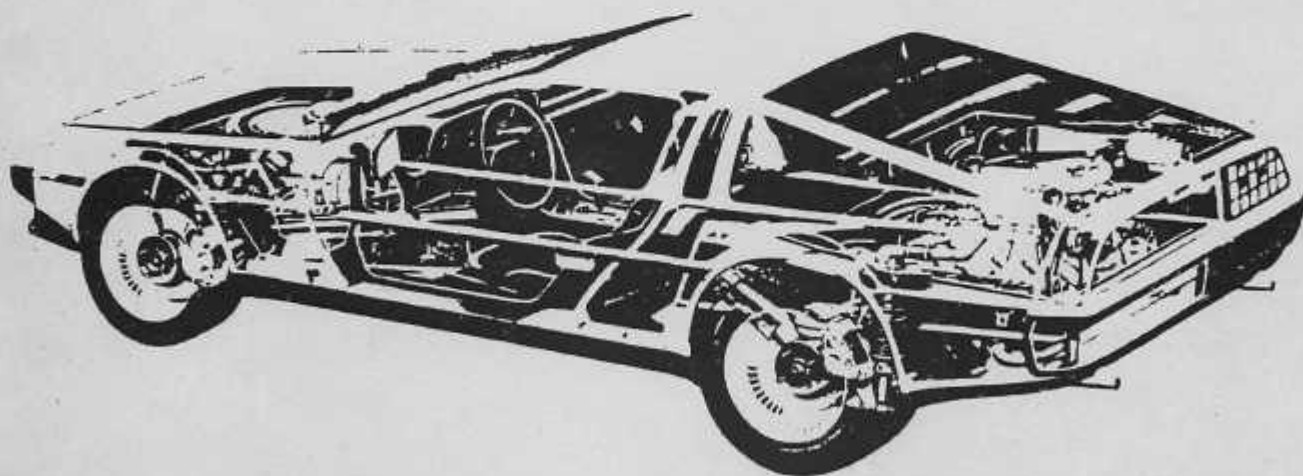




BULLETINS: SERVICE AND TECHNICAL
PARTS, WARRANTY, ORGANIZATION.



P.J. GRADY INC. (631)589-6224 (800)350-7429 FAX (631)589-6241



P.J. GRADY INC. (631)589-6224 (800)350-7429 FAX (631)589-6241

**BULLETINS: SERVICE AND TECHNICAL
PARTS, WARRANTY, ORGANIZATION.**

TABLE OF CONTENTS

SERVICE BULLETINS - ORGANIZATION

<u>Number</u>	<u>Title</u>
SO-01-6/81	Service Information System
SO-02-6/81	Pre-Delivery Inspection
SO-03-6/81	Service Materials
SO-04-6/81	DMC Labor Reimbursement Rate
SO-05-7/81	Consumer Information
SO-06-8/81	Showroom Information
SO-07-8/81	Missing New Vehicle Materials
SO-08-8/81	DMC Service/Vehicle Literature and Forms
SO-09-10/81	De Lorean Special Tools
SO-10-10/81	Service Materials
SO-11-10/81	Service Assistance
SO-12-11/81	Technical Report Form
SO-13-12/81	Customer Emergency Assistance Cards
SO-08-1/82 Re-issue	DMC Sales, Service, and Parts Publications

DMC SERVICE PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
BINDER, SERVICE PROCEDURES	P2108201	1
TECHNICAL SERVICE MANUAL	P2201300	1
BINDER, TECHNICAL SERVICE MANUAL	P2201301	1

DMC SERVICE PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
LABOR RATE APPLICATION - OPTION A	P2104001	1
LABOR RATE APPLICATION - OPTION B	P2104002	1
SERVICE TRANSACTION (GENERAL)	P2104003	25
WARRANTY PARTS TAG	P2104006	50
WARRANTY SHIPPING LABELS	P2104007	50
PRE-DELIVERY CERTIFICATE	P2104008	1*
VALET, OWNER'S MANUAL	P2105010	1*
OWNER'S MANUAL '81	P2105011	1*
CONSUMER INFORMATION	P2105012	1*
MAINTENANCE SCHEDULE RECORD	P2105013	1*
OWNER CHANGE OF ADDRESS CARD	P2105014	1*
WARRANTY STATEMENT VEHICLE '81	P2105015	1*
WARRANTY STATEMENT TIRES	P2105016	1*
NATIONAL DEALER LISTING	P2105017	1*
WARRANTY STATEMENT RADIO (CRAIG)	P2105018	1*
WARRANTY EXTENSION VOUCHER	P2105020	1
DEALER/DEMO TRADE CARD	P2105021	1
TECHNICAL INFORMATION MANUAL	P2106050	1
SUGGESTED REPAIR TIMES MANUAL	P2106100	1
BINDER, SUGGESTED WARRANTY REPAIR TIMES	P2106101	1
BINDER, SERVICE BULLETIN	P2106500	1
SERVICE PROCEDURES MANUAL	P2108200	1

*One copy included with each vehicle shipped to dealer.

DMC PARTS PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
PARTS ORDER FORM	P1104001	25
RETURN/CREDIT FORM	P1104002	25
PARTS ENVELOPE	P1104003	25
PARTS IDENTIFICATION MANUAL	P1105010	1
BINDER, PARTS IDENTIFICATION	P1105011	1
PARTS & ACCESSORIES PRICING GUIDE	P1105020	1
BINDER, PARTS & ACCESSORIES PRICING	P1105021	1
BINDER, PARTS BULLETIN	P1106030	1

DMC SALES PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
PROMOTIONAL MATERIAL ORDER FORM	P6106001	1
PHOTOGRAPH 16 X 20	P6106002	1
BLACK & WHITE PHOTOS 8 X 10	P6106003	1
BROCHURE (LARGE)	P6106004	100
MINIBROCHURE	P6106005	250
POSTER	P6106010	1
BANNER	P6106020	1
FACTS BOOK	P6106030	10
AD KIT	P6106100	1

TABLE OF CONTENTS

SERVICE BULLETINS - TECHNICAL

<u>Number</u>	<u>Title</u>
ST-01-6/81	Luggage Compartment Cover Finishing Moldings Service Action SA-0001
ST-02-6/81	Door Key Insertion
ST-03-7/81	Steering Rack and Pinion Assembly-Servicing
ST-04-7/81	Front License Plate Bracket Installation
ST-05-7/81	Radio Face Plate Distortion
ST-06-7/81	1981 De Lorean Wiring Diagram and Legend
ST-07-7/81	Fringe Area Radio Reception Service Action SA-0002
ST-08-7/81	DMC Forms and Vehicle Literature
ST-09-7/81	Torque Specifications
ST-10-8/81	Door Latch and Lock Setting Procedures
ST-11-8/81	Brake Disc - Front/Rear
ST-12-9/81	Update Service Bulletin ST-07-7/81
ST-13-9/81	Facia Front/Rear Repairs and Refinishing
ST-14-9/81	Service Actions SA-0004, SA-0005, SA-0006, SA-0007
ST-15-10/81	Wiring Harness Clips Part No. 106731
ST-16-10/81	Automatic Transmission Adjustment and Check Procedures
ST-17-10/81	High Coolant Temperature
ST-18-10/81	Vent Hose - Control Pressure Regulator
ST-19-10/81	Gearshift Action
ST-20-10/81	Obstruction of Footwell Vents
ST-21-10/81	Hood Release
ST-22-10/81	Wiring Harness Routing on Right (Rear) Bulkhead Panel
ST-23-10/81	Rear Parcel Shelf Boards RH and LH
ST-24-10/81	Revised Torque Setting

Page 1
(1)

TABLE OF CONTENTS

SERVICE BULLETINS - TECHNICAL

<u>Number</u>	<u>Title</u>
ST-25-10/81	Heater/Air Conditioning Mode Switch Operation
ST-26-11/81	Alternator
ST-27-11/81	Retaining Clip - Temperature Switch
ST-28-11/81	Sender Unit - Fuel Gauge
ST-29-11/81	Freon Charge Air Conditioning
ST-30-12/81	Baffle Fuel Tank
ST-31-12/81	Locks/Keys - Door, Ignition, Storage Compartment
ST-32-12/81	Engine Performance
ST-33-12/81	Water Leaks - Body
ST-34-12/81	Suspension Alignment - Front and Rear
ST-35-	(Void)
ST-36-12/81	Technical Service Manual
ST-C1-1/82	Frame Dimensions and Reference Points
ST-02-2/82	Painting Stainless Steel Body Panels
ST-03-2/82	Repair Front Frame Extension
ST-04-2/82	Ditzler Paint Formula Front/Rear Facia Refinishing
ST-05-2/82	Starter Solenoid Circuit Modification Prior to V.I.N. 2547
ST-06-9/82	Temporary Wiring Modification-Fan Fail Module
ST-07-9/82	Adjustable Clutch Link-Manual Transmission
ST-08-10/82	Brake Disc Resurfacing Bulletin Renumbering
ST-09-10/82	Engine Cooling System Bleeding
ST-10-10/82	Additional Lubrication Point-Speedo Adapter

TABLE OF CONTENTS

SERVICE BULLETINS - SAFETY CAMPAIGN

<u>Number</u>	<u>Title</u>
SC-01-11/81	Safety Campaign no. RA-0001 (Recall) Ball Joints - Stabilizer Bar Mountings V.I.N. 560 - 6650*
SC-02-11/81	Safety Campaign No. RA-0001 (Recall) Ball Joints - Stabilizer Bar Mountings
SC-03-11/81	Safety Campaign RA-0001 (Service Bulletin SC-01-11/81) Red paint markings - V.I.N. 2333 to 5600
SC-04-11/81	Recall Action RA-0001 Nuts for Ball Joints/Ball joints Alternate Repair procedures
SC-04-11/81 Re-issue	Recall Action RA-0001 Nuts for Ball Joints/Ball Joints Alternate Repair procedures

TABLE OF CONTENTS

SERVICE BULLETINS - WARRANTY

<u>Number</u>	<u>Title</u>
SW-01-6/81	Procedures
SW-02-6/81	Service Transaction Codes
SW-03-8/81	Status Report - Service Transactions
SW-04-8/81	Warranty Parts Submission
SW-05-9/81	Warranty Service Tires, Batteries, Radios
SW-06-10/81	Completion of DMC Service Transaction Form
SW-07-10/81	Procedures for Service Transactions

SERVICE
FORMS/LITERATURE/MANUALS

<u>F O R M S</u>		<u>PACK QTY</u>
LABOR RATE APPLICATIONS - OPTION A	F-200001	1
LABOR RATE APPLICATIONS - OPTION B	F-200002	1
SERVICE TRANSACTION (GENERAL)	F-200003	1
SERVICE TRANSACTION (TECHNICAL REPORT)	F-200005	1
WARRANTY PARTS TAG	F-200006	50
WARRANTY SHIPPING LABELS	F-200007	50
PDI/DEALER CERTIFICATE FORM	F-200008	1
 <u>V E H I C L E L I T E R A T U R E</u>		
MAINTENANCE SCHEDULE/RECORD	F-200009	1
WARRANTY STATEMENT VEHICLE	P-200001	1
WARRANTY STATEMENT TIRES	P-200009	1
WARRANTY STATEMENT RADIO	P-200010	1
OWNER'S MANUAL	P-200011	1
CONSUMER INFORMATION	P-200012	1
OWNER'S MANUAL VALET	P-200013	1
OWNER CHANGE OF ADDRESS CARD	F-200010	1
NATIONAL DMC DEALER LIST	P-200017	1
 <u>M A N U A L S</u>		
SUGGESTED WARRANTY REPAIR TIMES MANUAL	*P-200007	1
SERVICE PROCEDURE MANUAL	*P-200008	1
BINDER - SERVICE BULLETINS	*P-200014	1
BINDER - SUGGESTED WARRANTY REPAIR TIMES MANUAL	*P-200015	1
BINDER - SERVICE PROCEDURES MANUAL	*P-200016	1

ORDER THE ABOVE THROUGH PARTS DEPARTMENT

*PLEASE DO NOT ORDER ADDITIONAL LITERATURE UNTIL INITIAL SHIPMENT IS RECEIVED.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-01-1/82

CATEGORY: ORGANIZATIONAL
ATTENTION: ALL DEALERS/SERVICE MANAGERS
SUBJECT: SERVICE BULLETINS

Attached please find four Table of Contents for the four Service Bulletin categories: Organization, Technical, Warranty, and Safety Campaign.

Please refer to your Service Bulletin binder and check to ensure that you have received all of the bulletins listed on the respective Table of Contents. If you do not have a complete package, please contact Judy Haines in the National Training Office to order the bulletins that you are missing.

You may then place each Table of Contents at the beginning of each category for your easy reference. They will be updated periodically for your convenience.

A handwritten signature in cursive script, reading "Doyle J. Potter".

Doyle J. Potter
National Service/Training
Parts Manager

DJP:mtc

Attachments

Issued 1/14/82



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-01-6/81

CATEGORY: ORGANIZATION

ATTENTION: DEALER/SERVICE MANAGER

SUBJECT: - SERVICE INFORMATION SYSTEM

In order to fill the information needs of DMC dealers, De Lorean Motor Company will employ the following system for dissemination of service information that equally applies to all dealers.

<u>BULLETIN CATEGORIES</u>	<u>IDENTIFICATION</u>	<u>COLOR</u>
Service Organization	SO - No. - Mo./Year	Tan
Service Technical	ST - No. - Mo./Year	Yellow
Service Warranty	SW - No. - Mo./Year	Blue

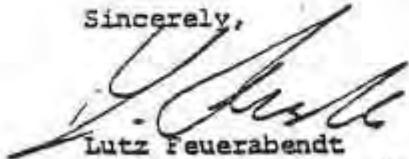
SO-ORGANIZATION: Contains general administrative items as they apply to service.

ST-TECHNICAL: Contains items of technical nature.

SW-WARRANTY: Contains warranty or service transaction matters.

FILING: Each category is filed in a standard three ring binder (3-4") with twelve dividers (one for each month).

Sincerely,


Lutz Feuerabendt
Technical Service Manager

ISSUED 6/18/81



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER SO-02-2/82

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: PRE-DELIVERY CERTIFICATES

Effective February 3, 1982, the Pre-Delivery Certificate, Part #P2104008, will be included in the Owner's Valet packet located in the glove compartment of each De Lorean shipped to the dealer.

Please inform all personnel concerned.

A handwritten signature in dark ink, appearing to read "Doyle J. Potter". The signature is written in a cursive, flowing style.

Doyle J. Potter
National Service/Parts
Training Manager

DJP:je

ISSUED 2/8/82



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-02-6/81

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
REFERENCE: PREDELIVERY INSPECTION
DEALER CERTIFICATE, OWNER'S ACCEPTANCE CERTIFICATE

Enclosed please find a DMC Predelivery Form. This form is a three part form consisting of:

Top Page -Work Shop Copy
Pink Copy -Dealer Copy
White Copy -Customer Copy

DMC Dealers must perform a predelivery inspection on all DMC vehicles prior to retail delivery or use.

The DMC predelivery inspection form outlines the required operations and also serves as the: "Dealer Certificate" and "Owner's Acceptance Certificate" (pink and white copy only).

DEALER CERTIFICATE

The delivering dealer's name and address must be entered in the space provided in the "Dealer Certificate" prior to delivery.

OWNER'S ACCEPTANCE CERTIFICATE

After the vehicle owner's inspection, the vehicle owner should sign in the space provided (pink and white copy).

Vehicle owners are to receive the white copy for their records.

For reimbursement, see Bulletin SW-01-6/81

Sincerely,



Lutz Feuerabendt
Technical Service Manager

ISSUED 6/18/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-03-6/81

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
REFERENCE: SERVICE MATERIALS

During the week of June 22nd under separate cover the following initial DMC Service Department materials will be mailed to DMC Dealers.

FORMS

#F-200003	30	Service Transaction Form - (General)
#F-200005	10	Service Transaction Form - (Technical Report)
#F-200008	10	Pre-Delivery Forms
#F-200007	50	Warranty Shipping Labels
#F-200006	50	Warranty Parts Tag

VEHICLE LITERATURE (Sample: For Information)

#P-200001	1	Warranty Statement Vehicles/Emission 1981 (includes battery warranty information)
#F-200009	1	Maintenance Schedule/Record
#P-200009	1	Tire Warranty Statement
#F-200010	2	Change of Owner/Address Card
#P-200011	1	Owner's Manual (will be forwarded at a later date)

These items are for dealer service department use and should be maintained in the service department reference file.

Additional forms/literature may be ordered through the parts department.

(CONTINUED)



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-03-6/81

MANUALS

Service Procedures Manual: (Contains procedures and policies for transportation damage, warranty, claims, etc.). This manual is currently in the printing process and will be available in approximately four weeks.

Suggested Warranty Repair Times Manual: (Contains labor operations and time allowances and coding for components and failures). This manual is still in process with a final print version expected to be available in September/October of 1981. An interim version of this manual will precede the final version and will be available in approximately four weeks.

Technical Service Manual: (Contains repair procedures). This manual is still in process with an anticipated issuance in sections, starting August 1981.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Technical Service Manager



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-04-6/81

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: DMC LABOR REIMBURSEMENT RATE

Enclosed please find the return copy of your dealership's "Application for Labor Reimbursement Rate" with the approved rate and it's effective date shown in the lower part of the form.

Please update your records and inform all personnel concerned accordingly.

Sincerely,

A handwritten signature in dark ink, appearing to read "Lutz Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

ISSUED 6/18/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SO-05-7/81

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS
SUBJECT: CONSUMER INFORMATION

Enclosed with this bulletin is a supply of 1981 De Lorean Consumer Information folders. These folders must be placed on display along with De Lorean vehicles and also be made available, upon request, to prospective De Lorean owners.

New owners should be given this folder upon delivery, and existing owners should be given the folder at the earliest opportunity.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in dark ink, appearing to read 'L. Feuerabendt', is written over a horizontal line.

Lutz Feuerabendt
Technical Service Manager

Enclosures

ISSUED 7/01/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-07-8/81

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: MISSING NEW VEHICLE MATERIALS

De Lorean vehicles are shipped to DMC dealers with the following materials.

<u>QUANTITY</u>	<u>MATERIAL</u>
1	OWNER'S MANUAL VALET
1	OWNER'S MANUAL
1	WARRANTY FOLDER - VEHICLE/EMISSION/BATTERY
1	WARRANTY FOLDER - TIRES
1	WARRANTY FOLDER - SOUND SYSTEM
1	OWNER CHANGE OF ADDRESS CARD
1	CONSUMER INFORMATION FOLDER
1	MAINTENANCE SCHEDULE/RECORD FOLDER
1	JACK, HANDLE, & BAG
1	LICENSE PLATE BRACKET FRONT
1	SPARE TIRE
1	SPARE KEYS
1	NATIONAL DMC DEALER LIST AS OF 9/1/81
	VEHICLE SHIPMENTS.

Missing items must be recorded and signed for by the delivery truck driver during vehicle receiving inspections.

To obtain replacement for the missing items DMC dealers must order such items through the regular parts ordering procedures. For ordering numbers of literature items, please refer to Service Bulletin SO-08-8/81.

Reimbursement for missing items signed for by the delivery truck driver may be claimed via the DMC service transaction under Transportation Damage.

Effective with this bulletin, DMC can no longer accept any requests for missing items via phone or letter.

Please inform all personnel concerned.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:dq

ISSUED: 8/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-08-1/82

Revised to replace 8/22/81 release.

CATEGORY: ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS/PARTS MANAGERS
SUBJECT: DMC SALES, SERVICE, AND PARTS PUBLICATIONS

Attached please find an updated list of the current sales, service, and parts literature.

Effective immediately, orders for sales, service, and parts literature are to be placed separately from regular parts orders.

Orders may be phoned or mailed to the attention of the National Service/Parts Training Office. When mailing your order, please use Parts Order forms and mark "Publication" in order type (other) column. When ordering by phone, use the number (714) 549-4772.

A handwritten signature in cursive script, reading "Doyle J. Potter".

Doyle J. Potter
National Service/Parts
Training Manager
DE LOREAN MOTOR COMPANY

DJP:psg

Attachment(s)

REISSUED 1/11/82



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER SPECIAL-8/81

CATEGORY: SPECIAL BULLETIN
ATTENTION: PARTS MANAGER
SUBJECT: INITIAL DEALER PARTS KIT

Certain items in the Initial Dealer Parts Kit "A" require corrective action as detailed below:

1. Part number 102462 is incorrectly labeled as the "Oil Pressure Sensor". Part in kit with above number is the "Oil Pressure Sender" and should be renumbered to 102763.
2. Part number 103245 "Throwout Bearing" should be renumbered to 109615 and returned to DMC, Irvine for credit. Correct "Throwout Bearing" 103245 is in stock and can be ordered as a replacement.
3. Part number 100407 "Balljoint Lower" should be returned to DMC, Irvine for credit and part number 105707 should be ordered as a replacement.
4. Part number 103000 "Gasket, End Cover" was represented as a quantity of one (1), but was skin packed in a quantity of ten (10). Part 103000 is now repriced at a unit price of \$0.58 each Dealer Net and \$0.96 each Suggested List and sold in multiples of ten (10) to a skin pack.
5. Part number 103001 "Gasket, Clutch Case" was delivered as one (1) gasket in dealer kit. Part 103001 is now repriced at \$0.93 each Dealer Net and \$1.55 each Suggested List and sold in multiples of ten (10) to a skin pack.
6. Part number 103500 "Gasket Kit A/t" was skin packed two (2) gasket kits in one skin pack. We apologize for this error. This is now corrected and a skin pack will include one (1) gasket kit.

(over)

Issued 8/10/81

7. Part numbers 102249 and 102256 "Rocker Cover Gaskets LH and RH" are priced \$3.09 each and \$3.28 each respectively but sold in multiples of five (5) to a skin pack.
8. Part number 100545 "Windshield Washer Pump/Reservoir Assembly" was delivered with part number 106087 "Tray, Windshield Washer Reservoir" by mistake. Mark the "Tray" 106087 and keep with our compliments.

Please use a Request for Return and Credit Form and send together with above parts 103245 and 100407 when being returned for credit. Prior authorization in this case is not necessary.

Sincerely,



Leif R. Montin
National Parts Manager

LRM:cc

Issued 8/10/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-08-8/81

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: DMC SERVICE/VEHICLE LITERATURE AND FORMS

Attached please find an updated list of the current service and vehicle literature.

Please mark Service Bulletin ST-08-7/81 and its attachment "Superseded by SO-08-8/81."

During the next few weeks all DMC dealers will receive automatically and free of charge the following:

- 1 P-200007 SUGGESTED WARRANTY REPAIR TIMES MANUAL
- 1 P-200008 SERVICE PROCEDURE MANUAL
- 1 P-200014 BINDER - SERVICE BULLETINS
- 1 P-200015 BINDER - SUGGESTED WARRANTY REPAIR TIMES MANUAL
- 1 P-200016 BINDER - SERVICE PROCEDURES MANUAL

Please do not order any of the aforementioned items at this time.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:dg

attachment(s)

ISSUED: 8/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-09-10/81

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS & SERVICE/PARTS MANAGERS

SUBJECT: DE LOREAN SPECIAL TOOLS

De Lorean Motor Company has contracted the exclusive services of Kent-Moore Tool Division to market and distribute all special tools and consumable items pertaining to tool use.

Should you have any questions regarding tool purchases or delivery, please direct them to:

Kent-Moore Tool Division
29784 Little Mack
Roseville, MI 48066

Phone: 313/774-9500

Sincerely,

A handwritten signature in cursive script, appearing to read "Lutz Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

LF:jh

ISSUED 10/1/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-10-10/81

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS SERVICE MANAGERS

REFERENCE: SERVICE MATERIALS

Enclosed with this bulletin is a copy of the following:

<u>Description</u>	<u>Part No.</u>
Service Bulletin Binder	P-200014
Suggested Warranty Repair Times Binder	P-200015
Suggested Warranty Repair Times Manual w/Index Dividers (Preliminary)	P-200007
Service Procedures Binder	P-200016
Service Procedures Manual w/Index Dividers	P-200008

These items are for dealer Service Department use and should be maintained in the Service Department reference file.

Additional forms/literature may be ordered using the appropriate part numbers through the Parts Department.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

DJP:jh

Enclosures

ISSUED 10/1/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-11-10/81

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

REFERENCE: SERVICE ASSISTANCE

IN THOSE INSTANCES WHERE DE LOREAN DEALERS REQUIRE TECHNICAL ASSISTANCE, warranty information, requests for training or other service related matters, THE APPROPRIATE DMC AREA OFFICE SHOULD BE CONTACTED.

The DMC Area staff in addition to the District Managers assigned to dealer contacts in the Areas, includes TECHNICAL SPECIALISTS who are assigned to receive service related calls from dealers. Your inquiries are to be directed to the Technical Specialist in your Area Office.

With this arrangement, it will NO LONGER BE NECESSARY FOR DEALERSHIP SERVICE PERSONNEL TO CONTACT THE NATIONAL SERVICE DEPARTMENT IN IRVINE, CALIFORNIA.

The address and phone number of the respective Area Offices are shown on the reverse side. Please inform all personnel accordingly.

Sincerely,


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/16/81

(When Calling Ask for the Area Technical Specialist)

Eastern Area

De Lorean Motor Company
685 Highway 202-206 N
Bridgewater, NJ 08807
(201) 231-0770

Connecticut
Delaware
Maine
Maryland
Massachusetts

New Hampshire
New Jersey
New York
Pennsylvania

Rhode Island
Vermont
Virginia
West Virginia

(When Calling Ask for the Area Technical Specialist)

Southern Area

De Lorean Motor Company
8601 Dunwoody Place
Suite 330
Atlanta, GA 30338
(404) 992-7758 (Temporary)

Alabama
Arkansas
Florida
Georgia

Louisiana
Mississippi
North Carolina
Oklahoma

South Carolina
Tennessee
Texas (Except El Paso)

(When Calling Ask for the Area Technical Specialist)

Central Area

De Lorean Motor Company
2237 Elliott Avenue
Troy, Michigan 48064
(313) 585-6396

Illinois
Indiana
Iowa
Kansas
Kentucky

Michigan
Minnesota
Missouri
Nebraska

North Dakota
Ohio
South Dakota
Wisconsin

(When Calling Ask for the Area Technical Specialist)

Western Area

De Lorean Motor Company
2055 S. E. Main Street
Irvine, CA 92714
(714) 549-4772

Alaska
Arizona
California
Colorado
Hawaii

Idaho
Montana
Nevada
New Mexico
Oregon

Utah
Washington
Wyoming
Texas (El Paso Only)



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-11-10/81

Revised 11/9/81*

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

REFERENCE: SERVICE ASSISTANCE

IN THOSE INSTANCES WHERE DE LOREAN DEALERS REQUIRE TECHNICAL ASSISTANCE, warranty information, requests for training or other service related matters, THE APPROPRIATE DMC AREA OFFICE SHOULD BE CONTACTED.

The DMC Area staff, in addition to the District Managers assigned to dealer contacts in the Areas, includes TECHNICAL SPECIALISTS who are assigned to receive service related calls from dealers. Your inquiries are to be directed to the Technical Specialist in your Area Office. (See directory on reverse side of this bulletin.)

With this arrangement, it will NO LONGER BE NECESSARY FOR DEALERSHIP SERVICE PERSONNEL TO CONTACT THE NATIONAL SERVICE DEPARTMENT IN IRVINE, CALIFORNIA.

The address and phone number of the respective Area Offices are shown on the reverse side. Please inform all personnel accordingly.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:mc

*Revised: The phone number of the Southern Area Office has been changed.

Re-Issued 11/9/81

APPLICABLE AREA OFFICES

(When Calling Ask for the Area Technical Specialist)

Eastern Area

De Lorean Motor Company
685 Highway 202-206 N
Bridgewater, NJ 08807
(201) 231-0770

Connecticut
Delaware
Maine
Maryland
Massachusetts

New Hampshire
New Jersey
New York
Pennsylvania

Rhode Island
Vermont
Virginia
West Virginia

(When Calling Ask for the Area Technical Specialist)

Southern Area

De Lorean Motor Company
8601 Dunwoody Place
Suite 330
Atlanta, GA 30338
(404) 993-7942 (as of November 2)
1-800-241-3154

Alabama
Arkansas
Florida
Georgia

Louisiana
Mississippi
North Carolina
Oklahoma

South Carolina
Tennessee
Texas (Except El Paso)

(When Calling Ask for the Area Technical Specialist)

Central Area

De Lorean Motor Company
2237 Elliott Avenue
Troy, Michigan 48084
(313) 585-6396

Illinois
Indiana
Iowa
Kansas
Kentucky

Michigan
Minnesota
Missouri
Nebraska

North Dakota
Ohio
South Dakota
Wisconsin

(When Calling Ask for the Area Technical Specialist)

Western Area

De Lorean Motor Company
2055 S. E. Main Street
Irvine, CA 92714
(714) 549-4772

Alaska
Arizona
California
Colorado
Hawaii

Idaho
Montana
Nevada
New Mexico
Oregon

Utah
Washington
Wyoming
Texas (El Paso Only)



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-12-11/81

CATEGORY: ORGANIZATION

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: TECHNICAL REPORT FORM

The format for Technical Reporting as shown in the Service Procedures Manual, Section 4, Subsection 02, has been changed to a new form (see attached).

Only the new form should be used for Technical Reporting, and the old form should be destroyed. The Order No. F-200005 remains the same.

The Technical Report Form may not be used to transmit warranty claims or other types of service transactions.

Please inform all personnel concerned.

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Warranty Manager

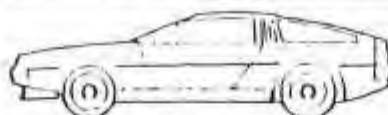
LF:mc
Attachment

Issued 11/24/81



TECHNICAL REPORT

DOCUMENT MAIN DATA	
REFERENCE #	AB 0052
DMC DEALER NO.	
VIN NO.	
DELIVERY DATE	
ODOMETER READING	
Owner Name	
Street Address	
City	
State	
Zip Code	



NATURE OF COMPLAINTS/OBSERVATION:

TRANSACTION DATA	
Transaction Code	02
Transaction No.	1
COMPONENT CODE	
LOCATION CODE	
MALFUNCTION CODE	
SUPPLIER CODE	
Installed Date	
Installed Miles	
Unit No.	
Campaign Code	

CAUSE: (CHECK ONE) PROBABLE () EXACT ()

Explain in detail if necessary with sketch/photos or submit parts.

COMMENTS/RECOMMENDATION/REQUESTS:

SIGNATURE & DATE	
---------------------	--

FOR DMCA USE ONLY

FOR DMCI USE ONLY



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SO-13-12/81

CATEGORY: ORGANIZATIONAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: CUSTOMER EMERGENCY ASSISTANCE CARDS

Enclosed with this bulletin is a supply of De Lorean Customer Emergency Assistance Cards (see Figure 1).



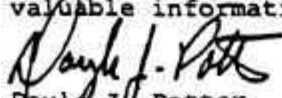
Dear De Lorean Owner:

Effective immediately, De Lorean Motor Cars of America will offer a new customer service - toll free 800 numbers that will provide direct contact with a technically qualified service person 24 hours a day, seven days a week. The numbers are 800-854-3088 except California (California residents call 800-432-2282) and they are intended to help you in an emergency. Please direct your routine information inquiries and normal requests for service and repairs to your local De Lorean dealer. If you are caught in an emergency situation, however, just dial the toll free number.

The toll free numbers indicated on these cards are intended only for customer use and when a customer is encountering an emergency situation. Dealership personnel should continue to communicate with their respective Dmc Area Offices for assistance.

The enclosed cards are being supplied to you for distribution to customers who have already taken delivery of their cars. In addition, we request a card be given to the customer or placed in the glove compartment upon delivery of every De Lorean vehicle.

It is important to note that, effective immediately, a customer card will be included with the glove compartment information prior to shipment of vehicles from our Quality Assurance Centers to you. Therefore, checking the vehicle for this card during pre-delivery inspection will avoid duplication and provide our customer with valuable information in the event of an emergency situation.


Doyle J. Potter

National Training Manager

DJP:ak

Enclosure

ISSUED 12/23/81

DE LOREAN MOTOR COMPANY

DMC PARTS BULLETIN

June 19, 1981

PARTS ORDERING PROCEDURES

65162

Parts Order Office hours are:

7:30 AM to 4:30 PM PST

Telephone Numbers:

(714) 966-1831

Continental U.S. Wats Line:

(800) 854-6087

California Wats Line:

(800) 432-3545

Teleprinter TWX:

910-595-2487

Direct Mail - 714 966-1831

ORDER TYPES

1-800-432-3545

Stock Order:

Frequency: Bimonthly

Submit Via: Mail, TWX

Shipping Time: Within 5 working days after receipt of order

Emergency Order:

Frequency: Daily

Submit Via: Telephone, TWX

Shipping Time: If received prior to 12:00 noon PST, shipped same day
If received after 12:00 noon PST, shipped following day

Backorders:

Emergency backorders will be shipped immediately upon receipt.

Non-emergency backorders will be shipped once per week or combined with next dealer order if available.

If dealer wants backorders cancelled, a written request to that effect should be sent to DMC Parts Order Office.

FREIGHT

All orders are shipped FOB destination freight prepaid by DMC and charged back on invoice.

Method of Shipment: Best possible, least expensive means of DMC choice unless specified by dealer.

Payment Terms: Net 10th following month of invoice.

DE LOREAN MOTOR COMPANY

June 29, 1981

TO: ALL DE LOREAN DEALERS
SUBJECT: DEALER COLLATERAL MATERIAL

We have now received all the collateral pieces to complete the dealers initial inventory for our De Lorean Promotional Package. Every De Lorean dealer will be receiving the following items:


<u>ITEM</u>	<u>QUANTITY</u>	<u>ESTIMATED SHIPPING DATE</u>
1) 24 Page Catalogue	100	July 2nd
2) Catalogue Saver	250	Shipped
3) Showroom Poster	1	Shipped
4) Window Banner	1	July 5th
5) Salesman's Information Guide	10	July 10th
6) Dealer Ad Kit	1	July 15th

Some of you have already received part of your collateral package and we know from your comments that you are pleased. As a matter of information, our 24 Page Catalogue has been nominated for an award by the PRINTERS INSTITUTE OF AMERICA (PIA).

For your added convenience this Promotional Package has been automatically billed to your parts account in the amount of \$400. Should you have any questions regarding your initial inventory of collateral material, please feel free to contact our office.

In the event you wish to increase your inventory of collateral materials, you may order same on our new order forms being sent to you next week. Please discard your present order forms.

Best regards,


C. R. Brown
Vice President
North American Operations

2055 S.E. Main Street, Irvine, California 92714 (714) 549-4772

DELOREAN MOTOR COMPANY

TO: DE LOREAN DEALERS

ATTN: Parts Managers

SUBJECT: Preliminary Service Parts Catalog Update

Please add the following part listings to your preliminary service parts catalog; Group No. 830.

<u>Part No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Remarks</u>
SP10107	Screw, M4	3	Not Ill.
SP10448	Screw, N8	2	Not Ill.
SP10694	Screw, N8	5	Not Ill.
100370	Louver, RR/Qtr RH	1	Not Ill.
100636	F/Rubstrip, F/Fdr RH	1	Not Ill.
100637	F/Rubstrip, F/Fdr LH	1	Not Ill.
100638	R/Rubstrip, F/Fdr RH	1	Not Ill.
100639	R/Rubstrip, F/Fdr LH	1	Not Ill.
100644	F/Rubstrip, R/Qtr RH	1	Not Ill.
100645	F/Rubstrip, R/Qtr LH	1	Not Ill.
100646	R/Rubstrip, R/Qtr RH	1	Not Ill.
100647	R/Rubstrip, R/Qtr LH	1	Not Ill.
101742	Rubstrip Segment	4	Not Ill.
105047	Leaf Screen, Cowl	1	Not Ill.
105721	Screen, Up'r Back Glass	1	Not Ill.
106115	Screw Cover, M4	3	Not Ill.
106717	Screen End, B/Glass LH	1	Not Ill.
106718	Screen End, B/Glass RH	1	Not Ill.
108322	Spacer	1	Not Ill.

Parts Division

DeLorean Motor Company

TABLE OF CONTENTS

SERVICE BULLETINS - TECHNICAL

<u>Number</u>	<u>Title</u>
ST-01-6/81	Luggage Compartment Cover Finishing Moldings Service Action SA-0001
ST-02-6/81	Door Key Insertion
ST-03-7/81	Steering Rack and Pinion Assembly-Servicing
ST-04-7/81	Front License Plate Bracket Installation
ST-05-7/81	Radio Face Plate Distortion
ST-06-7/81	1981 De Lorean Wiring Diagram and Legend
ST-07-7/81	Fringe Area Radio Reception Service Action SA-0002
ST-08-7/81	DMC Forms and Vehicle Literature
ST-09-7/81	Torque Specifications
ST-10-8/81	Door Latch and Lock Setting Procedures
ST-11-8/81	Brake Disc - Front/Rear
ST-12-9/81	Update Service Bulletin ST-07-7/81
ST-13-9/81	Facia Front/Rear Repairs and Refinishing
ST-14-9/81	Service Actions SA-0004, SA-0005, SA-0006, SA-0007
ST-15-10/81	Wiring Harness Clips Part No. 106731
ST-16-10/81	Automatic Transmission Adjustment and Check Procedures
ST-17-10/81	High Coolant Temperature
ST-18-10/81	Vent Hose - Control Pressure Regulator
ST-19-10/81	Gearshift Action
ST-20-10/81	Obstruction of Footwell Vents
ST-21-10/81	Hood Release
ST-22-10/81	Wiring Harness Routing on Right (Rear) Bulkhead Panel
ST-23-10/81	Rear Parcel Shelf Boards RH and LH
ST-24-10/81	Revised Torque Setting



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: ST-01-6/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: LUGGAGE COMPARTMENT COVER FINISHING MOLDINGS
SERVICE ACTION SA 0001

Under separate cover, DMC dealers will receive the above molding materials for certain De Lorean vehicles shipped to them.

These moldings must be installed on the luggage compartment cover of all De Lorean vehicles not so equipped according to the instructions on the reverse side.

Please inform all personnel accordingly.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

(Over)

ISSUED 6/24/81

LUGGAGE COMPARTMENT COVER FINISHING MOLDINGS

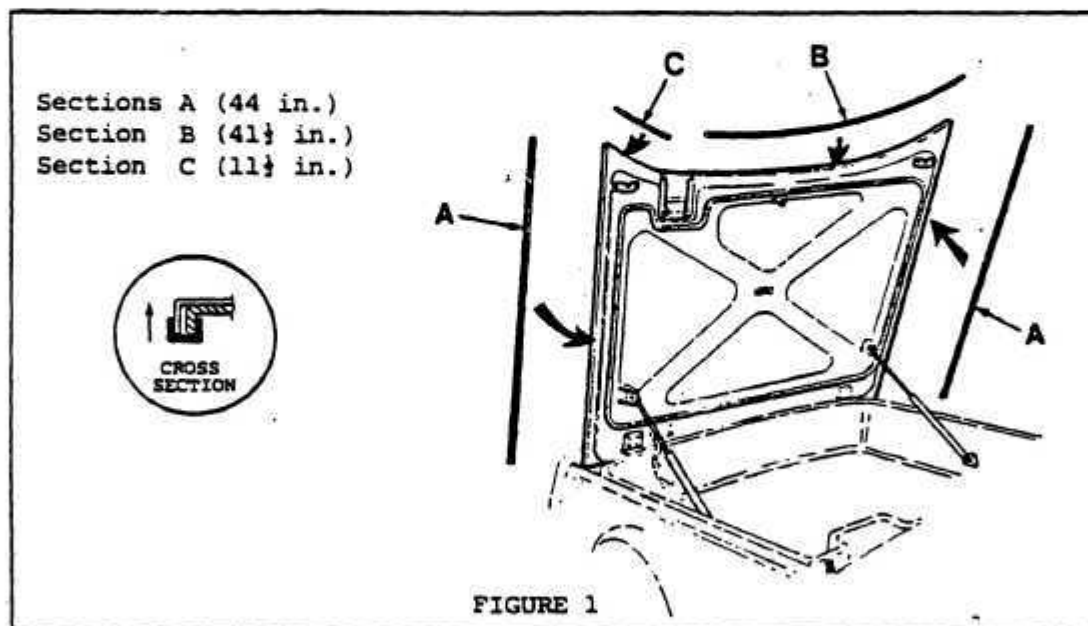
INSTALLATION

1. Raise luggage compartment cover and cover fenders.
2. Using a knife or other suitable tool, cut the supplied molding material as follows:

- A. Two (2) sections 44 inches long
- B. One (1) section 41½ inches long
- C. One (1) section 11½ inches long

NOTE: Cuts should be 90° square cut. Do not stretch material while measuring.

3. Apply a thin bead of 3M clear Emblem Adhesive (3M Part No. 08061) into the groove of the cut section of molding material prior to installation.
4. With adhesive applied, position the molding sections over the folded outer edge of the stainless steel panel and over the outer lip of the cover's plastic inner panel as indicated below in Figure 1.



5. Remove fender covers and close compartment cover.

CLAIM COMPLETION: Complete DMC Service Transaction form.

LABOR: Operation Number FL 000 - 25 units (15 minutes)

PARTS: Not applicable - supplied no charge

LINE B-1: Enter 30

LINE B-12: Enter SA 0001



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: ST-02-6/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: DOOR KEY INSERTION

In order to properly insert the door key into the door lock's key slot, the slide plate, covering the key slot, must first be pushed aside with the key. This is best done by placing the tip of the key at an angle into the "crescent-shaped" recess, sliding the cover plate aside with the tip of the key and then inserting the key (Figure 1).

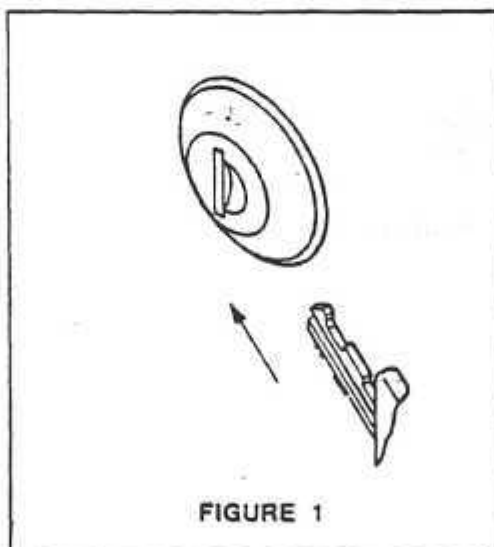


FIGURE 1

New vehicle owners should be informed of this technique when their vehicle is being delivered.

Sincerely,

A handwritten signature in cursive script, likely belonging to Lutz Feuerabendt.

Lutz Feuerabendt
Technical Service Manager

ISSUED 6/25/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: ST-03-7/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: STEERING RACK AND PINION ASSEMBLY-SERVICING

In the event the steering rack and pinion assembly requires unit repair, other than toe-in adjustment, the steering rack and pinion assembly must be replaced as a unit.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in cursive script, appearing to read 'L. Feuerabendt'.

Lutz Feuerabendt
Technical Service Manager

ISSUED 7/1/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: ST-04-7/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: FRONT LICENSE PLATE BRACKET INSTALLATION

A front license place bracket is supplied with each new De Lorean vehicle (DMC Part #108025) for front license plate mounting.

To install the bracket and mount the license plate proceed as follows:

- 1) Working on bench, drill "one 1" hole into the supplied bracket as indicated in figure 1. (see reverse side)
- 2) Align the middle of the supplied bracket with the center of the front fascia (DMC logo in front grille can be used as a centering aide) with the top edge of the supplied bracket level with the top of the black bumper stripe of the fascia.

Caution: The front license plate bracket is to be fastened to the front fascia with well-nuts, riv-nuts, moly-nuts or equivalent depending on local availability. Therefore, before drilling any holes into the fascia/bumper determine hole size by considering available fasteners.

3. Drill 3 holes of appropriate size into the front fascia (using the supplied bracket as a templet) as shown in figure 1. (see reverse side)
4. Insert nuts into fascia according to the suppliers instructions.
5. Position and secure the fastener for the lower center bracket mounting location.
6. Insert the license plate into the lower clip of the mounting bracket. Align the upper license plate mounting holes with upper mounting holes of the bracket and install upper fasteners.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

ISSUED 7/1/81

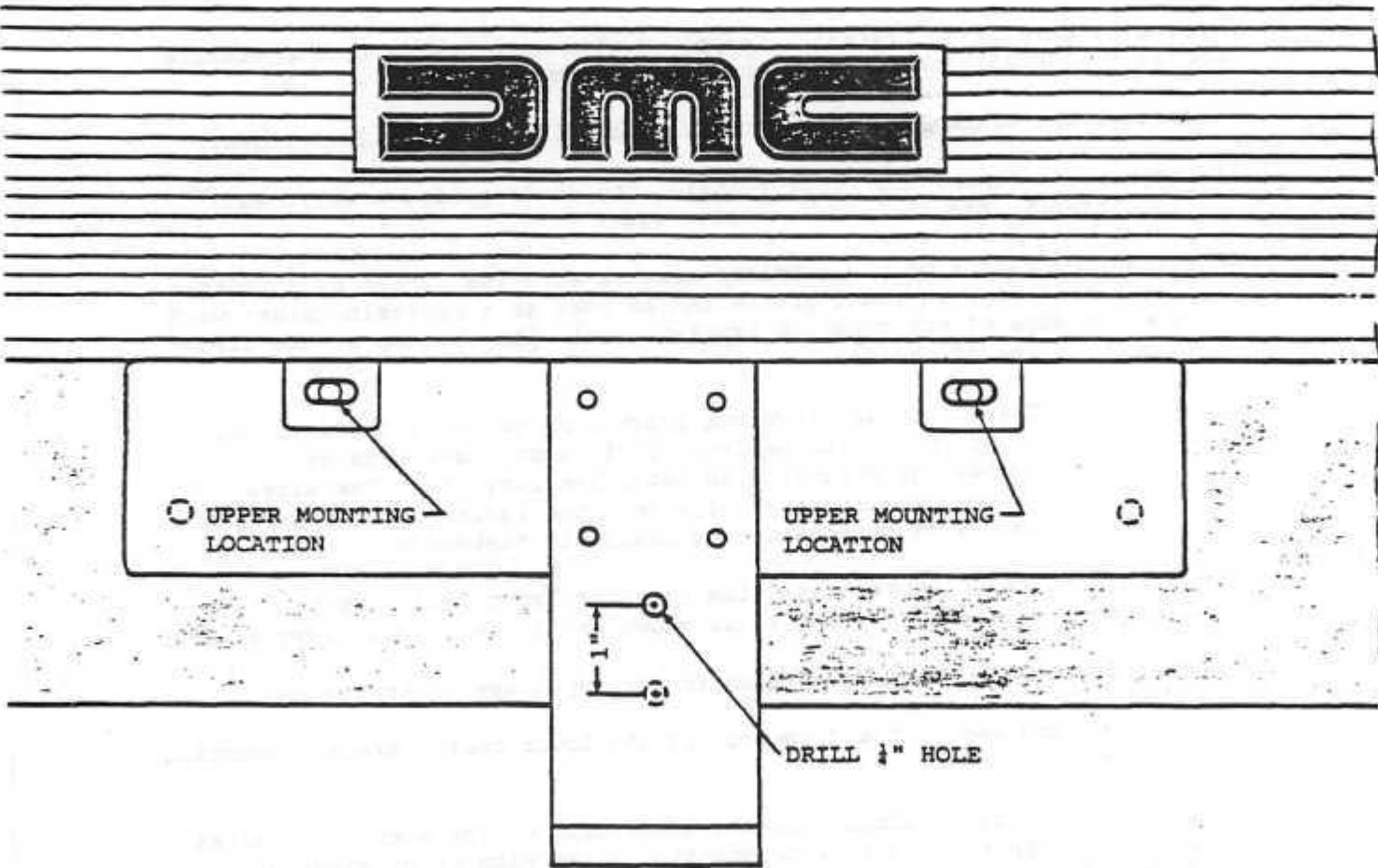


FIGURE 1



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: ST-05-7/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: RADIO FACE PLATE DISTORTION

Reports have been received that the center upper and lower edges of the radio face plate may distort. This distortion may occur in very hot climates.

A repair solution is currently under development. We will inform you of this repair as soon as it becomes available.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

ISSUED 7/9/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-06-7/81

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: 1981 DE LOREAN WIRING DIAGRAM AND LEGEND

Attached to this bulletin is a preliminary 1981 De Lorean Wiring Diagram along with it's symbol key and location legend.

A larger scale, revised wiring diagram is in process and will be distributed upon it's completion.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in dark ink, appearing to read 'L. Feuerabendt', is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

Attachments

ISSUED 7-16-81

KEY NO.	DESCRIPTION	LOCATION
1.	ALTERNATOR	5A
3.	BATTERY	6A
4.	IGNITION/START SWITCH	5.5C
5.	STARTER MOTOR	6B
8.	HEADLAMP	1E
11.	FRONT D.I./SIDE LAMP LH	1F
12.	FRONT D.I./SIDE LAMP RH	1F
14.	INSTRUMENT PANEL ILLUMINATION LAMPS	2.5D
15.	LICENSE PLATE ILLUMINATION LAMPS	1J
17.	REAR LAMP UNIT LH	1G
18.	REAR LAMP UNIT RH	1H
19.	FRONT SIDE MARKER LAMP LH	1.5F
20.	FRONT SIDE MARKER LAMP RH	1.5G
21.	REAR SIDE MARKER LAMP LH	1.5G
22.	REAR SIDE MARKER LAMP RH	1.5I
24.	RHEOSTAT	3E
25.	DIODE	3.5I
26.	ENGINE COMPARTMENT LAMP	2.5I
27.	ENGINE COMPARTMENT LAMP SWITCH	2I
28.	LUGGAGE COMPARTMENT LAMP	2.5I
29.	LUGGAGE COMPARTMENT LAMP SWITCH	2.5J
30.	FRONT INTERIOR LAMP	3I
31.	REAR INTERIOR LAMP	4J
32.	INTERIOR LAMP DELAY UNIT	4I
34.	GLOVE COMPARTMENT LAMP	3I
35.	GLOVE COMPARTMENT LAMP SWITCH	3I
38.	RH DOOR LAMPS	4.5I
39.	LH DOOR LAMPS	5.5I
40.	RH DOOR SWITCH	4.5I
41.	LH DOOR SWITCH	6.5I
42.		
43.		
46.	GEAR SELECTOR ILLUMINATION	6.5G
47.	CIGAR LIGHTER ILLUMINATION	6I
48.	AIR CONDITIONING PANEL ILLUMINATION	8.5G
49.	REAR DEFOGGER SWITCH ILLUMINATION	9E
53.	AIR CONDITIONING PANEL ILLUMINATION RELAY	8.5G
54.	RESISTOR	8G
55.	REAR DEFOGGER TIMER RELAY	8.5I
56.	IGNITION RESISTOR	10G
57.	IN-LINE FUSE	6.5I
60.	DI/HAZARD FLASHER UNIT	5H
62.	PARKBRAKE SWITCH	2E
63.	BRAKE FLUID LEVEL SWITCH	2E
64.	SEAT BELT SWITCH	6C
65.	INERTIA SWITCH	7.5D
70.	MAIN LIGHTING SWITCH	5G
71.	DI/DIP/HORN PUSH SWITCH	4.5H

KEY NO.	DESCRIPTION	LOCATION
74.	WASH/WIPE SWITCH	9G
75.	POWER MIRROR SWITCH	9.5F
77.	POWER WINDOW SWITCH LH	7.5E
78.	POWER WINDOW SWITCH RH	7.5F
81.	DOOR LOCK SWITCH LH	10H
82.	DOOR LOCK SWITCH RH	10.5H
90.	AIR CONDITIONING MODE SWITCH	8.5H
91.	LOW PRESSURE SWITCH	9.5H
92.	FAN SPEED SWITCH	8.5H
95.	STOP LAMP SWITCH	4.5H
100.	MAIN BEAM RELAY	4.5G
101.	DIP BEAM RELAY	4G
102.	AUXILIARY RELAY	5.5D
105.	START INHIBIT RELAY	9D
106.	MAIN FUEL RELAY	9.5D
107.	HOT START RELAY	10.5D
108.	IDLESPEED RELAY	8.5C
109.	R.P.M. RELAY	7.5D
112.	COOLING FAN RELAY	7.5F
115.	DOOR LOCK RELAY	9J
120.	AIR CONDITIONING FAN 3RD SPEED RELAY	8.5I
121.	AIR CONDITIONING FAN 4TH SPEED RELAY	8.5I
130.	LAMBDA ELECTRONIC CONTROL UNIT	
131.	LAMBDA PROBE	11A
132.	IGNITION CONTROL UNIT	11C
135.	DISTRIBUTOR	10C
136.	COIL	10C
138.	SCREENED CABLE	11A
142.	FREQUENCY VALVE	10.5B
143.	COLD START VALVE	8A
144.	WARM UP REGULATOR	7.5B
145.	DOOR LOCK THERMAL TRIP	8J
146.	VACUUM SOLENOID	7.5C
147.	THERMAL TIME CONTACT	6.5A
148.	IDLESPEED REGULATOR	8.5A
149.	THERMAL THROTTLE ENRICHMENT	10B
150.	THROTTLE ENRICHMENT MICRO SWITCH	9.5B
151.	IDLESPEED REGULATOR MICRO SWITCH	8B
152.	IDLESPEED REGULATOR MICRO SWITCH	8B
160.	ENGINE DIAGNOSTIC PLUG	10.5A
170.	AUTO TRANSMISSION UNIT	4.5A
171.	KICK DOWN MICRO SWITCH	6.5B
173.	MANUAL TRANSMISSION UNIT	4.5A
174.	REVERSE LIGHT SWITCH	4A
179.	FUEL PUMP	8.5E
180.	FUEL TANK SENDER UNIT	3.5E
181.	OIL WARNING LAMP SENDER	4E
182.	OIL PRESSURE GAUGE SENDER	3.5E

KEY NO.	DESCRIPTION	LOCATION
190.		
191.	FAN FAIL MODULE	9.5F
192.	FAN FAIL TELLTALE	10F
193.	COOLING FAN THERMAL TRIP	8.5F
194.	COOLING FAN MOTOR	11F
200.	AIR CONDITIONING COMPRESSOR	10H
201.	AIR CONDITIONING FAN MOTOR	9.5I
202.	FAN SPEED THERMAL TRIP	8I
205.	JUMP START POST	5.5A
215.	WIPER MOTOR	10.5G
216.	WINDSHIELD WASHER PUMP	10G
217.	INTERMITTENT WIPE CONTROL	9.5G
230.	HORNS	3F
231.	REAR DEFOGGER	9E
232.	MIRROR HEATER (IF FITTED)	10.5D
234.	WINDOW LIFT MOTOR	8.5E
236.	DIGITAL CLOCK	7I
239.	RADIO	7I
242.	DOOR LOCK SOLENOID	11I
243.	DOOR LOCK TELLTALE	8H
246.	BUZZER LOGIC BOX	7C
249.	MIRROR LH	11E
250.	MIRROR RH	11F
252.	CIGAR LIGHTER	6I
255.	FUSEBOX	5.5E
270.	TACHOMETER	3C
271.	SPEEDOMETER	2.5C
272.	VOLTMETER	2C
273.	OIL PRESSURE GAUGE	3.5C
275.	TEMPERATURE GAUGE	2C

COLOR CODE

B	BLACK	P	PURPLE
G	GREEN	R	RED
K	PINK	S	SLATE
LG	LIGHT GREEN	U	BLUE
N	BROWN	W	WHITE
O	ORANGE	Y	YELLOW

● P C B CONNECTOR - 16 WAY

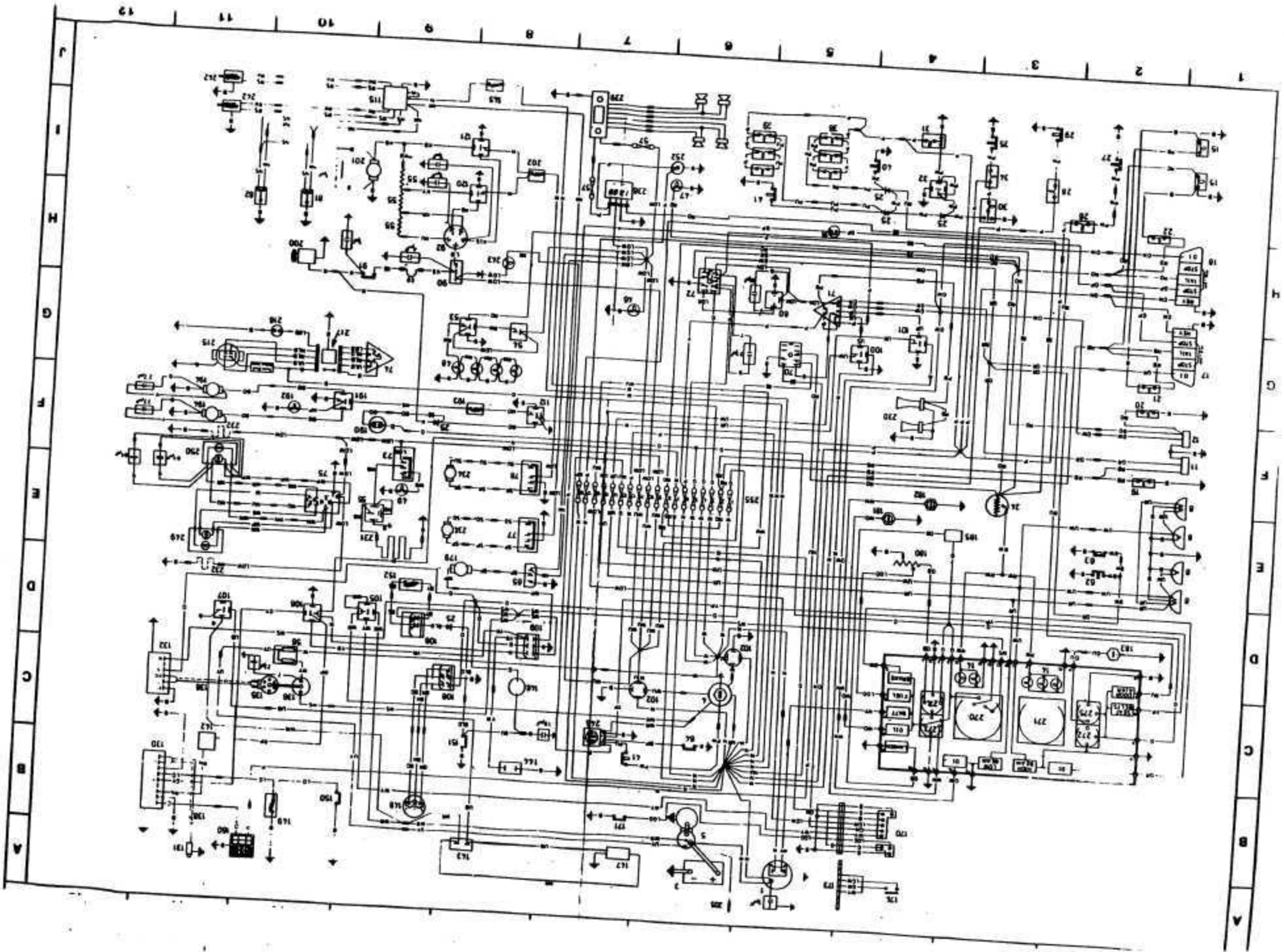
● P C B CONNECTOR - 12 WAY

+ SPLICE

— CONNECTOR

DME

SYMBOL KEY AND LOCATION LED





DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-07-7/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: FRINGE AREA RADIO RECEPTION
SERVICE ACTION SA 0002

In certain geographical areas such as valleys, high buildings, distances from stations, etc., radio reception of selected stations may be impeded. To improve radio reception in such areas, an outside, fender-mounted antenna (DMC Part #A5000001) may be installed by following the attached instructions.

To those De Lorean owners who live or travel in these areas, the above antenna and its installation may be offered free of charge.

For reimbursement instructions, refer to the attachments.

NOTE: The antenna installation should not be performed without the De Lorean owner's permission.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

Attachments

ISSUED 7/21/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-08-7/81

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: DMC FORMS AND VEHICLE LITERATURE

Attached to this bulletin is a list of the various Service Department forms and vehicle literature along with their order numbers and package quantities. This list also indicates their availability status.

These materials may be ordered via the DMC Parts Order Forms.

The Suggested Warranty Repair Time Manual (No. P-200007) and the Service Procedures Manual (No. P-200008) are not available at this time. However, these publications will automatically be shipped to all DMC dealerships as soon as they become available. Therefore, please do not order these publications at this time.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

Attachment

SERVICE FORMS AND VEHICLE LITERATURE

		<u>PACK QTY</u>
<u>LABOR RATE APPLICATIONS, OPTION A</u>	F-200001	1
<u>LABOR RATE APPLICATIONS, OPTION B</u>	F-200002	1
<u>SERVICE TRANSACTIONS (GENERAL)</u>	F-200003	
<u>SERVICE TRANSACTIONS (TECHNICAL REPORT)</u>	F-200005	1
<u>WARRANTY PARTS TAG</u>	F-200006	50
<u>WARRANTY SHIPPING LABELS</u>	F-200007	50
<u>MAINTENANCE SCHEDULE/RECORD</u>	F-200009	1
<u>OWNER CHANGE OF ADDRESS CARD</u>	F-200010	1
<u>WARRANTY STATEMENT VEHICLE 81</u>	P-200001	1
<u>WARRANTY STATEMENT VEHICLE 82</u>	P-200002	Avail. 8/
<u>WARRANTY STATEMENT VEHICLE 83</u>	P-200003	Avail. 8/
<u>WARRANTY STATEMENT VEHICLE 84</u>	P-200004	Avail. 8/
<u>WARRANTY STATEMENT VEHICLE 85</u>	P-200005	Avail. 8/
<u>WARRANTY STATEMENT VEHICLE 86</u>	P-200006	Avail. 8/
<u>SUGGESTED WARRANTY REPAIR TIMES MANUAL</u>	P-200007	Avail. 8/
<u>SERVICE PROCEDURE MANUAL</u>	P-200008	Avail. 8/
<u>WARRANTY STATEMENT TIRES</u>	P-200009	1
<u>WARRANTY STATEMENT RADIO</u>	P-200010	1
<u>OWNERS MANUAL</u>	P-200011	1
<u>CONSUMER INFORMATION</u>	P-200012	1
<u>OWNER'S MANUAL VALET</u>	P-200013	1
<u>BINDER - SERVICE BULLETINS</u>	P-200014	Avail. 8/
<u>BINDER - SUGGESTED WARRANTY REPAIR TIMES MANUAL</u>	P-200015	Avail. 8/
<u>BINDER - SERVICE PROCEDURES MANUAL</u>	P-200016	Avail. 8/

ORDER THE ABOVE THROUGH PARTS DEPARTMENT



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER

ST-09-7/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: TORQUE SPECIFICATIONS

Attached to this bulletin is the listing of torque specifications for the indicated fasteners along with the fasteners thread size. These torque specifications should not be exceeded.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

Attachment(s)

ISSUED 7-27-81

1981 De Lorean Torque Specifications

IMPORTANT NOTE: TORQUE SPECIFICATIONS SHOULD NOT BE EXCEEDED.

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>CHASSIS:</u>			
Fuel tank cover plate	M8 x 13	22	16
Fuel tank front	M6 x 10	11	8
Horn bracket attachment	M6 x 10	11	8
Radiator mounting bracket to frame	M8 x 13	22	16
Horn to bracket	M6 x 10	11	8
Radiator stay bracket to frame	M6 x 10	11	8
<u>REAR SUSPENSION:</u>			
Trailing arm bush attachment	M8 x 13	22	16
Lower link both ends	1/2" x 19	80	60
Upper link both ends	1/2" x 19	80	60
Trailing arm hub to carrier	M12 x 19	75	55
Outer drive shaft to hub	M22 x 32	370	270
Trailing arm to pivot bush	M12 x 19	75	55
Shaft to inner and outer drive shafts	M10 x 17	40	30
Parking brake cable bracket to hub carrier	M6 x 10	7	5.5
Caliper - hub carrier	7/16" x 16	55	40
Flex brake pipe attachment	3/8" x 15	16	12
Wheels	M12 x 19	80	60

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>TRANSMISSION AND FINAL DRIVE:</u>			
Drain and fill plugs	M10 x 17	20	15
Mounts	M8 x 13 M10 x 17	25 36	18 26
<u>TRANSMISSION SHIFT LINKAGE:</u>			
Auto and manual relay pivot bolts	M8 x 17	22	16
<u>FRONT SUSPENSION:</u>			
Caliper to mounting bracket	7/16" x 19	75	55
Dust shield	M8 x 13	28	20
Front disc to hub (w/Loctite 601)	M8 x 13	28	20
Stub axle to steering knuckle	M22 x 32	220	165
Hub bearing to stub shaft	M22 x 32	190	145
Upper control arm pivot bolt	1/2" x 19	80	60
Lower control arm pivot bolt	1/2" x 19	80	60
Shock absorber (upper)	3/8" x 14	28	20
Shock absorber (lower)	1/2" x 19	80	60
Stabilizer bar - lower control arm	M12 x 19	75	55
Stabilizer bar pivot (on chassis)	M10 x 17	36	26
Flex brake pipe attachment	M10 x 15	16	12
Upper ball joint to steering knuckle	7/16" x 16	60	45
Lower ball joint to steering knuckle	1/2" x 19	60	45

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>ENGINE:</u>			
Engine Mounts	M8 x 13	25	18
A/C compressor bracket to engine	M7 x 13	16	12
Heat shields to exhaust crossover	M6 x 10	11	8
Exhaust crossover pipe to manifold	M10 x 17	40	30
'U' Bolt Catalyst to muffler	M8 x 13	15	11
Muffler support bracket on engine	M8 x 13	22	16
	M10 x 17	30	22
Muffler rubber mounts	M6 x 10	11	8
<u>BRAKE LINES:</u>			
"T" connections to frame	M6 x 10	11	8
	M8 x 13	22	16
Flex pipe to frame	M10 x 15	16	12
Line union through frame	M10 x 15	16	12
<u>RADIATOR:</u>			
Fan cowl to radiator	M6 x 8	7	5
	M6 x 10		
<u>STEERING UNITS:</u>			
Lower column to universal joint to rack pinion and lower column	M8 x 13	22	16
Tie rod to steering knuckle	7/16" x 14	36	26
Tie rod lock nut	M12 x 19	65	48
Steering rack assembly to frame	M8 x 13	15	11



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER

ST-10-8/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: DOOR LATCH AND LOCK SETTING PROCEDURES.

Attached to this bulletin, are the door latch-lock setting procedures.

Please inform all personnel concerned.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Feuerabendt', is written over the word 'Sincerely,'.

Lutz Feuerabendt
Technical Service Manager

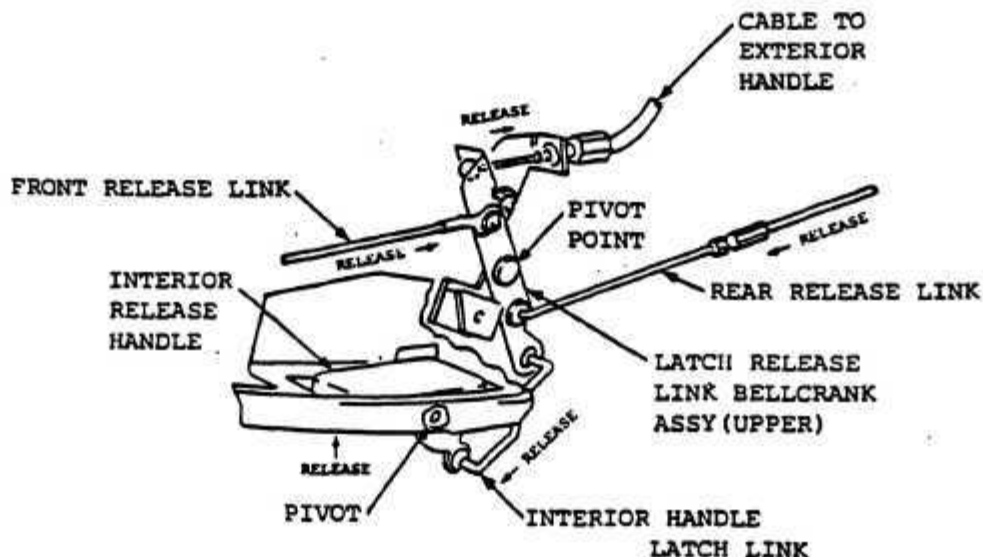
LF:dg

attachment(s)

DOOR LATCH CONTROLS SETTING PROCEDURE

1. Lower the power window.
2. Working through the window opening, pry loose the upper trim panel retaining clips.
3. Open door and remove upper trim panel.
4. Remove screws securing the lower trim panel mounting bracket (upper edge) to the door assembly.
5. Pry loose the retaining clips securing the lower edge of the trim panel.
6. Pull trim panel away from the door to gain access to the door pull handle mounting bracket. Using a long Phillips screwdriver, remove two (2) screws securing the door pull handle to its mounting bracket. Remove the lower trim panel.
7. When working on the left door, remove the power mirror switch. When working on the right door, remove the close-out plate.
8. Remove two screws securing the pull handle mounting bracket.
9. Loosen the lock nut on the exterior handle's latch control cable. Turn the cable adjuster to gain enough slack to remove the cable ball from the bellcrank assembly. Disconnect cable from bellcrank assembly.
10. Working in the lower door area (below armrest support), disconnect the interior handle latch control link from the interior handle connection.
11. Disconnect the rear latch release link from the latch release bellcrank assembly.
12. With the front release link connected, there should now be free play in the latch release bellcrank assembly.
13. Rotate the latch release bellcrank assembly (pulling the front latch release link rearward) to remove the free play in the front latch release link.
Note: Rotate the bellcrank only enough to remove the free play. DO NOT place any pre-load on the front latch assembly.
14. While holding the latch release bellcrank assembly in this position (Step 13), pull the rear latch release link forward to remove the free play and connect the link to the latch release bellcrank assembly. If the free play cannot be removed or a pre-load condition exists, adjust the rear latch release link only enough to remove the free play. DO NOT place any pre-load on the link connections.
15. Reconnect the interior handle's latch control link. This link is not adjustable; therefore, a slight degree of free play or pre-load is acceptable.

16. Reconnect the exterior handle's latch control cable to the bellcrank assembly. Turn the cable adjuster only enough to remove the slack in the cable.
Note: Adjust this cable only enough to remove the slack in the cable. DO NOT place any pre-load on the cable bellcrank connection.
17. Check both the interior and exterior handles for proper latch release operation. This can be with the door open by:
 - a. Manually close both door latches.
 - b. With pressure applied to one latch (with screwdriver or similar tool) slowly open the exterior release handle until the latch is released and while holding the exterior release handle in the exact position where latch was released, the other latch should release.
 - c. Repeat the above check starting with the opposite latch.
 - d. Repeat the above check, using the interior release handle.
 - e. Open both latches before closing door.
18. Position and secure pull handle mounting bracket to the pull handle assembly.
19. Position pull handle assembly into the lower trim panel.
20. Position lower trim panel on the door and secure with two (2) pull handle mounting screws.
21. Position and secure lower trim panel upper mounting bracket to door assembly.
22. Position and secure lower trim panel with retaining clips.
23. Position and secure upper trim panel.



DOOR LATCHING MECHANISM

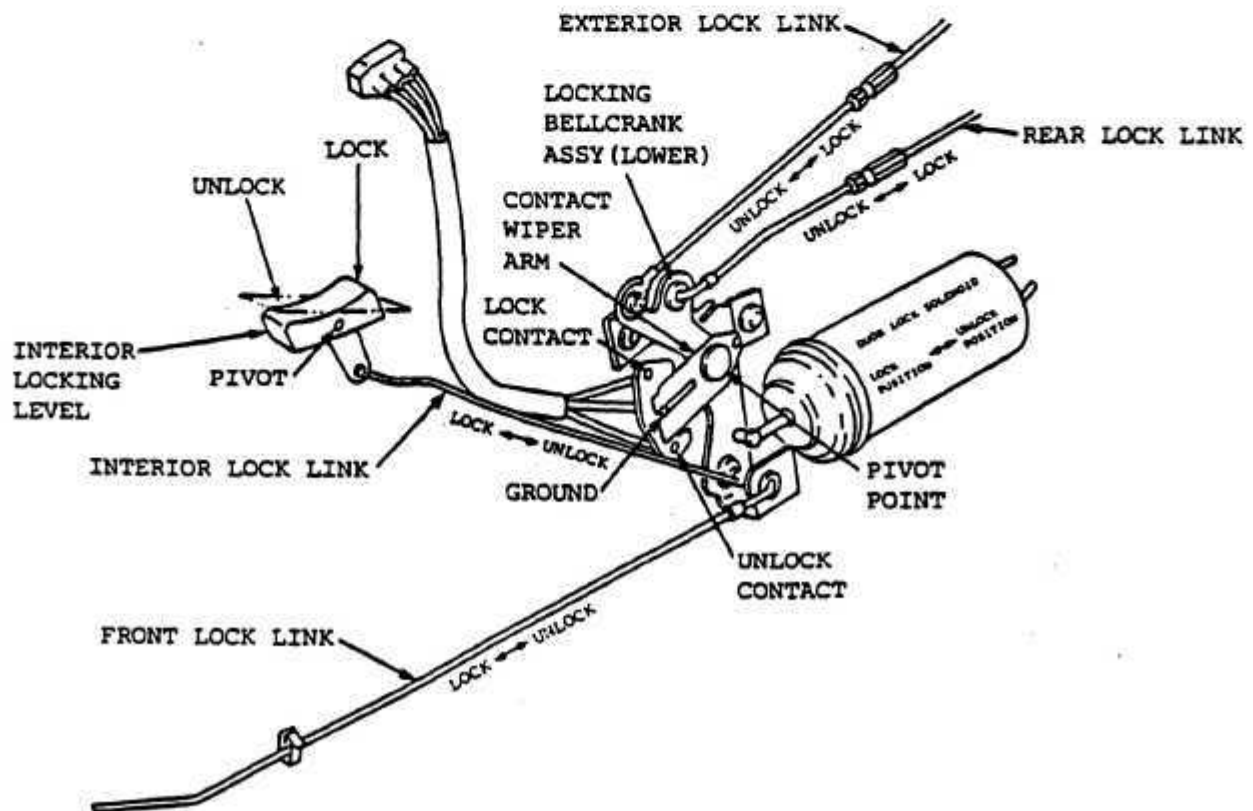
DOOR LOCK SETTING PROCEDURES

1. Lower the power window.
2. Working through the window opening, pry the upper trim panel retaining clips loose.
3. Open door and remove upper trim panel.
4. Remove screws securing the lower trim panel mounting bracket (upper edge) to the door assembly.
5. Pry loose the retaining clips securing the lower edge of the trim panel.
6. Pull trim panel away from the door to gain access to the door pull handle mounting bracket. Using a long Phillips screwdriver, remove two (2) screws securing the door pull handle to its mounting bracket. Remove the lower trim panel.
7. When working on the left door, remove the power mirror switch. When working on the right door, remove the close-out plate.
8. Remove two (2) screws securing the pull handle mounting bracket.
9. Disconnect the exterior lock link, the rear lock link and the front lock link from the lock bellcrank assembly.
10. Pivot the locking bellcrank assembly back and forth and check that the contact wiper arm on the bellcrank makes effective contact to the electrical contact points at each limit of travel. If not, adjust the position of the door lock solenoid by loosening the solenoid's attaching screws. Retighten solenoid attaching screws.
11. Rotate the lock bellcrank to the "unlock" position (solenoid plunger retracted).
12. Pull the front locking link rearward to remove the free play and connect to the bellcrank. Check that the switch's electrical contacts position has not changed (Step 11). If necessary, adjust the "bend" in the front locking link to obtain no free play, no pre-load, and good electrical contact condition. Note: During this lock setting procedure, the door is open and, therefore, the latches should be in the "unlock" position.
13. Pull the rear locking link forward to remove any free play and adjust the rear locking link (if necessary) until it matches the established bellcrank position. Connect the rear locking link to bellcrank.
14. With door lock key installed, pull the exterior lock link forward and connect the link to the bellcrank assembly. Adjust if necessary.

Door Lock Setting Procedures

-2-

15. With the door open, manually close both the front and rear door latch assemblies.
16. Move the interior locking control rocker to the lock position and then back to the unlock position. Check both the mechanical and electrical operation of the locking system. Repeat checking procedure for exterior door lock.
17. With the system in the unlock position and the door open, return the latches to the released position.
18. Position and secure pull handle mounting bracket to the pull handle assembly.
19. Position pull handle assembly into the lower trim panel.
20. Position lower trim panel on the door and secure with two (2) pull handle mounting screws.
21. Position and secure lower trim panel upper mounting bracket to door assembly.
22. Position and secure lower trim panel with retaining clips.
23. Position and secure upper trim panel.



DOOR LOCKING MECHANISM



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-11-8/81

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALER/SERVICE MANAGERS
SUBJECT: BRAKE DISC - FRONT/REAR

For quality control reasons, front and rear brake discs should be replaced instead of machining and the defective disc(s) must be submitted together with the respective warranty claim(s).

This procedure is in effect until superseded.

Please inform all personnel concerned .

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the typed name.

Lutz Feuerabendt
Technical Service Manager

LF:dg

ISSUED 8/20/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-12-9/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: UPDATE SERVICE BULLETIN ST-07-7/81

Attached, please find a new attachment for the above bulletin.

Please replace previous pages with the new ones.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

LF:dg

attachment(s)

ISSUED 9/2/81

FENDER MOUNTED ANTENNA

INSTALLATION

1. Raise luggage compartment cover.
2. Using a hole saw, locate and drill a 1" diameter hole in the top of the right front fender approximately 4" from the rear of the fender. (See figure 1).

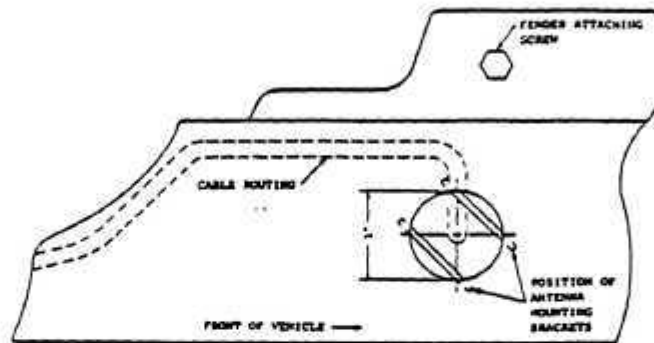


FIGURE 1

3. After cutting through the fender, continue to cut into the composite underbody approximately 1" deep as measured from the fender. (See inset - figure 2).

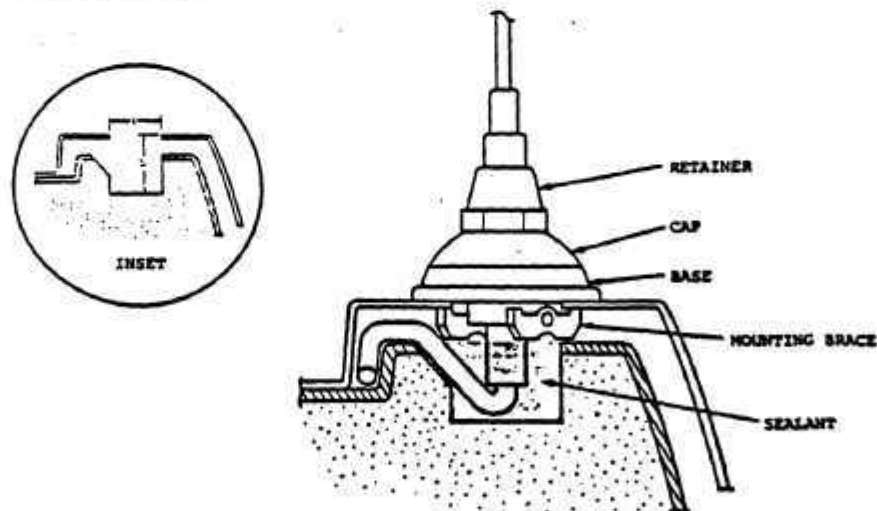


FIGURE 2

4. Using the hole saw, shave off the composite underbody away from the inboard 1/3 ridge of the hole cut in step 3 to obtain necessary clearance for antenna installation. (See figure 2).

To properly seal this drilled hole, coat the inside of the drilled area with Dow-Corning Sealastic Sealant/Adhesive (Dow Part #732). Also see step 8.

5. Working inside the vehicle and using a hole saw, drill a 1" hole in the triangular shaped recess area located above both the carpet and body seam of the right kick panel. (See figure 3).

Notice: Care should be exercised when drilling to avoid damaging the front fender.

Caution: This hole should be located far enough forward to avoid perforating the exposed door jam area.

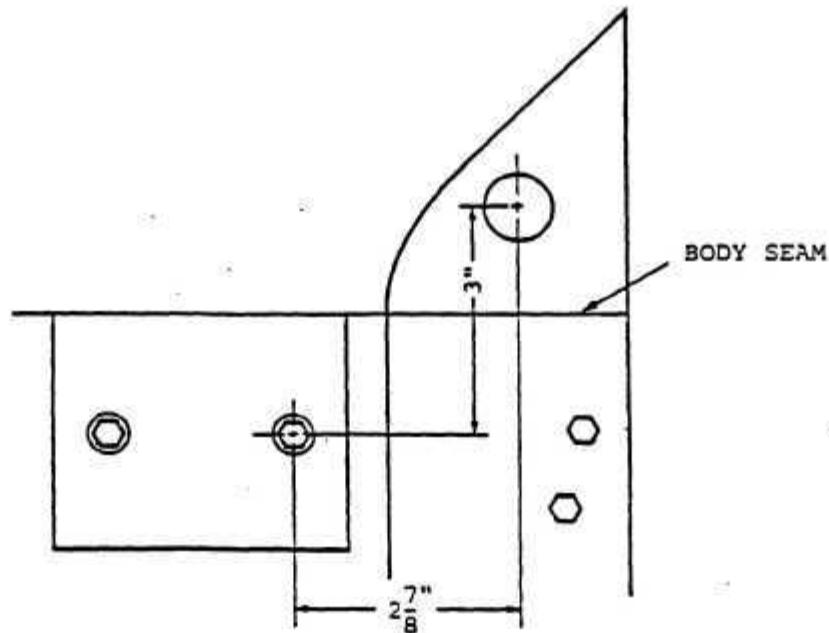


FIGURE 3

6. Route the antenna's cable into the fender (as illustrated in figure 1) and towards the direction of the hole drilled in the right kick panel.

Notice: Care should be exercised when routing the cable not to "trap" the cable under the antenna's mounting braces.

7. Working inside the vehicle, guide the cable through the hole drilled in the kick panel area with an appropriate tool. Draw enough cable through the hole to eliminate excessive cable slack inside the fender area.
8. Before positioning and securing the antenna assembly on the fender, completely fill the drilled antenna hole in the composite underbody with Dow-Corning Sealastic Sealant/Adhesive (Dow Part #732). (Obtain locally).

9. Position the antenna's mounting braces as illustrated in figure 1 and secure antenna as illustrated in figure 2.
10. Working inside vehicle, route and secure cable to radio assembly.
11. Unplug windshield antenna and plug fender-mounted antenna cable.
12. Seal the hole in the kick panel area (with cable routed) with a standard 1" grommet.
13. Test radio for AM and FM reception.
14. Clean up vehicle as required.

REIMBURSEMENT

Complete and submit Service Transaction General Form with entries on:

Line A. 3 through 16 (self explanatory)

Line B1 Enter 30

Line B2 See general instructions - Bulletin SW-01

Line B12 Enter SA-0002

Labor .5 time units = (30 min.)

Parts W-200001 (Materials) = \$1.70 (sealant/grommet)

No entry is made for the antenna which is supplied free of charge.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-13-9/81

CATEGORY: TECHNICAL

ATTENTION: DMC DEALERS/SERVICE MANAGERS

SUBJECT: FACIA FRONT/REAR REPAIRS AND REFINISHING

Attached please find the instructions for repairs and re-finishing of the front or rear facias.

The soft facias of the DE LOREAN vehicle are made of polyurethane material which require special repair and re-finishing methods.

The attached instructions contain the paint formula using R-M (Rinshed - Mason) products. Paint formulas of other suppliers will be made available as soon as we receive them.

Please inform all personnel concerned accordingly.

Sincerely,

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

LF:dg

attachment

ISSUED: 9/2/81

PROCEDURESREPAIRS:1. Distortions:

Facias must be installed tension free. If necessary, the mounting points/surfaces of the body or facias must be reworked.

2. Heavy Damages:

Multiple or large tears, or torn out pieces, require the replacement of the facia.

3. Cracks, Tears, Scratches, Gouges:

a. Cracks/Tears - Can be repaired by bonding using 3M-8101 construction glue.

b. Minor Scratches/Gouges - Involving the surface paint coat only, can be repaired as follows: Using 400 paper (wet), color sand until scratch is removed.

If necessary, to provide a good painting surface, spray and sand the area using the color coat material. (See Refinishing.)

c. Major Scratches/Gouges - Using coarse sandpaper, prepare the area to be repaired. The area must also be free of oil/grease. Build up material as necessary using 3M-8101 construction glue. If a layered build up is required, allow approximately one hour between applications.

Wet sand the repaired area starting with 200 sandpaper and then with 400-600 sandpaper to obtain a smooth surface.

If necessary, to provide a good painting surface, spray and sand the area using the color coat material. (See Refinishing.)

(Continued)

PROCEDURES (Continued)REFINISHING:

Depending on the size or location of the required area(s), either spot/area painting or complete repainting of the facia may be necessary. The following steps apply to either approach:

1. Thoroughly remove all greases, dirt, wax, and other contaminants from the area to be painted with RM 900 Precleano.
2. Wet sand with 400 paper.
3. Repeat Step 1.

NOTE: Be sure to remove all hard water residue if water sanding is used.

4. Apply Alpha-Cryl Lacquer color coat.

RM (RINSHED MASON) FORMULA

PNT -	90 -	100
AT -	141 -	253
AT -	114 -	348
AT -	116 -	428
AT -	184 -	434
AT -	122 -	440
AT -	100 -	1000

891 - See Label Directions (Flex Agent)

5. Allow Alpha-Cryl color to dry a minimum of two hours (16 hours for maximum gloss at 70-72° F.).

NOTE: A minimum of two hours is required before Step 6 is performed.

6. For the high gloss finish, apply RM 893 2K Clear / 894 2K Hardener per label directions.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-14-9/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SERVICE ACTIONS

SA-0004	- INSTRUCTIONS	PAGE	1
SA-0005	- "	"	3
SA-0006	- "	"	5
SA-0007	- "	"	9

The above service actions have been initiated to enhance vehicle operation/appearance as follows:

SA-0004 - To firm up the mounting of the instrument cluster housing.

SA-0005 - To provide wear protection for the armrest extension end face.

SA-0006 - To improve the closing of doors.

SA-0007 - To improve the closing of the glove compartment cover.

The aforementioned improvements are being made at our Quality Assurance Centers before shipments and they also will be incorporated in production vehicles in the near future.

It is recommended that all vehicles not so equipped receive these modifications, and we ask you to modify all DMC vehicles sold by your dealership or that are in your area.

Please review the attached instructions, determine your actual needs and order the necessary parts using the special order form (enclosed) indicating the applicable V.I.N.(s).

The parts are supplied free of charge and reimbursement for installation labor is detailed in the instructions.

Please inform all personnel concerned.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:dg

attachment(s)

SERVICE ACTION SA-0004
INSTRUMENT CLUSTER HOUSING

In instances where excessive movement of the instrument cluster housing is observed when operating the vehicle on rough roads, two (2) reinforcement brackets (Part #W-300001) may be installed according to the procedures on the reverse side of this page.

PROCEDURES

INSTALLATION:

1. Working under the left side of the instrument panel, remove the four (4) nuts and washers securing the instrument cluster housing to the lower instrument panel cross car support.
2. Position both reinforcement brackets (kit of 2 brackets - Part #W-300001) onto mounting studs in Figure A and secure with the washers and nuts removed in Step 1.

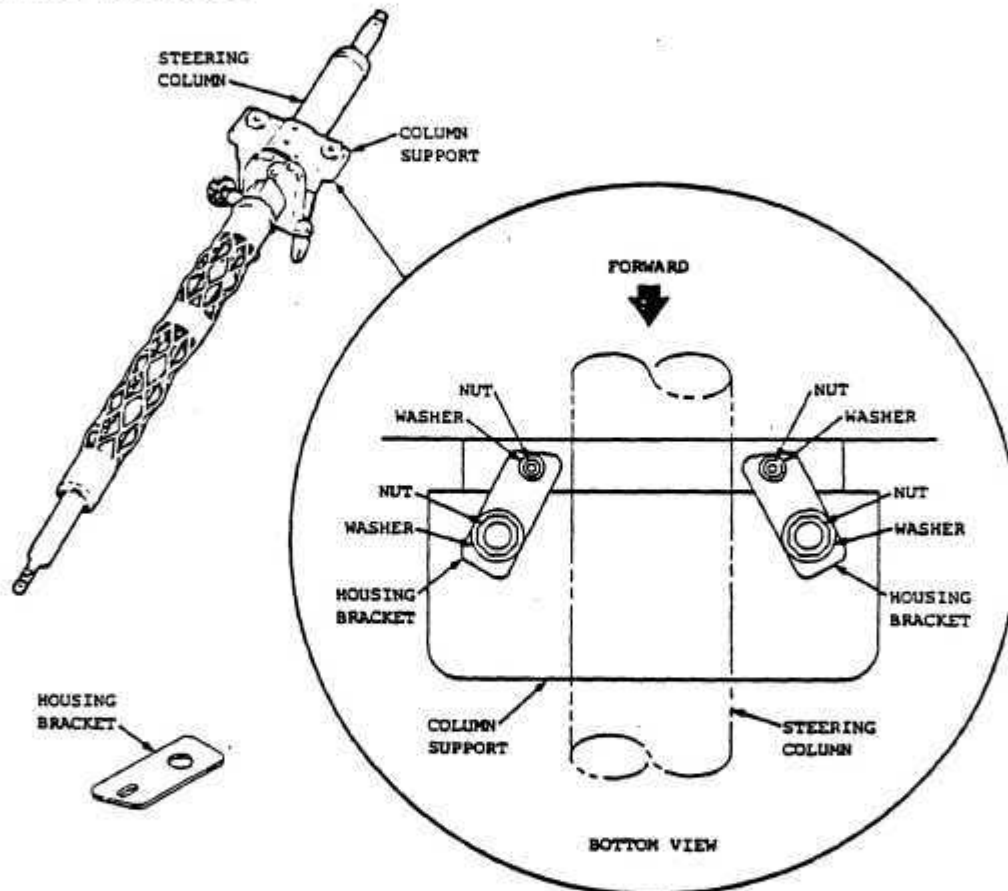


Figure A

REIMBURSEMENT:

Complete and submit Service Transaction General Form with entries on:

Line A 3 through 16 (self-explanatory)
Line B1 Enter 30
Line B2 See General Instructions - Bulletin SW-01-6/81
Line B-12 Enter SA-0004

Labor: Operation #AT-000 Time: .2

Parts: No entry. Supplied no charge.

SERVICE ACTION SA-0005
PROTECTION CAP ARMREST EXTENSION

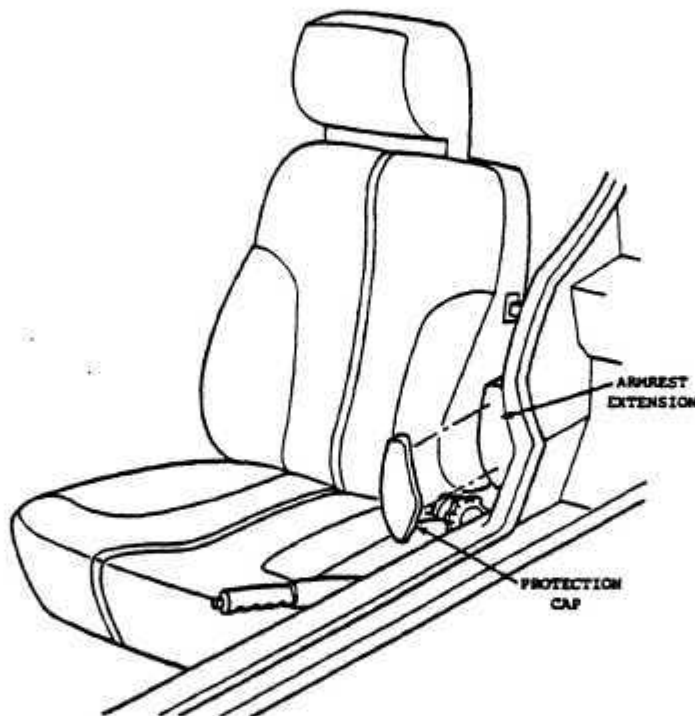
When entering or exiting the vehicle, the occupant's clothing may come into contact with the rear armrest extensions of the vehicle causing premature wear of the armrest extension covering.

To prevent such wear, and with permission of the vehicle owner, protection caps may be installed according to the procedures on the reverse side of this page.

PROCEDURES

INSTALLATION:

1. Clean the face (contact area) of the armrest extension with solvent to remove any dirt or protective coatings applied since delivery.
2. Remove the adhesive strip backing (green) from the protective cap.
3. Position the protective cap (set - Part #W-300002) onto the face of the armrest extension and press firmly to assure proper adhesion. Do not attempt to remove the cap once it is placed. The adhesive requires 24 hrs. to completely cure.



REIMBURSEMENT:

Complete and submit Service Transaction General Form with entries on:

Line A 3 through 16 (self-explanatory)
Line B1 Enter 30
Line B2 See General Instructions - Bulletin SW-01-6/81
Line B12 Enter SA-0005

Labor: Operation #AT-000 Time: .1

P .cs: No entry. Supplied no charge.

SERVICE ACTION SA-0006
DOOR LATCH GUIDES

Door latch guides are available to facilitate the closing of the doors and to prevent jamming of the door latches during improper closing of the doors. For example, pushing at the ends of the doors and/or pushing sideways when closing may offset the approach alignment of the door latches to the striker pins leading to incomplete latching or damage to the latches and/or striker pins.

In order to prevent the aforementioned difficulties, door latch guides are provided as a service installation.

It is recommended that these guides be installed on all De Lorean vehicles not so equipped according to the following instructions.

PROCEDURES

GENERAL:

Two kits of door latch guides are available

WA W300003 - For vehicles up to VIN 1100

WA W300004 - For vehicles from VIN 1100

Each kit contains:

- 1 - Guide left door front
- 2 - Guide left door rear
- 1 - Guide right door front
- 1 - Guide right door rear
- 10 - Oval head (Phillips) zinc plated screws
(#12 x 1")

REIMBURSEMENT:

Complete and submit Service Transaction General Form with entries on:

Line A 3 through 16 (self-explanatory)

Line B1 Enter 30

Line B2 See General Instructions - Bulletin SW-01-6/81

LineB12 Enter SA-0006

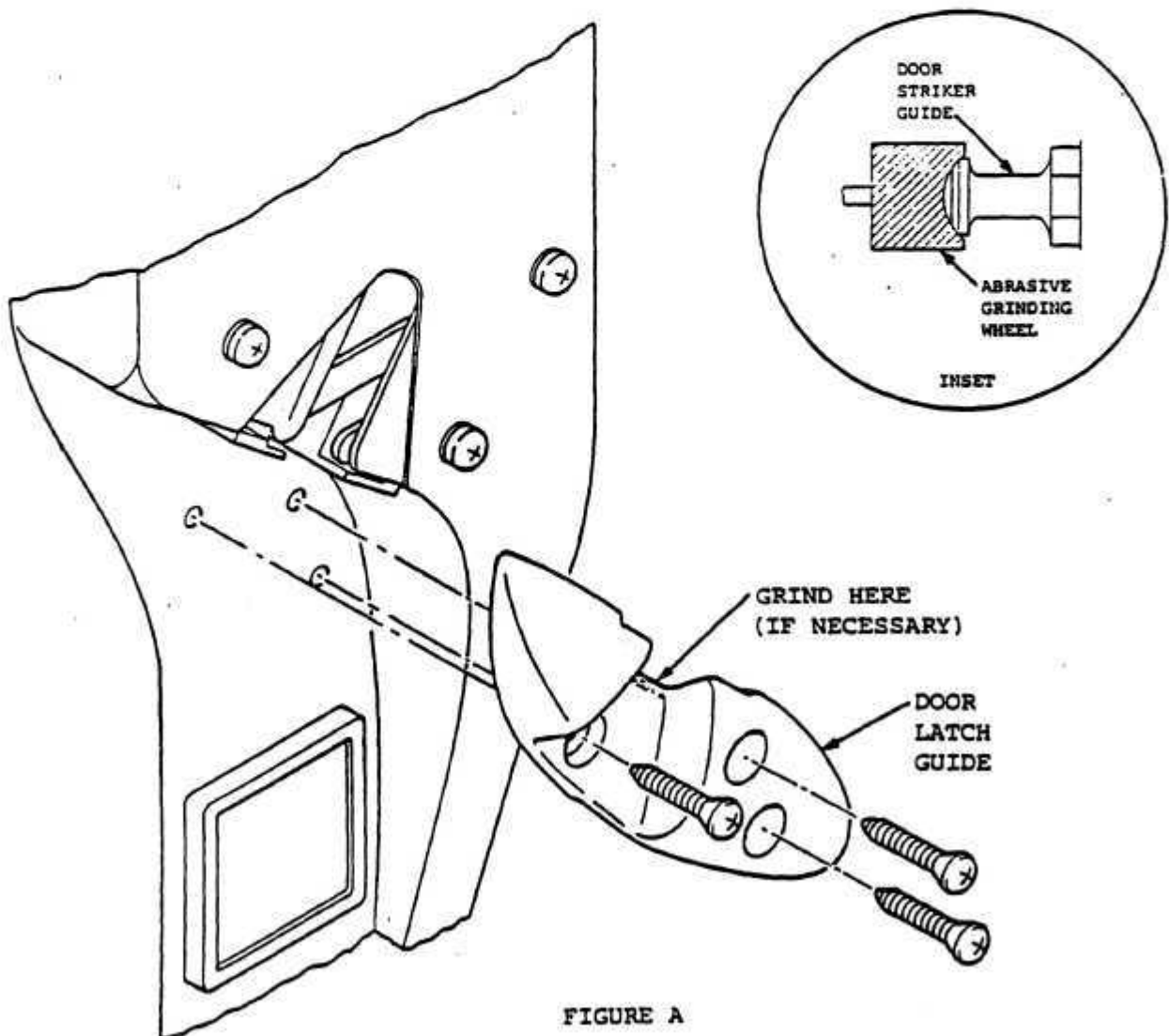
Labor: Operation #AT-000 Time: .5

Parts: No entry. Supplied no charge.

PROCEDURES (Continued)

INSTALLATION:

1. Grind the outer edge of the striker pin as illustrated in Figure A inset. This grinding should be performed with a 60 grit, mandrel-mounted abrasive wheel with a concave end (1" wheel diameter/1" wheel thickness/1 1/4" shank length/1/2" shank diameter - Snap-On #VWC-109 or equivalent).
2. Adjust the striker pin as required to ensure pin is correctly positioned to properly be secured with the latch.
3. Position the appropriate door latch guide on the door as illustrated in Figure A. Using a center punch, mark the fastener locations by guiding the punch through the mounting holes in the positioned guide.



PROCEDURES (Continued)

INSTALLATION (Continued):

4. Remove guide and drill fastener "starter" holes using a 5/32" cobalt drill bit at the marked locations.
5. Apply Loctite "Stud N' Bearing Mount" fastener adhesive onto the underside of the screwheads before installation.
6. Position and secure the door latch guide with the zinc plated, oval head screws (#12 x 1") supplied with the kit.
7. Inspect the door latch (white plastic) and door guide contact/mating area for proper alignment. If this area does not properly align due to the door guide area extending out from the door latch, thus creating a "ledge", grind the door guide with a power grinder until a 1/32" positive guide alignment is achieved. Excessive grinding (less than a 1/32" positive guide alignment) must be avoided. Failure to achieve a proper fit could result in the striker pin catching on the door guide when the door is being opened, or damaging the door latch when the door is closed. (See Figure A.)
8. Repeat the above procedure for the remaining three (3) door latch guides.

IMPOTANT: In vehicles with VIN numbers 3000 and below there are potentially three (3) different configurations of door latch guide areas. We have tooled stainless steel guides for all three configurations. Generally, however, the VIN number designation by part number on page 6 of this bulletin will reflect the appropriate set of guides. The guides are designed to fit flush on all doors provided the appropriate guides are used. If the guides you receive do not fit flush, please contact our parts depot and we will send you the appropriate set of guides.

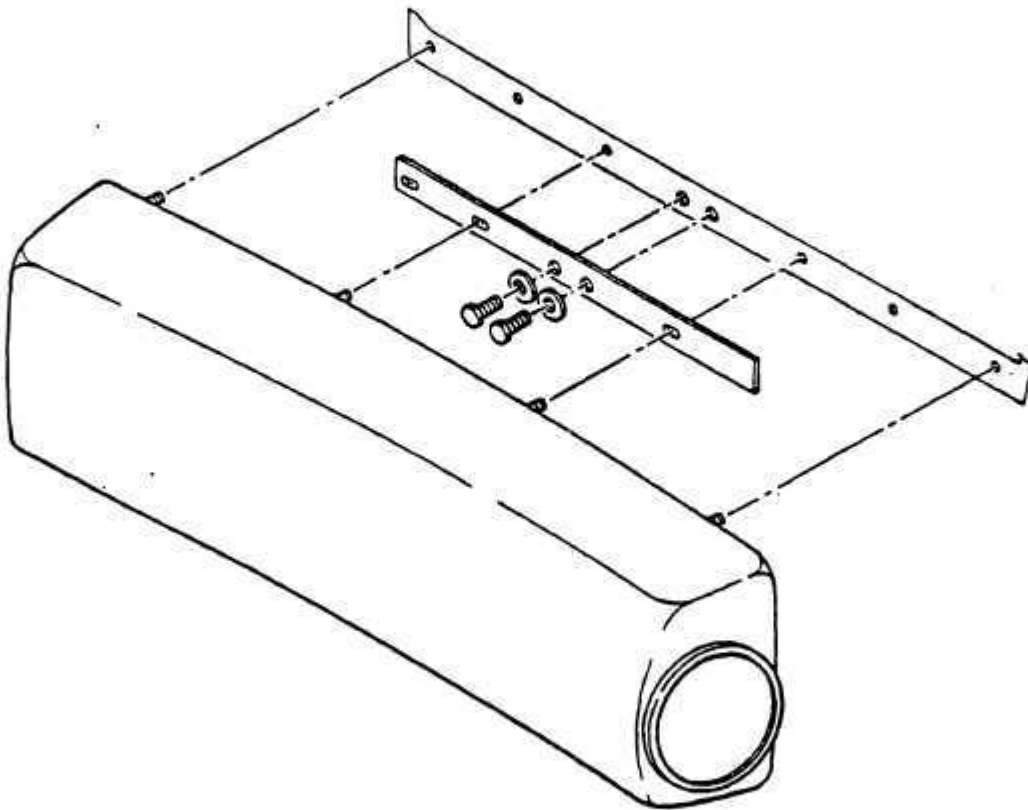
SERVICE ACTION SA-0007
GLOVE COMPARTMENT LATCH - REINFORCEMENT STRIP

In instances where difficulties in closing the glove compartment cover are encountered, a reinforcement strip (Part #W-300005) may be installed according to the procedures on the reverse side of this page.

PROCEDURES

INSTALLATION:

1. Working under the glove compartment, remove the four upper and the two (2) lower passenger knee pad attaching nuts. Remove knee pad.
2. Remove the two (2) glove compartment latch attaching screws.
3. Position the reinforcement strip (Part #W-300005) as illustrated below and secure with the latch attaching screws. (NOTE: The outermost hole of this strip is not used.) Adjust the latch as necessary.
4. Position and secure the passenger knee pad assembly.



REIMBURSEMENT

Complete and submit Service Transaction General Form with entries on:

Line A 3 through 16 (self-explanatory)

Line B1 Enter 30

Line B2 See General Instructions - Bulletin SW-01-6/81

Line B12 Enter SA-0007

Labor: Operation #AT-000

Time: .3

Parts: No entry. Supplied no charge.



2055 S.E. Main Street,
Irvine, California 92714
(714) 966-1831
(800) 854-6087 CONTINENTAL U.S.
(800) 432-3545 CALIFORNIA ONLY

SPECIAL SERVICE ACTION PARTS ORDER

BILL TO	DEALER NAME	DEALER CODE
	STREET ADDRESS	
	CITY	ZIP CODE
SHIP TO	NAME	
	STREET ADDRESS	
	CITY	ZIP CODE
DEALER P.O. #		

REFERENCE NO.		DATE		TIME	
STOCK ORDER	DAILY	OTHER			
SHIP VIA	UPS	UPS BLUE LABEL AIR	PP	UP SPECIAL	AIR PP
	TRUCK	PICK UP	OTHER	CARRIER	
INTERNAL ORDERS	ACCOUNT NO.				APPROVED BY
SPECIAL INSTRUCTIONS					

SERVICE ACTION #	PART NO.	QTY	V.I.N. NUMBERS
SA - 0004	W-300001		
SA - 0005	W-300002		
SA - 0006 (up to VIN 1100)	W-300003		
SA - 0006 (from VIN 1101)	W-300004		
SA - 0007	W-300005		

DEAR CHECKED BY

LINES

DEALER
AUTHORIZED
SIGNATURE

PAGE NO

PAG



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-15-10/81

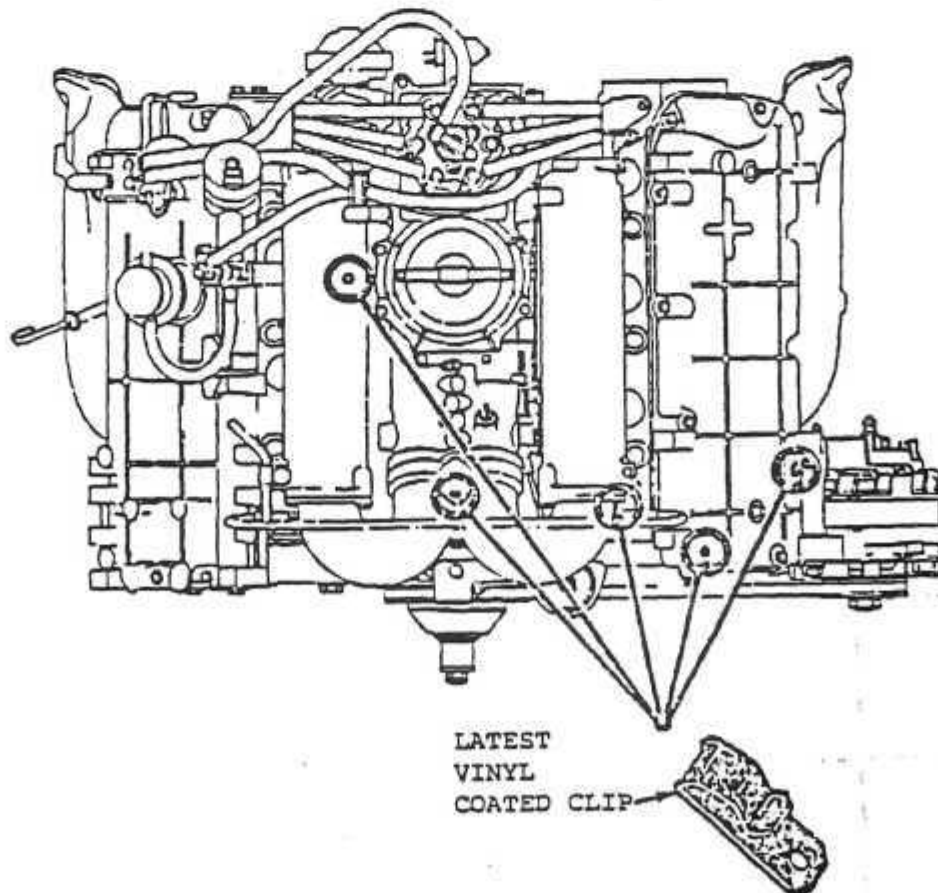
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: WIRING HARNESS CLIPS PART NO. 106731

To improve wire harness routing/fastening, the five metal clips used to route the engine harness have been redesigned.

Vehicles found in service with the earlier type clips should be reworked using the latest vinyl coated type clips. The latest clips were introduced intermediately in production from VIN 1201.



Continued...

Issued 10/16/81

ST-15-10/81

Page 2

Reimbursement

Submit DMC Service Transaction (General) Using:

Transaction Code: 20 (Warranty Claims)
Component Code: 37006
Labor Operation: AT000, Time .25
Parts Number: W-200001, Quantity 1, \$2.92 = (5 clips, #106731)



Lutz Feuerabendt
Technical Service Manager

LF:mc



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-16-10/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: AUTOMATIC TRANSMISSION ADJUSTMENT AND CHECK PROCEDURES

In the event an automatic transmission complaint arises regarding shifting and/or operating irregularities, perform the following sequence of checks and adjustments.

Checking and Adding Automatic Transmission Fluid

1. Ensure that the vehicle is parked on level ground and the parking brake is applied.
2. With the selector lever in the "P" Park position, start the engine and run until coolant fans operate.

Note: A/C off.

3. Check the fluid level with the transmission selector in the "P" Park position and the engine running at idle. The fluid level, on the dipstick, should be checked when condition has been met in Step 2 using hot mark on transmission dipstick.
4. If additional fluid is necessary, add required amount through the automatic transmission dipstick tube to bring the level to the hot fill mark on the dipstick.

Note: Use ATF containing Dextron II. Do not over fill.

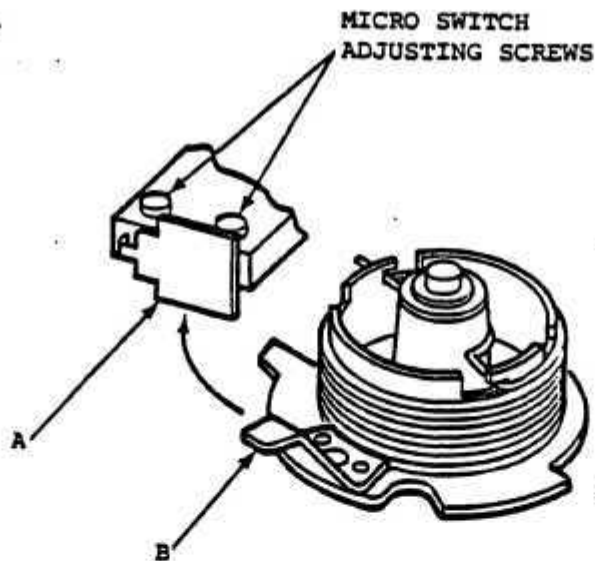
Throttle Adjustment

1. With the engine off, have an assistant depress the accelerator pedal fully while observing the throttle plates. Make sure the plates open fully. Adjust throttle cable, if necessary.

continued

Microswitch Adjustment

1. Working in the engine compartment with the ignition off, open the throttle plates to the full throttle position.
2. Loosen the microswitch attaching screws and position the switch so that it is activated in the full throttle position (See illustration). Tab B should contact and activate Switch A at full throttle.
3. Tighten the switch attaching screws.
4. Disconnect wires at microswitch and, using an ohm meter, have an assistant depress the throttle to the floor and check to ensure that the microswitch is activated.



Check Electrical System Connectors

1. Remove cover protecting coil and electrical connectors in right corner of engine compartment.
2. Locate red electrical gang connector mounted on wall of engine compartment. (FIG. A)
3. The wiring harness is equipped with connectors for both the manual transmission (FIG. B) and the automatic transmission (FIG. C).
4. Ensure that the connector applicable to automatic transmission vehicles (FIG. C) is plugged into the red connector (FIG. A).

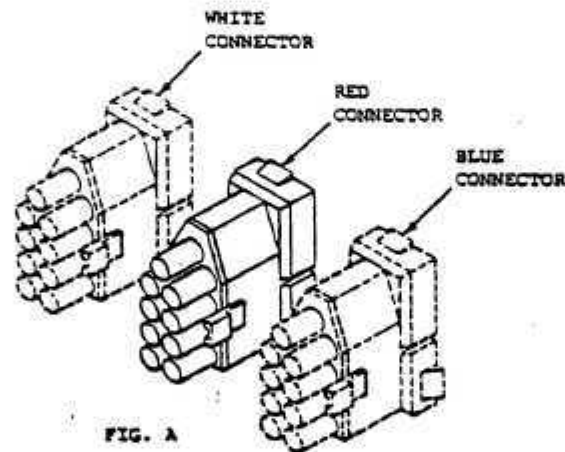
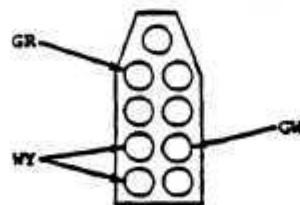
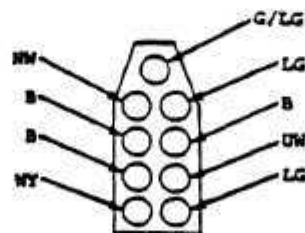


FIG. A



MANUAL TRANSMISSION

FIG. B



AUTOMATIC TRANSMISSION

FIG. C

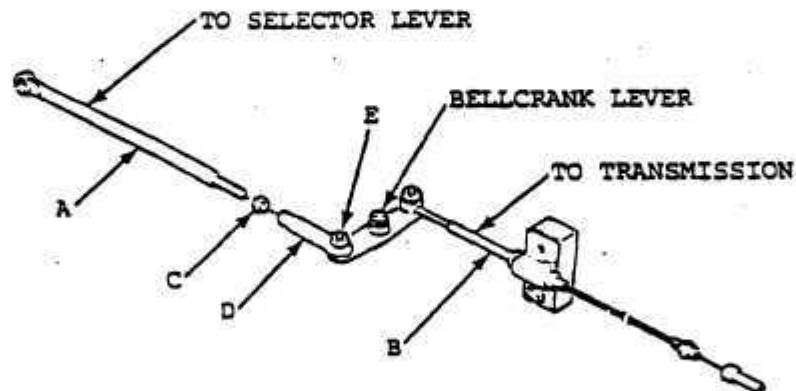
COLOR CODE

B	BLACK	P	PURPLE
G	GREEN	R	RED
K	PINK	S	SLATE
LG	LIGHT GREEN	U	BLUE
N	BROWN	W	WHITE
O	ORANGE	Y	YELLOW

Selector Linkage Adjustment

1. Raise the vehicle on a hoist.
2. Disconnect the gear selector tube "A" from its bellcrank lever connection "E".
3. Lower the vehicle and place the selector lever in the "P" Park position. Ensure that the lever locking mechanism is fully seated and the lever is locked in position.
4. Raise the vehicle and place the transmission in "Park" by thrusting the selector cable "B" completely forward.

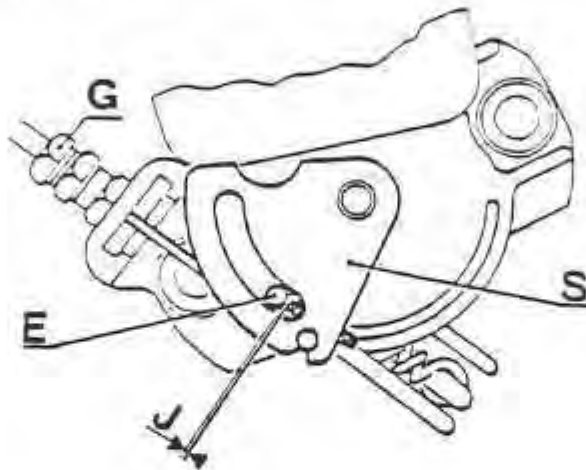
Note: Ensure that the transmission is in the "Park" position by holding one rear wheel stationary and attempt to rotate the other rear wheel. The parking pawl should drop into position and lock the wheel.



5. Loosen locknut "C" and lengthen or shorten gear selector tube "A" by turning "D" until it will slip over its bellcrank lever connection "E" easily (without binding).
6. Retighten the gear selector tube to its bellcrank lever connection "E" and retighten locknut "C".
7. Lower the vehicle.

Governor Control Cable Adjustment

1. With an assistant in the vehicle, raise it on a hoist.
2. With the engine turned off, have the assistant depress the accelerator pedal to the floor (full throttle position).
3. Loosen the cable locknut and adjust the cable sleeve stop "G" at the governor end to obtain clearance "J" between quadrant arm and the stop peg "E"/clearance should be: 0.3 - 0.5mm (.012 - 0.20 in.) (See illustration).



Note: If the cable cannot be adjusted properly at the governor end, the cable housing can be lengthened or shortened at the throttle linkage end. Repeat adjustment procedure after changing the housing position.

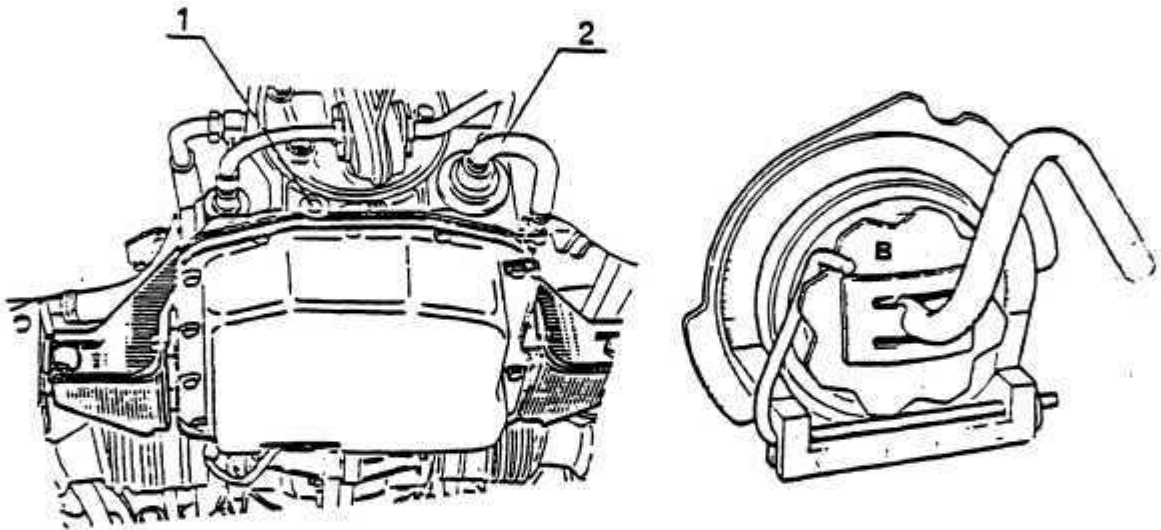
4. Tighten the locknut at "G".
5. Lower the vehicle.

Transmission Fluid Pressure Check and Adjustment

1. Operate vehicle until transmission reaches normal operating temperature (cooling fans cycling - A/C off). Check and adjust transmission fluid level.
2. With an assistant in the vehicle, raise the vehicle securely positioned on a hoist allowing the rear wheels to turn freely.

Caution: Stand clear of rear wheels.

3. Connect the transmission pressure gauge J21867 to the main line pressure fitting located at the rear of the transmission below the fluid pump. (Figure 1) Caution: Fluid is hot.



4. Disconnect the vacuum hose from the vacuum modulator. (Figure 2)
 5. Start the engine, place the transmission selector lever in "Drive", and run the engine up to 2,500 RPM at which point the transmission will have shifted into third gear.
 6. Read transmission fluid pressure; the pressure should be 8 Bar \pm 0.2 (113 PSI \pm 3) when the transmission fluid temperature is at normal operating temperature.
 7. Adjust the fluid pressure by unlocking the retaining clip and rotating the vacuum modulator in its housing. (Figure B)
- Note: Turning the modulator clockwise will increase the fluid pressure. One notch of movement will change the pressure approximately 0.1 Bar (1.5 PSI).
8. Install the modulator retaining clip, refit the modulator vacuum hose, and remove the fluid pressure gauge.
 9. Lower the vehicle, check and adjust transmission fluid level.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-17-10/81

CATEGORY: TECHNICAL

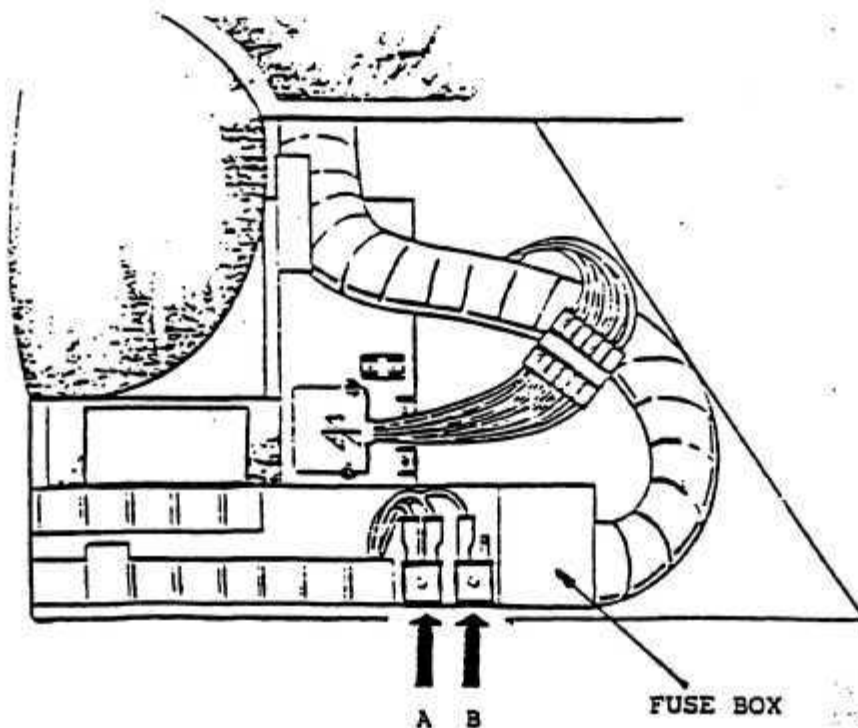
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: HIGH COOLANT TEMPERATURE

If an abnormally high coolant water temperature is observed in heavy traffic conditions, check for the correct installation of the cooling fan and interior blower fan circuit breakers and for the correct rotation of the cooling fans.

1. Pull back the rear shelf carpet, and remove the RH electrical compartment access panel.

Both circuit breakers are located as shown below:



Check to ensure that the cooling fan circuit breakers are in the position as shown (Position A). Check to ensure that the blower fan circuit breaker is in the position as shown (Position B).

Continued...

Issued 10/25/81

The amperage rating is stamped on the top face of each unit, opposite its terminal base, and may be observed after pulling the circuit breaker from its retaining clip with the wires still attached.

If necessary, transpose the two units, and check that the wires are connected as in the diagram.


CAUTION

Take great care that no fingers or clothing are caught in the fans. Remember that with the ignition switched on, the fans are liable to start without warning.

2. From beneath the car, with the cooling fans running (bypass thermal switch if necessary) check that both fans are drawing air from front to rear, i.e., air can be felt blown onto the hand held behind each fan.

If either fan is found to rotate in the reverse direction, transpose the two wires in its connector block and retest.

Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-18-10/81

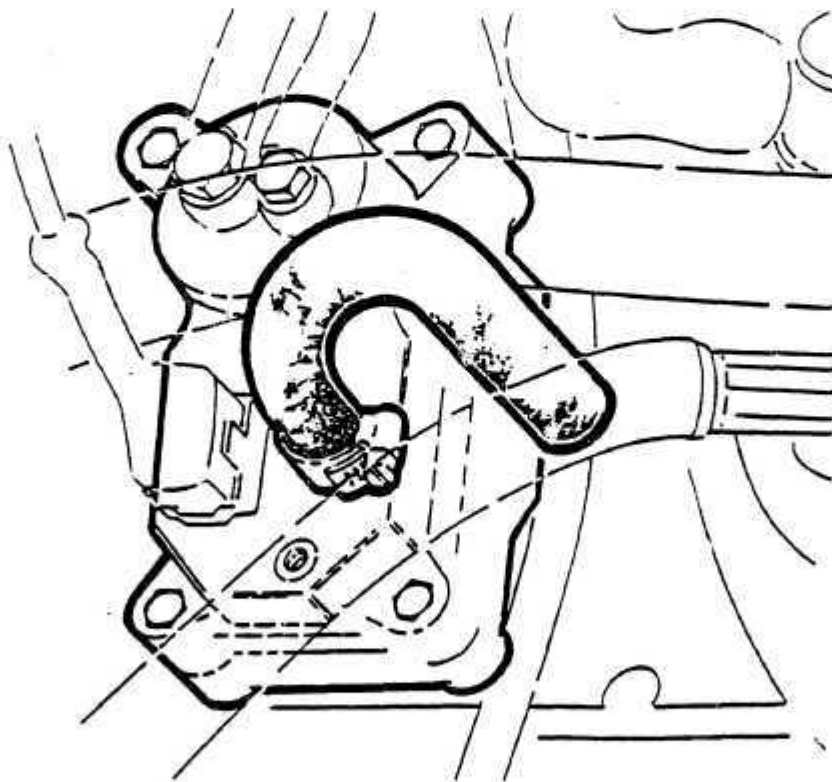
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS


SUBJECT: VENT HOSE - CONTROL PRESSURE REGULATOR

The installation position of the vent hose on the control pressure regulator should be inspected and corrected on all DMC vehicles up to V.I.N. 2283 as well as on all DMC vehicles during service visits.

If necessary, to prevent kinking the vent hose should be rotated away from the air conditioning hose. (See Illustration)



Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-19-10/81

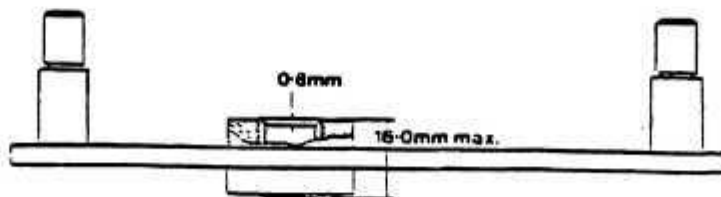
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: GEARSHIFT ACTION

In the event of stiff gearshift action, carry out the following checks:

1. Raise vehicle and release both gear linkage control rods from bell crank through access opening on underside of frame.
2. Check that the bell crank pivots freely. If not, release pivot bolt and remove bell crank.
3. Check that upper end of the bell crank pivot bush has a 0.8mm deep 45° chamfer to accommodate bolt head radius.
4. Check that the pivot bush's total length does not exceed 16.0mm.
5. If necessary modify the bush to obtain conditions as specified under 3 and 4.
6. Lubricate all pivot points with multi-purpose lithium based grease, and refit bell crank and pivot bolt with two 8mm washers (SP10032) between bell crank and frame brace. Torque pivot bolt to 22Nm (16 ft. lb.) and check that the bell crank pivots freely. Refit gearshift control rods.



Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-20-10/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: OBSTRUCTION OF FOOTWELL VENTS

In the event of poor heater/air conditioning output from the footwell vents, check the following points:

1. Ensure that the driver's side footwell vent is not obstructed by either the tunnel carpet or the main wiring harness. Tuck or glue the carpet beneath the vent and route the harness securely over the vent outlet as necessary.
2. Ensure that the passenger's side footwell vent is not obstructed by the tunnel carpet. Tuck and glue the carpet down beneath the vent.

Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-21-10/81

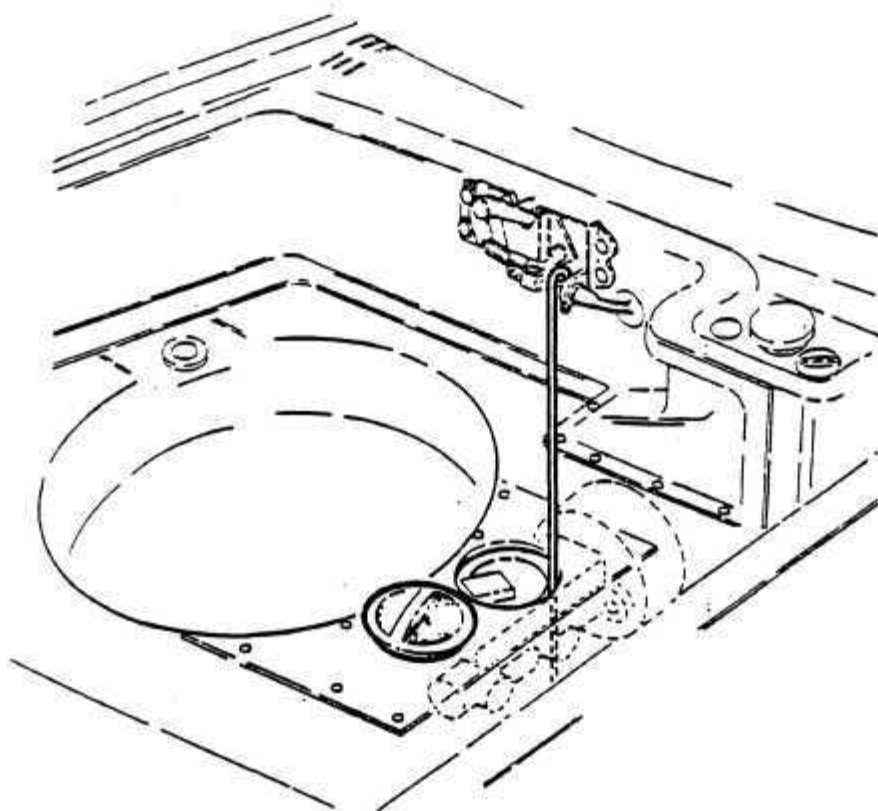
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: HOOD RELEASE

If the hood release fails to operate, the following is a method of release:

1. Remove left front wheel.
2. Remove brake reservoir cover from below.
3. Using a hooked wire, reach through the aperture and release the hood latch. (See Illustration)



Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-22-10/81

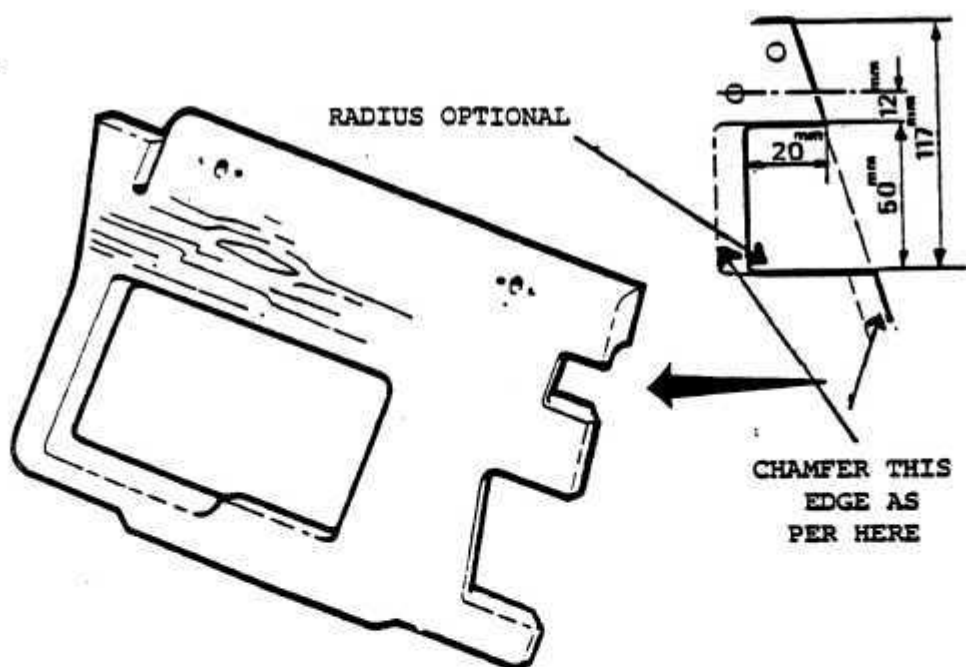
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: WIRING HARNESS ROUTING ON RIGHT (REAR) BULKHEAD PANEL

From V.I.N. 2309, a recess has been cut out of the right rear bulkhead panel to accommodate the wiring harness. See the diagram below.

This modification may also be made on earlier vehicles to improve harness routing.



Please inform all personnel accordingly.

E. Feuerabendt
Eutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-23-10/81

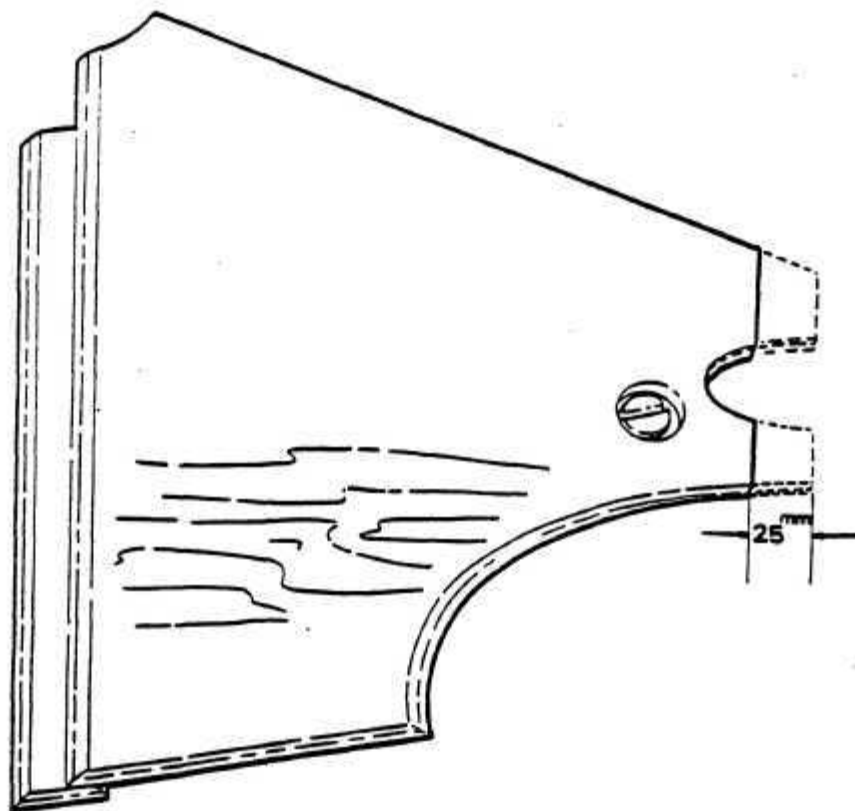
CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS


SUBJECT: REAR PARCEL SHELF BOARDS RH AND LH

From V.I.N. 2309, to facilitate removal of the rear parcel shelf boards, 25mm has been cut from the top edge of both boards. See the diagram below.

This modification may also be made on earlier vehicles.



Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-24-10/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: REVISED TORQUE SETTING

From V.I.N. 2474 the torque setting for upper and lower ball joint to steering knuckle has been revised to 70Nm (52 ft.-lb.).

Please update Service Bulletin ST-09-7/81 accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-25-10/81

CATEGORY: TECHNICAL

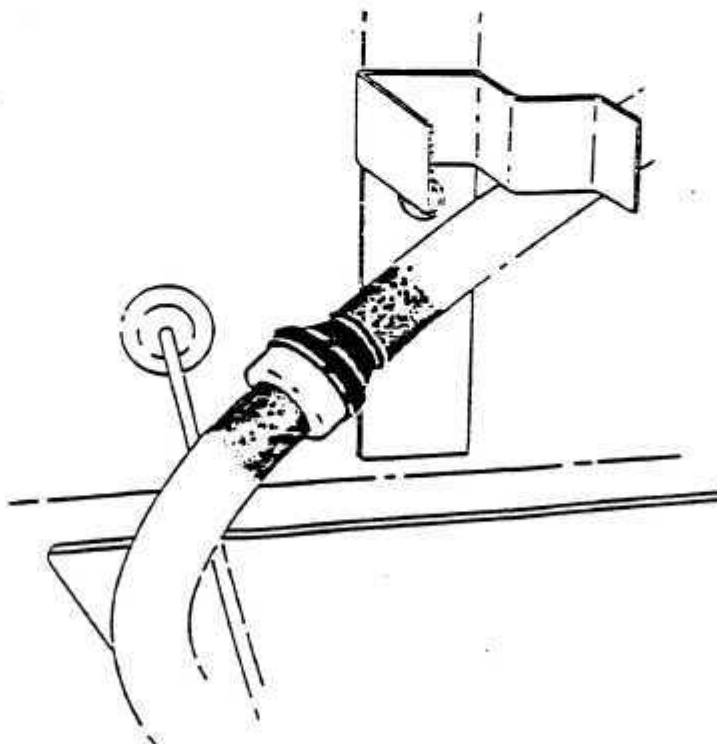
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: HEATER/AIR CONDITIONING MODE SWITCH OPERATION

If the heater/air conditioning mode switch fails to operate, first check that the vacuum check valve is fitted correctly.

The black and white plastic valve is fitted into the vacuum line between the vacuum reservoir and engine and is to be found towards the left front of the engine compartment.

When correctly fitted, the black side of the valve faces towards the engine.



Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/26/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-26-11/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: ALTERNATOR

As of V.I.N. 4539 DMC vehicles will come equipped with a new Motorola Alternator Part No. 110101.

The previous Alternator Part No. 102425 will no longer be available as a unit. However, existing stock should be used up on vehicles up to V.I.N. 4539.

If alternator replacement becomes necessary on vehicles prior to V.I.N. 4539, the alternator mounting and wiring must be modified according to the attached instructions.

Please inform your personnel accordingly.

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Warranty Manager

LF:mc
Attachment

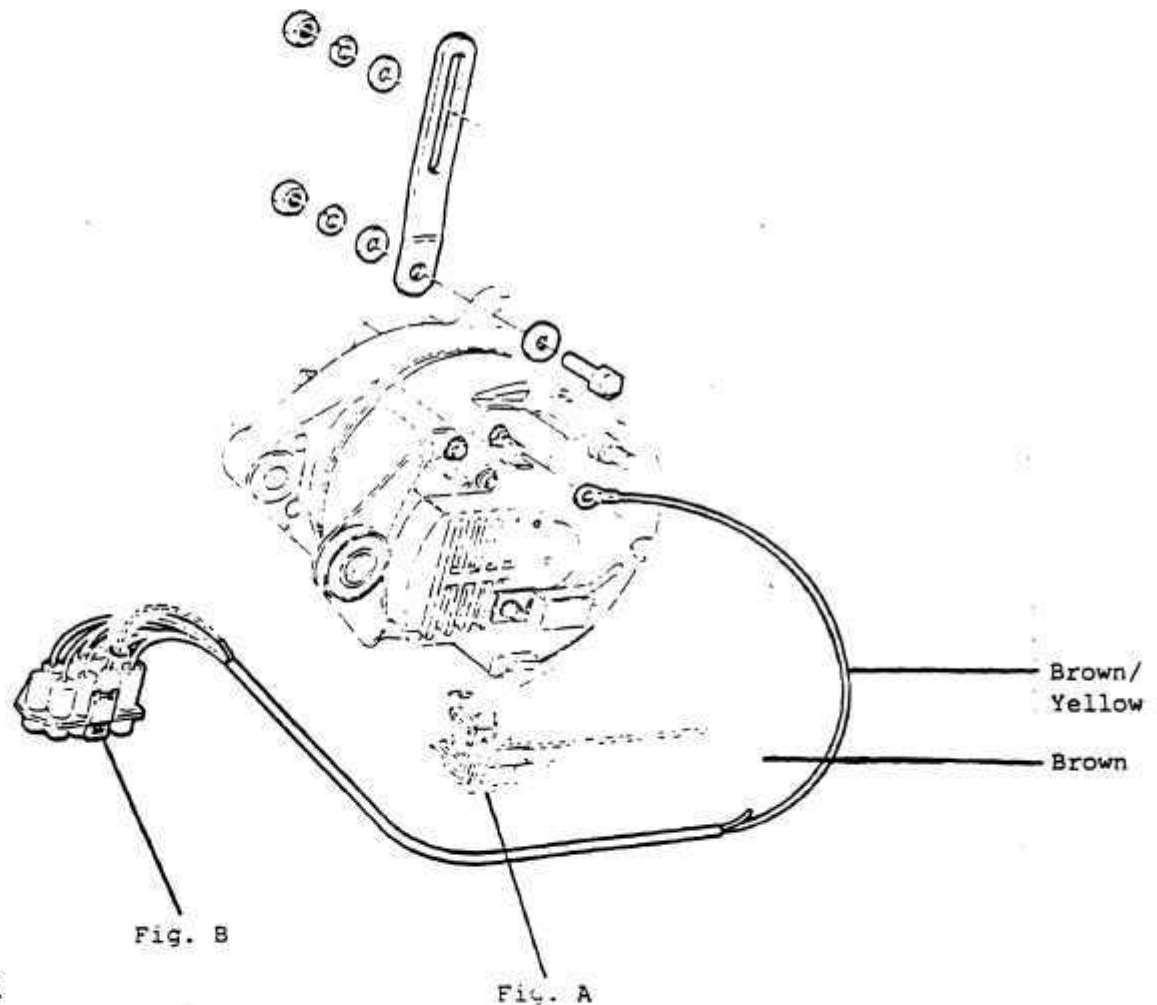
Issued 11/24/81

MOTOROLA TYPE 90A ALTERNATOR PART NO. 110101

Fitting Instructions on Vehicles Prior to V.I.N. 4539

Required Parts

- | | |
|-------------------------------------|-----------------|
| 1. Alternator | Part No. 110101 |
| 2. Alternator Bracket | Part No. 110102 |
| 3. Alternator Belt | Part No. 102442 |
| 4. Six (6) Inch Vacuum Hose | Part No. 102712 |
| 5. M5 x 80 Hex Nut | Local Supply |
| 6. M8 x 125 Hex Nut | " |
| 7. 5mm Flat Washer | " |
| 8. 8mm Lock Washer | " |
| 9. Small Crimp-on Electrical Eyelet | " |



Instructions

1. Disconnect battery.
2. Remove existing alternator and bracket.
3. Cut off original alternator plug. (See Figure A.)
4. Remove harness sheathing back to 1 inch before oil pressure sender break out to exposing brown wire and brown/yellow tracer wire.

Motorola Type 90A Alternator
Page 2

Instructions (Continued)

5. Cut back brown wire to remaining harness sheathing.
6. Disconnect blue engine harness plug (Figure B.) and cut back brown wire to sheathing.
7. Drill out eyelets of brown wires to 8 mm (charging wires B+).
8. Using excess piece of vacuum hose Part No. 102712, cut to 6 inches in length and sleeve over brown/yellow wire.
9. Re-route brown/yellow wire with hose through aperture between muffler bracket and valve cover (parallel oil sending wire).
10. Fit new eyelet to brown/yellow wire.
11. Re-tape main harness with electrical tape.
12. Fit the Motorola Type 90A Alternator using the modified adjusting bracket Part No. 110102 which is fitted in reverse position to the original bracket i.e., adjusting or slide portion to be bolted to the engine crankcase, fixed end of the bracket to the alternator end cover.
13. Reconnect brown/yellow wire to D+ terminal of alternator.
14. Reconnect brown charging wires to B+ terminal of alternator.
15. Fit new alternator drive belt Part No. 102442 and adjust tension.
16. Ensure all connections are secure at alternator.
17. Reconnect the blue engine harness plug.
18. Reconnect battery.
19. Ensure that the battery is in good condition and fully charged.
20. Start engine and perform alternator output check.

Operation Numbers and Time

R & R Alternator - O.P. #32002	Time .4
Modify Harness O.P. #32009	Time .4 (Up to V.I.N. 4539 only)



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-27-11/81

CATEGORY: TECHNICAL

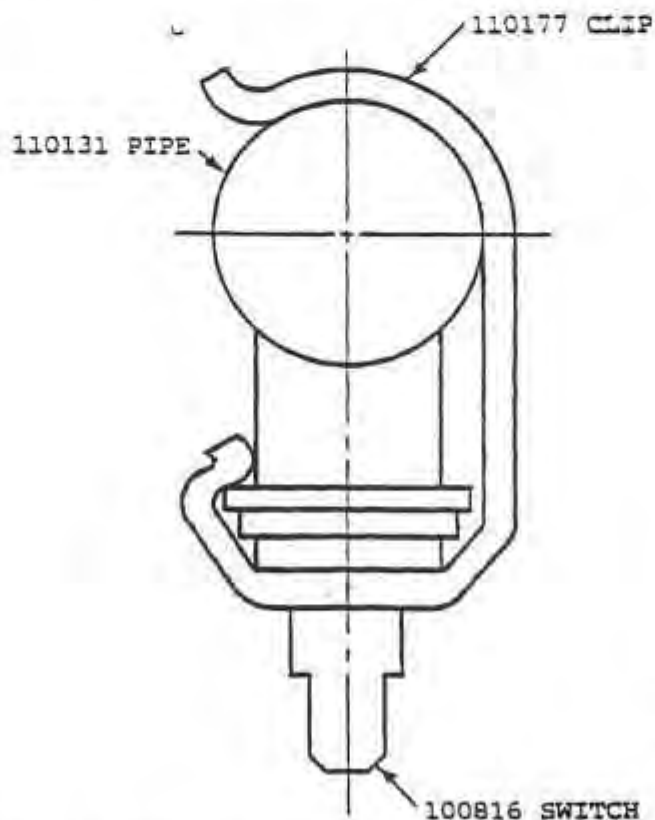
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: RETAINING CLIP - TEMPERATURE SWITCH

A new temperature switch retaining clip Part No. 110177 has been introduced to replace existing clip Part No. 108633.

This clip is not interchangeable and will only fit water pipe Assembly No. 110131.

Factory introduction with V.I.N. 3850.



Please inform all personnel concerned.

Lutz Feuerabendt
Lutz Feuerabendt
Warranty Manager

Issued 11/24/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-28-11/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SENDER UNIT - FUEL GAUGE

A new recalibrated fuel sender unit Part No. 110555 has been introduced to replace existing sender unit Part No. 105183.

Factory introduction with V.I.N. 5238.

Please inform all personnel concerned.

A handwritten signature in dark ink, appearing to read "L. Feuerabendt", is written over the printed name.

Lutz Feuerabendt
Warranty Manager

LF:mc

Issued 11/24/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-29-11/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: FREON CHARGE AIR CONDITIONING

The freon charge has changed to 2.2 lbs. from the previous 2.75 lbs..
The new specification was introduced with V.I.N. 4080.

If knocking noises are observed during starting with the air
conditioning on, the new freon charge specification should be used.

Please inform all personnel concerned.

A handwritten signature in cursive script, likely belonging to Lutz Feuerabendt.

Lutz Feuerabendt
Warranty Manager

LF:mc



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-30-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: BAFFLE FUEL TANK

A modified new baffle Part No. 110155 for the fuel tank has been introduced as of V.I.N. 4782.

Only the new baffle will be supplied as a spare part from now on.

The following instructions describe the installation steps of the new baffle.

Please inform all personnel concerned.

A handwritten signature in cursive script, likely belonging to Lutz Feuerabendt.

Lutz Feuerabendt
Warranty Manager

LF:mc

Attachment: Instructions

ISSUED 12/4/81

FUEL TANK BAFFLE INSTRUCTIONS

The following new part is needed for installation:

Fuel Baffle - Part No. 110155

Remove fuel pump and existing fuel baffle assembly. Discard baffle assembly.

Pre-Assembly of New Fuel Baffle Before Installation

Figure 1 Fit grommet A to baffle B.

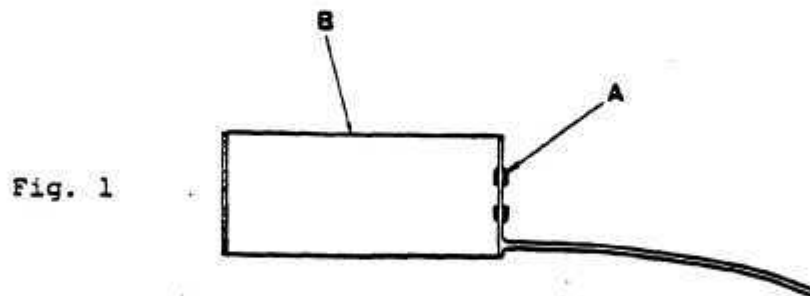


Figure 2 Assemble fuel supply hose C through grommet in baffle. Sleeve hose clip D onto hose and assemble hose to filter E ensuring maximum penetration, and orientate as illustrated.

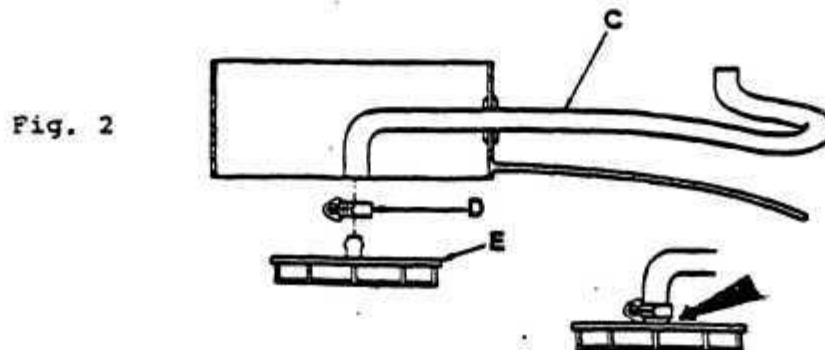


Figure 3

Fit baffle retainer spring inner F to baffle, ensuring spring legs are routed under the fuel feed hose.

Fig. 3

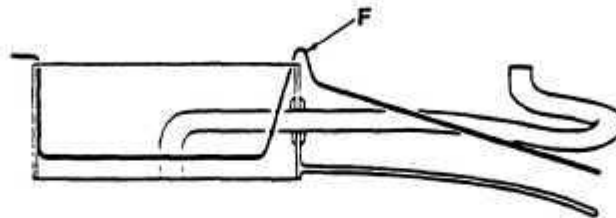


Figure 4

Fit hose clamp G to fuel return hose H and position hose clamp approximately 80mm from hose end.

Assemble baffle base J through stem of baffle through slot in base.

Fig. 4

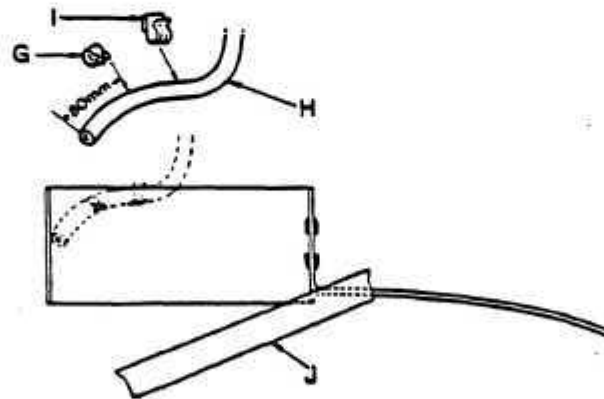


Figure 5

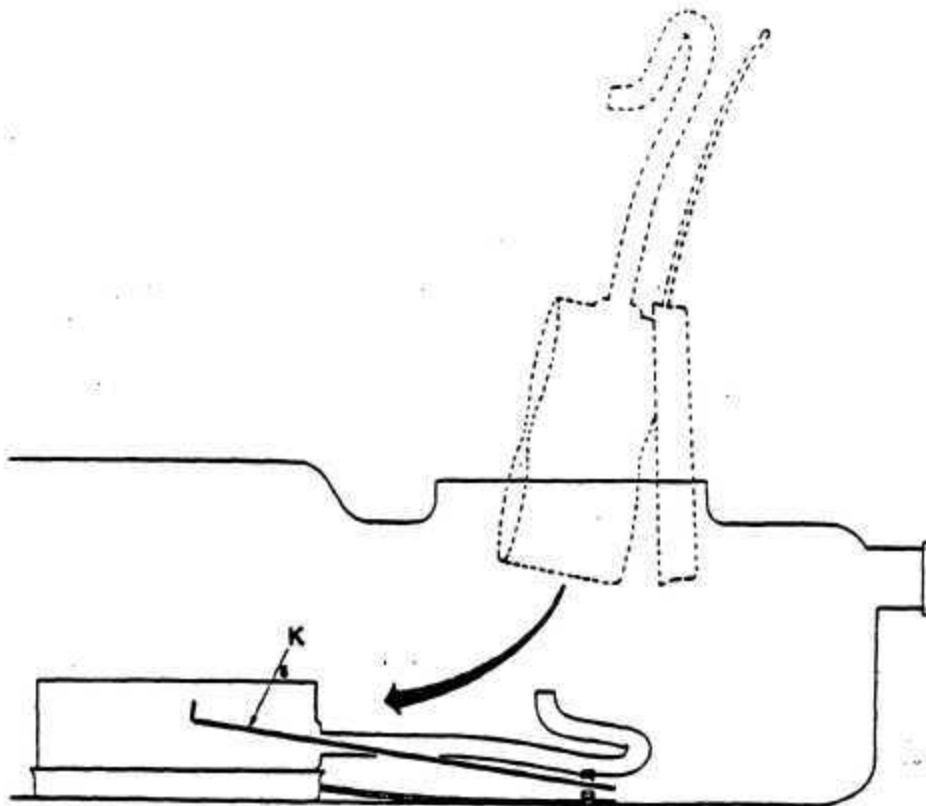
Installation of New Baffle into Fuel Tank

1. Slide baffle base close to end of baffle stem.
2. Squeeze baffle body as necessary to achieve entry of baffle into tank. Then squeeze baffle base to achieve entry into tank.
3. With baffle/base assembly suspended vertically, slide the slotted base along the stem until the rear edge of the baffle rim snaps into the location groove surrounding the corrugated ribs on the base.
4. Locate the baffle stem and retainer spring (inner) to the stud on the base of the tank.

(Installation of New Baffle into Fuel Tank (Continued))

5. Fit and position outer spring K under fuel flex feed hose (on baffle) and onto stud on base of fuel tank. (Do not locate spring on baffle edge at this stage.)
6. Loosely fasten baffle and (2) two baffle retainer springs to stud in fuel tank base.
7. Locate hooked legs of retainer spring outer to rim of baffle.
8. Finally tighten M6 nut to secure baffle and retainer springs to fuel tank stud L (Do not over-tighten.)
9. Connect fuel feed pipe to pump and fit pump assembly to tank.

Fig. 5



Labor Operation No. 21009 Time - .7

Please update the Suggested Repair Times Manual with the new time.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-31-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: LOCKS/KEYS - DOOR, IGNITION, STORAGE COMPARTMENT

To provide a common key for door lock, storage compartment and ignition as of V.I.N. 4188, a new lock/key system has been introduced.

In the event that a lock replacement becomes necessary on earlier vehicles, the following procedure must be used for the installation of the door locks (see reverse).

New Tool Requirement: Jig (No. J33310)

In the event a new version door is installed on vehicles below V.I.N. 4200, both old door locks must be replaced with the new door locks.

Please inform all personnel concerned.

Lutz Feuerabendt
Warranty Manager

LF:ak

Also Refer to Parts Bulletin PI-02-12/81

The new tool J33310 must be ordered through:

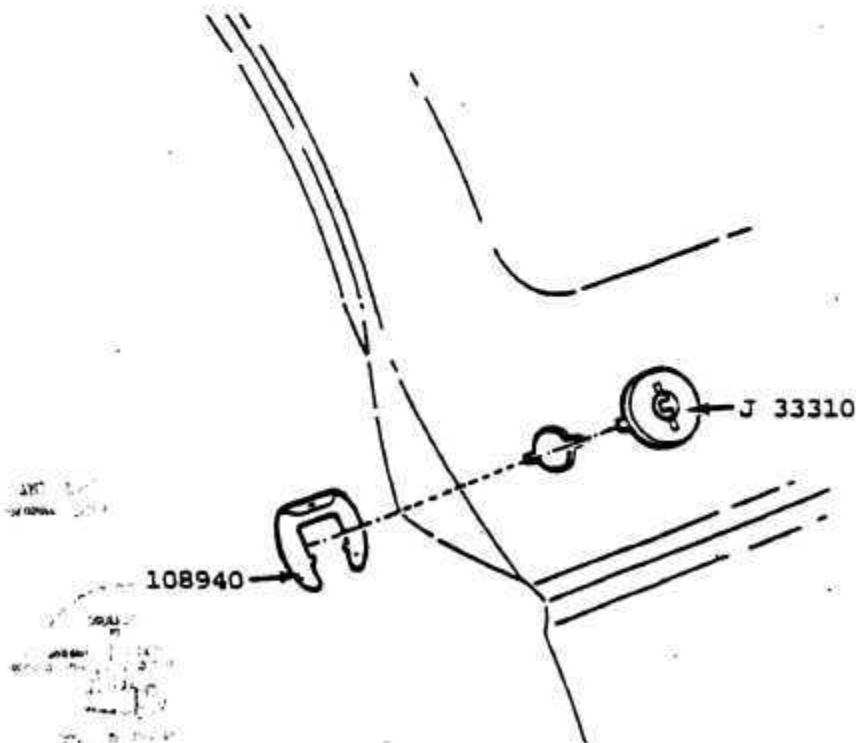
Kent Moore Tool Division
28784 Little Mack
Roseville, Michigan 48066
Tel. (313) 774-9500

Price: \$14.85

Issued 12/4/81

Installation Instructions

1. Remove door trim.
2. Disconnect rod from key lock.
3. Using a soft mallet and punch, gently tap door lock assembly until it aligns with slots on door panel and remove assembly from door.
4. Fit fixture tool to door lock opening hole and orientate jig by observing a stamping on the jig indicating "top" which has a 4mm slot at the top and 3mm slot at the bottom.
5. Secure fixing jig in door by pushing a retaining clip far into the jig thereby obstructing the filing slots.
6. Using a key file, carefully remove the steel obstructing the slots in the fixture jig.
7. Remove fixture jig and fit new lock seating washer and retaining clip.
8. Reconnect door locking rod and check operation using key and replace door trim.





DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-32-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

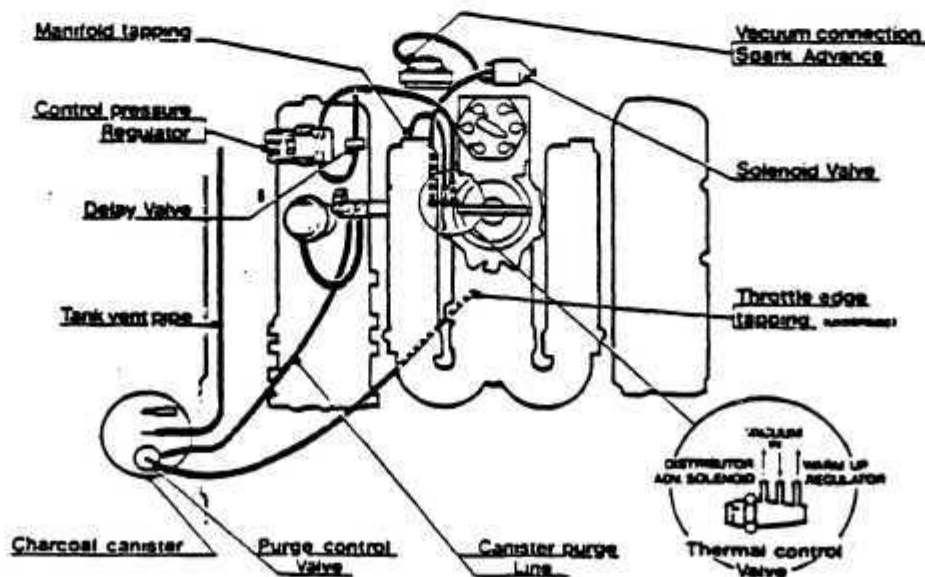
SUBJECT: ENGINE PERFORMANCE

In the event of a poor engine performance complaint, as one of the initial steps the proper connections of the engine vacuum hoses should be checked as per the diagram below.

Since the connections at the thermal control valve (located under the intake manifold) are not visible, the following quick test should be made to verify correct connections of the hoses.

Explanation: When the engine is cold, the thermal control valve directs vacuum to the control pressure regulator. After the engine is warmed up, the thermal control valve then shuts off vacuum to the control pressure regulator and directs vacuum to the distributor advance solenoid.

To Check: For proper hose routing at the valve, check to see if vacuum is present at the control pressure regulator upon cold initial start-up at idle. Then, after vehicle warms up, check to see if vacuum exists at the distributor advance solenoid.



Please inform all personnel accordingly.

Lutz Feuerabendt
Lutz Feuerabendt
Technical Service Manager

Issued 12/4/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-33-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: WATER LEAKS - BODY

Water leaks into the interior of the vehicle body may be difficult to diagnose, and the following main points must be considered when a water leak occurs.

Does the leak occur with the vehicle in motion or standing still?

With the vehicle in motion, a water leak in the interior may be related to a much lower or distant entry point on the exterior due to the fact that a lower air pressure may exist in the interior rather than the exterior of the vehicle and equalized airflow may transport water to distant exit points in the interior. Splash water from the wheels may have an outside entry on the underside of the vehicle. Water leaks that occur with the vehicle standing still usually appear at a lower point in the interior.

Tilt of Vehicle

Some leaks may occur only with the vehicle in a tilted position causing designed drains to back up especially if large amounts of water are involved.

High Water Pressure

During washing or windstorms high water pressure may force water through seals and crevices or cause drains to back up and overflow.

Drains

Certain vehicle areas have designed drains to direct water to the outside. For example, drains are found on the bottom of the doors or around the door openings of the body to allow water that entered at the window lip seals, which due to their function cannot provide a full seal, to escape to the outside. Water entering through the gap of the doors is drained to the outside. Due to their function, all drains must be free of obstruction and seals (watertight) from the rest of the body.

Sealing

The joints of the body panels, windows, ducts, and cable passages are sealed in areas where water entering at these points would drain to the inside.

Continued...

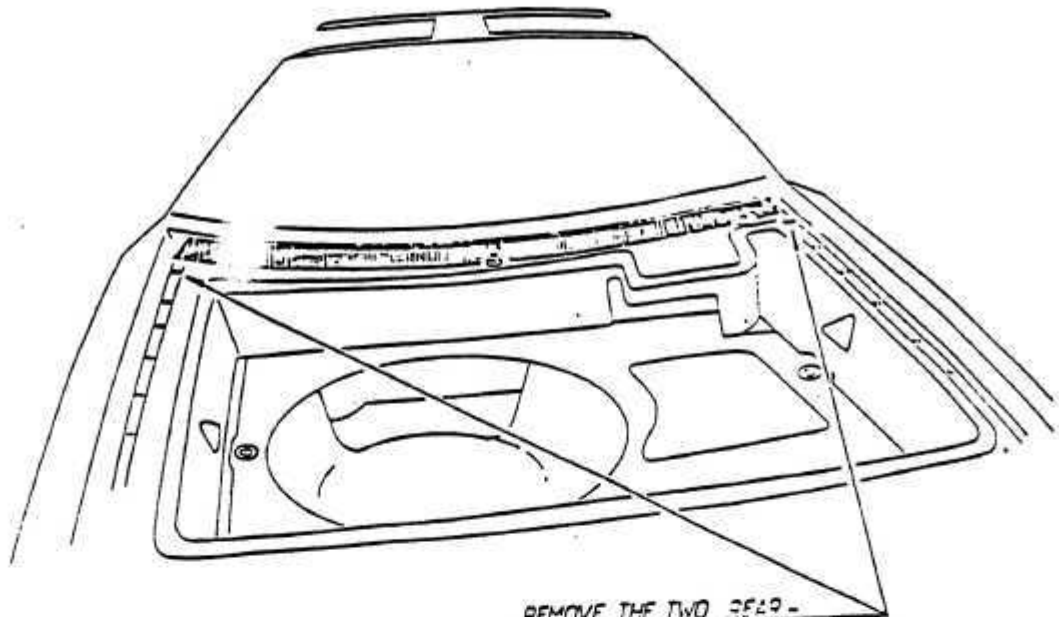
Page 2

The attachment to this bulletin identifies sealed joints of the DMC vehicle body.

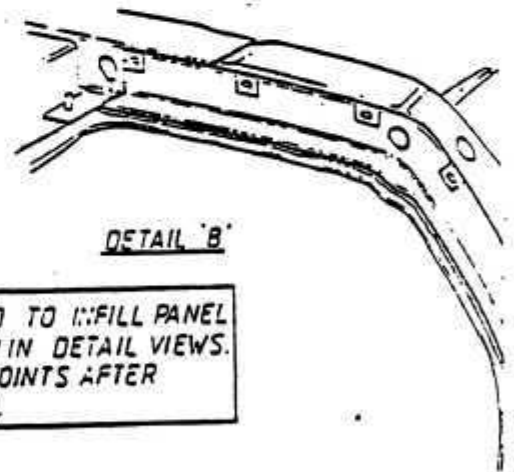
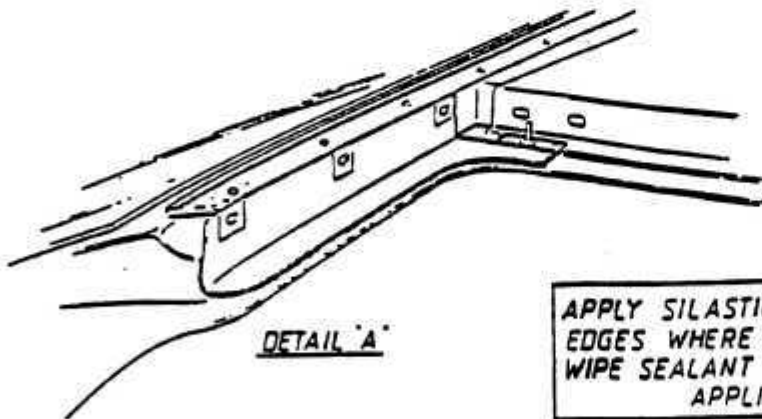
e d Charles

WAC: ak

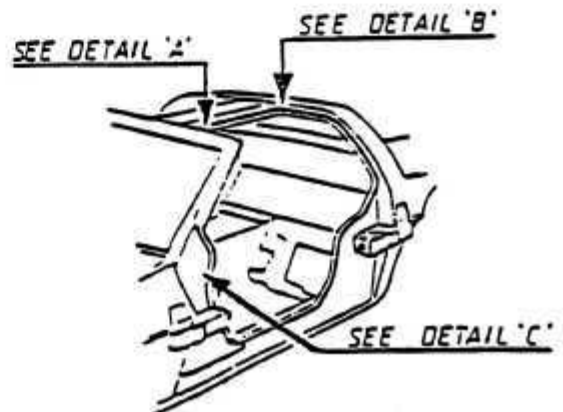
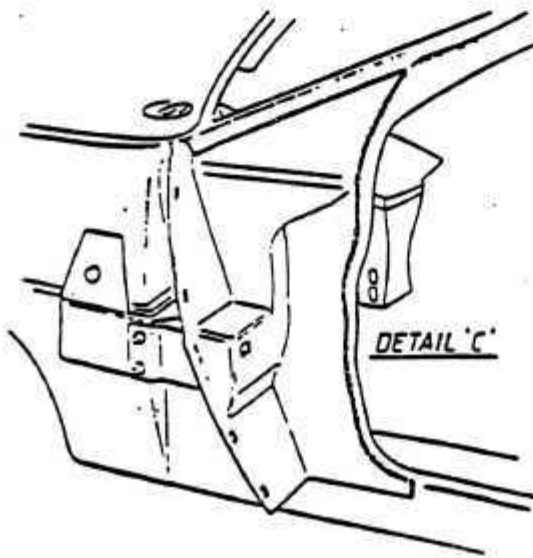
Attachment

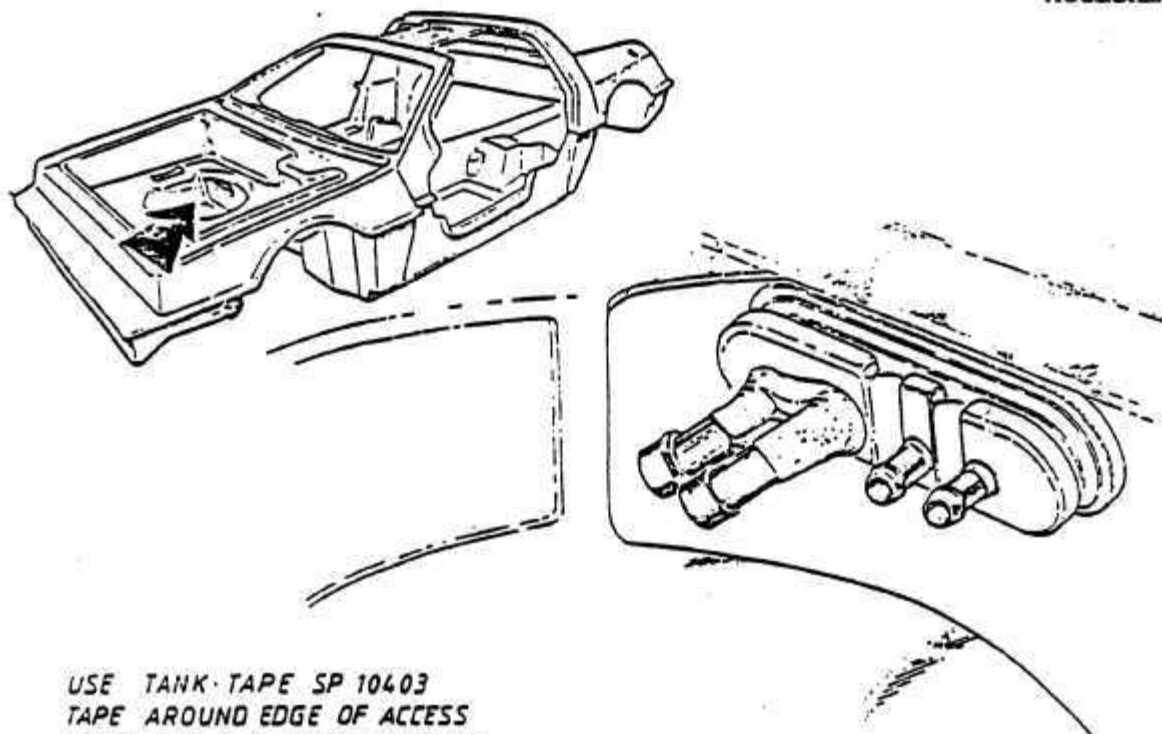


REMOVE THE TWO 3/4" -
MOST ATTACHMENT BOLTS OF
FRONT FENDERS & PLUG RIVNUT
WITH SILASTIC & REFIT ATTACHMENT BOLTS

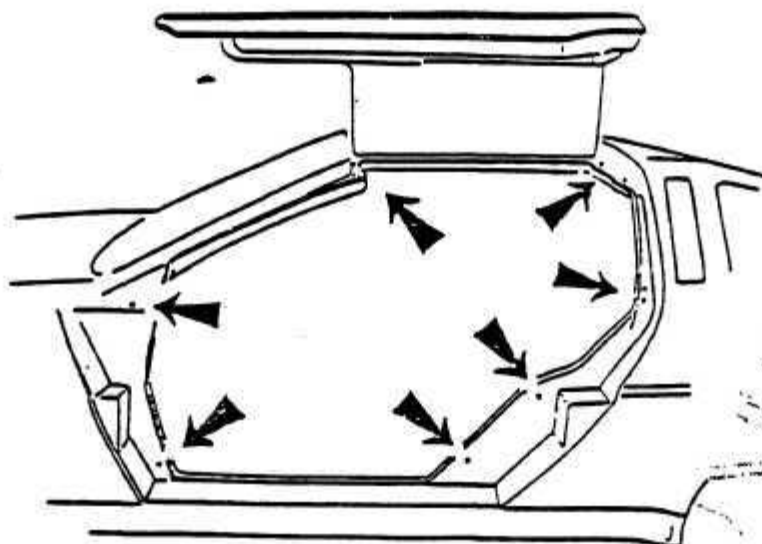


APPLY SILASTIC BEAD TO INFILL PANEL
EDGES WHERE SHOWN IN DETAIL VIEWS.
WIPE SEALANT INTO JOINTS AFTER
APPLICATION.





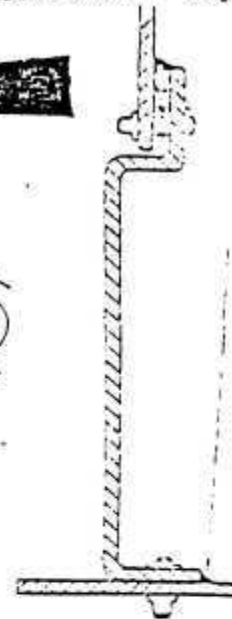
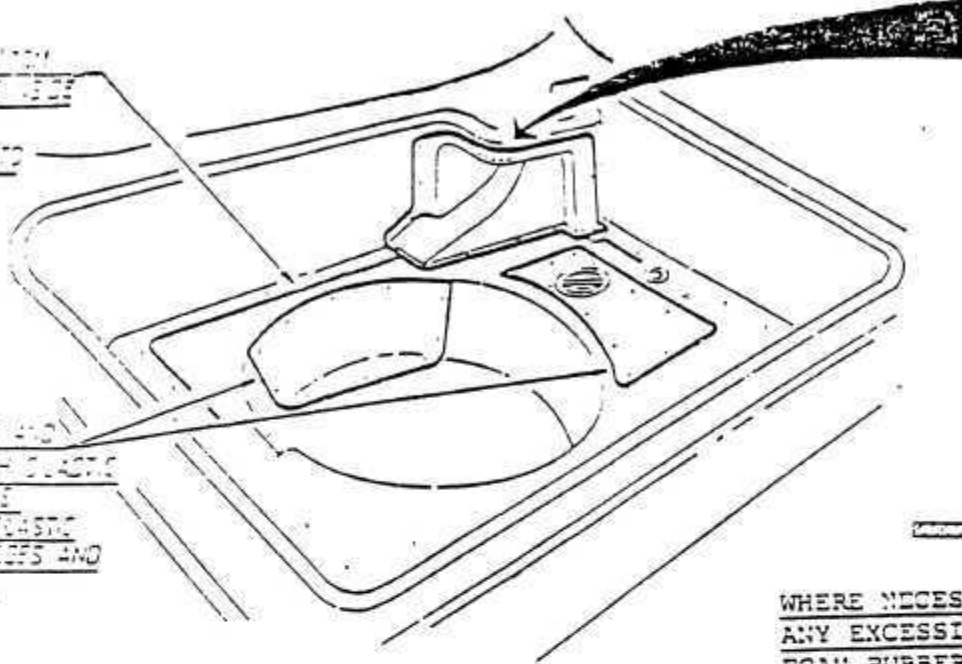
USE TANK TAPE SP 10403
TAPE AROUND EDGE OF ACCESS
HOLE FOR A.C. PIPES LEAVING
SUFFICIENT SLACK BETWEEN
PIPES TO ALLOW TAPE TO BE
PUSHED THROUGH AND STUCK
TO ITSELF. PRESS TAPE FIRMLY
AROUND PIPES.



REMOVE SELF TAPPERS FROM INFILL PANELS
AND SEAL HOLES WITH SILASTIC REFT SCREWS

SEAL TOP TO BOTTOM
PEDAL BOX AND FLOOR
FLOOR AREA
W/RTV SILASTIC AND
WIRE LINE

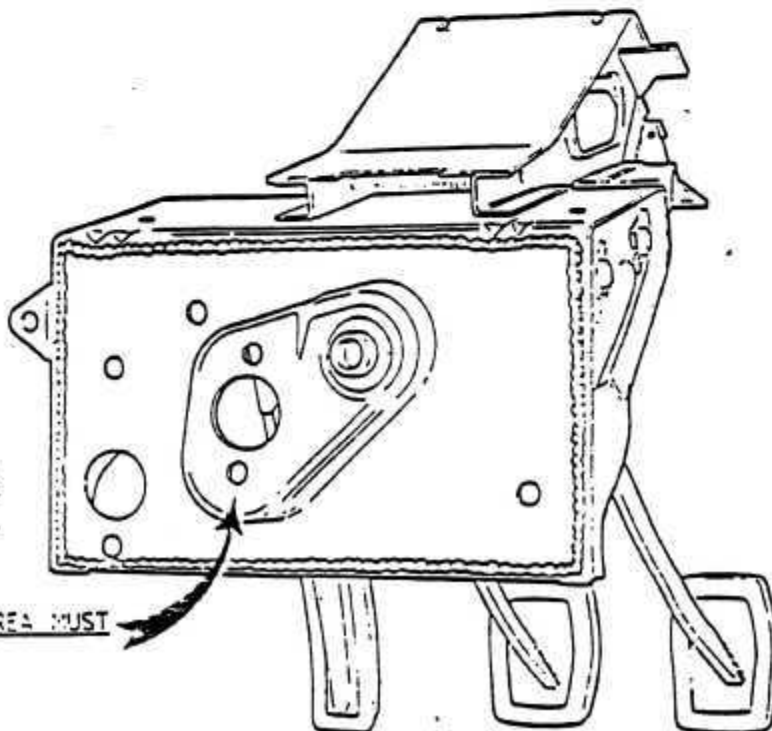
REMOVE EXCESSIVE AND
FILL GAPS WITH ELASTIC
AND FORTH OFFLINE
APPLY BEAD OF ELASTIC
AROUND PANEL EDGES AND
W/RTV SILASTIC

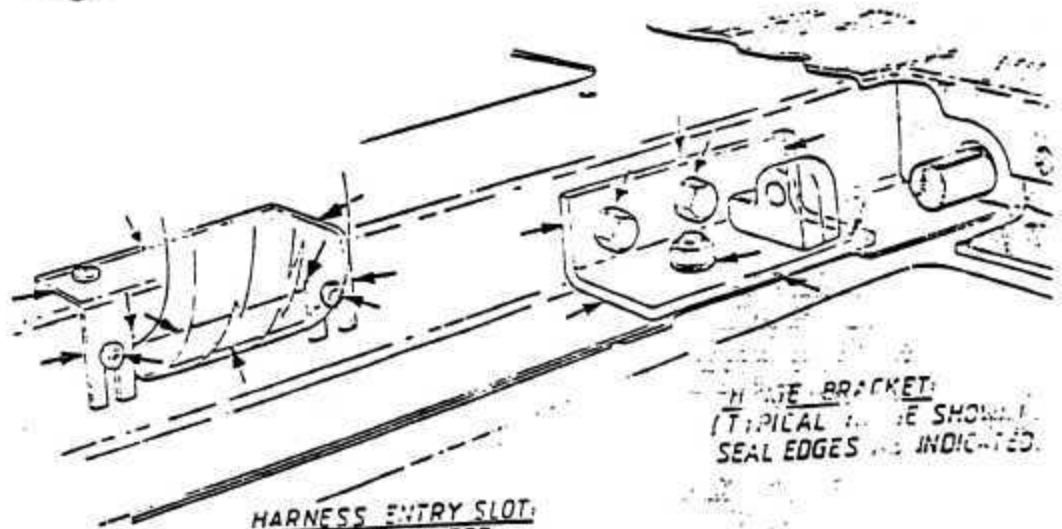
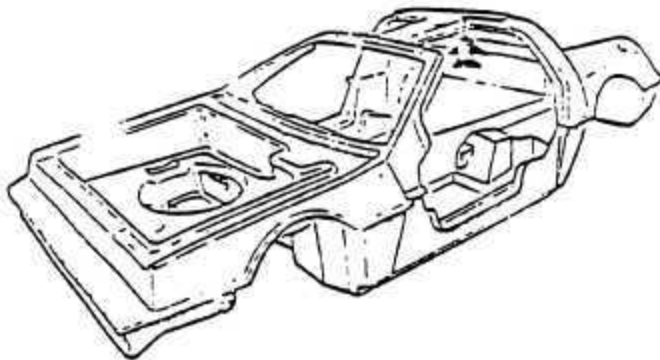
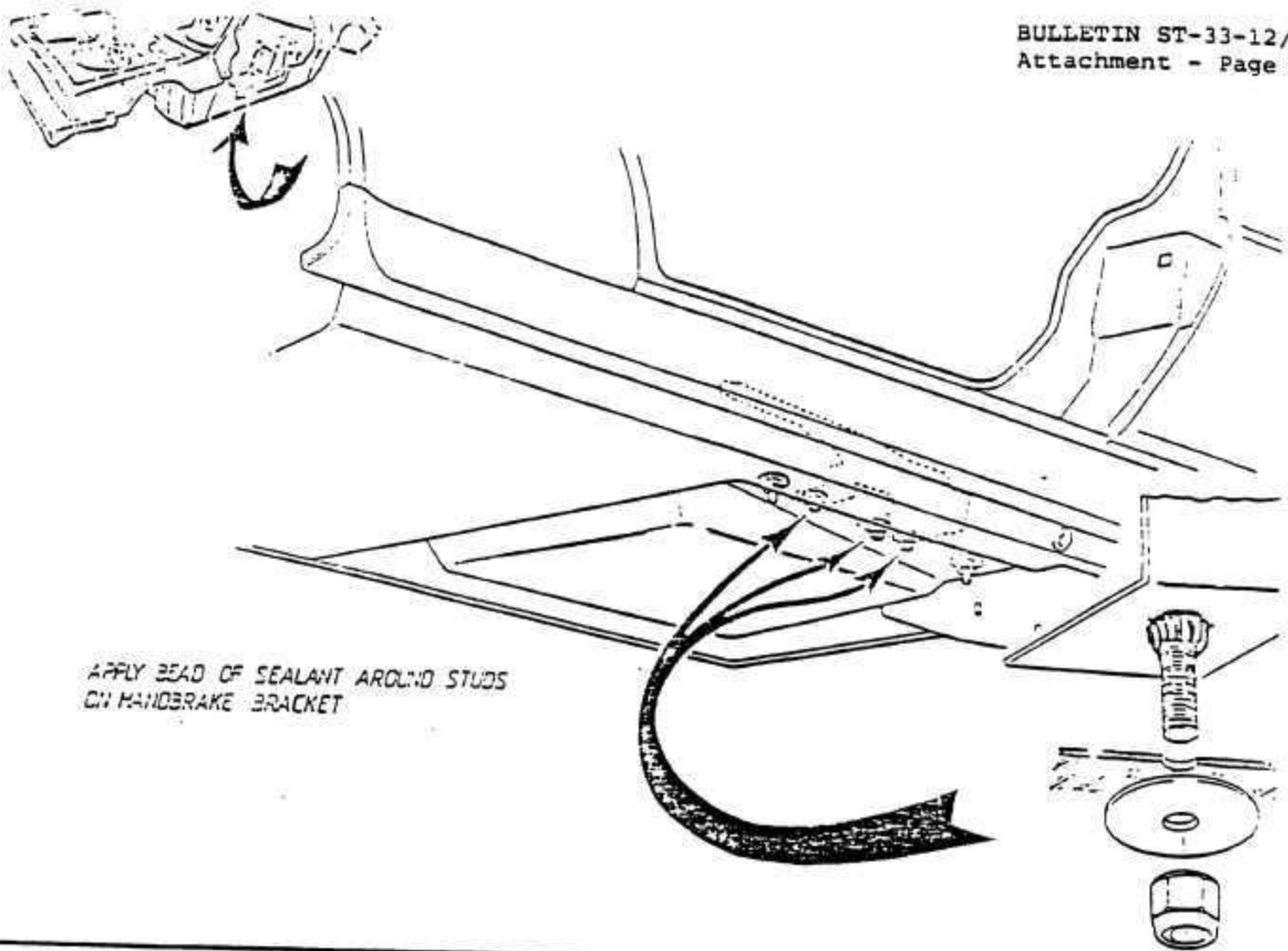


WHERE NECESSARY FILL
ANY EXCESSIVE GAPS WITH
FOAM RUBBER STRIPS
BEFORE SEALING WITH A
BEAD OF SILASTIC

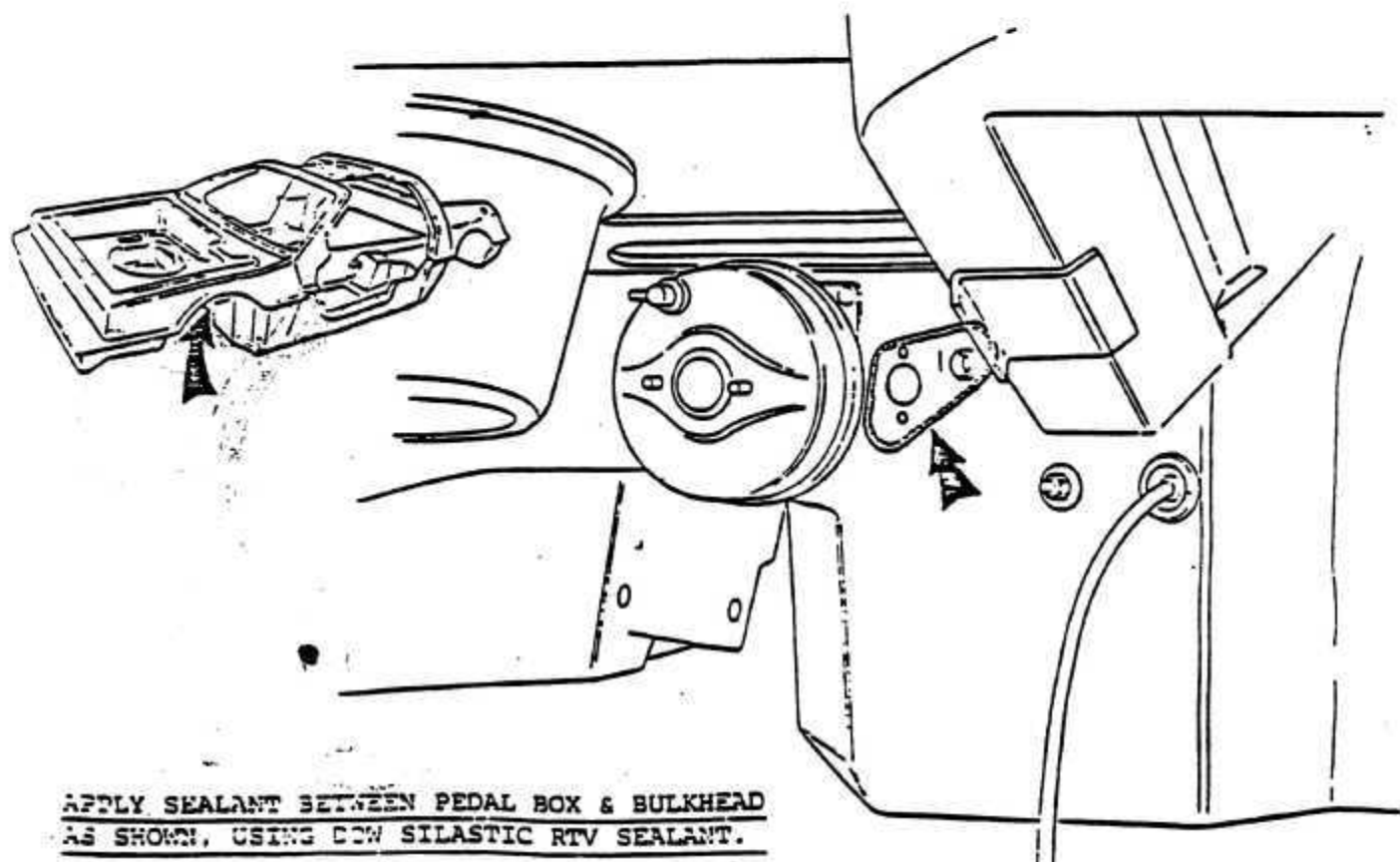
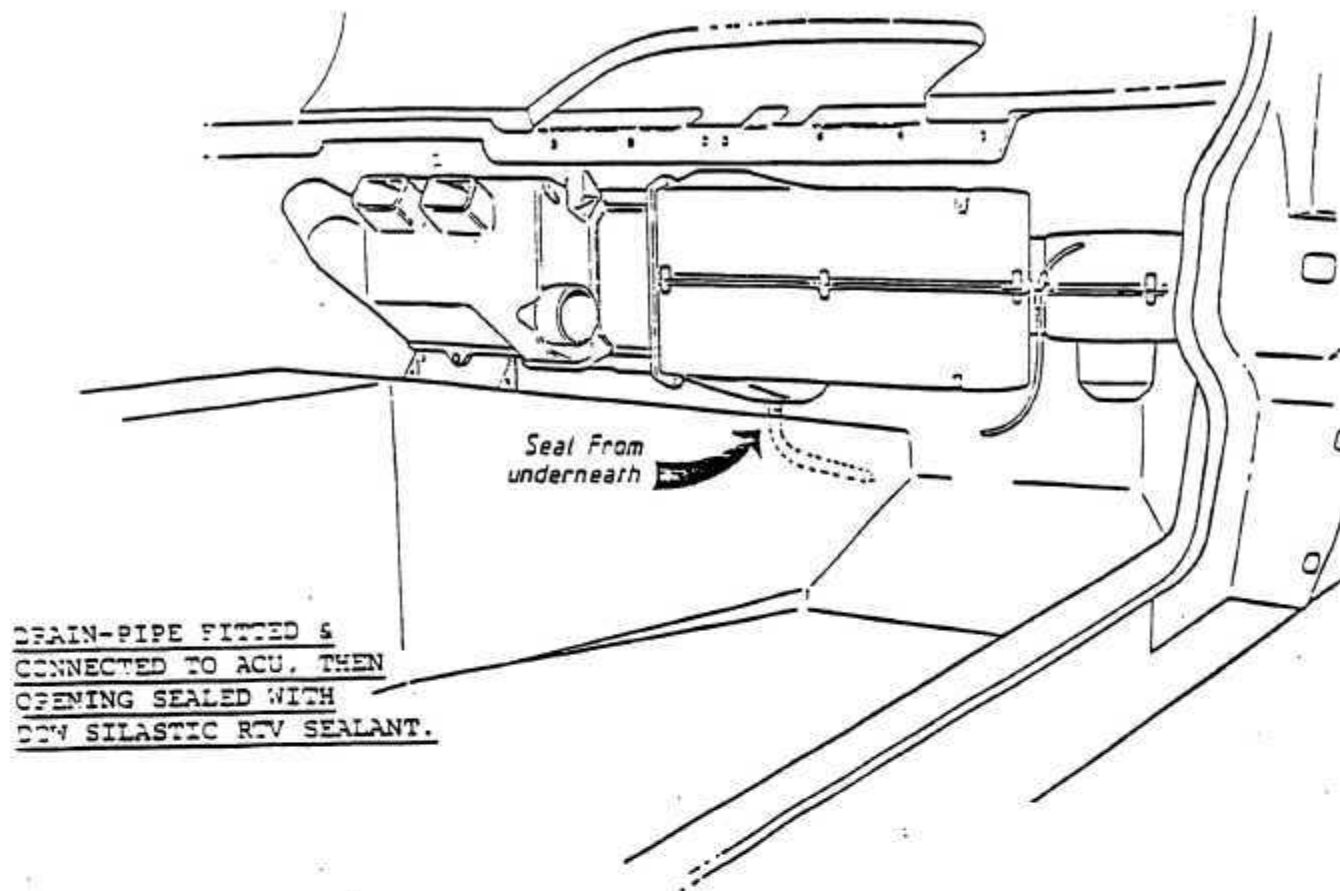
SEAL MATING FACE OF PEDAL
BOX WITH BEAD OF SEALANT
IMMEDIATELY BEFORE MOUNTING
TO CAR, USING DOW SILASTIC
RTV SEALANT.

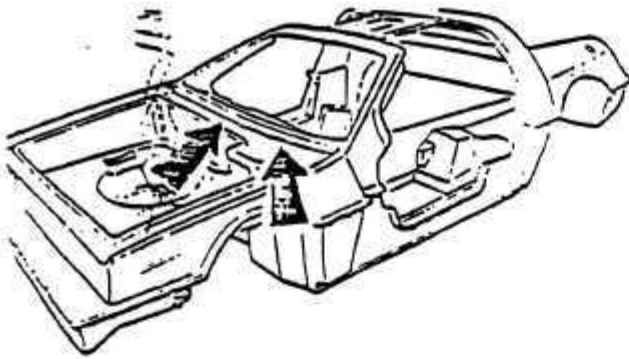
CLUTCH CYLINDER MOUNTING AREA MUST
BE KEPT FREE OF SEALANT





NOTE:
THE HINGE BAR, HINGE AND
DOOR EDGES MUST BE
FITTED





APPLY SILASTIC BEAD TO BODY
AROUND WIPER STEM - FIT RUBBER
WASHER - APPLY SECOND BEAD OF
SILASTIC TO WASHER - ASSEMBLE
AS NORMAL



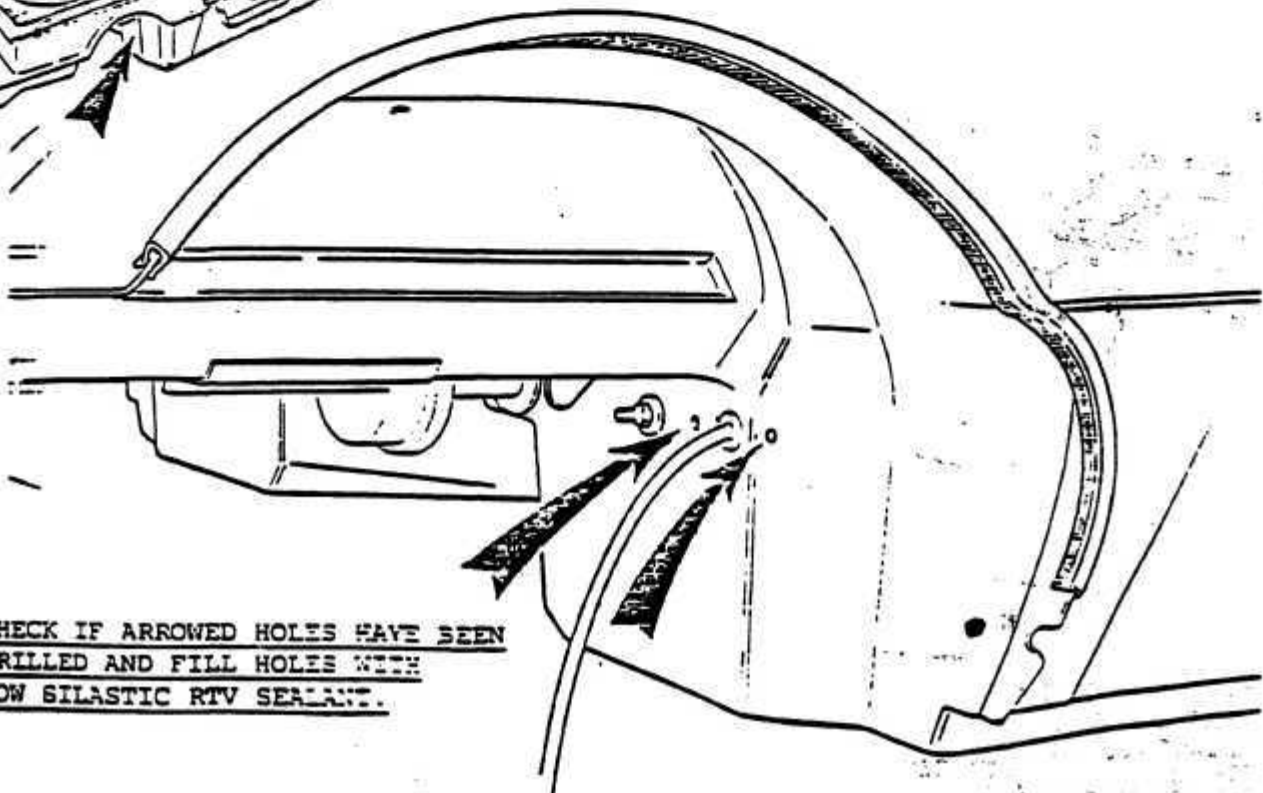
2nd SEALANT BEAD APPLIED AROUND HERE
AFTER FITTING RUBBER WASHER IN PLACE



1st SEALANT BEAD APPLIED
AROUND HERE BEFORE FITTING
RUBBER WASHER IN PLACE.

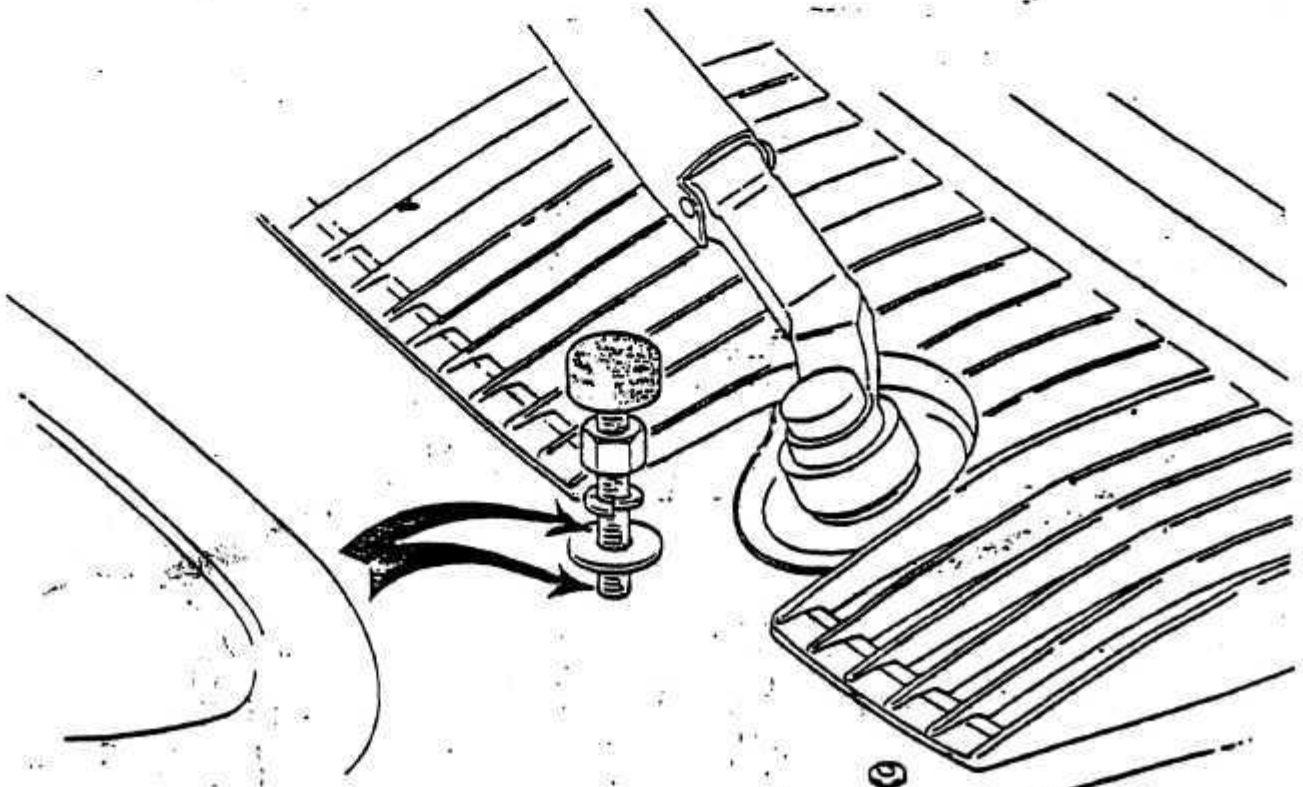
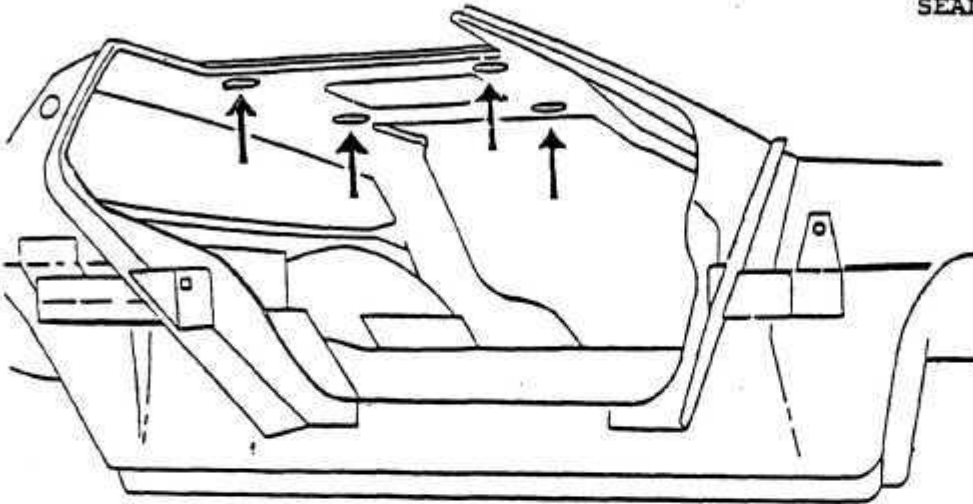


CHECK IF ARROWED HOLES HAVE BEEN
DRILLED AND FILL HOLES WITH
DOW SILASTIC RTV SEALANT.



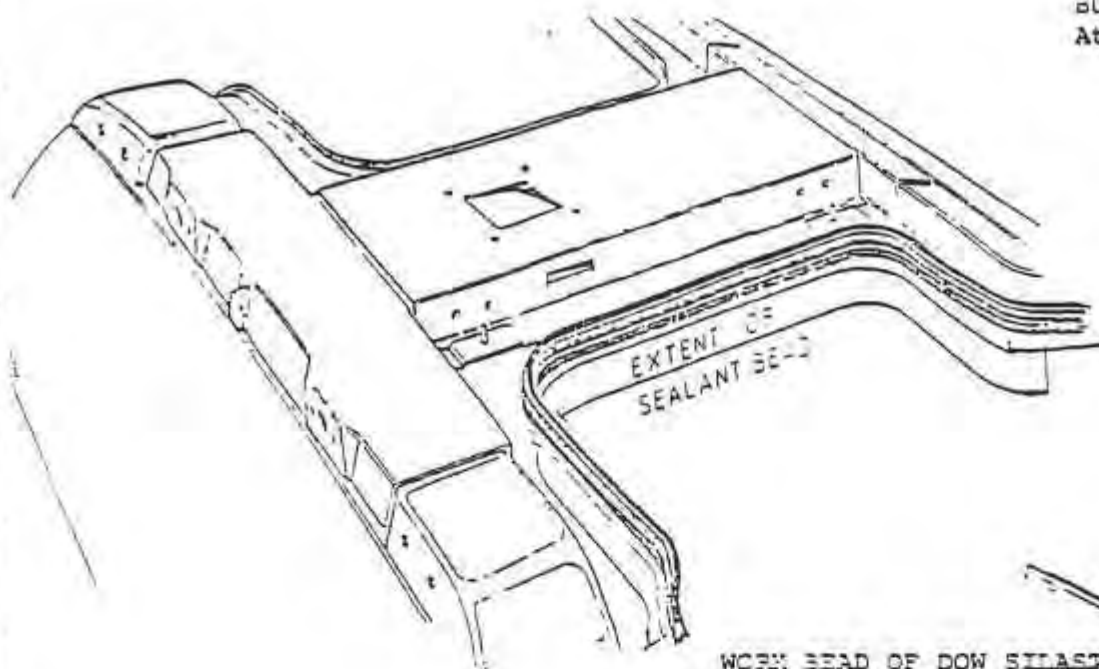


FOUR OFF BIG HEAD BOLTS
IN ROOF AREA SEALED AS
SHOWN WITH DOW SILASTIC RTV
SEALANT.

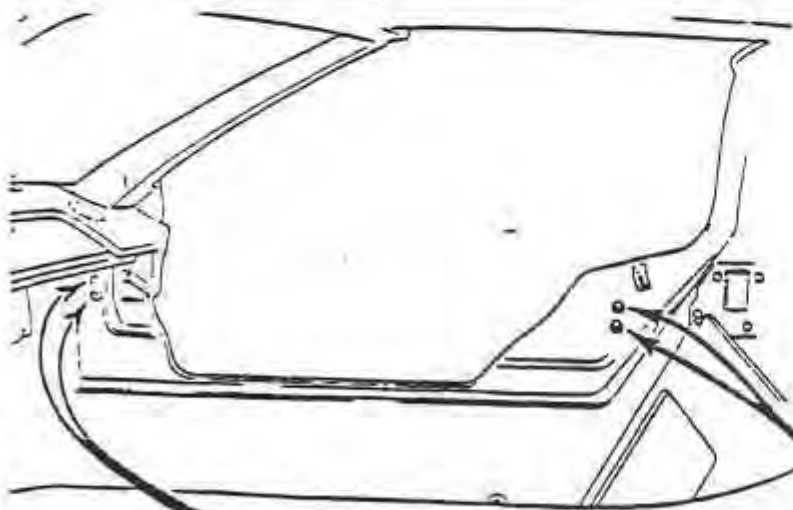


HOOD BUMP STOPS :
UNSCREW TOP NUT, LIFT WASHER & APPLY BLACK SILASTIC
SEALANT ABOVE AND BELOW THE WASHER. RETIGHTEN THE
TOP NUT. WIPE OFF EXCESS SEALANT.
THE ADJUSTMENT OF THE BUMP STOP MUST NOT BE UPSET,
AS THE BOTTOM NUT IS LOCATED ON

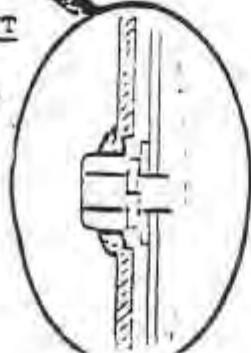




WORK BEAD OF DOW SILASTIC
RTV INTO PRIMARY SEAL/BODY
FLANGE EXTERIOR JOINT. EXTENT
OF APPLICATION SHOWN ABOVE.

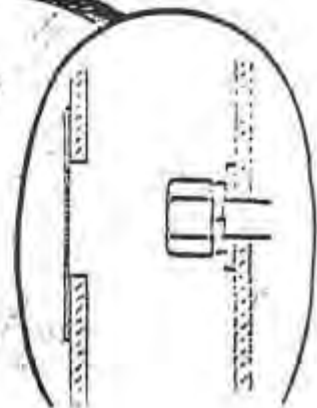


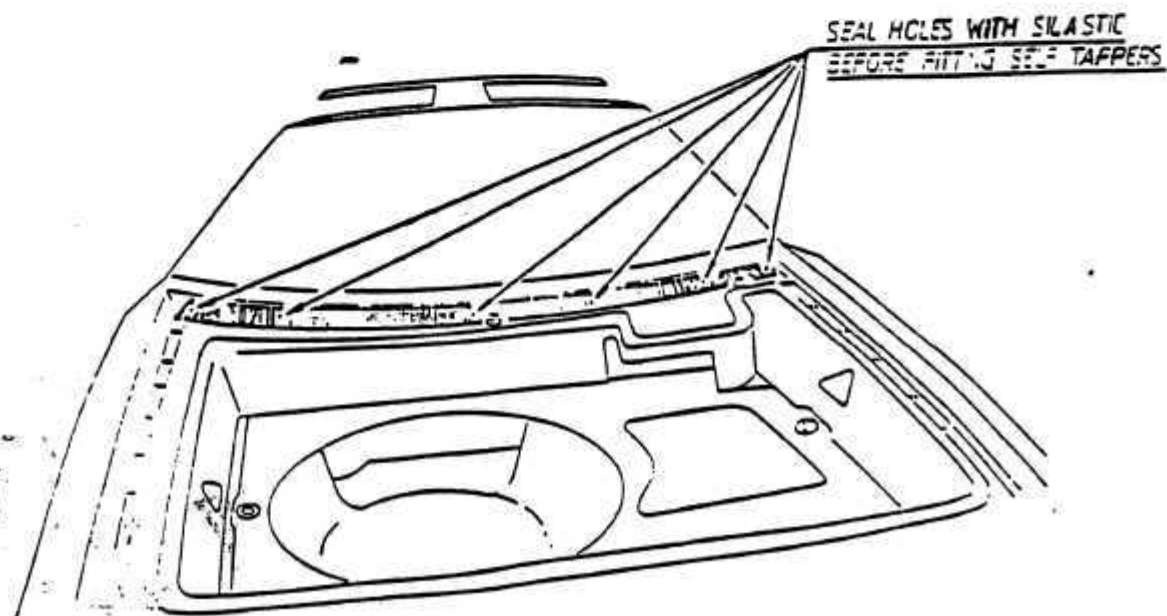
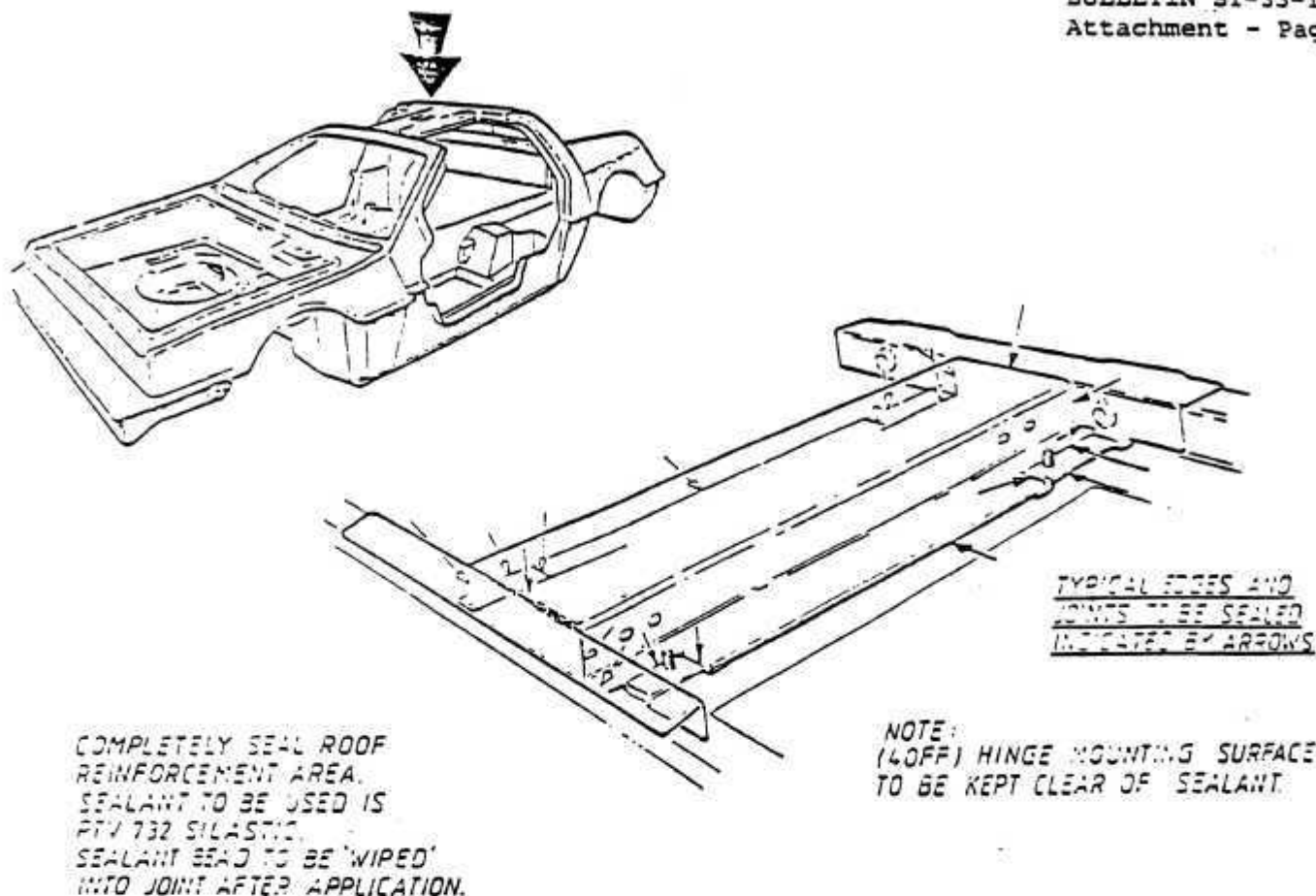
ACCESS HOLES IN FRONT
RECESS PANEL AREA:
APPLY SEALANT AROUND
BOLT HEADS, USING
DOW SILASTIC RTV
SEALANT.

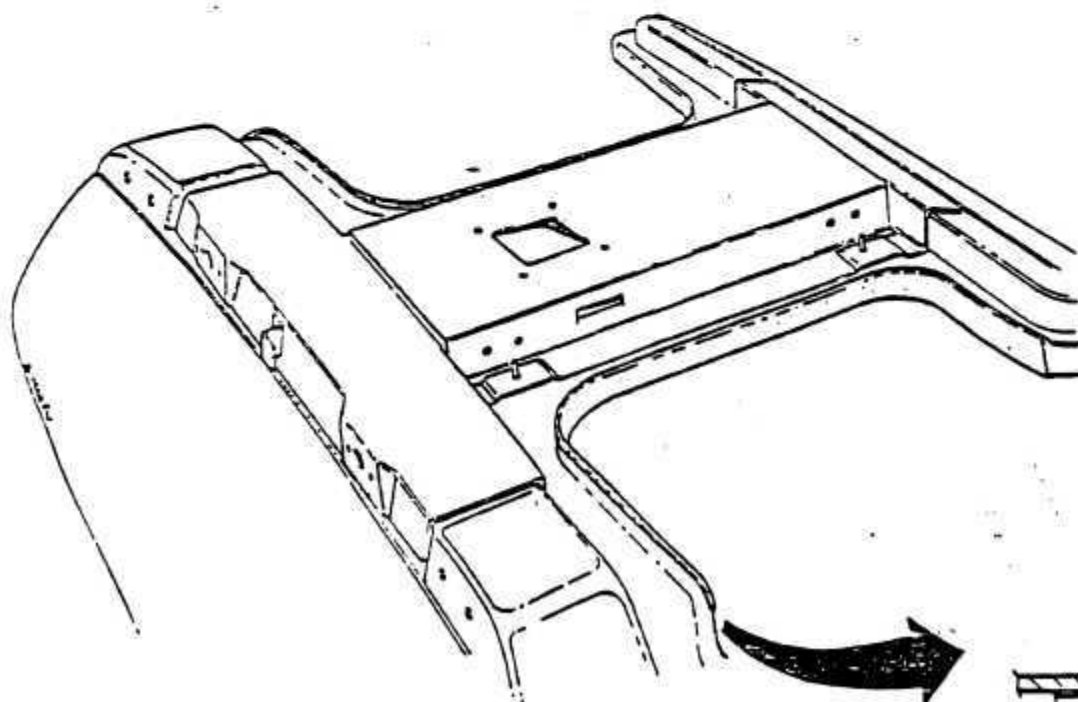
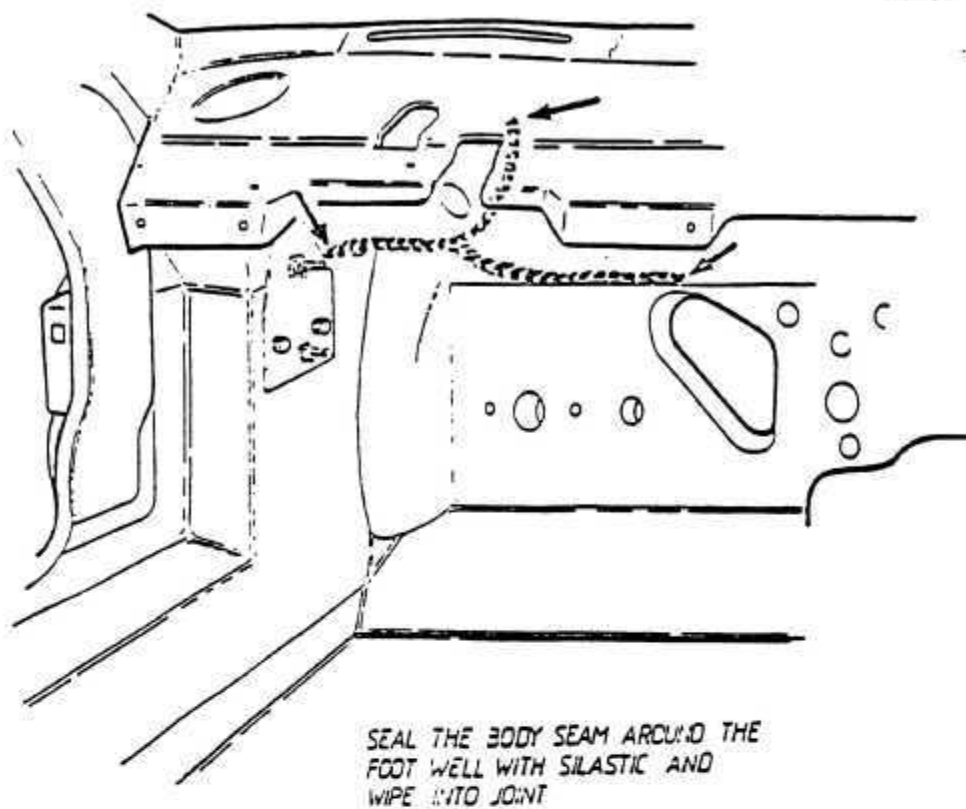


ACCESS HOLES IN REAR RECESS
PANELS

TAPE OVER ACCESS HOLES
USING TAPE SP 10403







TYPICAL SECTION
THRU FLANGE

HEADLINING TRIM MATERIAL TO BE
CUT BACK AS FAR AS POSSIBLE



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-34-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SUSPENSION ALIGNMENT - FRONT AND REAR

Attached to this bulletin are the alignment checking and setting procedures for De Lorean front and rear suspensions.

It is important to note that the vehicle setting height must be attained prior to checking or adjusting the suspension.

Please inform all personnel concerned.

A handwritten signature in cursive script, reading "W. A. Charles".

William A. Charles
Director, Service/Parts

WAC:mtc

Attachment



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-34-1/82

Revised to replace ST-34-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DEALERS/SERVICE MANAGERS

SUBJECT: SUSPENSION ALIGNMENT - FRONT AND REAR

This bulletin supersedes Bulletin No. ST-34-12/81.

Attached to this bulletin are the alignment checking and setting procedures for the De Lorean front and rear suspensions.

It is important to note that the vehicle setting height must be attained prior to checking or adjusting the suspension.

Please inform all personnel concerned.

A handwritten signature in dark ink, appearing to read "Doyle J. Potter".

Doyle J. Potter
National Service/Parts
Training Manager

DJP:mtc

Attachment

Issued 1/22/82

Wheel Alignment

1. Check front wheels for rim run out. Maximum tolerance is .406 mm (.016 inch).
2. Check tire pressures. See specifications.
3. Check and ensure no abnormal wear in steering joints/suspension.
4. Place vehicle on flat surface.
5. Check and, if necessary, adjust setting height 140 mm (5.5 inches). Figure 1. This measurement must be taken from the center of the front crossmember.

NOTE: It may be necessary to lift the front of the vehicle or load the luggage compartment to obtain the specified setting height.

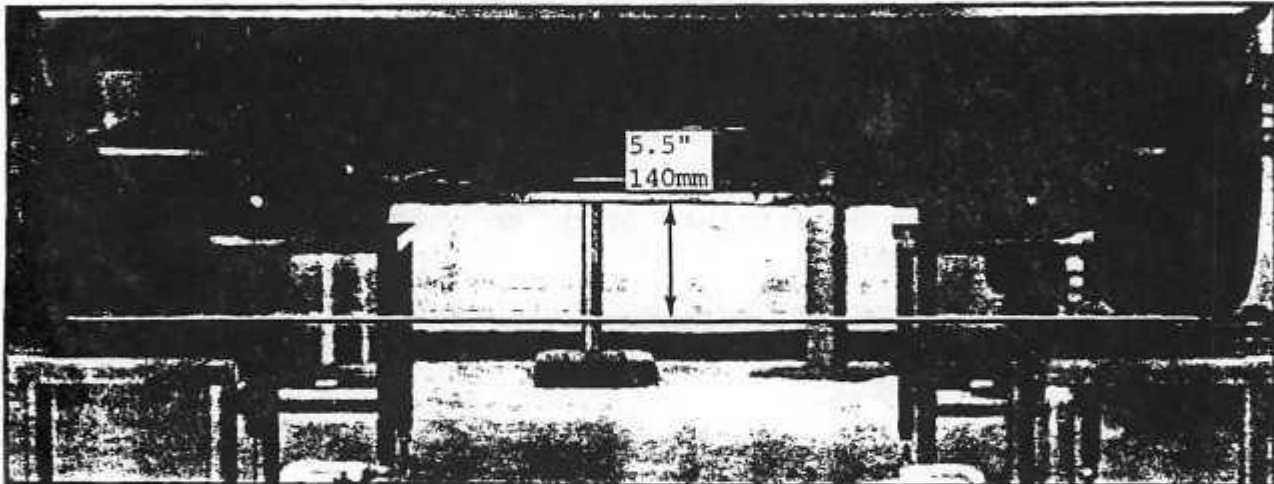


FIGURE 1

6. Proceed with wheel alignment per the directions of the manufacturer of the alignment equipment used.

NOTE: Where equipment directions indicate to jounce the suspension, substitute with, check and ensure specified setting height is maintained.

Alignment Specifications - Front

Toe-In	3 mm (0.12 inch) per wheel
Caster Angle	3-1/2° to 4° positive non-adjustable
Camber Angle	0° to 1/2° Negative
King Pin Inclination	6° ± 1/2° - 0° non-adjustable

NOTE: If caster, camber and king pin inclination do not fall within the specified tolerances, check suspension components for damage.

Alignment Specifications - Rear

Toe-In 3 mm (0.12 inch) per wheel
Camber 1/4° to 3/4° negative and non-adjustable

NOTE: If camber specifications do not fall within the specified tolerance, check for damaged suspension components.

Adjusting Toe-In

1. Remove trailing arm shields.
2. Loosen trailing arm pivot bolt "A". FIGURE 4.
3. Remove or add the required amount of shims (Part No. 106680) to obtain the specified tolerance.

NOTE: 1 shim = 1.1° (1/16 inch)

4. Torque trailing arm pivot bolt "A" to 75 NM (55 ft. lbs.). (See Fig. 4)
5. Check adjustment.

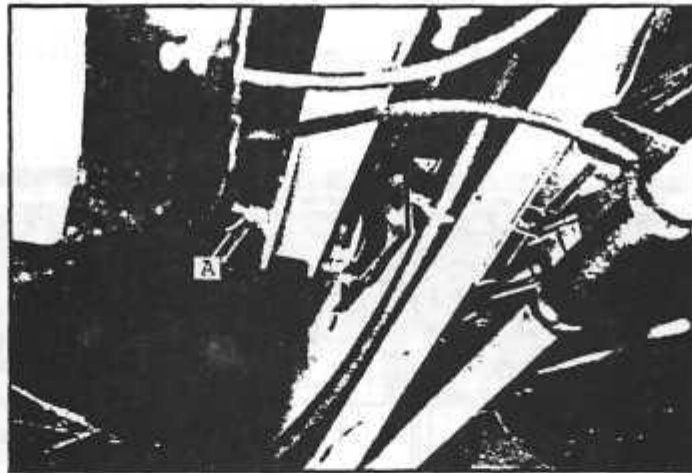


FIGURE 4

Conversion Table

Fractional Inches/Decimal Degrees

1/32 = .06°	5/32 = .32°	9/32 = .58°	13/32 = .83°
1/16 = .13°	3/16 = .38°	5/16 = .64°	7/16 = .90°
3/32 = .19°	7/32 = .45°	11/32 = .70°	15/32 = .96°
1/8 = .26°	1/4 = .51°	3/8 = .77°	1/2 = 1.02°

Adjusting Toe-In

Loosen clamp securing steering rack boot to the tie-rod.

Holding tie-rod end "A" firmly with wrench, unlock locknut "B".

Using vise grips, rotate steering rod "C" to obtain specified adjustment. FIGURE 2

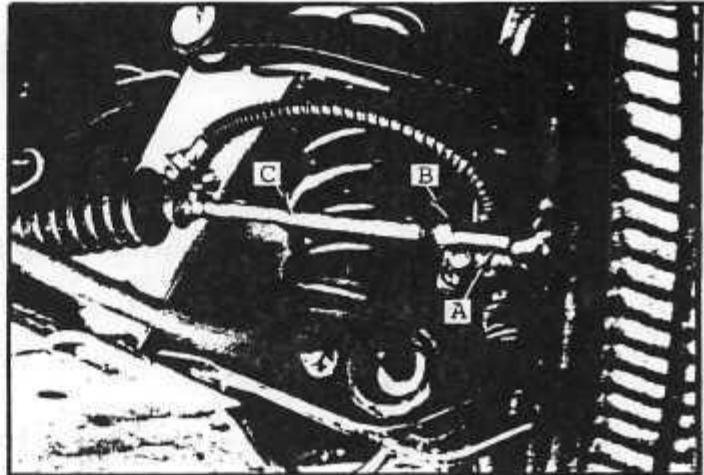


FIGURE 2

NOTE: It is important to adjust both sides equally ensuring that the same number of threads are exposed.

Torque the tie rod lock nuts to 36 NM (26 ft lbs.).

Retighten boot clamp.

Alignment - Rear Wheels

Follow Steps 1 through 4 of Front Wheel Alignment procedures.

5. Check and, if necessary, adjust setting height 140 mm (5.5 inches) at the center of the engine support cross member (See Fig. 3).

NOTE: It may be necessary to lift the rear of the vehicle or load the vehicle to obtain the specified setting height.

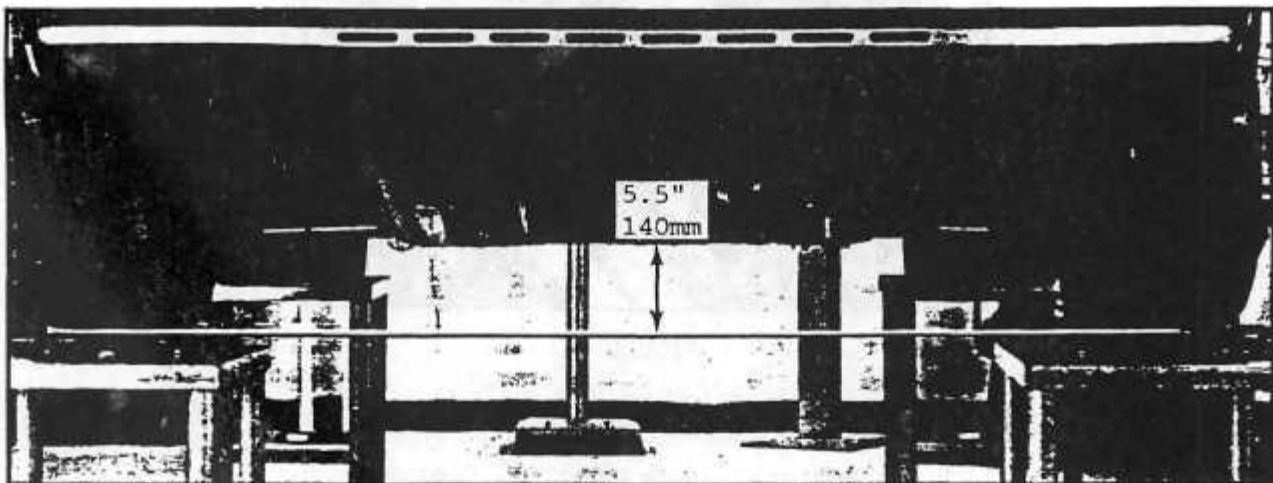


FIGURE 3

6. Proceed with wheel alignment per directions of manufacturers of alignment equipment used.

NOTE: Where equipment directions indicate to jounce the suspension, substitute with, and ensure specified setting height is maintained.



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-36-12/81

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: TECHNICAL SERVICE MANUAL

Enclosed with this bulletin is your complimentary copy of the Technical Service Manual Binder, divider index and Section 4:5, Automatic Transmission/Final Drive.

Please note and correct the following printing errors.

Page 4:5-7 Governor Control Cable Adjustment Step 4

Reads: between the quadrant arms and the 0.3-0.5mm
(.012-.020 inch)

Should Read: between the quadrant arm and the stop peg (E) /
clearance should be: 0.3-0.5mm (.012-0.20 inch)

Page 4:5-25 Figure 4:5-52 Clutch C-1

Reads: Tool B.VI. 711

Should Read: Tool J29351
Due to production change of C-1 clutch housing,
B.VI. 711 is no longer applicable. Tool J29351
is available from Kent-Moore Tools.

Page 4:5-37 Figure 4:5-78

Reads: J-28866
There is no essential tool number for the puller
shown. Use any suitable puller when removing
carrier bearing.

Page 4:5-19 Figure 4:5-42 Transmission End Play Adjustment

Reads: Needle
Needle Bearing
(Needle Down)

Should Read: Needle Bearing
(Needle Up)

Issued 12/30/81

Page 4:5-20

Step j

Example

Reads: 74.33mm
-74.10mm

.23mm

Should Read: 74.33mm
- .23mm

74.10mm

Remaining sections of the Technical Service Manual are in process and will be issued as they are completed.

Please inform all personnel concerned.



Doyle Potter
National Training Manager

DP:mc

Enclosures



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER ST-01-1/82

CATEGORY: TECHNICAL

ATTENTION: ALL DEALERS/SERVICE MANAGERS

SUBJECT: FRAME DIMENSIONS AND REFERENCE POINTS

In the event a De Lorean is involved in a collision, the following frame dimensions are provided to assist in determining the extent of frame damage.

Please inform all personnel concerned.

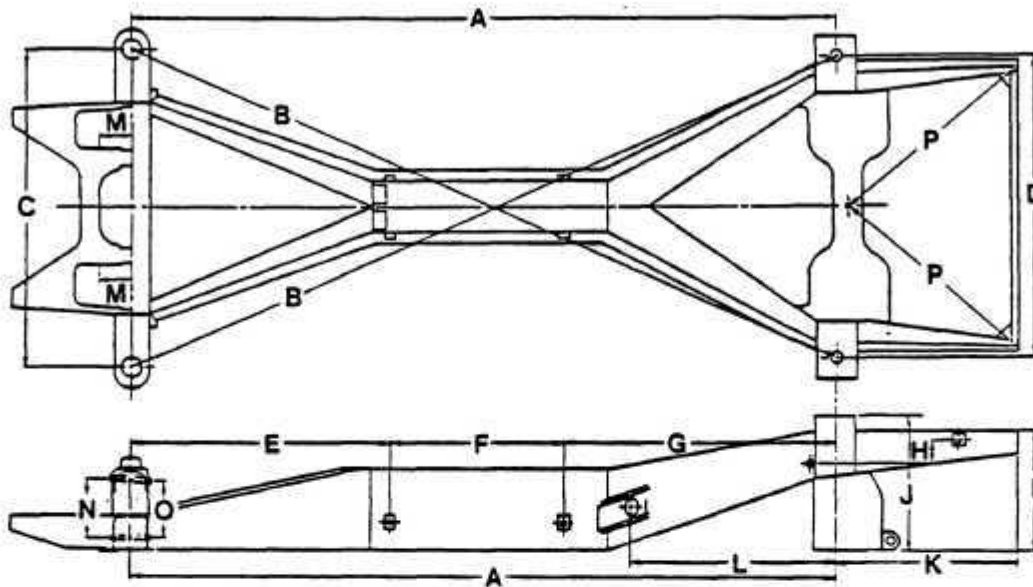
A handwritten signature in cursive script, reading "Doyle J. Potter".

Doyle J. Potter
National Service/Parts
Training Manager

DJP:mtc

(over)

Issued 1/22/82



FRAME DIMENSION REFERENCE POINTS

ALL BODY MOUNTS = CENTER POINT

A	2552.0mm (100.47 in.)	Front suspension tower center to rear suspension tower center.
B	2777.0mm (109.33 in.)	Suspension towers diagonal dimension (at shock absorbers upper mountings).
C	1105.0mm (43.62 in.)	Front shock absorbers upper mounting centers.
D	1060.0mm (41.73 in.)	Rear shock absorbers upper mounting centers.
E	941.0mm (37.05 in.)	Front shock absorber upper mounting to #2 body mount.
F	635.0mm (25.0 in.)	#2 body mount to #3 body mount.
G	976.0mm (38.45 in.)	#3 body mount to rear shock absorber upper mounting.
H	85.0mm (3.35 in.)	Rear upper link inner mounting to #4 body mount.
I	436.0mm (17.17 in.)	Datum base line to top of rear frame extension.
J	484.0mm (19.05 in.)	Datum base line to top of rear suspension tower.
K	644.0mm (25.35 in.)	Center line of rear suspension tower (at shock upper mounting) to rear of frame.
L	729.1mm (28.70 in.)	Center line of trailing arm pivot to center line of rear suspension tower (at shock upper mounting). NOTE: To be measured along datum base line.
M	118.0mm (4.64 in.)	Front suspension cross member center line to steering rack rear mounting holes.
N	207.9mm (8.18 in.)	Pivot upper control arm mounting to center line of lower control arm pivot mounting.
O	200.25mm (7.88 in.)	Upper control arm rear pivot mounting to center line of lower control arm pivot mounting.
P	760.0mm (29.92 in.)	Center line reference hole rear engine cross member to chassis rear extension.



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-02-2/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: PAINTING OF STAINLESS STEEL BODY PANELS

Much interest has been expressed recently in painting the stainless steel body panels of the De Lorean automobile. In an effort to assist our dealers, De Lorean Motor Company has obtained the paint procedures, including materials specifications, recommended by three major suppliers of automotive paints. These processes, according to the paint suppliers, have been tested and found acceptable by the companies involved. We will supply you with test data when available. Dealers are strongly advised to contact the local distributor or representative of the specific paint brand to be utilized before proceeding with any paint work. The local agents may be able to provide assistance, answer questions, and clarify what warranty, if any, may be available from each specific supplier.

While De Lorean Motor Company has test painted three vehicles which are very attractive, we have not yet completed adhesion or durability tests. De Lorean Motor Company therefore makes no specific recommendation with regard to the advisability of painting the stainless steel, or to the process and materials for such painting. In addition, De Lorean Motor Company does not offer a paint warranty, except as contained in the published new car warranty applying to those painted components which are standard on production vehicles. Consequential damage to dealer supplied paint resulting from the failure of a warranted component is not covered under the De Lorean warranty.

The attachments to this bulletin are the painting processes as described above.

continued

Road Wheels

Since the road wheels have a color coating that is impregnated into the surface as part of the heat treatment used to temper the alloy, with an epoxy clear coat applied over that, the adhesion of another color coat will be difficult to achieve even with careful preparation. Again, it is suggested that you consult with your local paint distributor before proceeding.

Front and Rear Facias

Facias may be refinished to match body colors applied. See our Service Bulletin ST-13-9/81, or consult your local paint distributor.



William A. Charles
Director, Service/Parts

WAC:ak

Attachments



COATING

The Sherwin-Williams Company
1550 So. Anaheim Blvd.
Anaheim, Calif. 92805

January 19, 1982

Dear Mr. Charles:

Per your request you will find our recommendation for Delorean-Stainless.

1. Detergent wash with QUICK SLICK Detergent solution, W4 K 290.
2. Solvent wipe with SHER-WILL-CLEAN, R7 K 156.
3. Apply 2 wet coats of Wash Primer, E2 G 973, per instructions.
4. Apply 2 or more medium coats of Ultra Fill Primer Surfacer.
5. Topcoat with Acrylic Lacquer.

If you have any questions or would like any assistance regarding this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "W. A. Patterson".
W. A. Patterson



RECEIVED

JAN 8 1982

PPG INDUSTRIES, INC./3800 WEST 143RD STREET/CLEVELAND, OHIO 44111/AREA 216/671-0050

Andrew R. Cooper, Technical Manager
Ditzler Automotive Finishes
Coatings and Resins Division

January 5, 1982

Doyle Potter
Technical Training Manager
2055 South East Main Street
Ervine, California 92714

In response to our phone conversation, I have outlined below the Ditzler painting system that will be presented to Mr. DeLorean. Panels representing the performance properties of this system are also being submitted.

1. Thoroughly clean surface to be painted with DX330 Wax and Grease Remover and Scotch-Brite pads.
2. Apply 2 full wet coats of DP40 Epoxy Chromate primer mixed with equal parts of DP401 Primer Catalyst. A flash time of 20-30 minutes between coats of primer is recommended.
3. After primer has air dried for 2 hours, apply 2 or 3 double coats of Deltron Acrylic Urethane color catalyzed and reduced per label instructions.
4. If desired the color coat can then be clear coated using DAU82 Delglo Acrylic Urethane clear. Follow label instructions and necessary dry times. The use of the clear will provide the ultimate in gloss and long term durability.

For further information on the individual products please contact our area representative Mr. Ramiro Fernandez or me.


A.R. Cooper
Technical Manager

ARC:sv



DuPont Refinish System
For DeLorean Motor Company

Following are the recommended procedures for refinishing with DuPont's Imron polyurethane enamel. As certain components of the products represent a health hazard, included are safety precautions and procedures. Equipment chosen should meet OSHA, NIOSH and MESA standards.

5717-S Metal Conditioner (Safety)

WARNING! CAUSES IRRITATION. Contains phosphoric acid. Avoid contact with skin and eyes. Avoid prolonged or repeated breathing of vapor. Wash thoroughly after handling. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes; call a physician. Flush skin with water. To avoid skin contact, the use of rubber gloves is suggested.

224-S Steel Conversion Coating (Safety)

DANGER! STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. HARMFUL IF SWALLOWED. CAUSES IRRITATION. Contains phosphoric acid and bromates. Keep from contact with clothing and other combustible materials. Do not store near combustible materials. Avoid breathing mist and contact with skin and eyes. Wash thoroughly after handling. Keep container closed. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes; call a physician. Flush skin with water. If swallowed, dilute by giving several glasses of water or milk. If vomiting occurs spontaneously, repeat several times. Call a physician. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

824-S Light Gray
Corlar® Epoxy Primer (Safety)

WARNING! FLAMMABLE. BREATHING OF VAPOR MAY CAUSE IRRITATION. Contains glycol ether solvents. Keep away from heat, sparks and open flame. Avoid prolonged or repeated breathing of vapor or spray mist. Avoid contact with eyes and skin. Keep container closed when not in use.

USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN

FIRST AID: In case of skin contact, flush with plenty of water; for eyes, immediately flush with plenty of water for 15 minutes and get medical attention. If affected by inhalation of vapor, remove to fresh air. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

Imron Polvurethane Enamel (Safety)

WARNING! FLAMMABLE. Keep away from heat, sparks and open flame. Avoid breathing vapor of spray mist and prolonged contact with skin. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. IMPORTANT: When mixing with 192-S mixture will have hazards of both components. Observe all applicable label precautions.

WARNING! CONTAINS LEAD. Dried films of this paint may be harmful if eaten or chewed.

Imron Polvurethane Enamel System - Procedures

3812-S Enamel Reducer

Clean the metal to remove oil, grease and other contaminants. Using a clean cloth apply 3812-S Reducer to the surface. While the surface is still wet, fold a second clean cloth and wipe dry. Work small areas two to three square feet, wetting the surface liberally.

5717-S Metal Conditioner

Metal treatment dissolves rust & corrosion and etches the metal for better adhesion of finishing materials. Mix the cleaner with two parts of water in a plastic bucket. Wearing rubber gloves apply with a cloth or sponge. Work the area with a "Scotch-Brite" or similar abrasive pad. While the surface is still wet wipe it dry with a clean cloth.

224-S Conversion Coating

Steel Conversion Coating produces a high degree of corrosion resistance & optimum adhesion of paint system. Pour the material in a plastic bucket. Wearing rubber gloves use a "Scotch-Brite" or similar abrasive pad to apply the undiluted material to the treated metal surface.

Leave the conditioner on the surface two to five minutes. Work only as much area as can be coated and rinsed before the solution dries. Reapply if the surface dries before the rinsing. Flush the coating from the surface with cold water or mop with a damp sponge or cloth rinsed occasionally in clean water. Wipe dry with a clean cloth & allow to air dry. 224-S will impart a gray color to the steel.

824-S Light Gray Corlar Epoxy Primer (Two-package product)

Offers excellent adhesion and flexibility over various substrates. Mix two parts of Corlar with one part of 826-S activator. Allow to stand for an induction period of one hour if temperature is between 70°F and 70°F or two hours if temperature is between 55°F and 70°F. Do not use Corlar if shop temperature is below 55°F. Reduce activated material up to 50% with 3602-S thinner. Spray one full wet coat to give a dry film thickness of 0.7 to 1 mil. Allow to dry 2-6 hours or overnight before topcoat application.

Imron® Polyurethane Enamel

A high-gloss, extremely durable, chemical & solvent resistant, air-dry material both in solid and metallic colors.

Mix three parts Imron® Polyurethane Enamel with 1 part 192-S Activator, 189-S Accelerator can be added (4 oz/gal) to increase drying rate. For spraying large areas material may be reduced further with 8485-S Imron® Reducer or 3979-S Retarder. 259-S Imron® Additive may be added (1 to 2 oz/gal) only if fish-eyes occur. Do not mix more material than will be used in a eight-hour period. Pot life of mixture is eight hours at 70°F.

Application of Solid Colors

With siphon equipment, use 50 pounds pressure at the gun. Spray a medium first coat. Allow to tack up and follow with second coat.

With pressure pot equipment, use 65-75 pounds pressure at the gun and a fluid delivery rate of 12-20 ounces per minute.

Application of Metallics

With siphon equipment, use 65 pounds pressure and apply a light medium coat as a tack coat. Allow to set up 20 minutes, then apply a second light medium coat. Reduce remaining material 15% with 8485-S (17-18 seconds DuPont Viscosity Cup or #2 Zahn Cup) and apply a third light medium coat. If desired, another light medium coat of a reduced material may be used. Metallics can be clear coated with 500-S Clear following label directions.

With pressure pot equipment, use 65-75 pounds at the gun and a fluid delivery rate of 8-14 ounces per minute.

Both solid and metallic colors can be clear coated with Imron® 500-S Clear.

500-S Imron® Clear (Optional)

Offers high gloss, chemical resistance and durability of Imron®

Mix 3 parts of clear with one part of 192-S activator. Mix thoroughly and, if faster tape-free time is desired, add 189-S Accelerator at rate of four oz. per gallon. Mix no more material than will be used in an eight-hour period. Pot life of mixture is eight hours at 70°F. Following mixing, strain material. No further reduction is necessary for application. If desired, material may be further reduced with DuPont 3979-S Retarder. Check viscosity every four hours and reduce if necessary. Spray viscosity should be 18-22 seconds (#2 Zahn cup).

Allow Imron® color to dry overnight. Spray one medium coat. Allow to tack up and follow with a full second coat. A third coat may be applied if desired.

All information and recommendations are based on data which DuPont believes to be reliable. However, such information and recommendations are implemented and used by persons at their own discretion and risk.



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-03-2/82

CATEGORY: TECHNICAL
ATTENTION: ALL DEALERS/SERVICE MANAGERS
SUBJECT: REPAIR OF FRONT FRAME EXTENSION

In the event that the front frame extension of a De Lorean is damaged in an accident the following repair procedure has been established:

1. Empty the fuel tank.
2. Remove fuel pump inspection cover located under spare tire and rollover valve inspection cover located in rear left quarter of luggage compartment beneath fuel filler cap.
3. Disconnect fuel lines from fuel pump, fuel filler hose and vent hose from fuel tank.
4. Disconnect electrical connections to fuel pump and fuel gauge.
5. Using appropriate equipment, evacuate the air-conditioning system.
6. Raise the vehicle on a hoist.
7. Drain the coolant system.
8. Remove air ducting shroud between air dam and radiator.
9. Disconnect air-conditioning lines and coolant hoses from radiator.
10. Disconnect wiring harness from coolant fans.
11. Remove right and left side radiator mounting brackets and remove radiator, condenser and fan as a unit.
12. Remove fuel tank closing plate and fuel tank.
13. Undo lower steering rack u-joint, steering rack brackets and tie rod ends and remove steering rack.

Continued...

Issued 2/8/82

14. Using a hole saw cut a 10 inch diameter hole in spare wheel well. THIS WILL PROVIDE ACCESS TO TOP OF RIGHT OF FRAME EXTENSION.

NOTE: Save the piece removed as it will be necessary to replace it at a later time.

15. Using an air chisel, high rotary grinder or metal saw, remove damaged frame impact extension.

NOTE: Do not use an oxyacetylene torch.
Do not cut into parent metal.

16. Grind all surfaces to be welded flush with parent metal allowing approximately 3/4 inch to 1 inch of clean metal at points to be welded.

17. Attach alignment jig J-33229 loosely to front cross member (See Figure 1).

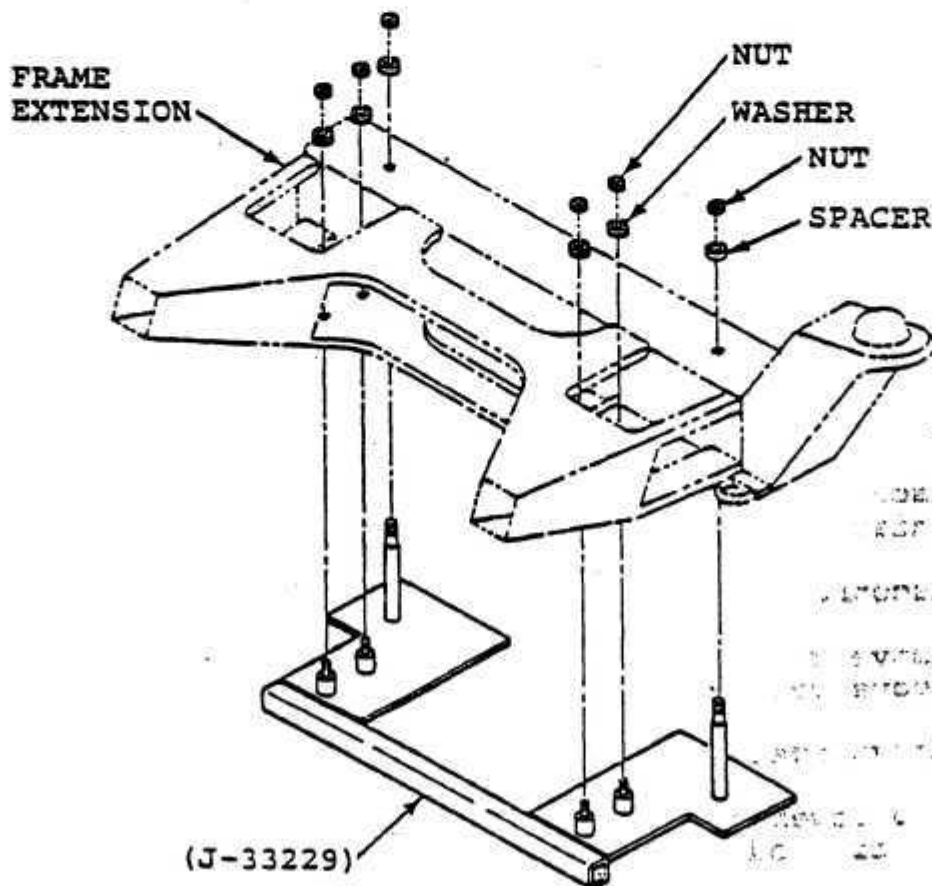


FIGURE 1

18. Attach new front frame extension (Part No. 105289) to alignment jig J-33229 (See Fig. 1). Tighten all fasteners on alignment jig while simultaneously checking positioning of frame extension to cross member.
19. Tack weld at all major contact points and remove jig. Continue welding until all contact areas are joined. Allow to cool.
20. Clean all bare metal surfaces and coat with corrosion protective kit Part No. 109264/5. Allow to dry.
21. Reinstall all parts in reverse order. Replace section removed from spare wheel well using a suitable fiberglass repair kit.

NOTE: Prior to installing anti-roll bar clamps and radiator mounting brackets, ensure that the frame extension stiffeners are installed as follows:

- a. Using the bolts to hold the side of the radiator bracket to the impact extension, install two (2) strengthening brackets (Part Nos. 111140/111141) to the impact extension loosely (See Fig. 2).

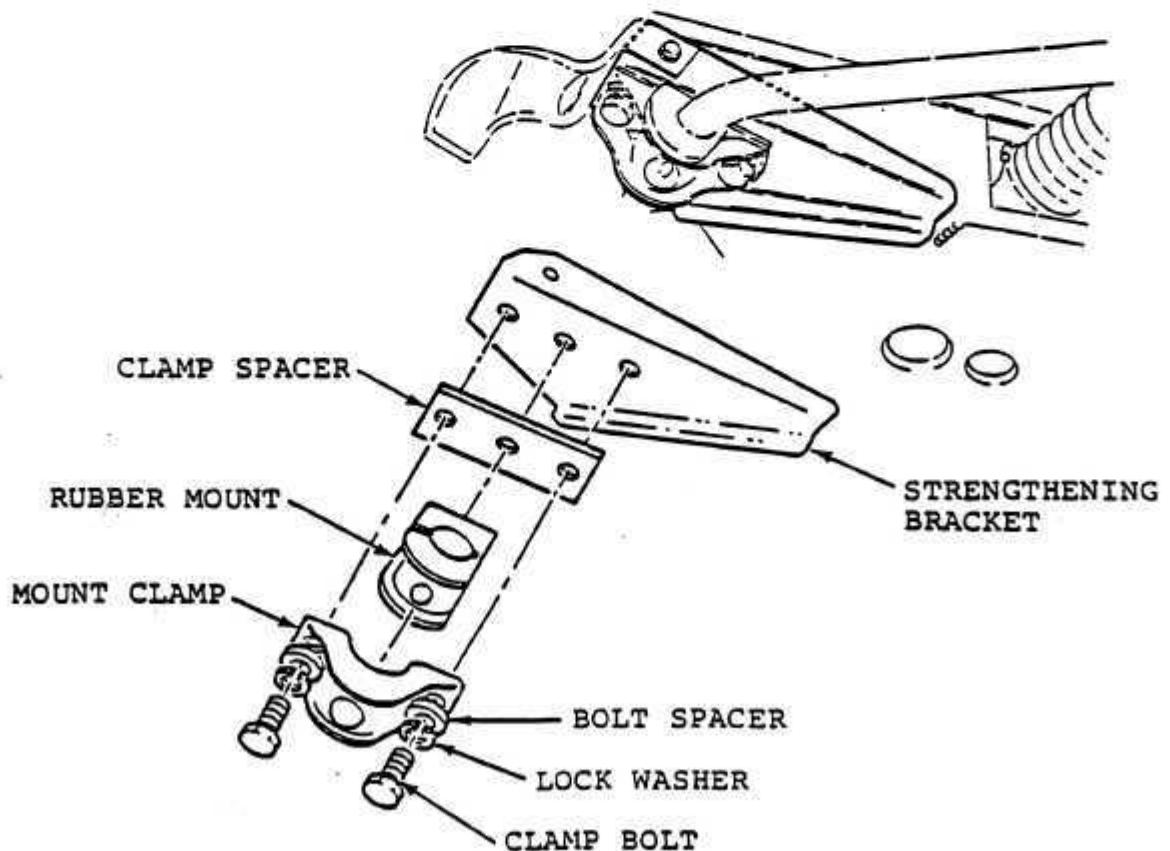
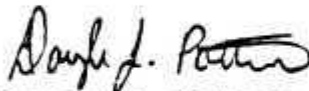


FIGURE 2

- b. Install clamp spacer (Part No. 106960) and anti-roll bar bracket (Part No. 108998) and spacers (Part No. 111205) using bolt (Part No. 111204) coated with Loctite 242. Torque to 35 NM (26 ft. lb.) (See Fig. 2).
 - c. Ensure radiator is positioned as far as possible to the right of the vehicle before tightening the radiator support bracket, side bolts and top bolts.
 - d. Tighten lower radiator mounting bolts.
- 21. Refill cooling system and pressure test.
 - 22. Recharge air-conditioning system.
 - 23. Check and, if necessary, adjust wheel alignment.

Please inform all personnel concerned.



Doyle J. Potter
National Service/Training
Parts Manager

DJP:mtc



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-04-2/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: DITZLER PAINT FORMULA FOR FRONT AND
REAR FACIA REFINISHING

Ditzler Automotive Finishes has made available the following paint code for front and rear facia refinishing:

Code: DAU33584

Color: Silver Poly

This is an alternative paint source to the one listed in Service Bulletin ST-13-9/81.

Doyle J. Potter
National Service/Parts
Training Manager

DJP:jh

Issued 2/8/82



DELOREAN MOTOR CARS OF AMERICA
Division of DeLoorean Motor Company

SERVICE BULLETIN

NUMBER ST-05-2/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: STARTER SOLENOID CIRCUIT MODIFICATION
PRIOR TO V.I.N. 2547

On early vehicles (prior to V.I.N. 2547), the starter solenoid's operating voltage, in certain conditions, was not high enough to ensure a consistent, reliable operation. This condition was displayed by a voltage drop characteristic in the main wiring harness on vehicles with slightly discharged batteries. To correct this condition a starter circuit modification was introduced into production starting at V.I.N. 2548.

This condition is generally displayed by a clicking noise at the solenoid without any starter cranking. If this symptom is encountered on vehicles prior to V.I.N. 2547 the following modification procedure should be performed:

1. With ignition switch off, remove the relay compartment access panel behind the passenger's seat.
2. Partially remove the relay strip containing the starter relay.
3. Disconnect the white/yellow pigtail jumper wire from its relay terminal (#86). Cut and move the jumper from its white/red wire connector (Figure 1).
4. Disconnect the white/red wire (which had the pigtail jumper removed in Step 3) from terminal #30/51 and connect to terminal #86 (Figure 2).
5. Using 14 gage brown wire, assemble a 12 inch jumper wire with two (2) suitable female receptacles.

NOTE: One of the female receptacles must have a locking barb for a positive connection.

continued . . .

Issued 2/10/82

6. Connect one end of the brown jumper to terminal #30/51 of the starter relay (Figure 2). Connect the other terminal with the locking barb to the battery side of the 25 AMP from speed circuit breaker.

NOTE: This circuit breaker has three (3) brown wire with an open terminal on its battery side.

7. Position and secure the relay panel, replace the access cover and charge the battery if necessary.

BEFORE MODIFICATION

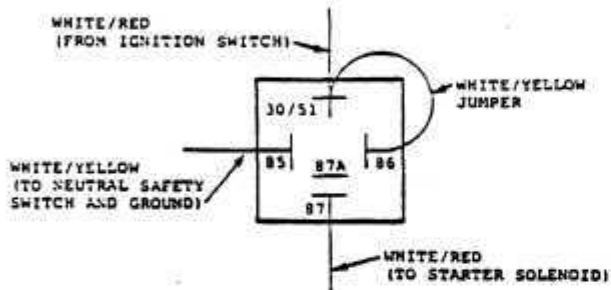


FIGURE 1

AFTER MODIFICATION

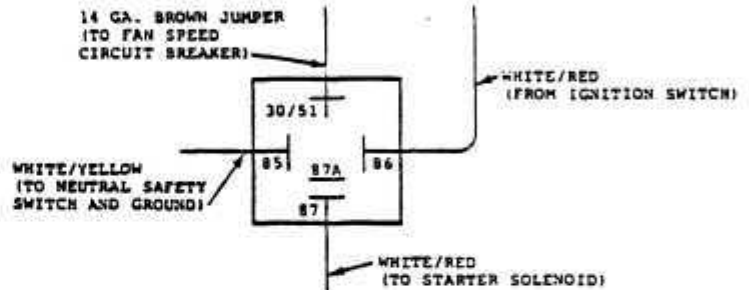


FIGURE 2

W. A. Charles

William A. Charles
Director, Service/Parts

WAC:ak



DELOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-06-9/82

ISSUED 9/17/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: TEMPORARY WIRING MODIFICATION - FAN FAIL
MODULE

Reports have been received that a number of fan fail modules have become defective which renders the engine cooling fans inoperative. Upon preliminary investigation, a manufacturing defect has been discovered in some modules. While further investigations are being conducted with the manufacturer to determine the exact origin of this problem, we recommend the vehicle be kept mobile with the use of a link wire assembly if this condition is encountered.

Use of this link wire assembly will bypass the fan fail warning light function of this system thus leaving the engine temperature gauge as the only means of indicating an engine overheating condition.

It is important to positively determine that the fan fail module is defective prior to installing this link wire assembly. A check should be made on the cooling fans to ensure they have not seized. The entire engine cooling fan circuit and components must also be checked for continuity and operation with special attention to all connections (Figure 1).

IMPORTANT:

Owners must be advised that this temporary modification has been performed, the fan fail light is inoperative and that the engine temperature gauge should be routinely monitored.

Continued

Installation

- 1) Gain access to the relay panel under the parcel shelf behind the passenger's seat.
- 2) Locate and remove the blue fan fail module as indicated in Figure 2.
- 3) Firmly install the link wire assembly into the appropriate cavities of the fan fail module plug of the relay panel as indicated in Figure 3.

Reimburesement

Submit DMC Service Transaction (General) using:

Transaction Code:	20 (Warranty Claim)
Component Code:	37414
Malfunction Code:	30
Labor Operation:	37403
Labor Time Allowance:	.2 hr.
Part Number:	113189 - Link Wire Assembly

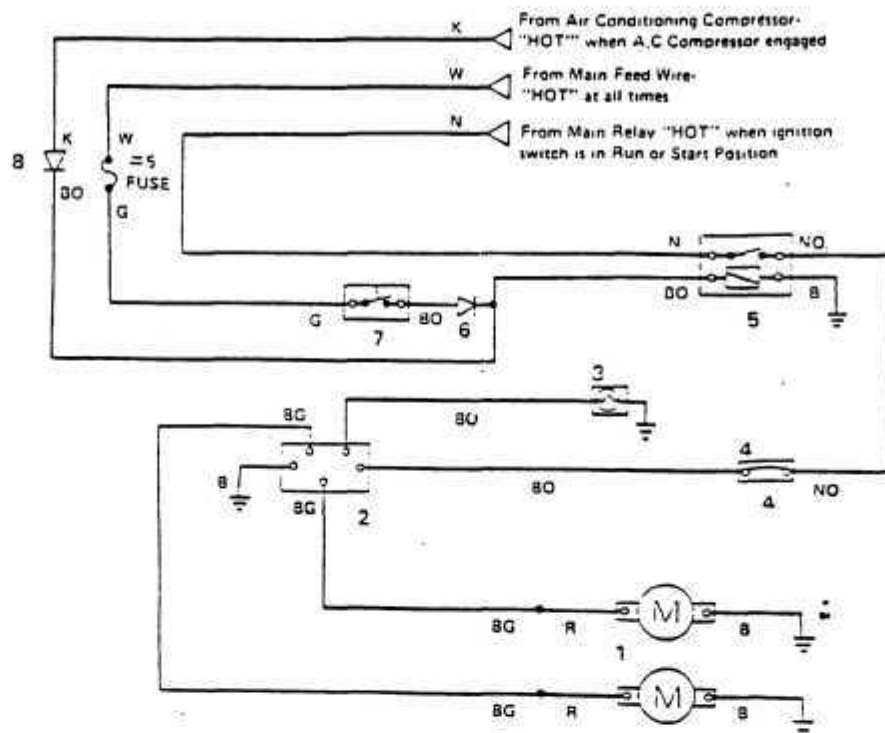
Please inform all personnel concerned.


J. J. Patro
Technical Publications Manager

JJP/psg

Attachment



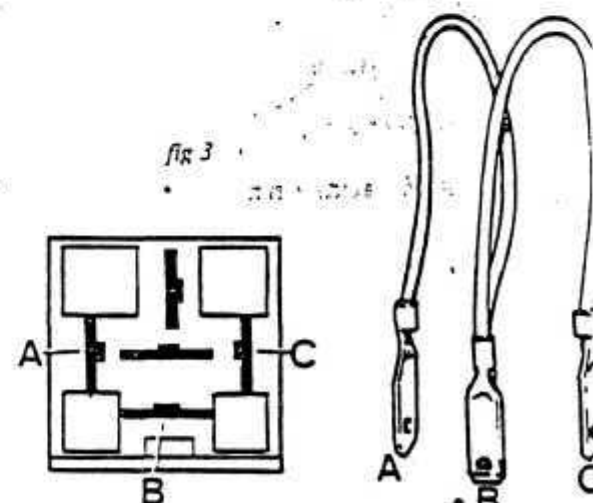
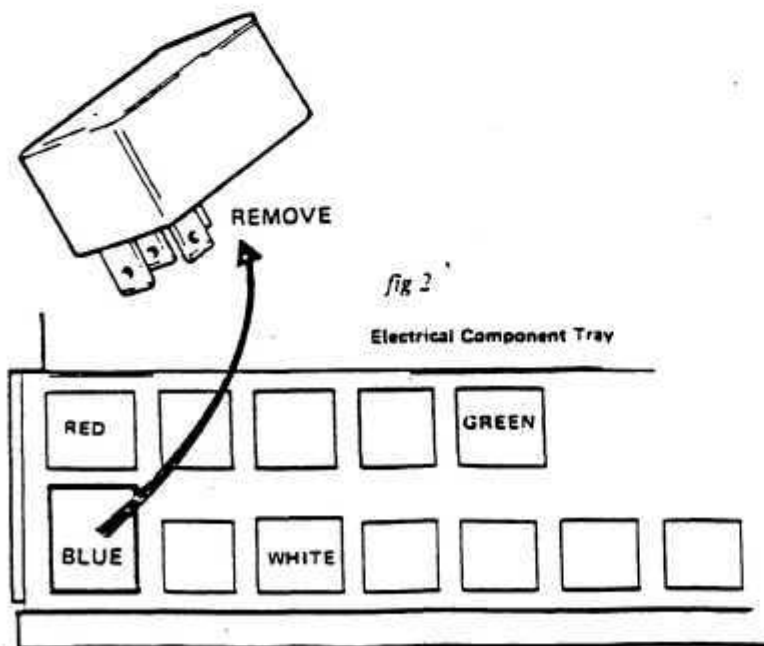


K • PINK
W • WHITE
N • BROWN
G • GREEN
BO • BLACK/ORANGE

R • RED
NO • BROWN/ORANGE
B • BLACK
BG • BLACK/GREEN

1 • Cooling Fans
2 • Fan fail module
3 • Fan fail warning lamp
4 • Circuit breaker

5 • Fan relay
6 • Cooling Fan Diode
7 • Temperature switch
8 • A.C Diode





DELOREAN MOTOR CARS OF AMERICA
Division of DeLoeian Motor Company

SERVICE BULLETIN

NUMBER ST-07-9/82

ISSUED 9/17/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: ADJUSTABLE CLUTCH LINK - MANUAL TRANSMISSION

Reports have been received that difficulty in achieving full clutch disengagement is being experienced on some vehicles. This difficulty is generally experienced when engaging first and reverse gears after the vehicle has reached operating temperatures.

If this condition exists, proceed as follows:

Bleed the clutch hydraulic system to ensure there is no air trapped in this system using the following technique:

A) Check the clutch fluid level and fill if required.

NOTE: Brake fluid with a DOT 4 or higher rating MUST BE USED.

B) Attach a bleed tube to the bleed screw (8 mm) on the clutch slave cylinder and place the other end of this tube in a container holding clean brake fluid of the same rating.

NOTE: Make sure the bleed tube stays submerged in the fluid.

C) Open the bleed screw and slowly but fully depress the clutch pedal to the floor, close the bleed screw and slowly release the clutch pedal. Repeat this step a minimum of six (6) times and until all possible air is purged from the system.

NOTE: When performing the above step, make sure the reservoir level does not become so low as to draw air into the system at the master cylinder. Top up as necessary.

continued ...

- D) Fill the clutch fluid reservoir (DOT 4 or higher) as required.

SPECIAL NOTE:

Pressure bleeding (Similar to brake bleeding) may be performed. However, because the clutch reservoir to master cylinder feed hose is secured with pinch-type clamps, only very low pressure should be used to avoid the feed hose from disconnecting.

If clutch disengagement difficulty is still experienced after bleeding, an adjustable clutch link assembly may be installed to overcome this problem. This adjustable link has been introduced as a service fix only if bleeding does not correct the condition. This adjustable link will provide extra clutch pedal travel thus providing addition clutch movement.

Reimbursement


Submit a DMC Service Transaction (General) using:

Transaction Code:	20 (Warranty Claim)
Component Code:	44013
Labor Operation No:	03440
Labor Time Allowance:	.3 hr.
Part Number:	133188 (Kit - Unassembled)

Kit includes:

<u>Qty</u>	<u>P/N</u>	<u>Description</u>
1	113289	Rod, Threaded
2	SP10145	Nut, Lock
2	113290	Clevis
2	SP10913	Pin, Clevis
6	SP106637	Washer

Please inform all personnel concerned.


J. J. Patro
Technical Publications Manager

JJP/rmr

Adjustable Clutch Link Installation

The clutch pedal stop bolt and weld nuts must be removed to permit the pedal to be raised. To carry out this operation, the following procedure should be observed (Figure 1).

A) Remove and retain the two (2) spring clips (SP10115) securing fixed clutch rod. Remove the fixed clutch rod.

B) Remove both clevis pins. It may be necessary to carefully lower the steering column to gain access.

NOTE: Care must be exercised not to damage the steering column.

C) Unscrew the 10 mm clutch pedal stop bolt from the top of the pedal box and discard.

D) Using a hammer and sharp chisel carefully shear off the 10 mm clutch stop nuts welded on both sides of the pedal box (Figure 1).

E) Assemble the adjustable clutch link (Figure 2) (Part Number 133188). Adjust both clevis ends evenly on the threaded rod so as when the link is secured the clutch pedal is 20 mm (3/4") higher than the brake pedal (Figure 3).

F) With the link adjusted and positioned install the clevis pins.

G) Reinstall spring clips to retain clevis pins, and tighten lock nuts.

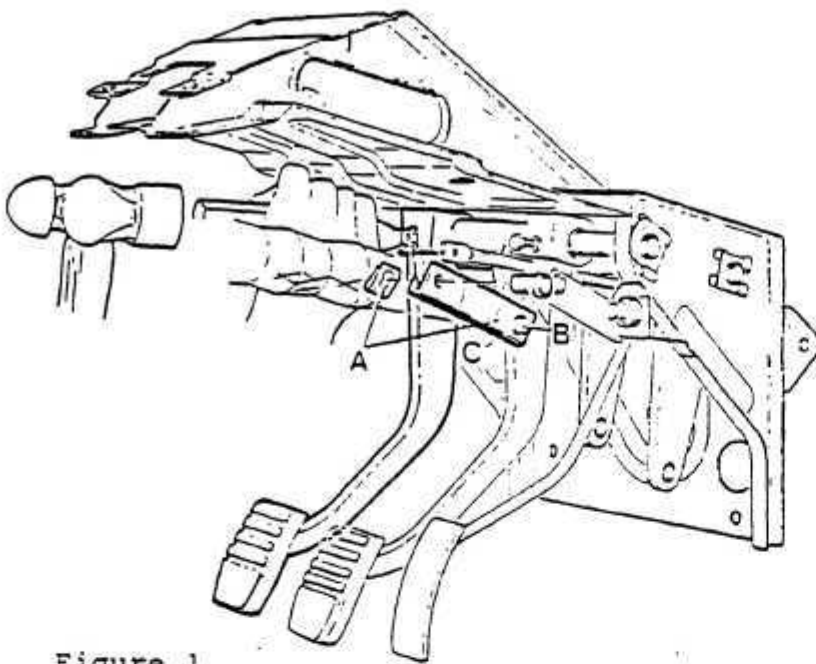


Figure 1
OLD CONDITION

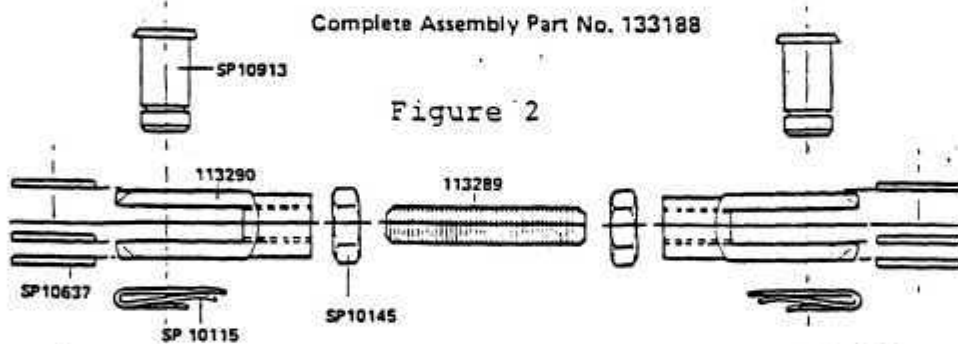


Figure 2

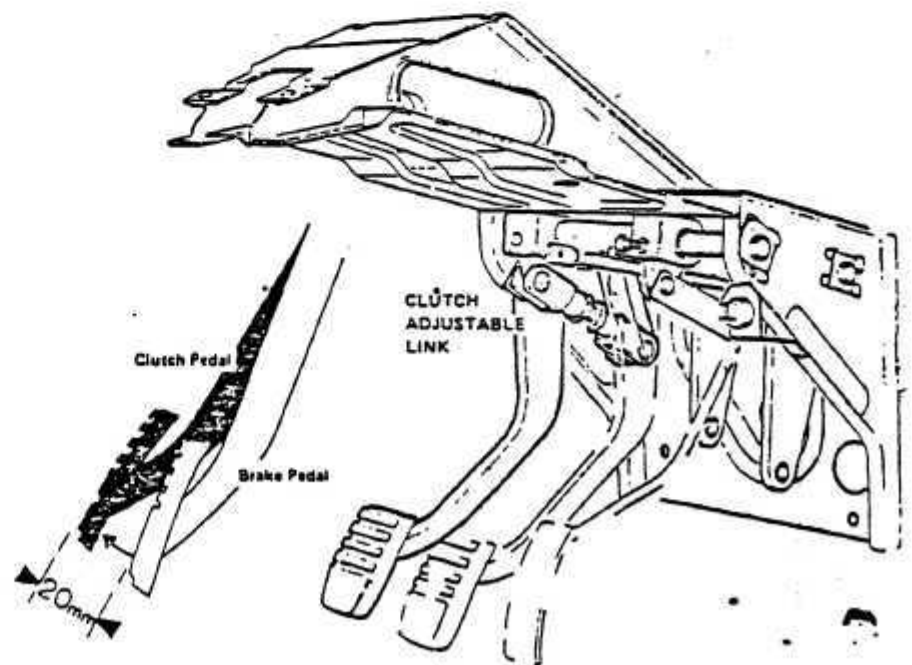


Figure 3
NEW CONDITION



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-²⁸~~ST~~-10/82

JED 10/8/82

CATEGORY: TECHNICAL
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: BRAKE DISC RESURFACING

This bulletin supersedes bulletin ST-11-8/81 issued on 8/20/81.

In the event the front or rear brake disc surfaces become damaged, glazed or display excessive lateral run out, the discs may be machined to provide a re-surfaced and parallel brake contact area.

IMPORTANT NOTE:

Extreme care should be exercised to assure the discs are positioned and properly secured to the appropriate machining equipment to achieve total parallelism.

SPECIFICATIONS - FRONT AND REAR DISCS/PADS

New Disc Thickness	- 12.7mm (.500")
Minimum Allowable Disc Thickness (overall)	- 11.7mm (.461")
Maximum Allowable Disc Thickness Variation	- .02mm (.0008")
Maximum Machining Allowance <u>per side</u>	- .5mm (.0197")
Maximum Lateral Run Out (as measured 5mm[3/16"] in from the outer edge of the disc face)	- .1mm (.004")
Minimum Brake Pad Thickness (either pad)	- 3.0mm (.118")


Continued ...

REIMBURSEMENT

<u>Operation Number</u>	<u>Description</u>	<u>Time Allowance</u>
61010	Disc, Resurface Frt. One	.4 hr.
61011	Disc, Resurface Frt. Both	.8 hr.
62008	Disc, Resurface Rear One	.4 hr.
62009	Disc, Resurface Rear Both	.8 hr.

NOTE: The above time allowances do not include R & R.

Please inform all personnel concerned.



J.J. Patro

Technical Publications Manager

JJP/psg



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-08-10/82

Issued 10/18/82

CATEGORY: TECHNICAL

ATTN: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: BRAKE DISC RESURFACING
BULLETIN RENUMBERING

Please be advised that the service bulletin number for the above subject was incorrectly printed as ST-07-10/82.

THE CORRECT NUMBER SHOULD BE: ST-08-10/82.

We regret this inconvenience.

In addition, after resurfacing any disc, the brake pads must be inspected to assure they have a flat and parallel contact surface. If this cannot be achieved, new brake pads should be installed.

Please correct your bulletin number and inform all personnel accordingly.


John J. Patro
Technical Publications Manager

JJP:slb

10/20/82
10/20/82
10/20/82
10/20/82
10/20/82



DE LOREAN MOTOR CARS OF AMERICA
Division of De Lorean Motor Company

SERVICE BULLETIN

NUMBER ST-09-10/82

Issued 10/18/82

CATEGORY: TECHNICAL

ATTN: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: ENGINE COOLING SYSTEM BLEEDING

Because the De Lorean is equipped with an aluminum engine, it is extremely important that the engine's cooling system be absolutely free of any air. If the cooling system is opened for service or any other reason or after a leak has been repaired THE SYSTEM MUST BE BLED.

Bleeding Procedure:

- 1) Fill the coolant reservoir tank with fresh 50/50 coolant mixture.

NOTE: The coolant level must not fall below the minimum (MIN) level indicated on the reservoir tank during the bleeding procedure to avoid air from being drawn into the system.

- 2) Attach a suitable length of hose to the bleed screw located on the thermostat housing. Route this hose clear of all belts and pulleys and place the other end into a container holding coolant mixture. The hose must remain in the coolant during the bleeding.
- 3) Start and run the engine until normal operating temperature is reached.

Thermostat starts to open at 185°F

Thermostat full open at 212°F

- 4) While running the engine between 1500-2000 RPM, open the bleed screw to allow the trapped air to escape. Close the bleed screw. Because of the low pressures and remote location of the radiator in this system, this step must be repeated until all air pockets are removed.

Continued . . .

Reimbursement

Due to the special attention required, we are increasing the time allowance for this procedure.

<u>Oper. No.</u>	<u>Description</u>	<u>New Time Allowance</u>
13101	Pressure & Leakage Test	.7 hr
13102	Drain & Refill Cooling System (includes #13101)	.8 hr
13103	Remove & Replace Radiator (includes #13102)	2.5 hr
13104	Remove & Replace Hose, Coolant (includes #13102)	.9 hr

Please inform all personnel accordingly.


John J. Patro
Technical Publications Manager

JJP:slb



DE LOREAN MOTOR CARS OF AMERICA
Division of De Lorean Motor Company

SERVICE BULLETIN

NUMBER ST-10-10/82

Issued 10/18/82

CATEGORY: TECHNICAL

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: ADDITIONAL LUBRICATION POINT -
SPEEDO ADAPTER

Please be advised that the speedometer 90° adapter (at left front wheel) has been added to the regular maintenance schedule for lubrication at each scheduled maintenance.

Procedure:

- 1) Remove speedometer cable from speedometer 90° adapter.
- 2) Rotate adapter 180° to bring the oil filler screw (originally pointing downward) so that it is pointing upward.
- 3) Remove oil filler screw and oil with SAE 80 or 90 gear oil. Reinstall filler screw.
- 4) Return adapter to its original position and connect speedometer cable.

Please inform all personnel accordingly.



John J. Patro
Technical Publications Manager

JJP:slb



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SW-01-6/81

CATEGORY: WARRANTY

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: PROCEDURES

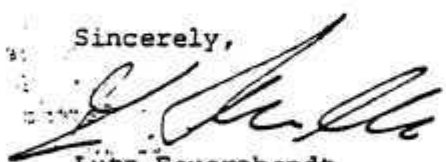
With Service Bulletin Number S-03-6/81, DMC Dealers were informed of the status of the "Service Procedures" and Suggested Warranty Repair Times" Manuals.

Until these manuals are available, please proceed according to the attached instructions for:

- A. Transportation Damage
- B. P.D.I. and Free Maintenance
- C. Warranty
- D. Technical Reporting

These procedures are in effect until superseded.

Sincerely,



Lutz Feuerabendt
Technical Service Manager

ATTACHMENTS

1979 : 37 - ON

A. - P.D.I. and Free Maintenance

21 P.D.I. and Free Maintenance
2. P.D.I. and Free Maintenance
2. P.D.I. and Free Maintenance
2. P.D.I. and Free Maintenance

1979 NO.

ISSUED 6/19/81

TRANSPORTATION DAMAGE
CLAIM PROCEDURES

TRANSPORTATION DAMAGE CLAIM SERVICE

Transportation damage is damage that occurred during the transportation of DMC vehicles up to the point of receipt/custody by the DMC dealership.

DMC provides transportation damage claim service for DMC dealers as follows:

- A) Receives claims from dealer.
- B) Reviews and validates claims based on the information received.
- C) Prepays dealers for DMC validated claim.
- D) Files claims with the respective carriers, and recovers cost for validated prepaid claims.
- E) Reverses payment for partial or full amount for prepaid claims for which DMC is unable to collect from the carriers.

VEHICLE INSPECTION AND DAMAGE RECORDING

In order to allow the processing of transportation damage claims, DMC dealers must follow the procedures below:

Receiving Inspection:

- 1) Verify the vehicle identification numbers (V.I.N.) of documents and vehicles.
- 2) Carefully inspect vehicle(s) for damage or missing items.
- 3) Record damages or missing items with a full description on the freight bill. Note the location, type of damage, and size. Examples: "Dent right front fender 6" x 2" x 1". "Hood - scratch, 3" long, 1" deep". "Spare tire missing - replace". "Right front fender crushed - replace". If the space available on the freight bill is insufficient, enter: "See attachment", and list the damages on the attachment. Always reference the damage to the applicable V.I.N. number on the freight bill as well as on any attachment.
- 4) Obtain the signature of the carrier's driver as an acknowledgement of the damages recorded.

Other:

- 1) Damage which will exceed \$300.00 in repairs (excluding glass and tires).
- 2) Severe damage - such as deformed body, frame, and suspension, contact your DMC District Manager.
- 3) Stains - In the event of any fluid stains on exterior panels, you must record on the freight bill the make and V.I.N. of the vehicle on the upper deck that caused the stain. Note - stain removal is normally part of "make ready". If stains cannot be removed, contact your DMC District Manager.
- 4) Salt water damage - Contact the DMC distribution department immediately.

CARRIER NOTIFICATION

The carrier must be notified by the receiving dealer by certified mail in the instances listed below.

- A. Subject To Inspection - When a vehicle is delivered after normal business hours or in a snow or ice covered condition, not rain or dirt, you may mark the freight bill "Subject to Inspection". Each vehicle must be inspected no later than the next working day after receipt. Your "Carrier Notification" must be sent to the carrier, by Certified Mail, no later than the second working day after receipt. A copy of your "Carrier Notification" must accompany your claim to DMC.
- B. Hidden Damage - Each vehicle must be inspected for hidden damage no later than the next working day after receipt. Your "Carrier Notification" must be sent to the carrier, by Certified Mail, not later than the second working day after receipt. A copy of your "Carrier Notification" must accompany your claim to DMC. Hidden damage can only include damage to undercarriages, tire treads, or insides of wheel wells. No other damage can qualify.
- C. Salvage Parts - When you need to replace any body or mechanical parts with a total DMC reimbursement cost of over \$50.00 per vehicle, a "Carrier Notification" must be sent to the carrier no later than 15 days after vehicle receipt, advising them of the disposition of the replaced parts. Dealers must hold such parts for 30 days from the date of the notification. A copy of your "Carrier Notification" must accompany your claim to DMC.

DEALER TRADES - It is the responsibility of the dealer originally receiving the vehicle to make all transportation damage repairs and file claims as required.

NONREIMBURSABLE ITEMS - The following cannot be reimbursed under transportation damage:

- A. Complementary items such as: books, manuals, key cases, touch-up paint, etc.
- B. Minor scratches or chips - cleaning, polishing.
- C. Warrantable items, such as outward dents, misalignment of parts, stress cracks (glass), rough or wavy sheet metal, noninstalled equipment, etc. If it is necessary to repair such items, contact your District Manager.
- D. Subsequent damage due to delayed repairs or improper storage of damaged vehicles.

DAMAGE REPAIRS REQUIRING AUTHORIZATION

Before a damaged vehicle is repaired, you must contact the District Manager if the following conditions exist:

- 1) The cost to repair the vehicle will exceed \$300.00 (excluding glass and tires).
- 2) The frame or safety related components of the vehicle appear to be damaged such as, damaged suspension and/or frame of the vehicle, any part of the floor/undercarriage is ripped or torn, or any welded panels require replacement.
- 3) Special or unusual damage is discovered.

The District Manager will provide specific instructions, as applicable.

DAMAGE REPAIRS

DMC Dealers are required to assure that DMC vehicles are in new condition. All Transportation Damages and/or missing items must be repaired or replaced as applicable, including damages occurring during storage or handling after delivery to the dealership, and prior to retail delivery. Repairs are to be made to restore the vehicle to perfect condition in accordance with the repair procedures established in the DMC Service and Repair Manual, using new DMC components only.

DISCLOSURE OF DAMAGE TO CONSUMERS

Several states have laws requiring disclosure to consumers of damage repairs or unrepaired damage, usually beyond a minimum value threshold. Consult your local laws as applicable.

TRANSPORTATION DAMAGE CLAIMS - PROCEDURES

GENERAL:

- Up to 3 damages may be entered on one form.
- If more than 3 damages, use an extra form and attach to the first form.
- Do not enter any other transaction type category with transportation damage claims.

ATTACHMENTS REQUIRED:

- A) Repair order
- B) Sublet bill (if applicable)
- C) Copy of Freight Bill
- D) Other pertinent documents pertaining to the claim

REPLACED PARTS: Identify with DMC parts tag and store until disposition by the carrier or DMC.

CLAIM COMPLETION: Entries are required on the shaded lines. Enter line 8-11 only if applicable.

LABOR OPERATIONS AND TIME (REGULAR):

Operation # AT 000 Time: The actual clocked time in time units.
(100 units = 1 hour)

LABOR OPERATION AND TIME (SUBLET):

Operation # SL 000 Time: As shown on the sublet bill.

CLAIM SUBMISSION: Retain pink copy, mail via regular mail to: De Lorean Motor Company, 2055 S. E. Main St., Irvine, CA 92714
Attention: Technical Service

[illegible]

CARRIER NOTIFICATION LETTER

(EXAMPLE ONLY)

ORIGINAL LETTER TO: CARRIER, VIA CERTIFIED MAIL

COPY OF LETTER (SUBMIT WITH CLAIM PACKAGE)

Dealer's Letterhead or Name & Address	
TO: CARRIER (Name) _____	Date of this Notification _____
Address _____	Delivery Date _____
Freight Bill # _____	VIN# _____
<input type="checkbox"/> <u>"SUBJECT TO INSPECTION" DAMAGE NOTICE</u>	
<input type="checkbox"/> Delivered After Hours	
<input type="checkbox"/> Delivered Covered by Ice/Snow, rendering normal inspection impossible	
<input type="checkbox"/> Concealed Damage	
Damages/shortages to the subject vehicle were noted as follows:	

<input type="checkbox"/> <u>SALVAGE PARTS NOTICE</u>	
Carrier: Please be advised that the salvage parts listed below will be	
held by us for 30 days, from the date of this notification, for	
your inspection/disposition:	
Salvage Description:	

DEALER CODE # _____	AUTHORIZED SIGNATURE _____

CLAIMS PROCEDURES FOR:

- PREDELIVERY INSPECTION (P.D.I.)
- FREE MAINTENANCE (Labor only for 1st maintenance at 600-1200 miles)

LABOR OPERATION #/TIME ALLOWANCE

P.D.I.: Operation # 01001 Time 150 units = (1hr.30min.)
Free Maintenance: Operation # 01002 Time 150 units = (1hr.30min.)

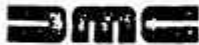
TRANSACTION CODES (line B-1)

P.D.I. - 32
Free Maintenance - 33

CLAIM COMPLETION

An entry is required in the shaded lines.
Retain pink copy and mail via regular mail to:

De Lorean Motor Company
2055 S. E. Main Street
Irvine, CA 92714
Attn: Technical Service



SERVICE TRANSACTION GENERAL

RA0000 - BA9999
H00000 - BE9999

A Document Main Data	
REFERENCE #	BA 0000
DMC DEALER NO	
Repair Order No	
Repair Order Date	
VIN	
Customer Date	
Repair Camp Date	
Customer Reading	
Hourly Labor Rate	
Signature & Date	

- * LINE B-1 If transaction code 41 is used (request for adjustments) a detailed explanation must be given
- * LINE B-8 Attach previous repair order/invoice (parts counter tickets)
- * LINE B-13 Attach repair order - submit bill and freight bill (attach only once if more than one damage)
- * TOTAL LABOR IF OPERATIONS BELOW ARE USED
 ALU-1 Actual punched time attach repair order
 DTAW- Diagnosis time attach repair order
 SLOO- Submit 13001 attach submit bill
 FL000- Flat labor requires authorization number
- * TOTAL PARTS IF BELOW PART #S ARE USED
 W-20001- Flat parts authorization is required
 W-20002- Sublet/other parts attach sublet/other parts bill
 W-200100- Warranty return attach freight bill
 or warranty parts return shipment

For DMC Use Only

Actual Punched Time	15
Diagnosis Time	15

B Transact. Data		LABOR				PARTS			
		Time	\$	C	Qty	\$	C		
Transaction Code	1								
Transaction Code	2								
Transaction Code	3								
Transaction Code	4								
Transaction Code	5								
Transaction Code	6								
Transaction Code	7								
Transaction Code	8								
Transaction Code	9								
Transaction Code	10								
Transaction Code	11								
Transaction Code	12								
Transaction Code	13								
TOTAL LABOR TIME & \$					TOTAL PARTS \$				
					TOTAL CLAIM \$				
					PARTS DISPOSITION				

Transaction Code	1						
Transaction Code	2						
Transaction Code	3						
Transaction Code	4						
Transaction Code	5						
Transaction Code	6						
Transaction Code	7						
Transaction Code	8						
Transaction Code	9						
Transaction Code	10						
Transaction Code	11						
Transaction Code	12						
Transaction Code	13						
TOTAL LABOR TIME & \$					TOTAL PARTS \$		
					TOTAL CLAIM \$		
					PARTS DISPOSITION		

Transaction Code	1						
Transaction Code	2						
Transaction Code	3						
Transaction Code	4						
Transaction Code	5						
Transaction Code	6						
Transaction Code	7						
Transaction Code	8						
Transaction Code	9						
Transaction Code	10						
Transaction Code	11						
Transaction Code	12						
Transaction Code	13						
TOTAL LABOR TIME & \$					TOTAL PARTS \$		
					TOTAL CLAIM \$		
					PARTS DISPOSITION		

TECHNICAL REPORT PROCEDURES

This form is used to report technical matters as they apply to the vehicle itself, spare parts, repair procedures, labor operations.

DMC dealers should participate in reporting such items thereby providing DMC and the factory with a broad basis of information for product quality, durability and function analysis and future product development.

It is essential that the reports contain only factual information and that they are submitted immediately.

COMPLETION

An entry is required in the shaded lines.

NOTE: If a Warranty Claim was prepared for the item to be reported, a Technical Report should not be prepared.

Retain pink copy and mail via regular mail to:

De Lorean Motor Company
2055 S. E. Main Street
Irvine, CA 92714
Attn: Technical Service

DMC

SERVICE TRANSACTION TECHNICAL REPORT

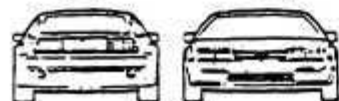
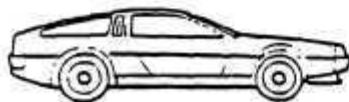
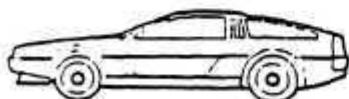
AB0000 - AB4999

A Document Main Data	
REFERENCE #	1 AB 0000
Repair Order No.	2
DMC DEALER NO.	3
Repair Order No.	4
Repair Order Date	5
V.I.B. NO.	6
Delivery Date	7
Repair Center Date	8
Customer Reading	9
Result Labor Rate	10
Customer Name	11
Street Address	12
City	13
State	14
Zip Code	15
SIGNATURE & DATE	16

B Transact. Data		LABOR				PARTS				Qty. S C			
Transact. Date	1 02	Time	S	C									
Transact. No.	2												
Transact. No.	3												
Transact. No.	4												
Transact. No.	5												
Transact. No.	6												
Transact. No.	7												
Transact. No.	8												
Transact. No.	9												
Transact. No.	10												
Transact. No.	11												
Transact. No.	12												
Transact. No.	13												
TOTAL LABOR TIME & S													
TOTAL PARTS S													
TOTAL CLAIM S													
TOTAL DEPOSIT													

NATURE OF COMPLAINTS/OBSERVATION:

PROBABLE | EXACT | CAUSE: (CHECK ONE)
(Circle or check as necessary with "LUNCH" or "ON" or "OFF" parts)



COMMENTS/RECOMMENDATIONS:

REQUESTS:

For DMC and Only	
New Date	17
Received Date	18
Received	19

WARRANTY PROCEDURES

General: DMC Dealers are authorized and required to make warranty decisions, repairs, and replacements on behalf of DMC, with the exception of those items that require prior inspection or authorization by DMC. (See warranty repairs requiring authorization.) DMC Dealers are also required to render warranty service for DMC vehicles not sold by them, and transient owners should receive preferential treatment.

Decision Making: The warranty statements as they apply to the vehicle, its components or systems are the basis for making a decision whether a repair or replacement is warrantable.

A repair or replacement is warrantable, and you may proceed with a repair or replacement if you can answer all of the following with a "yes":

- 1) A malfunction exists.
- 2) The malfunction is caused by a defect in material or workmanship at the factory.
- 3) The item is not specifically excluded from coverage in any of the applicable warranties.
- 4) The item does not require prior inspection and/or authorization. (See warranty repairs requiring authorization.)
- 5) The mileage limit of any of the applicable warranties is not exceeded.
- 6) The time limit of any of the applicable warranties is not exceeded.

Note: Before denying any DMC owner's request for warranty service, you must consider any state or local laws or regulations which may override the limitations of any of the warranties.

The following is an overview of the warranties that apply to DMC vehicles:

Warranties: (For overview only refer to the actual warranties for full details.)

Vehicle	12 months/12,000 miles
*Emission Component Defects, Federal	5 years/50,000 miles
*Emission Component Defects, California	5 years/50,000 miles
*Emission Performance, Federal	5 years/50,000 miles
*Emission Performance, Federal	24 months/24,000 miles
Tires	Refer to Tire Warranties Statement
Sound System	Refer to Sound System Warranties Statement
Batteries (original equipment)	See Battery Warranty Information (in the DMC Folder)

*Refer to the emission parts list in the DMC Emission Warranty Statement

The following warrantable repairs require prior authorization. For some items prior inspection will also be required as follows:

	<u>PRIOR INSPECTION REQUIRED</u>	<u>PRIOR AUTHORIZATION REQUIRED</u>
<u>GENERAL:</u>		
Any warrantable repair or replacement that requires:		
<u>Parts</u> = Any single part with a Dealer net price of more than \$500.00		X
<u>Labor</u> = Labor time of 20 hours or more		X
<u>Combined</u> = The total claim value exceeds \$1500.00		X
<u>MAJOR UNITS:</u>		
Engine complete		X
Short block		X
Transaxle complete		X
Chassis/frame	X*	X
<u>BODY:</u>		
Any sheet metal work	X	X
Door replacement	X*	X
Any paint repair	X	X
Glass replacement	X*	X
Trim & Carpets	X*	X
Upholstery	X*	X

*If replaced and defect can still be verified after the replacement, the prior inspection requirement may be waived.

Procedures: To obtain an authorization, contact your DMC District Manager who will give you an authorization number. This number must be entered on line B-11 of the claim form.

If prior inspection is required, arrange to have the vehicle inspected during the next visit of your DMC District Manager.

In an emergency situation where the vehicle is inoperable and prior inspection is required, contact your DMC District Manager or the DMC area office.

All authorizations are issued based on information supplied by the requesting dealer. If, at a later date, such information proves to be erroneous, the applicable authorization may be retracted, resulting in a reversal of the claim's status and disposition.

DMC District Managers will not issue authorizations for any repair which is not warrantable.

NOTE: DMC District Managers can issue authorizations, if justified, only for items that require authorization, and therefore can not issue any authorizations for any other items, such as repairs or replacements not covered by warranty or beyond the warranty limits, disallowed claims, etc. Such authorizations can only be obtained through the DMC Service Department. For such authorizations, contact your District Manager for instructions or assistance.



DE LOREAN MOTOR COMPANY

IMPORTANT - SAFETY RECALL NOTICE SUPPLEMENT

READ CAREFULLY

TO ALL DE LOREAN OWNERS:

In mid-November, you received a notice from De Lorean Motor Company (DMC) concerning a safety defect in the front suspension of 1981 De Lorean vehicles. DMC had determined that the nuts fastening the stabilizer bar to the lower link and the lower ball joints to the lower link might become loose, possibly resulting in detachment of the stabilizer bar or lower ball joints. Many of you have had your cars repaired by now.

In pre-installation inspections, however, DMC has recently discovered that some of the replacement nuts used on the ball joints (not on the stabilizer bar) in this safety recall campaign have been cracked. DMC has decided to replace all of this type of nut with new nuts to insure that no problems occur. There is no evidence that the nuts will crack in use. Even if the nuts were cracked at the time of installation, or if they crack in use, there is no evidence that they will detach from the ball joints or that there will be any loss of vehicle control.

De Lorean Motor Company will replace these nuts, augment supporting brackets on the stabilizer bar and inspect it without charge at any authorized De Lorean dealer. The estimated repair time is less than one hour. Contact your dealer immediately to arrange an appointment. Dealers will receive the necessary parts and instructions by January 27, 1982.

If you are not satisfied with the service you receive, or if you no longer own your De Lorean, please notify us immediately. Call 800-854-3088 (in California, call 800-432-2282), toll free. If you believe that DMC or your dealer has failed or is unable to perform this work without charge or within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, Washington, D. C. 20590, or you may call the toll free Auto Safety Hotline at 800-424-9393 (Washington, D. C. area residents call 426-0123).

Sincerely,

DE LOREAN MOTOR COMPANY

RA-0001
#81V-138
1/21/82

2055 S.E. Main Street, Irvine, California 92714 (714) 549-4772

IMPORTANT - SEE OTHER SIDE



DE LOREAN MOTOR COMPANY

*

IMPORTANT

SAFETY RECALL NOTICE

*

TO ALL DE LOREAN OWNERS:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

De Lorean Motor Company has determined that a defect which relates to motor vehicle safety exists in the throttle linkage of 1981 De Lorean vehicles. In very cold weather, moisture may enter the throttle cable housing and freeze inside it, possibly resulting in throttle sticking. In addition, if there is insufficient slack in the throttle cable in the engine compartment, the cable may bind, preventing the throttle from closing completely to the idle position.

If moisture inside the cable housing freezes, you will notice that the throttle tends to return to the idle position more slowly than usual or remains fixed in position. This condition may occur either when the car has been left overnight or while the car is being driven in freezing weather. If you notice that the throttle returns to the idle position too slowly, or if it operates and returns normally but fails to close entirely to the idle position, stop the car or proceed with extreme caution to the nearest De Lorean dealer. If the throttle remains fixed in any position, stop the car (if necessary, turn off the ignition key but do not remove it while the car is still in motion) and notify the nearest De Lorean dealer. Failure to heed these warnings can result in vehicle crash or loss of control.

De Lorean Motor Company will correct the defect without charge by repair of the throttle linkage at any authorized De Lorean dealer. The estimated repair labor time is less than one hour. Dealers will receive necessary parts and instructions by January 27, 1982.

If you are not satisfied with the service you receive, or if you no longer own your De Lorean, please notify us immediately. Call 800-854-3088 (in California, call 800-432-2282), toll free. If you believe that DMC or your dealer has failed or is unable to perform this work without charge or within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, Washington, D. C. 20590, or you may call the toll free Auto Safety Hotline at 800-424-9393 (Washington, D.C. area residents call 426-0123).

Sincerely,

DE LOREAN MOTOR COMPANY

RA-0002
1/21/82

2055 S.E. Main Street, Irvine, California 92714 (714) 549-4772

IMPORTANT - SEE OTHER SIDE



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

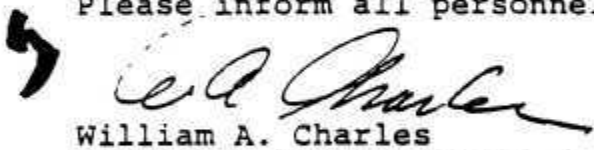
NUMBER SC-02-1/82

CATEGORY: SAFETY CAMPAIGN
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: SAFETY CAMPAIGN NO. RA-0002
THROTTLE CABLE ASSEMBLY

Please be advised that the VIN range for vehicles requiring safety campaign No. RA-0002 was inadvertently omitted from Service Bulletin SC-01-1/82 dated 1/20-82.

The vehicles requiring this campaign range from VIN 560 to VIN 7199.

Please inform all personnel concerned.


William A. Charles
Director, Service/Parts

WAC:ak

Issued 1/22/82



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-03-1/82

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY RECALL NOTICE SUPPLEMENT
SAFETY CAMPAIGN # RA-0001 (RECALL)
BALL JOINTS - STABILIZER BAR MOUNTINGS
V.I.N. 560 - V.I.N. 7199

Attached to this bulletin please find the required additional procedures for Safety Campaign RA-0001 as released via Campaign Bulletin SC-01-11/81 issued 11/12/81.

This supplement was prompted by pre-installation inspections conducted during the performance of this campaign revealing that some replacement nuts used on the ball joints in this safety recall campaign have been cracked. DMC has decided to replace all of this type of nut with new nuts to ensure that no problem will occur.

All customers are being renotified via the enclosed letter dated 1/21/82.

Parts Supply

A supply of parts, determined by the number of vehicles DMC shipped to you, is being supplied free of charge for arrival by January 27, 1982.

V.I.N. Listing

A listing of vehicles assigned to your dealership for repair and follow-up showing V.I.N. #, owners' names and addresses is attached.

William A. Charles
Director, Service/Parts

WAC:jh

Attachments/Enclosures

ISSUED 1/22/82

FRONT SUSPENSION MODIFICATION

1. Raise the car on a hoist and remove both front wheels.

2. Turn the steering wheel to the full right stop.

CAUTION: Support the lower control arms with floor stands before proceeding to Step 3.

3. Working on the left side, remove the upper and lower ball joints to steering knuckle retaining nuts and discard.

4. Install the supplied tinted blue castellated nuts (P/N SP10877) to the upper and lower ball joints. Torque to 50 NM (37 ft.lb.)

5. If the upper and lower ball joints installed on the vehicle being modified do not have holes drilled in their threaded studs perform the following:

Using the slots in the castellated nuts as a guide, drill a 1/8" hole through the ball joints' threaded studs. Remove all metal shavings.

6. Install the supplied cotter pins (P/N SP10340) 3 mm x 26 mm.

7. Repeat this procedure on the right side.

8. Allow front suspension to rest at its full travel. Remove the four (4) bolts securing both stabilizer bar mounts to the chassis extension and discard bolts and lock tabs.

9. Remove both stabilizer bar mounts and doubler plates, if the vehicle is so equipped, and discard. Retain both rubber mounts, spacer plates and lock washers for reinstallation.

NOTE: The doubler plates, if equipped, were previously installed in Campaign RA-0001.

10. Remove nuts securing the stabilizer bar to each lower control arm and discard. Remove the stabilizer bar and end washers.

continued...

11. With a micrometer, measure the outside diameter of the threaded end studs on the stabilizer bar (Figure 1). Reading must be 12.1 mm (.476 inch) maximum to 11.7 mm (.460 inch) minimum.

NOTE: If the reading is below 11.7 mm (.460 inch) replace the stabilizer bar with new unit (P/N 100233).



FIGURE 1

12. Clean the stabilizer bar threads.
13. Remove the side bolts securing the radiator mounting bracket to chassis extension.
14. Position the two (2) supplied strengthening brackets (P/N 111140 - right and P/N 111141 - left) to the front chassis extension. The side of the brackets should be positioned under the radiator bracket side tab and loosely attached with the side bolt.

NOTE: The side tab of the lower radiator mounting bracket may be pried slightly outward to allow the strengthening bracket to be installed.

15. Carefully inspect the weld nuts located in the chassis extension to which the stabilizer mount attaching bolts affix for damaged threads.

If there is any indication of damaged threads, the threads must be replaced by the use of a Helicoil.

Install a 10 mm Helicoil (DMC P/N SP10534) as per the manufacturer's instructions.

NOTE: Loctite 270 must be used when installing the Helicoil and allow at least 40 minutes for the Loctite to cure.

16. Locate stabilizer bar into lower control arms and position bar to chassis extension.
17. Reinstall the stabilizer bar rubber mounts.

NOTE: The "rounded" side of the mounts should face forward.

18. Reposition the original clamp spacers and the supplied stabilizer mount clamps (P/N 108998) and secure to the chassis extension with the supplied bolt spacers (P/N 111205), the original lock washers and the supplied bolts (P/N 111204) after the bolts are coated with Loctite 242 (See Figure 2). Torque to 35 mm (26 ft.lb.).

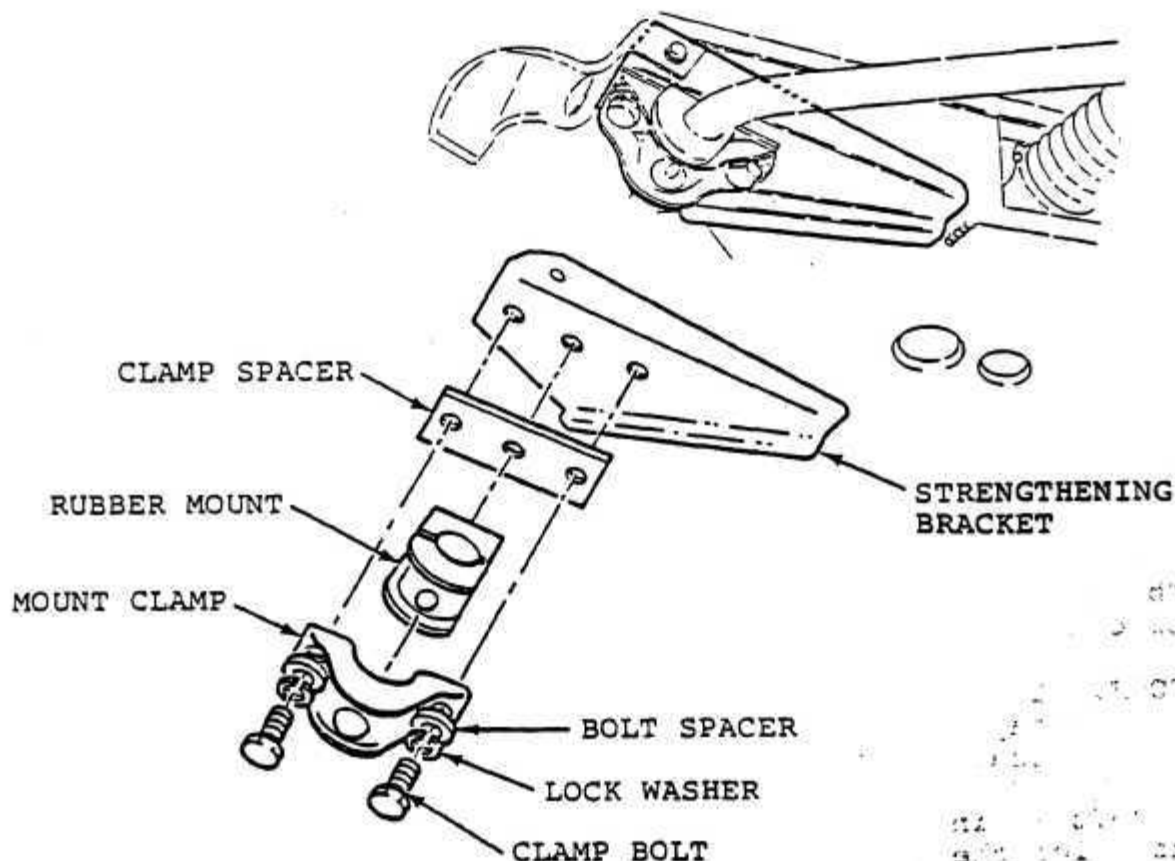


FIGURE 2

19. Reinstall stabilizer bar end washers and coat stabilizer bar end stud threads with Stud N-Bearing Mount Loctite or Stud N-Bearing Mount Permatext. Install supplied nut (thinner P/N SP10050) and torque to 60 NM (44 ft.lb.).

20. Recoat remainder of the thread with Stud N-Bearing Mount Loctite Stud N-Bearing Mount Permatex and install supplied nut (thicker P/N SP10330) and torque to 90 NM (68 ft.lb.). When performing this step, ensure that the thin nut installed in Step 19 does not move.
21. Color code of all areas of rework with blue paint;
 - upper and lower ball joint nuts
 - both stabilizer bar mountings
 - end stabilizer bar mountings
22. Position and secure front wheels. Torque to 80 NM (59 ft.lb.).
23. Lower car on a hoist. Raise rear sunshade louver and engine cover.
24. For identification purposes, apply a blue paint dot to the engine bulkhead approximately two (2) inches to the left of the engine cover stay base.
25. Close the engine cover and sunshade louver.

REIMBURSEMENT INFORMATION

Campaign Code RA-0001
Transaction Code 30
Labor Operation/Time Allowance

Oper. No. 00511 at 1.1 hr. (for cars not previously campaigned)

Oper. No. 00512 at 1.0 hr. (for cars having initial campaign RA-0001 performed)

PARTS REQUIRED

1 complete kit P/N 109269
Kit includes:

<u>Qty.</u>	<u>Part</u>	<u>Number</u>
4	castellated nuts	SP10877
4	cotter pins	SP10340
	strengthening brackets:	
1	right	111140
1	left	111141
	stabilizer bar end nuts:	
2	inner (thinner)	SP10050
2	outer (thicker)	SP10330
2	stabilizer bar mount clamps	108998
4	stabilizer bar clamp bolts	111204
4	stabilizer bar clamp bolt spacers	111205



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-04-1/82

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY CAMPAIGN NOS. RA-0001 and RA-0002

Attached please find a listing of vehicles assigned to your dealership for repair and follow up showing V.I.N. numbers, owners' names, and addresses as per Service Bulletins SC-01-1/82, Recall Action RA-0002, and SC-03-1/82, Recall Action RA-0001.

The attached listing is an amendment to the attachment you received with your Service Bulletins SC-01-1/82 and SC-03-1/82 as it includes stock and retail vehicles.

A handwritten signature in cursive script, reading "W A Charles".

William A. Charles
Director, Service/Parts

WAC:mtc

Attachment

Issued 1/27/82



DE LOREAN MOTOR CARS OF AMERICA
Division of De Lorean Motor Company

SERVICE BULLETIN

NUMBER SC-05-1/82

CATEGORY: SAFETY CAMPAIGN
ATTENTION: ALL DMC SERVICE MANAGERS/PARTS MANAGERS
SUBJECT: SAFETY CAMPAIGN RA-0002
THROTTLE CABLE ASSEMBLY

Please be advised that the part number for the complete parts kit was incorrectly printed for Service Bulletin SC-01-1/82 dated 1/20/82.

The correct kit part number is 109268.

Please inform all personnel concerned.

William A. Charles
Director, Service/Parts

WAC:ak

Issued 1/28/82



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER SC-06-7/82

ISSUED 7/16/82

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY CAMPAIGN NO. RA-0003 (RECALL)
INERTIA SWITCH
ALL 1981 MODEL YEAR VEHICLES - VIN 560-7199
1982 MODEL YEAR VEHICLES - VIN 10001-11127

DMC is initiating the above referenced safety campaign because it has been determined that a safety related problem exists with the inertia switch.

There are two modes of malfunction:

- A) The inertia switch can go to an open circuit condition which will result in the fuel pump becoming inoperative.
- B) In the event of a collision, the inertia switch's internal contacts may remain closed and therefore would not interrupt fuel pump operation.

We are requesting DMC dealers to replace and relocate the inertia switch on all 1981 model year DMC vehicles from VIN 560 to 7199 and replace the inertia switch on 1982 model year vehicles from VIN 10001 to 11127.

NOTE: The inertia switch for 1982 was relocated in production.

Notice: Vehicles modified at the Quality Assurance Centers prior to shipment to dealers can be identified by white paint markings on the inertia switches. However, dealers should verify this modification on all vehicles within the above VIN range during pre-delivery inspection.

Enclosed please find:

- 1) A copy of the notification letter sent to all De Lorean owners.
- 2) Repair procedures and reimbursement instructions.

Continued. . .

PART SUPPLY

An initial supply of five kits (P/N 109277) will be shipped to you free of charge for arrival by July 19, 1982.

Additional kits can be ordered through the DMC Parts Department. These additional kits will also be shipped free of charge.

IMPORTANT NOTICE

ALL CAMPAIGN PART ORDERS MUST INCLUDE THE CORRESPONDING VIN(S) OF THE VEHICLES REQUIRING THE KITS.

VIN LISTING

A listing of vehicles assigned to your dealership for repair and follow up showing VIN(S), owners names and addresses will be mailed to you.

For further information concerning recall campaign procedures, please refer to "Dealer Functions" in your DMC Service Procedures Manual, Section 6, Subsection 02, Page 2.

It is essential to bring this campaign to a rapid conclusion. We request that all DMC dealers actively follow up with owners and perform this campaign as quickly as possible.

Please inform all personnel accordingly.



R.D. Whitehouse
National Service Manager

RDW/psg

Attachments
Enclosures



DE LOREAN MOTOR COMPANY

IMPORTANT - SAFETY RECALL NOTICE

Dear De Lorean Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

De Lorean Motor Company has determined that a defect which relates to motor vehicle safety exists in the fuel cutoff system of 1981 and 1982 De Lorean vehicles. An inertia switch designed to cut off the fuel pump during accidental impact may not operate properly, allowing the fuel system to continue in operation after an accident with possible fire hazard.

De Lorean Motor Company will correct the defect without charge by replacement of the inertia switch at any authorized De Lorean dealer. The estimated repair time is under 30 minutes. Dealers will receive necessary parts and instructions by July 19, 1982. Contact your dealer immediately for an appointment.

If you are not satisfied with the service you receive, please notify us immediately. If you no longer own your De Lorean, please complete and mail the enclosed postage free reply card. If you believe that De Lorean Motor Company or your dealer has failed or is unable to perform this work without charge or within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, Washington, D.C. 20590, or you may call the toll free Auto Safety Hotline at 800-424-9393 (Washington, D.C. area residents call 426-0123).

Sincerely,

DE LOREAN MOTOR COMPANY

RA-0003
#82V-030
7/16/82

PROCEDURES - 1981 MODEL

- 1) To gain access to the mounting location, partially remove the carpeting from the hood release handle area of the left kick panel.
- 2) With ignition switch off, disconnect the electrical connector, partially remove the service interval mileage counter bracket located in the driver's footwell to gain access and remove the inertia switch.

NOTE: Retain the removed switch for return shipment.

- 3) Using the "broken line" portion of the diagram in Figure 1 as a template, mark the two (2) pilot hole locations as indicated.
- 4) Drill two 3.9 mm (5/32 inch) pilot holes at the marked positions.
- 5) Position and secure the new inertia switch (P/N 111209) with the supplied screws (P/N SP 10828) in its new location.

NOTE: New switches can be identified by a white paint marking on the face of the switch body.

- 6) Connect the electrical connector to the inertia switch.
- 7) Perform the following test procedures:
 - a) With the inertia switch plunger in the down position, start the engine.
 - b) With the engine running, lift the inertia switch plunger the engine should stall.
- 8) Reset the switch by depressing its plunger (down position).
- 9) Reposition the carpeting.

PROCEDURES - 1982 MODEL

The 1982 model year vehicles have the inertia switches in the re-located position, therefore, only replacement is required.

PARTS REQUIRED

1 Complete Kit P/N 109277

Kit includes:

<u>QTY</u>	<u>PART</u>	<u>NUMBER</u>
1	Inertia Switch	111209
2	Screws	SP10828

PROPERTY MAKE YEAR	1	10
PROPERTY MAKE	2	1
PROPERTY MAKE	3	
CERTIFICATE	4	
CERTIFICATE	5	
CERTIFICATE	6	
CERTIFICATE	7	
CERTIFICATE	8	
CERTIFICATE	9	
CERTIFICATE	10	
CERTIFICATE	11	
CERTIFICATE	12	
CERTIFICATE	13	
CERTIFICATE	14	
CERTIFICATE	15	
CERTIFICATE	16	
CERTIFICATE	17	
CERTIFICATE	18	
CERTIFICATE	19	
CERTIFICATE	20	
CERTIFICATE	21	
CERTIFICATE	22	
CERTIFICATE	23	
CERTIFICATE	24	
CERTIFICATE	25	
CERTIFICATE	26	
CERTIFICATE	27	
CERTIFICATE	28	
CERTIFICATE	29	
CERTIFICATE	30	
CERTIFICATE	31	
CERTIFICATE	32	
CERTIFICATE	33	
CERTIFICATE	34	
CERTIFICATE	35	
CERTIFICATE	36	
CERTIFICATE	37	
CERTIFICATE	38	
CERTIFICATE	39	
CERTIFICATE	40	
CERTIFICATE	41	
CERTIFICATE	42	
CERTIFICATE	43	
CERTIFICATE	44	
CERTIFICATE	45	
CERTIFICATE	46	
CERTIFICATE	47	
CERTIFICATE	48	
CERTIFICATE	49	
CERTIFICATE	50	
CERTIFICATE	51	
CERTIFICATE	52	
CERTIFICATE	53	
CERTIFICATE	54	
CERTIFICATE	55	
CERTIFICATE	56	
CERTIFICATE	57	
CERTIFICATE	58	
CERTIFICATE	59	
CERTIFICATE	60	
CERTIFICATE	61	
CERTIFICATE	62	
CERTIFICATE	63	
CERTIFICATE	64	
CERTIFICATE	65	
CERTIFICATE	66	
CERTIFICATE	67	
CERTIFICATE	68	
CERTIFICATE	69	
CERTIFICATE	70	
CERTIFICATE	71	
CERTIFICATE	72	
CERTIFICATE	73	
CERTIFICATE	74	
CERTIFICATE	75	
CERTIFICATE	76	
CERTIFICATE	77	
CERTIFICATE	78	
CERTIFICATE	79	
CERTIFICATE	80	
CERTIFICATE	81	
CERTIFICATE	82	
CERTIFICATE	83	
CERTIFICATE	84	
CERTIFICATE	85	
CERTIFICATE	86	
CERTIFICATE	87	
CERTIFICATE	88	
CERTIFICATE	89	
CERTIFICATE	90	
CERTIFICATE	91	
CERTIFICATE	92	
CERTIFICATE	93	
CERTIFICATE	94	
CERTIFICATE	95	
CERTIFICATE	96	
CERTIFICATE	97	
CERTIFICATE	98	
CERTIFICATE	99	
CERTIFICATE	100	
CERTIFICATE	101	
CERTIFICATE	102	
CERTIFICATE	103	
CERTIFICATE	104	
CERTIFICATE	105	
CERTIFICATE	106	
CERTIFICATE	107	
CERTIFICATE	108	
CERTIFICATE	109	
CERTIFICATE	110	
CERTIFICATE	111	
CERTIFICATE	112	
CERTIFICATE	113	
CERTIFICATE	114	
CERTIFICATE	115	
CERTIFICATE	116	
CERTIFICATE	117	
CERTIFICATE	118	
CERTIFICATE	119	
CERTIFICATE	120	
CERTIFICATE	121	
CERTIFICATE	122	
CERTIFICATE	123	
CERTIFICATE	124	
CERTIFICATE	125	
CERTIFICATE	126	
CERTIFICATE	127	
CERTIFICATE	128	
CERTIFICATE	129	
CERTIFICATE	130	
CERTIFICATE	131	
CERTIFICATE	132	
CERTIFICATE	133	
CERTIFICATE	134	
CERTIFICATE	135	
CERTIFICATE	136	
CERTIFICATE	137	
CERTIFICATE	138	
CERTIFICATE	139	
CERTIFICATE	140	
CERTIFICATE	141	
CERTIFICATE	142	
CERTIFICATE	143	
CERTIFICATE	144	
CERTIFICATE	145	
CERTIFICATE	146	
CERTIFICATE	147	
CERTIFICATE	148	
CERTIFICATE	149	
CERTIFICATE	150	
CERTIFICATE	151	
CERTIFICATE	152	
CERTIFICATE	153	
CERTIFICATE	154	
CERTIFICATE	155	
CERTIFICATE	156	
CERTIFICATE	157	
CERTIFICATE	158	
CERTIFICATE	159	
CERTIFICATE	160	
CERTIFICATE	161	
CERTIFICATE	162	
CERTIFICATE	163	
CERTIFICATE	164	
CERTIFICATE	165	
CERTIFICATE	166	
CERTIFICATE	167	
CERTIFICATE	168	
CERTIFICATE	169	
CERTIFICATE	170	
CERTIFICATE	171	
CERTIFICATE	172	
CERTIFICATE	173	
CERTIFICATE	174	
CERTIFICATE	175	

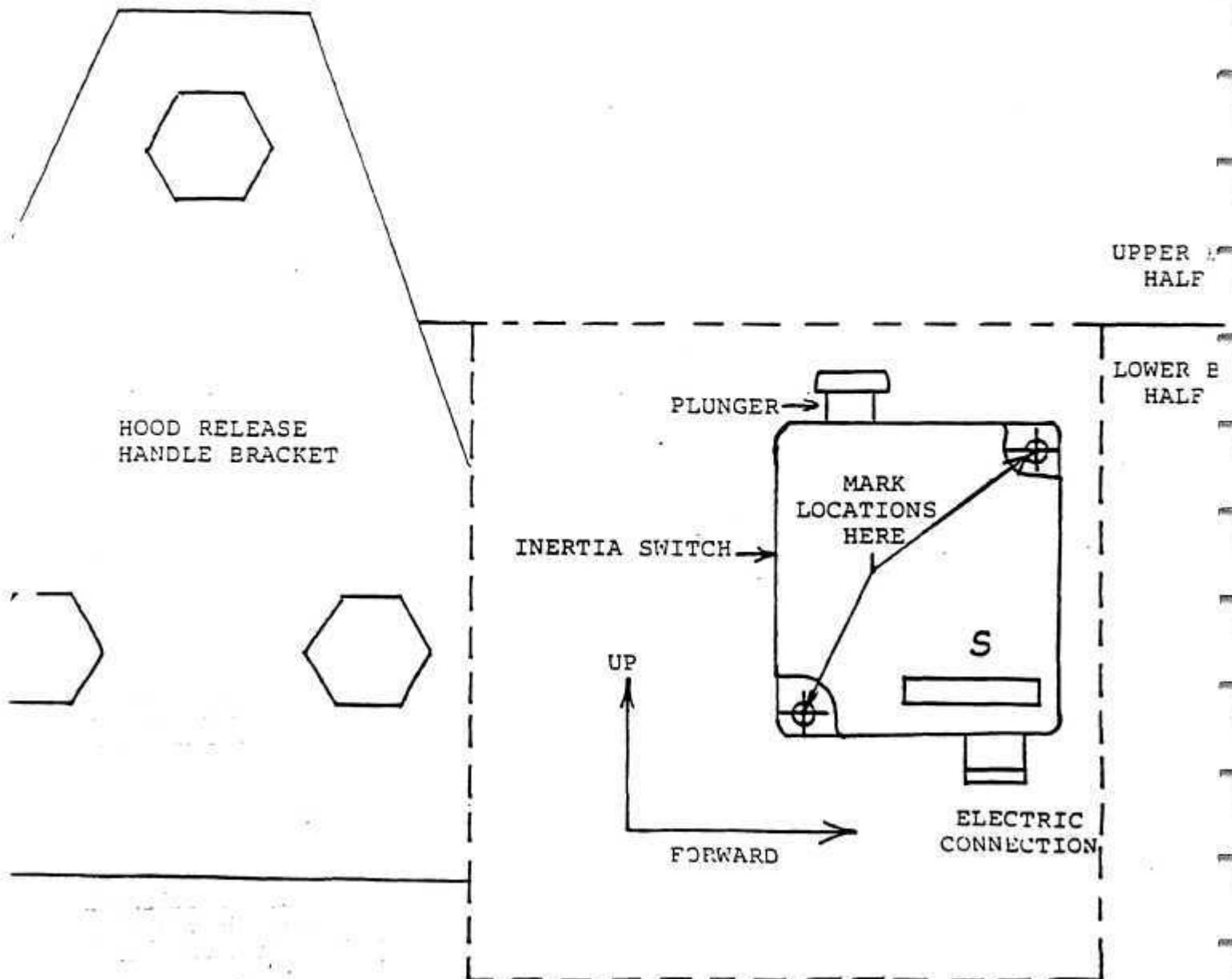


FIGURE 1
(actual size)



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER

PA-01-7/81

July 31, 1981

CATEGORY: ACCESSORIES

ATTENTION: DE LOREAN PARTS MANAGERS

SUBJECT: ACCESSORY FLOOR MATS A1000020

We have discovered that the manufacturer of the accessory De Lorean floor mats has had a malfunction in the heat treatment of the mats causing the black dye to adhere improperly as well as leaving a dye residue. Accordingly, we wish to replace all floor mats.

Due to a change of equipment at the manufacturer, it will take up to three weeks before complete replacement stock can be built up. Please assure your customers who have purchased floor mats that this matter will be taken care of very quickly. In turn, please notify us of your immediate need of mats for customer and stock replacement.

Also fill out a Request for Return/Credit Form and send it in with your stock of floor mats to be replaced and we will forward replacement mats as these become available. If any damages have occurred due to improperly dyed floor mats, please state such damage on the form, as we will assume all responsibility for any damages.

We regret this inconvenience.

Sincerely,

A handwritten signature in cursive script, reading "Leif R. Montin".

Leif R. Montin
National Parts Manager



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PA-03-8/81

CATEGORY: ACCESSORIES
ATTENTION: DEALER/PARTS MANAGER
SUBJECT: ACCESSORY LUGGAGE RACK A3000010

Under separate cover via United Parcel Service, we have forwarded one (1) sample or quantity as ordered of the DMC Accessory Luggage Rack, part number A3000010.

As mentioned previously, the sample accessory is for your consideration and is being charged to your parts account, but can be returned for full credit within thirty (30) days from date of invoice should you elect not to carry this item in your inventory.

The DMC Accessory Ski Rack Adapter, part number A3000020 and a DMC Accessory Luggage Protector Bag, part number A3000015 will be available shortly.

Part No.	Description	Dlr. Net	Sugg. List
A3000010	Luggage Rack	174.52	268.76
A3000015	Luggage Protector Bag	66.36	120.65
A3000020	Ski Rack Adapter	50.00	90.91

Orders for all of the above DMC accessories can be submitted to DMC Parts Order Department for deliveries when available.

Sincerely,

Leif R. Montin
National Parts Manager

LRM:cc

Issued 8/31/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PA-04-10/81

CATEGORY: ACCESSORIES
ATTENTION: DEALER/PARTS MANAGER
SUBJECT: DMC CAR CARE PRODUCTS

We have now concluded the extensive testing of the De Lorean Stainless Steel Car Care Products with excellent result.

The products are now in production and will be available for distribution within the next few weeks.

For your information and ordering, the following part numbers are involved:

<u>Custom Car Care Kit</u>	<u>DMC Part Number</u>	<u>A4000100</u>
----------------------------	------------------------	-----------------

This kit is a specially designed carrying box including:

Stainless Steel Blending Pads
Stainless Steel Cleaner/Sealer
Stainless Steel Car Shampoo
Leather, Vinyl, Fiberglass Protector

The above items are also available in one gallon containers for dealer use with part numbers as follows:

Stainless Steel Cleaner/Sealer	DMC Part Number	A4000110
Stainless Steel Car Shampoo	DMC Part Number	A4000120
Leather, Vinyl, Fiberglass Protector	DMC Part Number	A4000130

(Cont.)


Pricing

Part Number	Description	Dlr Net	Sugg. List
A4000100	Car Care Kit	16.40	32.80
A4000110	Stainless Steel Cleaner/Sealer	25.38	42.30
A4000120	Stainless Steel Car Shampoo	12.23	20.88
A4000130	Leather, Vinyl, Fiberglass Protector	22.31	37.18

Our Parts Order Department will accept orders for shipment as soon as these products are available.

DE LOREAN MOTOR CO.

Parts Department



Leif A. Montin

National Parts Manager

Issued 10/16/81

REIMBURSEMENTS

L A B O R

De Lorean Motor Company (DMC) reimburses authorized DMC dealers for labor reimbursable by DMC as follows:

ESTABLISHED LABOR OPERATIONS AND TIME ALLOWANCE

The time allowance multiplied by the "DMC Labor Reimbursement Rate."

NOT ESTABLISHED LABOR OPERATIONS OR TIME ALLOWANCE

The reasonable actual time used (punched time) multiplied by the "DMC Labor Reimbursement Rate."

SUBLET/OTHER LABOR - SEE OTHER REIMBURSEMENTS

REI B U R S E M E N T S

P A R T S

DeLorean Motor Company (DMC) reimburses authorized DMC dealers for parts reimbursable by DMC as follows:

GENUINE AND DMC SUPPLIED PARTS

The amount shown under "DMC Reimbursement" in the DMC parts price list. This amount is calculated as follows:

Dealer Net x 25% allowance for dealer handling
Dealer Net x 2% allowance for small parts whether used or not
Dealer Net + 27% Reimbursement

SMALL PARTS

Small parts of less than \$1.00 list price are excluded from reimbursement on an individual basis and are covered by the 2% small parts allowance. Such parts should therefore not be listed on claims; they also do not show a DMC reimbursement amount in the DMC parts price list.

EXCLUSIONS

The aforementioned reimbursement calculations do not apply for some selected items such as major units or high cost items that require authorizations.

Handling and small parts allowance for such items will be calculated on an individual basis, and a DMC reimbursement amount is also not shown in the DMC price list.

In no event will any DMC reimbursement for genuine DMC components exceed the DMC suggested list price.

OTHER/SUBLET PARTS

See other reimbursements.

REIMBURSEMENT CALCULATIONS/EFFECTIVE DATE (PARTS):

Reimbursement amounts are calculated at the reimbursement prices in effect at the time of processing at the DMC Service Processing Center.

OTHER REIMBURSEMENTS

De Lorean Motor Company (DMC) reimburses DMC Dealers as follows for:

SUBLET LABOR

The actual reasonable amount paid by the DMC Dealer to the sublet shop, without any dealer mark-up.

BODY SHOP LABOR (DEALER OWNED BODY SHOP)

Sheet metal & trim work - body shop repair order is treated like a sublet repair order.

Mechanical work - same as mechanical labor.

FLAT LABOR/FLAT PARTS - DOLLARS

The dollar amount allowed, authorized or agreed upon.

EXCISE TAXES

The amount of the actual tax incurred or applicable portion thereof.

FREIGHT (WARRANTY PARTS SUBMISSION)

The actual freight cost incurred.

SUBLET PARTS

The actual reasonable amount paid by the DMC Dealer to the sublet shop without any dealer mark-up. Any genuine DMC parts used during a sublet repair are reimbursed at the rate applicable to genuine DMC components.

OTHER NON-GENUINE PARTS/MATERIALS/FLUIDS/LUBRICANTS

Other parts and materials used during warranty repairs at the DMC Dealer are reimbursed at the actual dealer cost plus ten percent for handling.

Fluids and lubricants used during warranty repairs are reimbursed according to the following schedule:

	<u>Part #</u>	<u>QTY</u>	<u>Reimbursement</u>	<u>This allows for:</u>
FREON CHARGE	(W-106788)	1	\$6.30	3.75 pounds = 1 1/2 charge: 1/2 charge for testing, 1 charge for system fill to complete the repair
ENGINE OIL	(W-100559)	1	\$10.25	7 quarts refill to complete the repair
TRANSMISSION OIL	(W-100560)	1	\$4.55	3.9 quarts refill to complete the repair
AUTOMATIC TRANSMISSION FLUID	(W-100561)	1	\$9.15	6 quarts refill to complete the repair
AUTOMATIC TRANSMISSION FINAL DRIVE	(W-100562)	1	\$2.10	1.8 quarts refill to complete the repair
ANTIFREEZE	(W-100565)	1	\$7.55	1.45 gallons to refill system to

LABOR REIMBURSEMENT RATE

DMC LABOR REIMBURSEMENT RATE

GENERAL: The DMC Mechanical Labor Reimbursement Rate applies to all valid transactions of DMC Dealers that are reimbursable by DMC.

OPTION A: Retail Rate (Requires Posting and Stating of the Effective Retail Rate).

The DMC Labor Reimbursement Rate is equal to the stated posted effective mechanical retail rate of a DMC Dealership.

LIMITATIONS

If such rate exceeds the average effective rates applicable to other franchised makes handled by the DMC Dealership and/or effective retail rates of other new vehicle dealers in the DMC Dealer's immediate trade area, the DMC Labor Reimbursement Rate will be limited to be no more than 10% above such average rates, unless the DMC Dealer can show that the average hourly mechanical pay rate for the DMC technicians is higher than 110% of the average hourly mechanical pay rate for other makes in the DMC Dealer's Service Department or immediate trade area.

OPTION B: Calculated Rate (Procedure for Start Up).

If a DMC Dealer does not wish to state and post the effective retail rate, the DMC reimbursement rate shall be equal to: 255% of the average basic wage paid to the service technician(s) principally assigned to perform maintenance and repair work on DMC vehicles. In no event shall the calculated rate exceed the effective retail rate.

BASIC WAGE MEANS

Hourly/Salaried - The basic hourly wage without any benefits or efficiency allowance.

Split Pay System - The hourly amount applicable to service technicians' pay without benefit or efficiency allowance.

PROCEDURE FOR ESTABLISHING DMC LABOR REIMBURSEMENT RATE

In order to establish a new or updated DMC Labor Reimbursement Rate, the dealer must complete the "Application for Labor Reimbursement Rate."

Forms may be obtained by ordering DMC Part # F-200001 (Option A) or F-200002 (Option B).

Upon completion, your dealer's signature must be notarized. The forms must be forwarded to the DMC Service Department, which will inform your dealership in writing of the newly established and approved DMC Labor Reimbursement Rate and its effective date.

WARRANTY CLAIMS - PROCEDURES

GENERAL:

- Each individual repair requires a separate transaction entry.
- Up to 3 individual repairs of one repair order may be entered on one form.
- If more than 3 repairs, prepare additional form and attach to the first form.

ATTACHMENTS REQUIRED:

- A) Repair order
- B) Sublet bill (if applicable)

REPLACED PARTS: Identify with DMC parts tag and submit together with the claim, except - fuel tanks, glass, large items which must be stored until disposition by DMC.

CLAIM COMPLETION: Entries are required on the shaded lines. Enter line 8-11 only if applicable.

LABOR OPERATION AND TIME (REGULAR):

Operation # AT 000 Time: The actual clocked time in time units.
(100 units = 1 hour)

LABOR OPERATION AND TIME (SUBLET):

Operation # SL 000 Time: As shown on the sublet bill.

CLAIM SUBMISSION: Retain pink copy, mail or ship to: De Lorean Motor Company,
2055 S. E. Main St., Irvine, CA 92714
Attention: Technical Service



SERVICE TRANSACTION GENERAL

8A0000 - 8A9999
8B0000 - 8B9999

A Document Main Data	
REFERENCE #	BA 0000
Product Code No. 1	
DMC DEALER No. 2	
Repair Order No. 3	
Repair Order Date 4	
Alt. No. 5	
Service Date 6	
Repair Center Date 8	
Sublet Reading 9	
Hourly Labor Rate 10	
Sublet Rate 11	
Street Address 12	
City 13	
State 14	
Zip Code 15	
SIGNATURE & DATE	

- * LINE 8-1 If transaction code 41 is used (Request for Adjustment) a detailed explanation must be given.
- * LINE 8-8 Attach previous repair order or invoice (parts counter tickets).
- * LINE 8-13 Attach repair order - sublet bill and freight bill (attach only once if more than one damage).

* TOTAL LABOR IF OPERATIONS BELOW ARE USED
 A1000 - Actual punched time attach repair order
 D1000 - Diagnosis time attach repair order
 S1000 - Sublet labor attach sublet bill
 F1000 - Flat labor requires authorization number

* TOTAL PARTS IF BELOW PART #S ARE USED
 W-20001 - Flat parts authorization is required
 W-20002 - Sublet other parts attach sublet/other parts bill
 W-200100 - Warranty return parts freight attach freight bill or warranty parts return shipment

Mail Date	17
Received Date	18
File No.	19

B Transact. Data		LABOR				Time	\$	c	PARTS		Qty.	\$	c
Transaction Code	1												
Transaction No.	2												
Product Code	3												
Customer Code	4												
Location Code	5												
Workshop Code	6												
Supplier Code	7												
Product Code	8												
Product Code	9												
Product Code	10												
Product Code	11												
Product Code	12												
Product Code	13												
TOTAL LABOR TIME & \$													
TOTAL PARTS \$													
TOTAL CLAIM \$													
PARTS DISPOSITION													

Transaction Code	1												
Transaction No.	2												
Product Code	3												
Customer Code	4												
Location Code	5												
Workshop Code	6												
Supplier Code	7												
Product Code	8												
Product Code	9												
Product Code	10												
Product Code	11												
Product Code	12												
Product Code	13												
TOTAL LABOR TIME & \$													
TOTAL PARTS \$													
TOTAL CLAIM \$													
PARTS DISPOSITION													

Transaction Code	1												
Transaction No.	2												
Product Code	3												
Customer Code	4												
Location Code	5												
Workshop Code	6												
Supplier Code	7												
Product Code	8												
Product Code	9												
Product Code	10												
Product Code	11												
Product Code	12												
Product Code	13												
TOTAL LABOR TIME & \$													
TOTAL PARTS \$													
TOTAL CLAIM \$													
PARTS DISPOSITION													



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SW-02-6/81

CATEGORY: WARRANTY

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SERVICE TRANSACTION CODES

The Service Transaction Codes listed below must be used when completing DMC Service Transaction Forms. The properly selected code must be entered on Line B-1 (Transaction Code) of the Service Transaction form.

<u>CODE</u>	<u>DESCRIPTION</u>
20	Warranty Claim (vehicle)
31	Special Claim (transportation damage)
32	Special Claim (pre-delivery inspection)
33	Special Claim (free maintenance)

A detailed description of the above coding information will be published in the forthcoming Service Procedures Manual. In addition, refer to Service Bulletins SO-03-6/81 and SW-01-6/81.

Please inform all personnel concerned accordingly.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

ISSUED 6/24/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SW-03-8/81

CATEGORY: WARRANTY
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: STATUS REPORT - SERVICE TRANSACTIONS

Attached please find the STATUS REPORT #W-32-1/-- for DMC service transactions. If applicable this report may consist of three parts and will be issued by DMC on a weekly basis.

PART 1 STATUS

Contains all service transactions of a dealer processed during that week, their status, disposition, and if applicable, amounts claimed and credited.

PART 2 REQUESTS

Contains all service transactions for which DMC requests correction, additional information, documentation, etc.

PART 3 REQUEST FOR PARTS SUBMISSION

Contains those transactions for which DMC requests the submission of dealer retained warranty parts.

STATUS REPORT NO. (ALSO INVOICE NUMBER)

This number identifies the individual status report and also serves as an invoice number.

Example: S-42-1-AF

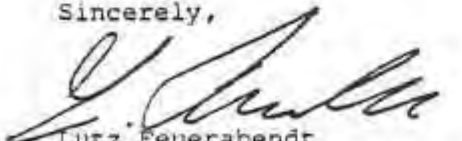
S = Service Transactions
42 = 42nd week of the year
1 = Year 198(1)
AF = Reference to dealer number

CONCILIATION/PAYMENT

Occurs via the monthly DMC dealer parts statement, identified by the status report/invoice number.

Please update your records and inform all personnel concerned.

Sincerely,


Lutz Feuerabendt
Technical Service Manager

attachment(s)

LF:dg

ISSUED 8/7/81

DATE _____

[ALSO INVOICE No., REF TO NEXT PARTS STATEMENT]

PART 1	STATUS
--------	--------

DNC DEALER No. _____

[illegible]

TRANSPORTATION CODES

20-CLAIM-WARRANTY

31-CLAIM-TRANSPORTATION DAMAGE

30-SPECIAL CLAIM-CAMPAIGN/SERV. ACTION

STATUS

F-FINAL.

P-PENDING*

*SEE STATUS REPORT

DISPOSITION CODES

01-ACCEPTED-PROCESSED

02-CREDIT

03-DISALLOWED-SEE COMMENTS

[illegible]

PLEASE MAKE ALL CORRECTIONS ON THE ATTACHED YELLOW CLAIM COPY AND RETURN COPY OF THIS FORM WITHIN 7 DAYS OF RECEIPT TOGETHER WITH THE YELLOW CLAIM COPY AND OTHER REQUIRED ITEMS.

PROCESSOR



STATUS REPORT No.

SERVICE TRANSACTIONS

PART 3 REQUEST FOR PARTS SUBMISSION

DNC DEALER No. _____

[illegible]

PLEASE RETURN COPY OF THIS FORM WITHIN 7 DAYS OF RECEIPT TOGETHER WITH THE REQUIRED PARTS.
ALL PARTS MUST BE IDENTIFIED WITH THE DMC WARRANTY PARTS TAG.

PROCESSOR: _____



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SW-04-8/81

CATEGORY: WARRANTY
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: WARRANTY PARTS SUBMISSION

Our initial observations indicate that a considerable portion of claims are received here without the corresponding replaced parts.

Please be reminded that Service Bulletin SW-01-6/81 page 15 states:

"REPLACED PARTS" Identify with DMC parts tag and submit together with the claim, except - fuel tanks, glass, large items which must be stored until disposition by DMC.

Please inform all personnel concerned accordingly.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:dg

ISSUED 8/14/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SW-05-9/81

CATEGORY: WARRANTY
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: WARRANTY SERVICE
TIRES
BATTERIES
RADIOS

As mentioned in the DMC warranty folder, the above items are covered by separate warranties with different steps that the vehicle owner must take to obtain warranty service.

TIRES: The vehicle owner should contact the local Goodyear Tire dealer. DMC dealers can also do this on behalf of the vehicle owner and should assist owners if necessary. (See DMC and Goodyear warranty folder).

BATTERIES: The vehicle owner should contact a local AC-Delco dealer. DMC dealers can also do this on behalf of the vehicle owner and should assist owner if necessary. (See DMC warranty folder).

RADIOS:

- A). The owner/or the DMC dealer on the owner's behalf should contact a local Craig warranty station who will remove, repair and reinstall the unit. The removal and installation of the unit is not covered by Craig's warranty and the owner may be charged for removal and reinstallation. However, the owner may present the paid bill for removal and installation to the DMC dealer for reimbursement. Dealers may claim such reimbursement via the DMC service transaction.
- B). The DMC dealer can remove the radio and have it repaired at a local Craig station and can claim removal and installation via the DMC service transaction.
- C). The DMC dealer can remove the unit and install a floater unit, which is part of the initial dealer parts kit, then claim removal and installation via the DMC service transaction. After the unit has been repaired by the Craig warranty station it should be returned to DMC dealer floater stock.

We trust this information clarifies the aforementioned procedures.
Please inform all personnel concerned.

Sincerely,

Eutz Feuerabendt
Technical Service Manager

ISSUED: 9/2/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SW-06-10/81

CATEGORY: WARRANTY

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: COMPLETION OF DMC SERVICE TRANSACTION FORM

One of the many functions of the DMC Service Transaction form is to provide specific information pertaining to vehicle malfunctions that may occur. This information is essential from the standpoint of quality control and engineering.

The Service Transaction form consists of four copies, each one serving a specific purpose. For this reason it is essential that all copies of the form be legible.

Therefore, effective October 15, 1981 submission date, Service Transaction forms received by our Technical Service Department that are not typewritten will be returned for correction.

In addition, it will be necessary to insert a brief description of the repair performed when applying any of the following labor codes:

AT000	-	Actual Punched Time
DT000	-	Diagnosis Time
SL000	-	Sublet Labor
FL000	-	Flat Labor

For clarification purposes we have attached an example of a completed DMC Service Transaction form reflecting performance of a P.D.I. service and two warranty repairs on a new vehicle.

Sincerely,

Lutz Feuerabendt
Technical Service Manager

LF:jh

Enclosure

ISSUED 10/1/81



SERVICE TRANSACTION GENERAL

0000 - BA999
BB0000 - BB999

A Document Main Data	
REFERENCE #	1
ous Ref No	2
DEALER NO.	3 01234
air Order No.	4 50714
air Order Date	5 7-28-81
Q. NO.	6 SCEDT26T8BD001162
very Date	7 IN STOCK
ir Compl Date	8 7-28-81
mr. Reading	9 30
ily Labor Rate	10 \$34.00
er Name	11
et Address	12
	13
ite	14
Code	15
GNATURE DATE	16

B Transact. Data		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION CODE	1 32 *	01001	1.5	51	00				
TRANSACTION NO	2 1								
Previous Trans. No	3								
Component Code	4								
Location Code	5								
Malfunction Code	6								
Supplier Code	7								
Excluded Item	8 *								
Excluded Item	9								
Excluded Item	10								
Excluded Item	11								
Excluded Item	12								
Freight Bill No	13 *	TOTAL LABOR TIME & \$	1.5	51	00				
						TOTAL PARTS \$			
						TOTAL CLAIM \$		51	00
						PARTS DISPOSITION			

TRANSACTION CODE		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION NO	2 20 *	AT000	.9	30	50				
Previous Trans. No	3	Repaired both door switches							
Component Code	4								
Location Code	5								
Malfunction Code	6								
Supplier Code	7								
Excluded Item	8 *								
Excluded Item	9								
Excluded Item	10								
Excluded Item	11								
Excluded Item	12								
Freight Bill No	13 *	TOTAL LABOR TIME & \$.9	30	50				
						TOTAL PARTS \$			
						TOTAL CLAIM \$			
						PARTS DISPOSITION			

TRANSACTION CODE		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION NO	2 20 *	AT000	.2	6	80				
Previous Trans. No	3	Replaced lambda counter assembly				101606	1	31	51
Component Code	4								
Location Code	5								
Malfunction Code	6								
Supplier Code	7								
Excluded Item	8 *								
Excluded Item	9								
Excluded Item	10								
Excluded Item	11								
Excluded Item	12								
Freight Bill No	13 *	TOTAL LABOR TIME & \$.2	6	80				
						TOTAL PARTS \$		31	51
						TOTAL CLAIM \$		38	01
						PARTS DISPOSITION			

INE B-1 If transaction code 41 is used (Request for Adjustment) a detailed explanation must be given

INE B-8 Attach previous repair order/invoice (parts counter ticket)

INE B-13 Attach repair order — sublet bill and freight bill (attach only once if more than one damage)

TOTAL LABOR IF OPERATIONS BELOW ARE USED

AT000 - Actual punched time attach repair order

DT000 - Diagnosis time attach repair order

ST000 - Sublet labor Attach sublet bill

FL000 - Flat labor requires authorization number

TOTAL PARTS IF BELOW PART #S ARE USED

W-200001 - Flat parts authorization is required

W-200002 - Sublet/other parts attach sublet/other parts bill

W-200100 - Warranty return parts freight attach freight bill of warranty parts return shipment

For BMC Use Only

Print Date	17
Invoice Date	18



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SW-07-10/81

CATEGORY: WARRANTY

ATTENTION: ALL DMC DEALER/SERVICE MANAGER

SUBJECT: PROCEDURES FOR SERVICE TRANSACTIONS

The purpose of this bulletin is to notify you that Service Bulletin SW-01-6/81 is now obsolete. Please post your records accordingly.

You should now refer to the DMC Service Procedures Manual and/or the Warranty Repair Times Manual which were forwarded to you with Service Bulletin SO-10-10/81.

A handwritten signature in dark ink, appearing to read "L. Feuerabendt".

Lutz Feuerabendt
Technical Service Manager

LF:mc

Issued 10/16/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-01-11/81

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY CAMPAIGN NO. RA-0001 (RECALL)
BALL JOINTS - STABILIZER BAR MOUNTINGS - V.I.N. 560 - 6650*

DMC is initiating the above-referenced safety campaign because it has been determined that a safety problem exists in the front suspension:

- A. The stabilizer bar is attached to the lower links and secured by a nut at each end. These nuts may loosen, causing partial or complete detachment of the stabilizer bar from the lower link assemblies. The forward mounting brackets for the stabilizer will be serviced at the same time.
- B. Each lower ball joint is mounted through the lower link and steering knuckles and secured by a nut. These nuts may loosen, causing partial or complete detachment of the ball joints. The upper ball joints will be serviced at the same time.

Enclosed please find:

1. A copy of the notification letter sent to all De Lorean owners, dated November 13, 1981.
2. Repair and reimbursement instructions.

Parts Supply

A supply of parts, determined by the number of cars DMC shipped to you, is being shipped free of charge for arrival by November 20.

V.I.N. Listing

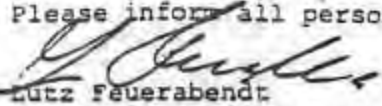
A listing of vehicles assigned to your dealership for repair and follow up showing V.I.N. numbers, owner's names, and addresses will be mailed to you during the week of November 16.

For further information, please refer to "Dealer Functions" in the DMC Service Procedures Manual, Section 6, Subsection 02, Page 2.

- * As of November 17, 1981, all vehicles will be modified by our Quality Assurance Centers prior to shipment to dealers. However, dealers should verify the modification on all vehicles prior to V.I.N. 6650 during pre-delivery service.

It is essential to bring this campaign to a rapid conclusion. We therefore ask all DMC dealers to actively follow up with all owners in their area and to repair the vehicles without delay.

Please inform all personnel accordingly.


Lutz Feuerabendt
Technical Service Manager

Issued 11/12/81

INSTRUCTIONS

SAFETY RECALL CAMPAIGN RA-0001

To perform the following operations Kit No. 109239 is provided consisting of:

4 Nuts	SP 10179	Ball Joints
4 Split Pins	SP 10340	Ball Joints
2 Plates	110678	Stabilizer Bar
2 Nuts	SP 10050	Stabilizer Bar Nut Thin
2 Nuts	SP 10330	Stabilizer Bar Nut Thick
4 Locking Tab Washers	110686	Stabilizer Bar Bracket

REPAIR PROCEDURE - BALL JOINTS

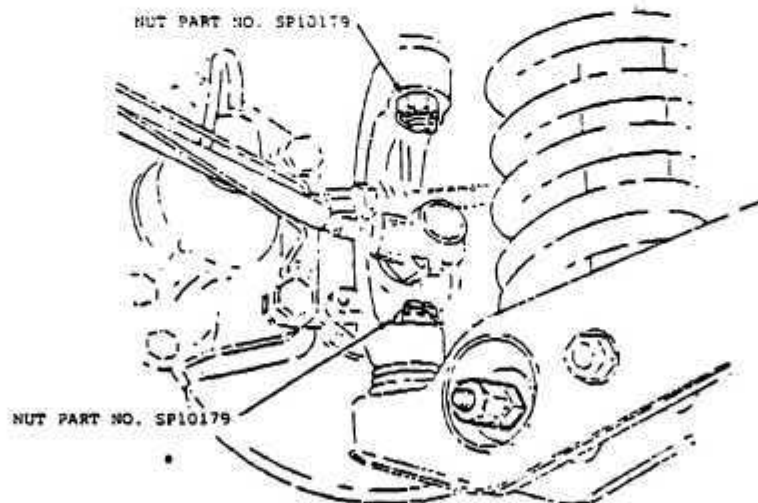


FIGURE 1

NOTE: ANY WORN OR DAMAGED PARTS OBSERVED DURING THE REPAIR OPERATION MUST BE REPLACED.

1. Place vehicle on suitable hoist.
2. Raise hoist to waist height and remove both front wheels.
3. Turn steering wheel to full right-hand lock.

CAUTION: SAFETY SUPPORT LOWER CONTROL ARM BEFORE PERFORMING STEP 4.

4. Remove left-hand existing ball joint upper and lower retaining nuts and discard.

5. Install castellated nuts Part No. SP 10179 to upper and lower ball joint. Torque to 50NM (37 ft/lbs.)
6. Using slots in nuts as guide, drill 3.3mm hole through the ball joint's threaded studs.
7. Remove metal shavings.
8. Insert split pins Part No. SP 10340 3mm x 26mm. Bend the pin ends - lower portion over nut and top portion over ball joint thread.
9. Repeat procedure for right-hand side upper and lower ball joints.

REPAIR PROCEDURE - STABILIZER BAR MOUNTING BRACKET

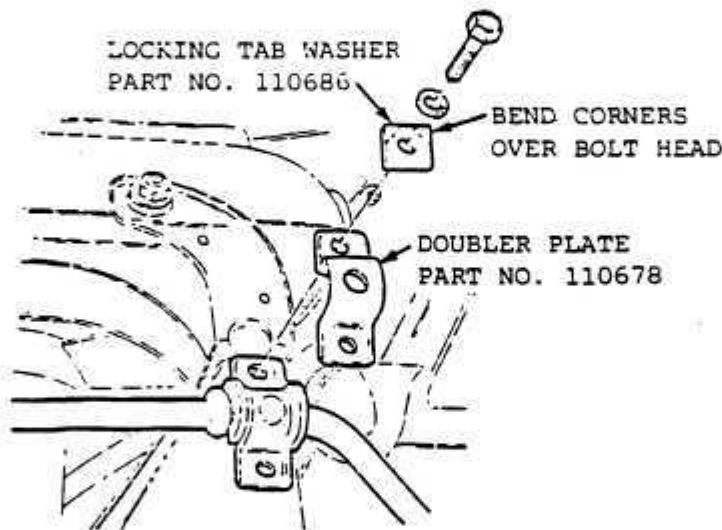


FIGURE 2

1. Raise hoist to full height.
2. Remove (one at a time) left and right-hand stabilizer bar bracket retaining bolts.

NOTE: DO NOT DISCARD BRACKETS OR FASTENERS.

3. Install reinforcement bracket Part No. 110678 over the existing bracket.
4. Install lock tab, lock washer and bolt as shown in Figure 2 (using existing lock washer and bolts).
5. Torque bolts to 35NM (26 ft/lbs).
6. Bend locking tabs as per Figure 2.

STABILIZER BAR TO LOWER LINK MOUNTINGS

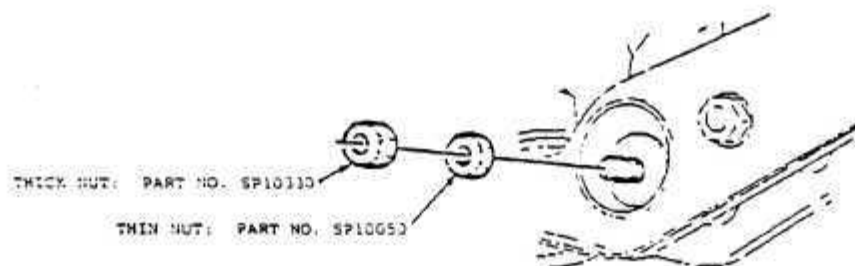


FIGURE 3

1. Remove existing nylock nut and discard.
2. Clean stabilizer bar threads.
3. Coat stabilizer bar threads with Stud-N-Bearing Mount Loctite or Stud-N-Bearing Mount Permatex. Install thin nut Part No. SP 10050 and torque to 60NM (44 ft/lbs).
4. Recoat remainder of the thread with Stud-N-Bearing Mount Loctite or Stud-N-Bearing Mount Permatex and install thick nut Part No. SP 10330 and torque to 90NM (68 ft/lbs). When performing Step 4, ensure that the thin nut doesn't rotate.
5. With red paint, color code all areas of rework: top and bottom ball joints, right and left-hand front stabilizer bar mountings, rear stabilizer bar mountings.
6. Lower hoist to waist level, mount road wheels and torque to specification 80NM (59 ft/lbs).



FIGURE 4

7. Lower vehicle to ground. Raise engine cover and apply a red paint dot, for identification purposes, to the engine firewall, approximately 2 inches to left of engine cover stay. (See Figure 4.)

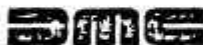
REPORTING/REIMBURSEMENT

Complete a DMC General Service Transaction for each vehicle. (See Service Procedures Manual, Section 4, Subsection 08, Page 1 and 2 for general instructions.)

Enter Specifically

Transaction Code	Line B-1	30		
Campaign Code	Line B-12	RA-0001	4	Vehicle Inspected and Repaired
Campaign Code		RA-0001	5	Vehicle Scrapped - Total Loss
Campaign Code		RA-0001	6	Owner Does Not Comply With Dealer Follow Up
Labor Operation Number		00510	Time - 0.7	
Parts		No Entry-Supplied Free of Charge		

SAMPLE



SERVICE TRANSACTION GENERAL

BA0000 - BA9999
BB0000 - BB9999

A Document Main Data	
REFERENCE #	1 3 5
Pre-Order Ref	2
BMC DEALER NO.	3 11774
Repair Order No.	4 4-0001
Repair Order Date	5 12/24/81
VIN	6 000956
Delivery Date	7 07/30/81
Repair Camp Date	8 12/24/81
Owner Response	9 00999
Hourly Labor Rate	10
Owner Name	11 A. SMITH
Street Address	12 118 Elm Street
City	13 Anytown
State	14 OH
Zip	15 43001
SIGNATURE & DATE	16 W. Clark 12/5/81

- LINE B-1 If TRANSLATION CODE 41 is used (request for Adjustments & Detailed Explanation) must be given.
- LINE B-8 Attach previous repair order/invoice (parts counter tickets).
- LINE B-13 Attach repair order - submit bill and freight bill (attach only once if more than one damaged).
- TOTAL CLAIM IF OPERATIONS BELOW ARE USED:
 AFRM - Actual quoted time
 DTG - Diagnosis time
 SLG - Sublet labor
 FLOD - Flat load
 Attach repair order
 Attach repair order
 Attach sublet bill
 Requires authorization number
- TOTAL PARTS IF BELOW PART #5 ARE USED:
 W-70001 - Flat parts
 W-70002 - Sublet/other parts
 W-70010 - Warranty return parts freight
 Attach repair order
 Attach sublet/other parts bill
 Attach freight bill of warranty parts return shipment

For BMC Use Only

Transaction	1
Reference	2
Pre-Order	3

B Transact. Data		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION CODE	1 30								
TRANSACTION NO.	2 1	00510	0.7						
TRANSACTION DATE	3								
CAMPAIGN CODE	4								
VEHICLE CODE	5								
WORKSHOP CODE	6								
LABOR CODE	7								
LABOR DATE	8								
LABOR TIME	9								
LABOR RATE	10								
LABOR NO.	11								
LABOR NO.	12 RA-0001								
LABOR NO.	13								
		TOTAL LABOR TIME & S	0.7	XXX	XX				
		TOTAL PARTS S							
		TOTAL CLAIM S				XXX	XX		
		PARTS DISPOSITION							

EXAMPLE OF VEHICLE REPAIRED BY DEALER

B Transact. Data		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION CODE	1 30								
TRANSACTION NO.	2 1	NONE				NONE			
TRANSACTION DATE	3								
CAMPAIGN CODE	4								
VEHICLE CODE	5								
WORKSHOP CODE	6								
LABOR CODE	7								
LABOR DATE	8								
LABOR TIME	9								
LABOR RATE	10								
LABOR NO.	11								
LABOR NO.	12 RA-0001								
LABOR NO.	13								
		TOTAL LABOR TIME & S							
		TOTAL PARTS S							
		TOTAL CLAIM S							
		PARTS DISPOSITION							

EXAMPLE OF TOTAL LOSS VEHICLE REPORT

B Transact. Data		LABOR	Time	\$	c	PARTS	Qty.	\$	c
TRANSACTION CODE	1 30								
TRANSACTION NO.	2 1	NONE				NONE			
TRANSACTION DATE	3								
CAMPAIGN CODE	4								
VEHICLE CODE	5								
WORKSHOP CODE	6								
LABOR CODE	7								
LABOR DATE	8								
LABOR TIME	9								
LABOR RATE	10								
LABOR NO.	11								
LABOR NO.	12 RA-0001								
LABOR NO.	13								
		TOTAL LABOR TIME & S							
		TOTAL PARTS S							
		TOTAL CLAIM S							
		PARTS DISPOSITION							

EXAMPLE OF NON-COMPLIANCE OF VEHICLE OWNER RETURN



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

SERVICE BULLETIN

NUMBER ST-08-10/82

Issued 10/18/82

CATEGORY: TECHNICAL

ATTN: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: BRAKE DISC RESURFACING
BULLETIN RENUMBERING

Please be advised that the service bulletin number for the above subject was incorrectly printed as ST-07-10/82.

THE CORRECT NUMBER SHOULD BE: ST-08-10/82.

We regret this inconvenience.

In addition, after resurfacing any disc, the brake pads must be inspected to assure they have a flat and parallel contact surface. If this cannot be achieved, new brake pads should be installed.

Please correct your bulletin number and inform all personnel accordingly.


John J. Patro
Technical Publications Manager

JJP:slb



DE LOREAN MOTOR COMPANY

IMPORTANT -- SAFETY RECALL NOTICE

TO ALL DE LOREAN OWNERS:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

De Lorean Motor Company has determined that a defect which relates to motor vehicle safety exists in the front suspension of 1981 De Lorean vehicles. The nuts fastening the stabilizer bar to the lower link and the lower ball joints to the lower link may become loose, possibly resulting in detachment of the stabilizer bar or lower ball joints.

If the nuts securing the stabilizer bar become loose, you may notice a pulsation in the front of the car when the brakes are applied or hear clunking noises from the front suspension. If the nuts securing the ball joints become loose, you may hear similar noises. If you notice such pulsation or hear such noises, stop the car or proceed with extreme caution to the nearest De Lorean facility. Failure to heed these warnings can result in vehicle crash or loss of control.

De Lorean Motor Company will correct the defect without charge by repair of the front suspension at any authorized De Lorean dealer. The stabilizer bar nuts will be replaced with pairs of locking nuts, supporting brackets will be augmented, and the ball joint nuts will be secured by the installation of pins through the ball joint shafts. The estimated repair labor time is one hour. Contact your dealer immediately to arrange a repair appointment. Dealers will receive necessary parts and instructions by November 20, 1981.

If you are not satisfied with the service you receive, or if you no longer own your De Lorean, please notify us immediately. Call 800-854-3088, toll-free. If you believe that De Lorean Motor Company or your dealer has failed or is unable to remedy the defect without charge or within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, Washington, D. C. 20590, or you may call the toll free Auto Safety Hotline at 800-424-9393 (Washington, D. C. area residents call 426-0123).

Sincerely,

DE LOREAN MOTOR COMPANY

RA-0001
11/13/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-02-11/81

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY CAMPAIGN NO. RA-0001 (RECALL)
BALL JOINTS - STABILIZER BAR MOUNTINGS

Attached please find a listing of vehicles assigned to your dealership to follow up and for completion of the above campaign.

This list consists of:

The V.I.N. No.'s of vehicles shipped to your dealership.

The original owner's name and address as reported via Dealers Retail Delivery Report.

The new owner's address if a change of ownership or address was reported.

All owners were mailed notification letters with the exception of those without an address or those with an incomplete address.

No Address or Incomplete Address

In these cases the notification letters were mailed to the respective DMC dealerships for verification/completion of the address and forwarding to the owners.

Change of Owner/Address Reporting

For all owners without an address or with an incomplete address, and also for those vehicles where an owner or address change is noted during the repair, DMC dealerships must complete and submit a Change of Owner/Address Report (See Service Procedures Manual Section 4, Subsection 01, Pages 1 and 2).

Vehicles on the listing without owner name or address are either dealer owned or in transit to the dealership or DMC has not yet received a Retail Report at the time of this listing.

Follow Up

Please refer to the DMC Service Procedures Manual, Section 6 for instruction. Your cooperation is appreciated.

Lutz Feuerabendt
Technical Service Manager

Attachment

Issued 11/17/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-03-11/81

CATEGORY: SAFETY CAMPAIGN

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: SAFETY CAMPAIGN RA-0001 (SERVICE BULLETIN SC-01-11/81)
RED PAINT MARKINGS - V.I.N. 2333 TO 5600

The factory has informed us that on vehicles from V.I.N. 2333 to 5600 a red paint marking on the ball joints and ball joint nuts has been used for other production identification reasons on vehicles affected by the above campaign.

Therefore, the red dot in the engine compartment and inspection of the ball joint nuts (must have castellated nuts and cotter pins) must be used to determine whether a vehicle has received the campaign work.

Please inform all personnel concerned.

Lutz Feuerabendt
Warranty Manager

LF:mc

ISSUED 11/20/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-04-11/81

CATEGORY: SAFETY CAMPAIGN
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: RECALL ACTION RA-0001
NUTS FOR BALL JOINTS/BALL JOINTS
ALTERNATE REPAIR PROCEDURES

Please observe the following when performing the repairs:

Ball Joint Nuts Part No. SP 10179

The repair kit contains 4 ball joint nuts. However, due to supply problems, a small number of kits may contain nuts that are slightly higher (11mm instead of 9mm). The higher nut (11mm) is useable, however, difficulties may be encountered when drilling the hole for the cotter pin after installing the nut on the upper ball joints. Due to the height of the nut, the drilled hole may be too close to the end of the ball joint stud which is case hardened and has a tapered hole. This condition may hamper drilling or cause breakage of the drill bit - cautious drilling may overcome this problem.

Part No. SP 10179, 9mm high nuts may be ordered through the DMC Parts Department.

Lower Ball Joint Threads

On a few vehicles lower ball joints with a larger diameter thread may be encountered, and the nuts supplied with the kit will not fit.

Option A: Obtain locally Grade 1, zinc plated castellated nuts 1/2 inch x 20 UNF.

Option B: Order nut through DMC Parts Department by description.

NOTE: The lower ball joint threaded stud may already be drilled, and in some cases the castellated nut cutouts may have to be filed deeper to allow insertion of a cotter pin. Do not over-torque to obtain clearance for the cotter pin, and do not drill a second hole in the ball joint stud.

In extenuating circumstances, the ball joints may be replaced.

Ball Joints From Spare Parts Stock

When installing any ball joints from parts stock, care should be taken to secure such ball joints as outlined in the campaign procedures.

Continued...

Issued 11/25/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER SC-04-12/81
Re-Issue

CATEGORY: SAFETY CAMPAIGN

Please mark Service Bulletin
SC-04-11/81 dated 11/25/81 as
superseded.

ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS

SUBJECT: RECALL ACTION RA-0001
NUTS FOR BALL JOINTS/BALL JOINTS
ALTERNATE REPAIR PROCEDURES

Please observe the following when performing the repairs:

Ball Joint Nuts Part No. SP 10179

The repair kit contains 4 ball joint nuts. However, due to supply problems, a small number of kits may contain nuts that are slightly higher (11mm instead of 9mm). The higher nut (11mm) is useable, however, difficulties may be encountered when drilling the hole for the cotter pin after installing the nut on the upper ball joints. Due to the height of the nut, the drilled hole may be too close to the end of the ball joint stud which is case hardened and has a tapered hole. This condition may hamper drilling or cause breakage of the drill bit - cautious drilling may overcome this problem.

Please inspect the repair kits received for 11mm nuts and order an equal quantity of 9mm replacement nuts using Part No. SP 10179.

Lower Ball Joint Threads/Nuts - V.I.N. 1794-3300

NEW

On these vehicles lower ball joints with a larger diameter thread may be encountered, and the nuts supplied with the kit will not fit. Therefore, the following nuts must be used:


Nut: Part No. SP 10861

Ball Joints From Spare Parts Stock

When installing any ball joints from parts stock, care should be taken to secure such ball joints as outlined in the campaign procedures.

Information regarding disposition of ball joints in spare parts stock will follow in the near future.

Please inform all personnel concerned accordingly.


Lutz Feuerabendt
Warranty Manager

NEW Enclosures: Initial Supply of 2 SP 10861

Issued 12/1/81



DE LOREAN MOTOR COMPANY

SERVICE BULLETIN

NUMBER: SC-01-1/82

CATEGORY: SAFETY CAMPAIGN
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS
SUBJECT: SAFETY CAMPAIGN NO. RA-0002
THROTTLE CABLE ASSEMBLY

DMC is initiating the above referenced campaign because it has been determined that a safety problem exists due to potential cable icing and/or binding.

Enclosed please find:

1. A copy of the notification letter sent to all De Lorean owners, dated January 21, 1982.
2. Repair and reimbursement instructions.

Parts Supply

A supply of parts, determined by the number of cars DMC shipped to you, is being shipped free of charge for arrival starting January 25, 1982.

V.I.N. Listing

A listing of vehicles assigned to your dealership for repair and follow up showing V.I.N. numbers, owners' names, and addresses will be mailed to you.

William A. Charles
Director, Service/Parts

WAC:ak

Attachments

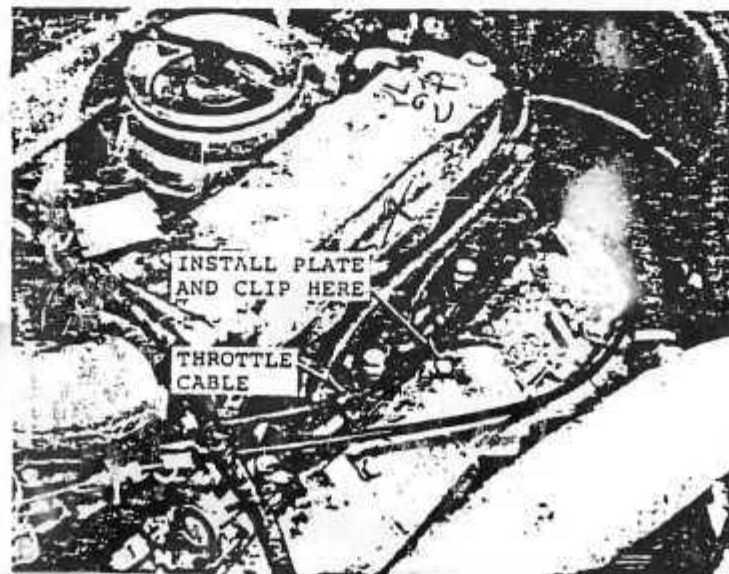
Issued 1/20/82

THROTTLE CABLE MODIFICATION

1. Allow the throttle cable to thaw.
2. Remove the air cleaner assembly and disconnect the throttle cable from the threaded adjuster. At the accelerator pedal, pull the cable through the cable housing leaving one inch of cable extending from the housing in the engine compartment.
3. Route the throttle cable and housing assembly over its mounting bracket. There should only be enough slack in the cable assembly to allow the cable housing to reach from the engine compartment bulkhead grommet to the return spring stop post. Cable housing length must be measured with the cable housing taut. Adjust the cable assembly length at the bulkhead grommet if necessary.

NOTE: If this cable assembly will not reach the return spring stop post and this length is less than 550 mm (23 inches) replace cable assembly.

4. Protect the carpet under the pedal box assembly with shop towels.
5. Fit a suitable length of rubber hose onto the cable housing with the other end fitted to a pump type oil can filled with a 55/45 mixture (ethylene-glycol/water) anti-freeze solution. Ensure a tight fit at both ends of the rubber hose.
6. Pump the anti-freeze solution through the cable housing until it exits at the accelerator pedal connection in a steady flow.
7. Pack the throttle cable threaded adjuster with Dow Corning Molykote #33 (medium weight) and reinstall the cable housing into its threaded adjuster (Figure 2).
8. Attach the cable plate and clip assembly (plate P/N 109267 & clip P/N SP10881) with the existing valve cover bolt at position shown in Figure 1. Ensure the cable clamp fits tightly to the cable housing and exerts cable housing pressure toward the threaded adjuster.



9. Install the supplied seal (P/N 111183) on the throttle adjuster as shown in Figure 2.

NOTE: Warming the seal may make fitting it to threaded adjuster easier.

10. Remove the outer throttle return spring. On cars equipped with automatic transmissions as illustrated in Figure 2, it will be necessary to remove "E" clip, bushing and plate.

Modify the outer return spring by taking the upper end of the spring and passing it over the top and under the first coil. (Figure 2)

Reinstall return spring and liberally lubricate the throttle spool and return spring with WD-40.

11. Install the four (4) internal tooth spring clips supplied (P/N SP10882) to groove in return spring stop post, as shown in Figure 2.
12. Reinstall the throttle cable to the throttle spool and adjust. Ensure the lower end of spring is placed under the spring clips install in Step 11.
13. With the throttle spool in full rest position the cable should be taut but not influence throttle spool position.
14. To achieve the above condition loosen 8 mm cable retaining nut located on the bottom of the throttle spool and pull on the throttle cable end until taut. Retighten the nut.

NOTE: Fine adjustment can be achieved by adjusting cable housing threaded adjuster.

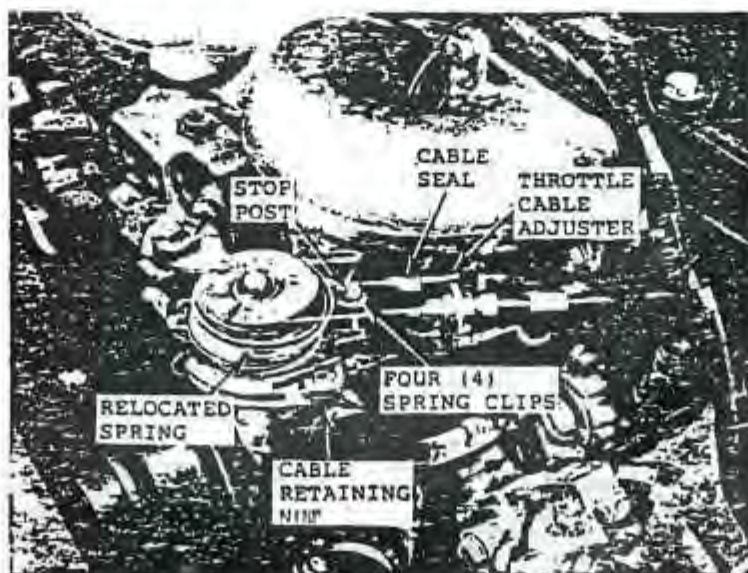


FIGURE 2

15. Check the full throttle position by depressing the accelerator pedal to the floor. The throttle spool should touch the full throttle boss. Ensure the smooth operation of the complete throttle linkage mechanism from the pedal to the throttle plates.
16. Install the splash shield (P/N 111184) to the air inlet manifold using existing bolt as shown in Figure 3. Ensure the installation is firmly located and free from vibration.
17. Relocate the wiring harness away from edge of splash shield using one of the harness retention clips as shown in Figure 3.

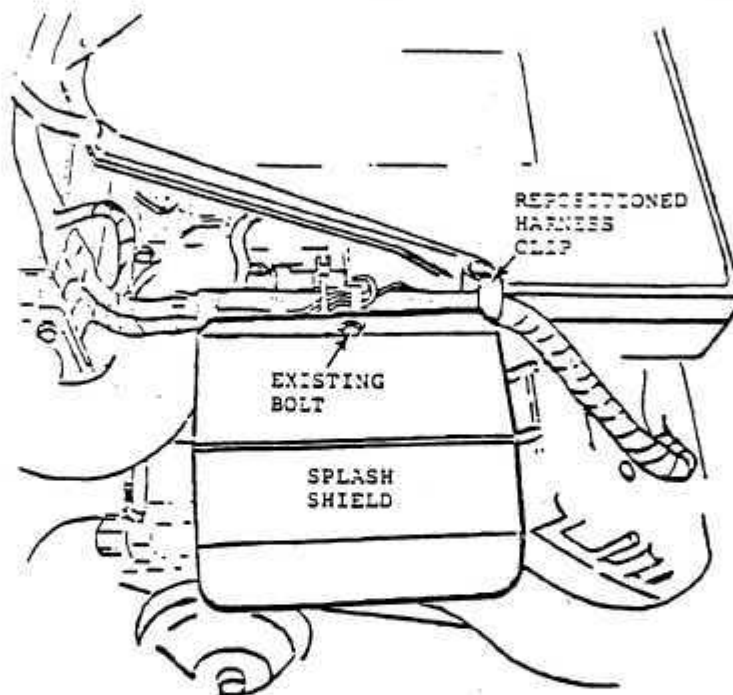


FIGURE 3

REIMBURSEMENT INFORMATION

Campaign Code	RA-0002
Transaction Code	30
Labor Operation #	00160
Labor Time Allowance	.5 hr.

PARTS REQUIRED

1 complete kit P/N 109260
 Kit includes:

Qty.	Part	Number
1	clip	SP10381
1	plate	109267
1	seal	111183
4	spring clips	SP10382
1	splash shield	111184



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PA-01-1/82

CATEGORY: ACCESSORIES
ATTENTION: PARTS MANAGER
SUBJECT: CAR CARE PRODUCTS

The products in our DMC Car Care Kit are now available as individual replacements:

<u>Part Number</u>	<u>Description</u>	<u>Dlr Net</u>	<u>Sug List</u>
A4000111	DMC Cleaner/Sealer (Pint)	4.54	9.08
A4000121	DMC Car Shampoo (Pint)	2.68	5.36
A4000131	DMC Leather Protector (Pint)	3.80	7.60
A4000141	DMC Blending Pad (Box of 10)	5.20	10.40

The pint bottles are packed in master cartons of 6 for convenient storage.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

LRM:psg

Issued 1/12/82



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PA-05-10/81

CATEGORY: ACCESSORIES
ATTENTION: DEALER/PARTS MANAGER/SERVICE MANAGER
SUBJECT: DMC EMBROIDERED EMBLEM

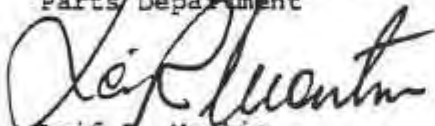
A DMC embroidered emblem has been developed.

The emblem size is 4" X 2 1/4" with DMC and De Lorean embroidered in silver on a black bottom.

This is an excellent identification for salesmen's jackets as well as technicians' and parts men's shirts.

Part Number	Description	Dlr Net	Sug List
A2000000	Emblem, embroidered	2.25	4.50

DE LOREAN MOTOR COMPANY
Parts Department


Leif E. Montin
National Parts Manager

Issued 10/28/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PA-06-12/81

CATEGORY: ACCESSORIES
ATTENTION: DEALER/PARTS MANAGER
SUBJECT: DMC SHEEPSKIN SEATCOVERS

A sheepskin seatcover of top quality has been custom made for the De Lorean seats. The covers, made of plush one inch wool, are tanned in silvergray.

The sheepskin seatcovers are packed and sold as a set of two covers.

Part Number	Description	Dlr Net	Sug List
A1000100	Sheepskin Covers	296.67	494.44

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

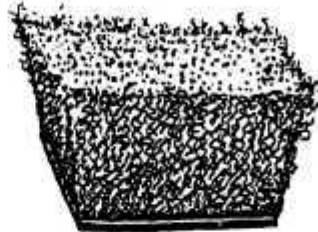
(over)

ISSUED 12/4/81

DE LOREAN SHEEPSKIN SEATCOVERS

If you think all sheepskins look alike, look at them as we do - through a magnifying glass. You'll find precious few that look like this!

Thousands of tiny coiled springs in every square inch



This is the kind of wool growth we need to produce our De Lorean Sheepskin Seatcover - dense, resilient and upright. These plush 1" American sheepskin pelts are a rare occurrence in nature, but well worth looking for. Because, when you sit on them the sensation is more like floating than sitting. Since each individual hair acts like a tiny coiled spring, your body weight is distributed evenly over the fleece's surface. There are no pressure spots. And, because air circulates freely through the fleece, there's no heat or moisture build-up.

Why Sheep Never Get Hot Under The Collar

Our plush sheepskin seatcovers are remarkable. They absorb moisture 10 times faster than polyurethane foam, and 20 times faster than polyester fiber, and they evaporate moisture even more rapidly. Because the wool fibers are a natural insulator, you feel cool in the summer and warm in the winter.

Quality Craftmanship

We begin with selected sheepskin pelts which have been carefully tanned so that the leather is soft and supple, and the wool is dense, resilient and lustrous. Each seatcover is crafted from pelts which have been matched for texture, resilience, and color. These expertly tailored covers are designed to accentuate the styling of the De Lorean seat. They fit snugly around the top, sides, and bottom of the seat. Our sheepskin seatcovers will protect your seat from wear, but will not hide the unique design of the seat. A luxurious accessory for the De Lorean Motor Car.



PURE WOOL



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-01-9/81

CATEGORY: Parts Identification
ATTENTION: Parts Manager
SUBJECT: Production Wheel Change

As a running production change, a lighter colored silver wheel was introduced from V.I.N. 001884. Part numbers for the new wheels are as follows:

Front Wheel	Part Number 108701
Rear Wheel	Part Number 108702

Please add the above part numbers in your Parts Identification Manual, Section 6, Subsection 5, Group 0.

DE LOREAN MOTOR CO.
Parts Department

Leif E. Montin
National Parts Manager

9/29/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-02-12/81

CATEGORY: PARTS IDENTIFICATION
ATTENTION: DEALER/PARTS MANAGER
SUBJECT: REPLACEMENT KEYS AND LOCK SETS

As of V.I.N. 4188, a change was made to a one key system. The door locks now have the same tumbler as the ignition and storage compartment. The key used is the same as the previous ignition key with the molded plastic head. Key blanks are available under part number 109100.

For customers who prefer a lighted key, we have a key blank with a light under part number A109100. For earlier door locks (V.I.N. under 4188) a key blank is now available under part number 106244.

The above key blanks can be used for copying on any key copy machine.

Cut keys can be ordered under part numbers:

C109100	Ignition key with molded head
CA109100	Ignition key with lighted head
C106244	Door key (V.I.N. under 4188)

When ordering cut keys, please submit a separate order specifying the V.I.N. and key code number.

For your information, a key code cutter is available from Curtis Industries that will enable you to cut the ignition keys as well as the new door keys by code. If you are interested in purchasing this code cutter, the model number is Curtis 19815-15W with cam kit number 20053. Contact your local Curtis representative for price and order information.

Replacement Lock Sets

Complete replacement lock sets are available as follows:

108003, Lock set including:	1 ignition lock, 2 door locks, 1 storage compartment lock with 2 keys
110192, Lock set including:	2 door locks with 2 keys

For V.I.N.'s under 4188, door lock sets are still available under part number 101419, Lock Set. Door LH/RH.

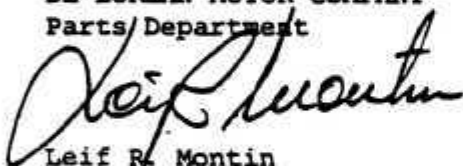
Continued.

To replace earlier door locks with the new type, please refer to
Technical Service Bulletin ST-31-12/81 for modification procedures.

Pricing:

<u>Part Number</u>	<u>Description</u>	<u>Dlr Net</u>	<u>Sugg List</u>
106244	Key Blank, illuminated	5.83	9.72
109100	Key Blank, molded head	3.29	5.49
A109100	Key Blank, illuminated	5.83	9.72
C106244	Cut Key, illuminated	8.25	13.78
C109100	Cut Key, molded head	6.25	10.42
CA109100	Cut Key, illuminated	7.92	13.20
101419	Lock Set, Door LH/RH	41.08	68.47
108003	Lock Set, Complete	67.70	112.83
110192	Lock Set, Door LH/RH	31.35	52.25

DE LOREAN MOTOR COMPANY
Parts Department



Leif R. Montin
National Parts Manager



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-03-12/81

CATEGORY: IDENTIFICATION
ATTENTION: PARTS MANAGER
SUBJECT: PRODUCTION CHANGES

As running production changes, new parts have been introduced as follows:

From V.I.N. 3600 - New front and rear facias with a darker mat gray color (Catalog group 850 and 851)

Front Facia	part number	110122
Rear Facia	part number	110123

Earlier facias will be made available under old numbers.

For repair of facias, see Service Bulletin ST-13-9/81, and forthcoming Service Bulletin regarding paint codes for new facias.

From V.I.N. 5930 - New exterior rear view mirrors (Catalog group 363)

Mirror LH	part number	110419
Mirror RH	part number	110418

Earlier mirrors will be made available under old numbers.

From V.I.N. 3200 - New nonlocking gas cap (Catalog number 240)

Gas cap	part number	110129
---------	-------------	--------

DE LOREAN MOTOR COMPANY
Parts Department

Leif E. Montin
National Parts Manager

ISSUED 12/4/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-01-82

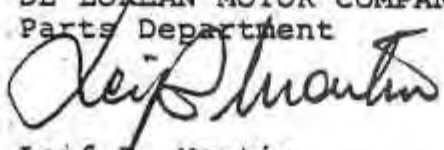
CATEGORY: PARTS IDENTIFICATION
ATTENTION: PARTS MANAGER
SUBJECT: FLANGE, DRIVESHAFT

As of V.I.N. 2679 a change was made that affects the driveshaft flange, part number 100171, catalog group 4-7-0, figure position 2.

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
100171	Flange, Driveshaft	to V.I.N. 2679
110539	Flange, Driveshaft	fr V.I.N. 2680

This change will be reflected in the next printing of the Parts Identification Manual.

DE LOREAN MOTOR COMPANY
Parts Department


Leif R. Montin
National Parts Manager

LRM:psg

Issued 1/8/82.



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-02-1/82

CATEGORY: PARTS IDENTIFICATION
ATTENTION: PARTS MANAGER
SUBJECT: ALTERNATOR

As of V.I.N. 4539, a new alternator was introduced.

This new alternator is a 90 amp Motorola alternator, part number 110101.

If the earlier alternator, part number 102425, is not available, this new alternator can be used on earlier cars with modifications as specified in Service Bulletin ST-26-11/81.

DE LOREAN MOTOR COMPANY
Parts Department

A handwritten signature in cursive script, reading "Leif R. Montin".

Leif R. Montin
National Parts Manager

LRM:psg

Issued 1/12/82



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-03-1/82

CATEGORY: PARTS IDENTIFICATION

ATTENTION: PARTS MANAGER

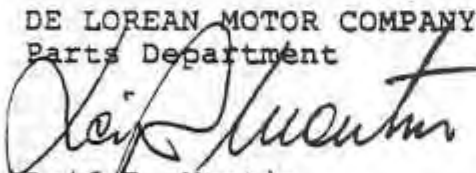
SUBJECT: SEAT COVERS

Separate replacement covers are now available for the De Lorean seat back and seat cushion.

The covers are common to left hand and right hand seats.

<u>Part Number</u>	<u>Description</u>	<u>Dlr Net</u>	<u>Sug List</u>
100618	Cover, Seat Back (Blk)	126.25	194.23
100619	Cover, Seat Cushion (Blk)	100.25	154.23
109260	Cover, Seat Back (Gray)	126.25	194.23
109261	Cover, Seat Cushion (Gray)	100.25	154.23

DE LOREAN MOTOR COMPANY
Parts Department


Leif R. Montin
National Parts Manager

LRM:psg

Issued 1/12/82



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PI-04-1/82

CATEGORY: PARTS IDENTIFICATION

ATTENTION: DMC PARTS MANAGERS

SUBJECT: GRAY INTERIOR PARTS

The following are all upholstery parts with the latest part numbers for black and corresponding gray color.

<u>DESCRIPTION</u>	<u>PART NUMBERS</u>	
	<u>BLACK</u>	<u>GRAY</u>
SEAT ASSY, RH	100600	110516
SEAT ASSY, LH	100601	110517
COVER, SEAT BACK	100618	109260
COVER, SEAT CUSH	100619	109261
FINISHER, A-POST LH	100673	110455
FINISHER, A-POST RH	100674	110454
CONSOLE,CTR	100683	110446
LID, GLBX	101321	110438
HSG, INST CLUST	101854	110436
TRIM, DR UPR FRT	101876	110494
TRIM, DR UPR FRT	101877	110495
TRIM, DR UPR RR	101878	110500
TRIM, DR UPR RR	101879	110501
HEADLINING, FRONT	105191	110059
HEADLINING, REAR	105192	110060
TRIM PANEL	105271	109255
DASH PAD	(101317) 105443	110440
CARPET, STORAGE	105529	110476
END, FACIA PNL	105736	110442
END, FACIA PNL	105737	110443
HEADLINER, DOOR LH	105753	110063
HEADLINER, DOOR RH	105754	110062
TRIM, BOARD ASSY	106201	110486
CARPET, STORAGE LID	108004	109246
HANDLE, DR PULL	108061	110513
HANDLE, DR PULL	108062	110512
CARPET, SHELF	108067	110482
CARPET, DR SILL	108068	110472
CARPET, DR SILL	108069	110473
CARPET, R/BRK	108070	110478
CARPET, BULKHEAD	108075	110480
CARPET, FLOOR RH	108076	110464
CARPET, FLOOR LH	108077	110465

Continued

Issued 1/12/82

DESCRIPTIONPART NUMBERS
BLACK GRAY

CARPET, DOOR A/RST RH		108082	110490
CARPET, DOOR A/RST LH		108083	110491
CARPET, RR ARCH		108084	110468
CARPET, RR ARCH		108085	110469
KNEE PAD, RH		108590	110458
KNEE PAD, CTR		108592	110460
KNEE PAD, LH		108594	110462
STRAP, DOOR PULL		108658	108659
TRIM, DOOR RH	(105690)	110168	110508
TRIM, DOOR LH	(105689)	110169	110509
ARM EXT ASSY, RH(106648 & 100678)		110170	110428
ARM EXT ASSY, LH(106649 & 100677)		110171	110429
TRIM PNL, DR	(101880)	110174	110504
TRIM PNL, DR	(101881)	110175	110505

Part numbers within parentheses are the numbers shown in the present Parts Identification Manual.

DE LOREAN MOTOR COMPANY
Parts Department


Leif R. Montin
National Parts Manager

LRM:psg



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

PARTS BULLETIN

NUMBER PI-05-2/82

CATEGORY: PARTS IDENTIFICATION
ATTENTION: PARTS MANAGER/SERVICE MANAGER
SUBJECT: FRONT FRAME EXTENSION

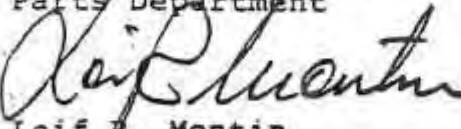
The front frame extension is now available as a replacement part.

There is also an epoxy kit to restore the original surface protection.

Part #	Description	Dlr Net	Sug List
105829	Frame Ext, Front	90.23	150.68
109264	Epoxy Base (7 oz.)	10.95	18.28
109265	Epoxy Catalyst (7 oz.)	15.30	25.55

See Service Bulletin ST-03-2/82 for repair procedures.

DE LOREAN MOTOR CARS OF AMERICA
Parts Department


Leif R. Montin
National Parts Manager

LRM:psg

Issued 2/10/82



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

PARTS BULLETIN

NUMBER PI-06-2/82

CATEGORY: PARTS IDENTIFICATION
ATTENTION: PARTS MANAGERS/SERVICE MANAGERS
SUBJECT: AUTOMATIC GEAR SHIFT LEVER

From V.I.N. 4817, a new gear shift lever was introduced on cars with automatic transmissions.

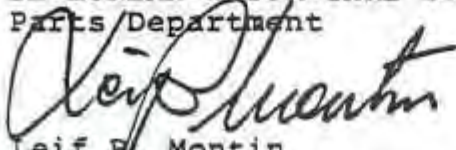
The attached catalog update pages show the breakdown of the earlier and later components.

To change the earlier shift lever to the later version, the following parts are required:

<u>Fig #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>	<u>Dlr Net</u>	<u>Sug List</u>
52	110080	Pad, Sealing	1	\$ 2.08	\$ 3.46
6	110095	Lever, A/T Shift	1	11.18	18.63
11	110103	Cover, Shifter Upper	1	3.23	5.38
4	110106	Cover, Shifter Lower	1	1.51	2.51
3	110107	Bracket, Cover	1	4.85	8.10
46	SP10016	Bolt M6	4	0.08	0.13
51	SP10473	Spacer	4	0.05	0.08

The shift quadrant assembly (106347) can be reused by separating the glued assembly, cutting the slider, re-assembling and regluing with the new shift lever (110095) inserted. The close out panel (110184) has been introduced as an added sound and heat insulator and is not required for the shift mechanism.

DE LOREAN MOTOR CARS OF AMERICA
Parts Department


Leif R. Montin
National Parts Manager

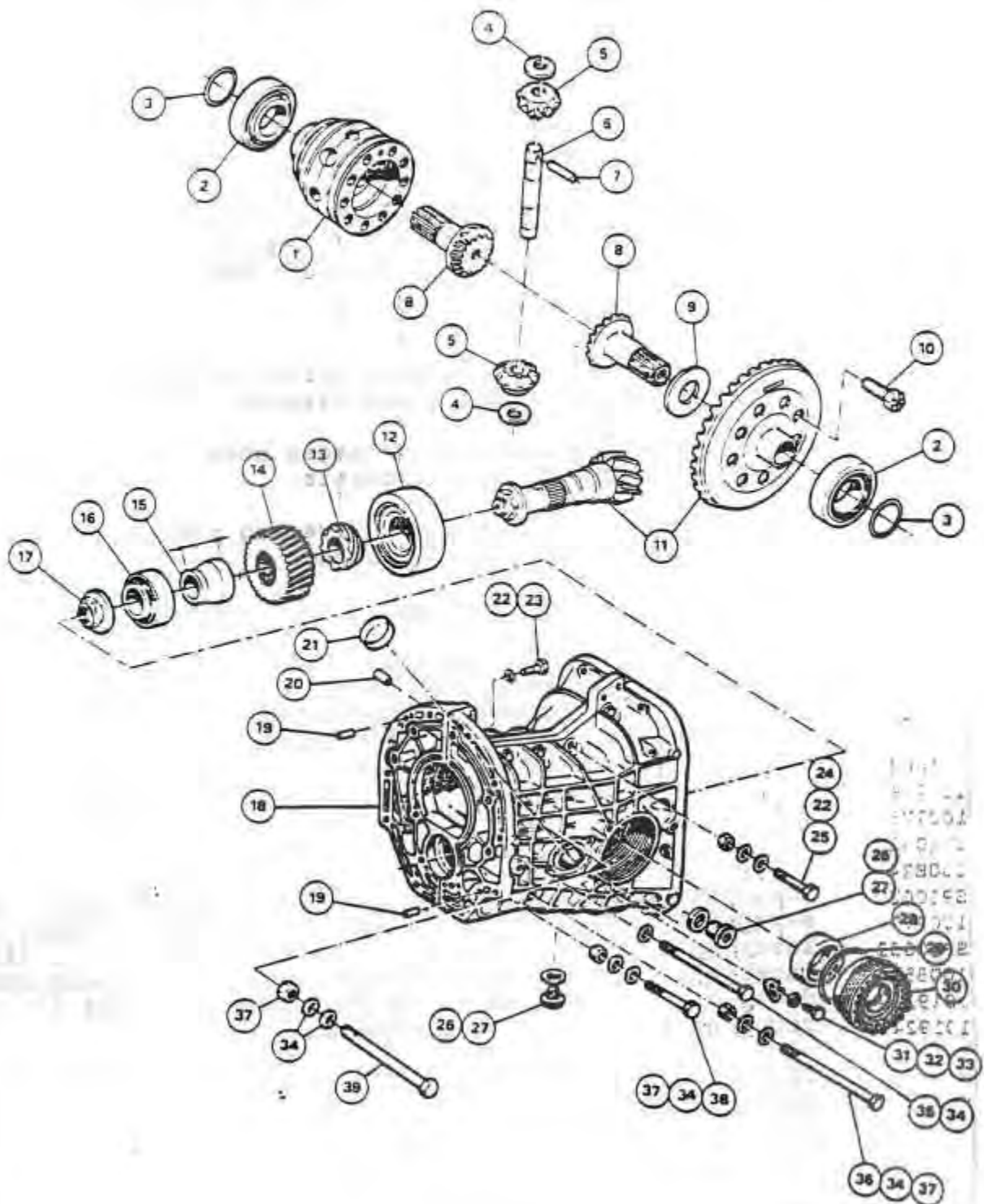
LRM:psg

AUTOMATIC TRANSMISSION

FINAL DRIVE/CASE SEALS

SUBSECTION: 5
GROUP: 6

4



4-6-0

TRANSMISSION

AUTO SHIFT LINKAGE

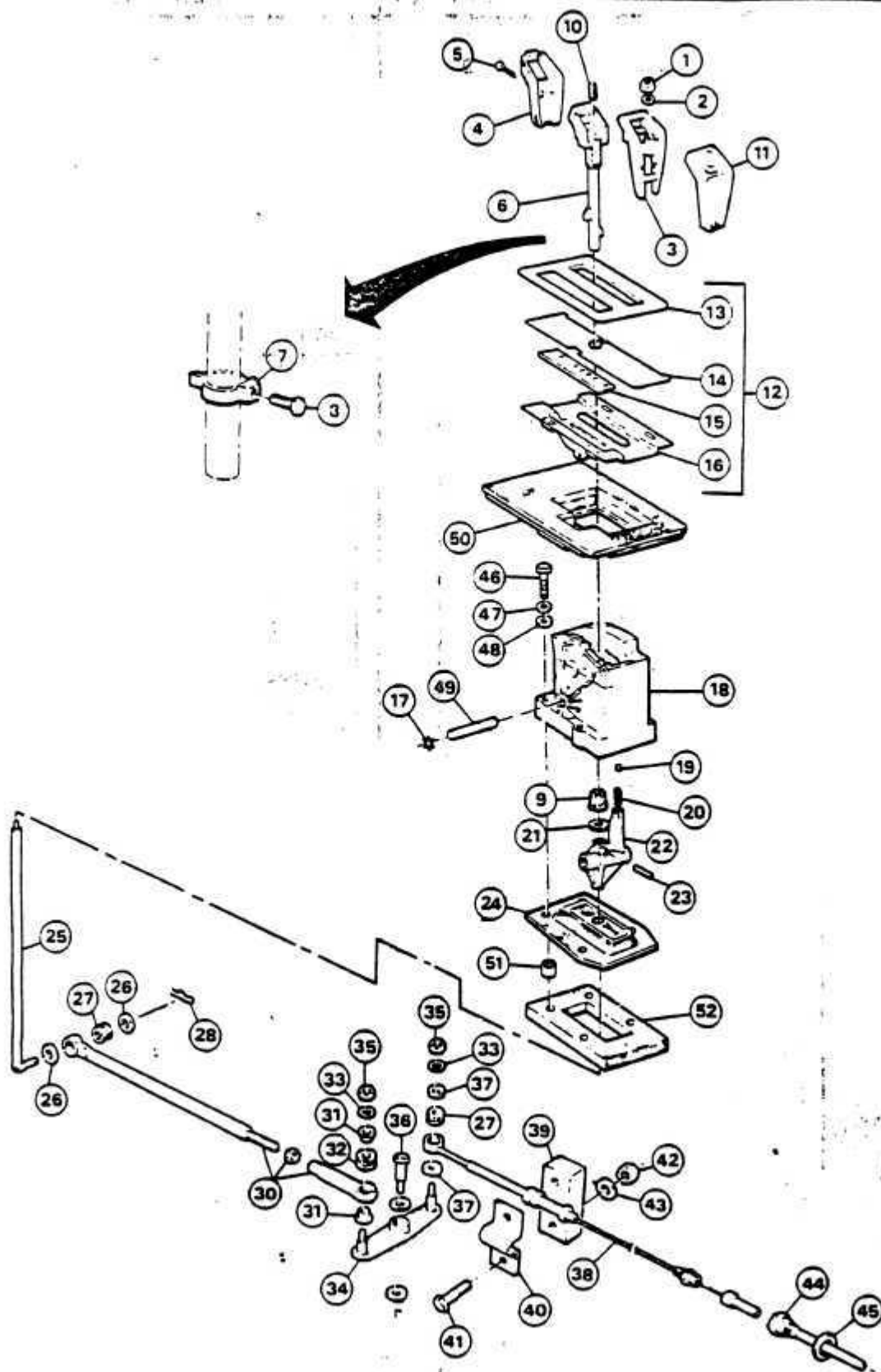
FIG.	PART NUMBER	DESCRIPTION	QTY	KIT	REMARKS
1	SP10106	NUT M5	1		
2	SP10117	WASHER M5	1		
3	101107	BRACKET, COVER	1		UP TO VIN 4836
	110107	BRACKET, COVER	1		FROM VIN 4837
4	101918	COVER, SHIFTER LOWER	1		UP TO VIN 4836
	110106	COVER, SHIFTER LOWER	1		FROM VIN 4837
5	SP10114	SCREW	2		
6	101399	LEVER, A/T SHIFTER	1		UP TO VIN 4836
	110095	LEVER, A/T SHIFTER	1		FROM VIN 4837
7	108309	PAWL RING	1		UP TO VIN 4836
8	SP10768	BOLT M4	1		UP TO VIN 4836
9	101920	BUSH	1		
10	101919	SPRING	1		
11	100557	COVER, SHIFTER UPPER	1		UP TO VIN 4836
	110103	COVER, SHIFTER UPPER	1		FROM VIN 4837
12	106347	QUADRANT ASSY, A/T	1		UP TO VIN 4836
13	100689	PLATE, QUADRANT TOP	1		
14	110083	SLIDE, AUTO QUADRANT	1		
15	105546	DECAL, PLATE	1		
16	110082	PLATE, QUADRANT LOWER	1		
17	105429	CLIP, SPRING	2		
18	105427	HOUSING, SHIFTER	1		
19	105432	BALL, DETENT	1		
20	105434	SPRING	1		
21	105430	WASHER, RUBBER	1		
22	105435	PIVOT	1		
23	105436	PIN, RETAINING	1		
24	105437	BOOT, CLOSE OUT	1		
25	105431	ROD, SHIFT	1		
26	106362	WASHER	2		
27	106361	BUSH	2		
28	106360	CLIP, RETAINING	1		
30	101864	ROD, FRONT SHIFT	1		
31	100776	SLEEVE, BUSH	2		
32	100775	BUSH	1		
33	SP10032	WASHER M8	4		
34	100824	PIVOT	1		
35	SP10025	NUT M8, NYLOC	2		
36	100277	BOLT, PIVOT	1		
37	SP10033	WASHER, M10	2		
38	100558	CABLE, SHIFT	1		
39	101924	SUPPORT, BRACKET	2		
40	101924	CLAMP, CABLE	2		

PARTS IDENTIFICATION MANUAL

D'FLOREAN MOTOR CARS OF AMERICA

Division of DeLorean Motor Company

4-6-0-2-10-82



4-6-0

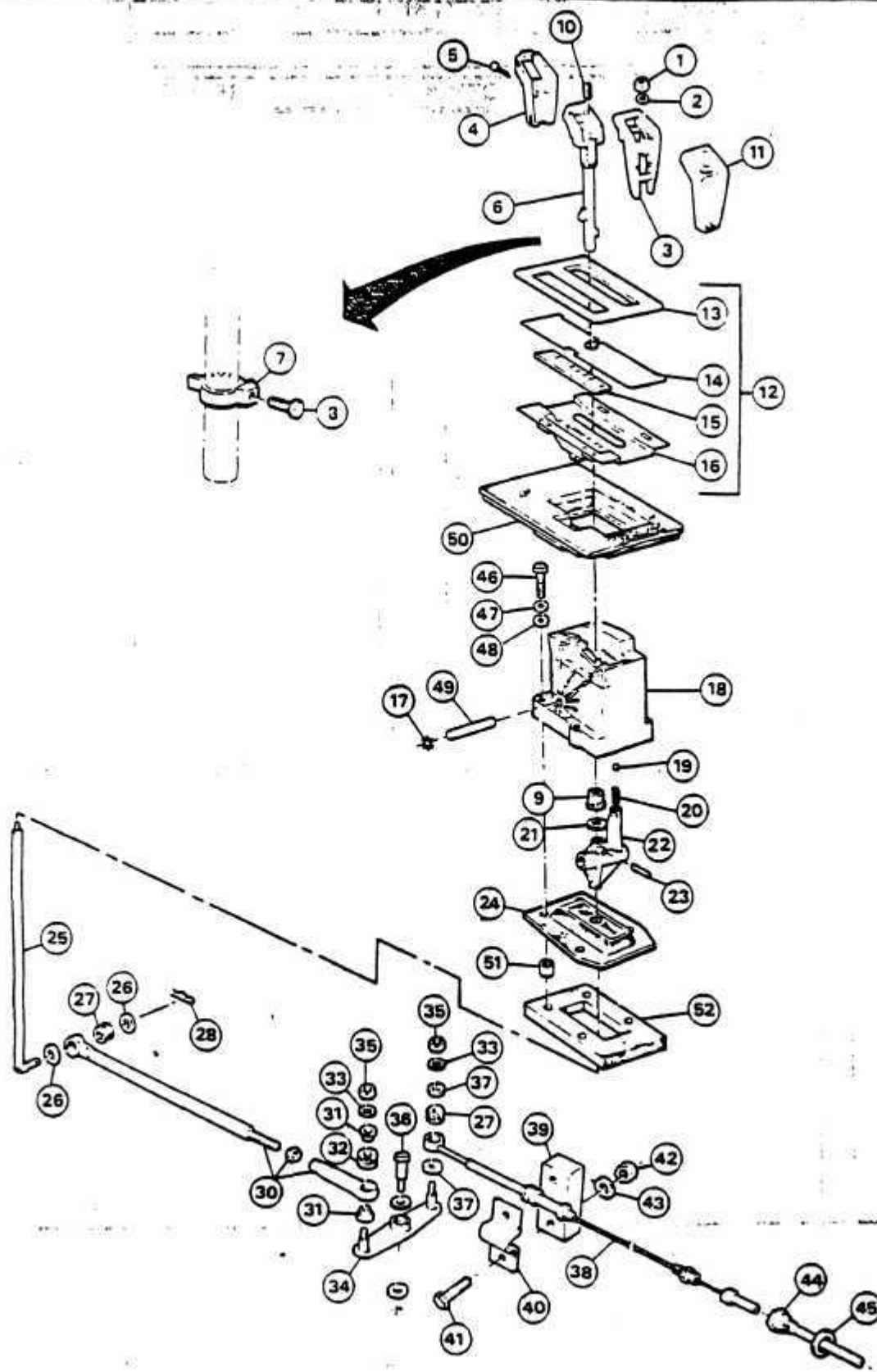
TRANSMISSION
AUTO SHIFT LINKAGE (CONT'D.)REV 02-10-82
12 311

QTY	PART NUMBER	DESCRIPTION	QTY	KIT	REMARKS
41	SP10807	BOLT M6	2		
42	SP10024	NUT M6, NYLOC	2		
43	SP10031	WASHER M6	2		
44	104002	FITTING, SHIFTER END	1		
45	102461	SEAL	1		
46	SP10225	BOLT M6	4		UP TO VIN 4836
	SP10016	BOLT M6	4		FROM VIN 4837
47	SP10252	SPRING WASHER M6	4		
48	SP10031	WASHER M6	4		
49	105428	SHAFT, PIVOT	2		
50	110184	PANEL, CLOSE OUT	1		
51	SP10473	SPACER	1		FROM VIN 4837
52	110080	PAD, SEALING	1		FROM VIN 4837

PARTS IDENTIFICATION MANUAL

DELOREAN MOTOR CARS OF AMERICA
Division of DeLoorean Motor Company

4-6-0-2-10-82



4

SUBSECTION: 7

GROUP: 0

DRIVE AXLES

DRIVE/INTERMEDIATE SHAFT/OUTBOARD SHAFT/BEARINGS/HUB

Also refer
to bulletins
indicated

G	PART NUMBER	DESCRIPTION	QTY	KIT	REMARKS
1	SP10090	Pin	2		
2	100171	Flange, Driveshaft	2		
3	100169	Driveshaft, Inter	2		
4	SP10013	Bolt M10 X 60	24		
5	SP10036	Washer M10	24		
6	100919	Lock Plate, D/Sft	12		
7	108545	Rear Outbrd D/Shaft	2		
8	100973	Bearing, D/Shaft Otr	2		
9	SP10053	Clip, RR Hub	2		
10	100255	Flinger, Rear Hub	2		
11	101040	Hub, Rear	2		
2	106117	Wheelstud	8		
3	101721	Cone, Hub Retainer	2		
14	108514	Nut	2		

Delorean Motor Company



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PM-01-9/81

CATEGORY: Miscellaneous
ATTENTION: Dealer/Parts Manager
SUBJECT: Parts Bulletin Binder

Enclosed with this bulletin we are forwarding the Parts Bulletin Binder with inserts covering the different bulletin categories.

For your information, the following bulletins have been issued to date:

PA - Accessories	PA-01 - 7/81	7/31-81
PA - Accessories	PA-02 - 8/81	8/19-81
PA - Accessories	PA-03 - 8/81	8/31-81
PO - Organization	PO-01 - 7/81	7/2-81
Parts Special Bulletin	Special 8/81	8/10-81

Enclosed with this mailing are following bulletin issues:

PI - Parts Identification	PI-01-9/81
PO - Organization	PO-02-9/81
PO - Organization	PO-03-9/81
PS - Supersession	PS-01-9/81

DE LOREAN MOTOR CO.
Parts Department

Leif E. Montin
National Parts Manager

Issued 9/29/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PO-01-7/81

CATEGORY: Organization
ATTENTION: Dealer/Parts Manager
SUBJECT: Parts Bulletin System

Parts information to DMC dealers will be issued on Parts Bulletins categorized as follows:

BULLETIN CATEGORIES

IDENTIFICATION

PARTS ACCESSORIES (PA)

PA - No. - Mo./Year

Contains information about accessories and optional equipment.

PARTS IDENTIFICATION (PI)

PI - No. - Mo./Year

Contains information of a technical nature - usually cover letters for Parts Identification Manual updates.

PARTS MISCELLANEOUS (PM)

PM - No. - Mo./Year

Contains information of a general nature.

PARTS ORGANIZATION (PO)

PO - No. - Mo./Year

Contains parts policies and procedures.

PARTS PRICING (PP)

PP - No. - Mo./Year

Contains information and updates of parts prices.

PARTS SUPERSESSIONS (PS)

PS - No. - Mo./Year

Contains information of parts supersessions.

All Parts Bulletins will be issued on green colored paper. A Parts Bulletin Binder will be sent to you when available. In the meantime, please use your Parts and Accessories Pricing Guide Binder.

DE LOREAN PARTS DEPARTMENT

Leif R. Montin

National Parts Manager

Issued 7/2/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PO-02-9/81

CATEGORY: Organization
ATTENTION: Parts Managers
SUBJECT: Parts Ordering Procedures

Until such time as the volume of parts ordered governs a change in ordering procedures, we will attempt to process orders for immediate or following day shipment.

Type of Orders

Until further notice Parts Orders are classified as Emergency Order or Non Emergency Order.

Emergency Order

Emergency Orders received by 1:00 P.M. Pacific Standard Time will be processed and shipped the same day.

Emergency Orders received after 1:00 P.M. will be shipped the following day.

Vehicle Identification Number (V.I.N.) must be given.

Non Emergency Order

Non Emergency Orders will normally be shipped the following day but no later than two days after being received.

Backorders

Backorders pertaining to Emergency or Non Emergency Parts Orders will be shipped as soon as parts are received in Irvine, California.

All unreleased backorders will be listed and sent to the dealers on a monthly basis.

Backorders may be cancelled upon request.

Released backorders are not subject to cancellation.

All Orders

Parts Orders can be submitted by telephone, TWX or mail.

Dealer is responsible for part number accuracy and dealer code accuracy.

(cont.)

3 279
Parts Orders must be submitted with:

Dealer Code number

Dealer Name, City and State

Method of freight (if not stated DMC will choose optimal way of shipment)

All orders are shipped FOB Irvine, California.

Phone and TWX Numbers

DMC Parts Order Office has the following phone and TWX numbers:

714 - 966-1831

800 - 854-6087 Continental U.S.

800 - 432-3545 California only

TWX - 910-595-2487

For calls other than Parts Orders:

714 - 549-4772

DMC Address

De Lorean Motor Company

2055 S.E. Main Street

Irvine, CA 92714

Attention: Parts Order Dept.

DE LOREAN MOTOR CO.

Parts Department



Leif E. Montin

National Parts Manager

Issued 9/29/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PO-03-9/81

CATEGORY: Organization

ATTENTION: Parts Managers

SUBJECT: Request for Return/Credit (RFRC)

All discrepancies such as shortages, wrong part shipped, overages, wrong part ordered or request for return for whatever reason should be submitted on DMC Request for Return/Credit form (Part Number F-100002).

All requests covering discrepancies must be submitted within 30 days of receipt of parts order.

Use dealer explanation field for reasons not covered in the preprinted fields.

Keep Gold copy marked Dealer (last copy) and return the other three to DMC Irvine.

Authorization copy will be returned to you with DMC approval/disapproval of return.

If return is authorized, send authorization copy of RFRC as packing list with goods.

Parts returns without prior approval will be rejected and sent back at dealer expense.

DE LOREAN MOTOR CO.
Parts Department

Leif R. Montin
National Parts Manager

Issued 9/29/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PO-04-10/81

CATEGORY: ORGANIZATION

ATTENTION: PARTS MANAGER

SUBJECT: DMC FREIGHT AND TRANSPORTATION POLICY

Freight Terms - FOB Irvine, California

All transportation costs are prepaid by DMC and charged back as "service charge" on the applicable invoice.

Routing -

Unless specifically stated by the dealer when ordered, all parts orders will be shipped via the most efficient, least expensive mode to accommodate the dealer delivery requirements. Carriers will be determined by DMC Traffic Department unless otherwise specified.

Insurance -

All parts shipments will be covered by transit insurance at dealer net value.

Claims -

All transportation loss and damage claims are the responsibility of the dealer (see Steps for Effective Claim Recovery) with the exception of claims against United Parcel Service (UPS).

UPS Claims -

Claims against UPS are to be submitted to the DMC Traffic Department within seven days of delivery or after a reasonable length of time for delivery when lost.

Loss -

DMC Traffic Department will have the shipment traced via UPS and, if lost, credit the dealer at invoice cost.

Damage -

The dealer will notify the local UPS office, who will pick up the package, inspect and return it to DMC for settlement. DMC will credit the dealer at invoice cost.

(Cont.)

STEPS FOR EFFECTIVE CLAIM RECOVERY

1. Inspect all deliveries, including UPS, and note any visible damage on carriers receipt under drivers surveillance.
2. When possible, unpack merchandise immediately. Concealed damage must be reported to the delivering carrier within 15 days of delivery. Follow up with written notification of intent to file claim.
3. Notify carrier upon discovery of loss or damage and request inspection and claim forms. Follow up with written notification.
4. Compile supporting documentation for claim presentation.
 - A. Original Bill of Lading
 - B. Paid Freight Bill
 - C. Original Invoice
 - D. Carrier Delivery Receipt
 - E. Claim Notification
 - F. Carrier Inspection Report (if performed)

Documents A and B are obtainable from the DMC Traffic Department.

5. Claims with supporting documentation must be submitted to the carrier within 9 months of delivery for damage and after a reasonable length of time for delivery on loss, with the exception of Federal Express. The requirements of Federal Express are written notification within 15 days of delivery and the claim filed within 90 days after receipt of written notification.
6. All damaged parts with packaging should remain available for inspection at all times up to the final disposition of the claim.

DE LOREAN MOTOR CO.
Parts Department

Leif Montin
Leif R. Montin
National Parts Manager

Issued 10/16/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PO-05-12/81

CATEGORY: ORGANIZATION
ATTENTION: DEALER/SERVICE/PARTS MANAGERS
SUBJECT: COMMUNICATIONS/PARTS ORDERING

As a follow up to previously announced parts ordering routines, we need to emphasize that the publicized phone numbers are for parts ordering only!

Watts	800-854-1831	Continental U.S.
Watts	800-432-3545	California
Regular	714-966-1831	

These phone lines cannot be used for transferring calls to any other department within De Lorean Motor Company.

Phone calls regarding matters other than parts ordering should be directed to the respective area office using the following phone numbers:

National and		
Western	area office	714-549-4772
Eastern	area office	201-231-0772
Central	area office	313-585-6396
Southern	area office	404-993-7942

We appreciate your cooperation in this matter.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

Issued 12/7/81



BULLETIN

DE LOREAN MOTOR COMPANY

NUMBER PO-05-12/81

Re-Issue

CATEGORY: ORGANIZATION

ATTENTION: DEALER/SERVICE/PARTS MANAGERS

SUBJECT: COMMUNICATIONS/PARTS ORDERING

As a follow up to previously announced parts ordering routines, we need to emphasize that the publicized phone numbers are for parts ordering only!

Watts? 800-854-6087
Watts 800-432-3545
Regular 714-966-1831

Continental U.S.
California

These phone lines cannot be used for transferring calls to any other department within De Lorean Motor Company.

Phone calls regarding matters other than parts ordering should be directed to the respective area office using the following phone numbers:

National and		
Western	area office	714-549-4772
Eastern	area office	201-231-0772
Central	area office	313-585-6396
Southern	area office	404-993-7942

We appreciate your cooperation in this matter.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

Issued 12/7/81



BULLETIN

DE LOREAN MOTOR COMPANY

NUMBER PO-01-1/82

CATEGORY: PARTS ORGANIZATION
ATTENTION: ALL DMC DEALERS/SERVICE MANAGERS/PARTS MANAGERS
SUBJECT: DMC SALES, SERVICE, AND PARTS PUBLICATIONS

Attached please find a list of the current sales, service, and parts literature.

Effective immediately, orders placed for sales, service, and parts literature are to be placed separately from the regular parts order.

Orders may be phoned or mailed to the attention of the National Service/Parts Training Officer. When ordering by mail, use Parts Order forms and mark "Publication" in order type (other) column. When ordering by phone, use the number (714) 549-4772.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

LRM:psg

Attachment(s)

Issued 1/11/82

DMC SERVICE PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
LABOR RATE APPLICATION - OPTION A	P2104001	1
LABOR RATE APPLICATION - OPTION B	P2104002	1
SERVICE TRANSACTION (GENERAL)	P2104003	25
WARRANTY PARTS TAG	P2104006	50
WARRANTY SHIPPING LABELS	P2104007	50
PRE-DELIVERY CERTIFICATE	P2104008	1*
VALET, OWNER'S MANUAL	P2105010	1*
OWNER'S MANUAL '81	P2105011	1*
CONSUMER INFORMATION	P2105012	1*
MAINTENANCE SCHEDULE RECORD	P2105013	1*
OWNER CHANGE OF ADDRESS CARD	P2105014	1*
WARRANTY STATEMENT VEHICLE '81	P2105015	1*
WARRANTY STATEMENT TIRES	P2105016	1*
NATIONAL DEALER LISTING	P2105017	1*
WARRANTY STATEMENT RADIO (CRAIG)	P2105018	1*
WARRANTY EXTENSION VOUCHER	P2105020	1
DEALER/DEMO TRADE CARD	P2105021	1
TECHNICAL INFORMATION MANUAL	P2106050	1
SUGGESTED REPAIR TIMES MANUAL	P2106100	1
BINDER, SUGGESTED WARRANTY REPAIR TIMES	P2106101	1
BINDER, SERVICE BULLETIN	P2106500	1
SERVICE PROCEDURES MANUAL	P2108200	1

*One copy included with each vehicle shipped to dealer.

DMC PARTS-PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
PARTS ORDER FORM	P1104001	25
RETURN/CREDIT FORM	P1104002	25
PARTS ENVELOPE	P1104003	25
PARTS IDENTIFICATION MANUAL	P1105010	1
BINDER, PARTS IDENTIFICATION	P1105011	1
PARTS & ACCESSORIES PRICING GUIDE	P1105020	1
BINDER, PARTS & ACCESSORIES PRICING	P1105021	1
BINDER, PARTS BULLETIN	P1106030	1

DMC SALES PUBLICATIONS

<u>PUBLICATION</u>	<u>PART NO.</u>	<u>PACK QTY.</u>
PROMOTIONAL MATERIAL ORDER FORM	P6106001	1
PHOTOGRAPH 16 X 20	P6106002	1
BLACK & WHITE PHOTOS 8 X 10	P6106003	1
BROCHURE (LARGE)	P6106004	100
MINIBROCHURE	P6106005	250
POSTER	P6106010	1
BANNER	P6106020	1
FACTS BOOK	P6106030	10
AD KIT	P6106100	1



NUMBER PO-02-7/82

RB/psg



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PP-01-10/81

CATEGORY: PARTS PRICING
ATTENTION: PARTS MANAGER
SUBJECT: SKI ADAPTER AND LUGGAGE PROTECTOR BAG

Reference is made to Parts Bulletin PA-03-8/81 of August 31, 1981.

Due to an error, the announced prices of the Luggage Protector Bag, part number A3000015, and the Ski Rack Adapter, part number A3000020, were reversed. The correct pricing is as follows:

Part No.	Description	Dir. Net	Sugg. List
A3000015	Luggage Protector Bag	50.00	90.91
A3000020	Ski Rack Adapter	66.36	120.65

Ski Rack adapters ordered and delivered to date will be charged at the previously announced price.

The price change is effective as of this bulletin's issue date.

DE LOREAN MOTOR COMPANY
Parts Department

Leif Montin
Leif A. Montin
National Parts Manager

Issued 10/29/81



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PS-01-9/81

CATEGORY: PARTS SUPERSESSION
ATTENTION: DEALER/PARTS MANAGER
SUBJECT: RADIO ANTENNA - FRONT HOOD

Windshield 100623

As of V.I.N. 3200, the windshield antenna has been excluded and an external radio antenna will be mounted on all cars.

The replacement windshield, part number 100623, has been superseded to part number 110076. When replacing a windshield on any car without an external antenna, a replacement antenna, part number A5000010, has to be fitted.

Part number 100623 is no longer available.

Please refer to Service Bulletin ST-12-9/81 of 9/2/81 for installation instruction.

Front Hood 109096

As of V.I.N. 3200, the front hood has been changed and the gas filler flap has been eliminated.

Replacement hood, part number 109096, has been superseded to part number 109134.

Part number 109096 is no longer available.

Sincerely

Leif R. Montin
National Parts Manager

LRM:psg

ISSUED 9/22/81



DE LOREAN MOTOR COMPANY



PARTS BULLETIN

NUMBER PS-02-12/81

CATEGORY: PARTS SUPERSESSIONS
ATTENTION: PARTS MANAGER
SUBJECT: CURRENT SUPERSESSIONS

The enclosed listing is parts supersessions that have occurred to date.

Please make corresponding adjustments in your records.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
National Parts Manager

Issued 12/7/81

PARTS
NUMBER DESCRIPTION

330000

REPLACED BY

100157	BUSHING, SHOCK ARM	510	DM	108912
100158	RACK & PINION ASSY	520	DM	108754
100160	BALL JOINT, LOWER	510	DM	105707
100409	SHOCK ABSORBER, FRONT	510	DM	108587
100412	STEERING WHEEL	521	DM	106376
100442	HARNESSES, CHASSIS	372	DM	108599
100448	WRENCH, WHEEL NUT	910	DM	110038
100542	HOOD LUGS COMPT W/H1	842	DM	109096
100588	SEAL, DOOR INNER	840	DM	110044
100612	ADJ. SEAT BACK RH	873	DM	105170
100613	ADJ. SEAT BACK LH	873	DM	105171
100623	WINDSHIELD	860	DM	110076
100849	LINE, CLUTCH M/CYL	441	DM	108637
101045	DIAGNOSTIC PLUG	341	DM	110159
101068	BRACKET, ANDREX PLUG	341	DM	108627
101280	KNOB, CONTROL SWITCH	730	DM	101359
101381	KNOB, AZIG-FAN-SPEED	730	DM	101360
101420	LOCK ASSY, DOOR RH	364	DM	101419
101432	STOP, SHADE/LOUVER	843	DM	108720
101603	STRIKER LATCH GL/BOX	870	DM	108555
101780	B-BOLT, EXHAUST PIPE	150	DM	108517
101819	SEAL, FRONT FACIA	870	DM	108466
101880	TRIM, DOOR (BLACK)	871	DM	110174
101881	TRIM, PNL, DR (BLACK)	871	DM	110175
102381	FUEL LINE	210	DM	102359
105061	HEATSHIELD, EXH LH	710	DM	108485
105083	BULB, DOOR LAMP	352	DM	SP10303
105183	SENDER, FUEL LEVEL	210	DM	110555
105597	WASHER, STRIKER	364	DM	108721
105609	TRIM, DOOR LH (BLACK)	871	DM	110169
105690	TRIM, DOOR RH (BLACK)	871	DM	110168
106023	MOTOR, WINDOW LH	365	DM	110073
106024	MOTOR, WINDOW RH	365	DM	110072
106064	SEAL, PWR WDO INR RH	860	DM	106063
106197	BULKHEAD, CTR RR	874	DM	108606
106246	CLAMP U-BOLT	150	DM	108520
106289	FASTENER, VELCRO	874	DM	SP10384
106340	PIN, RETAINING	460	DM	SP10570
106600	PLATE, GAS STRUT RH	840	DM	108653
106601	PLATE, GAS STRUT LH	840	DM	108654
106616	LEVER, HOOD RELEASE	843	DM	108507
106648	ARM EXT ASSY, RH BLK	874	DM	110172
106649	ARM EXT ASSY, LH BLK	874	DM	110173
106692	SHOCK ATTACHMENT	842	DM	108629
106713	SEAL, EXT DR HDL LH	364	DM	108663
106741	SUPPORT BUFFER	843	DM	108721
108044	STRIKER, LATCH	843	DM	106083
108179	TRIM PAD &A/REST EXT	874	DM	110171
108180	TRIM PAD &A/REST EXT	874	DM	110170
108186	KNEE PAD, INR	870	DM	108592
108187	KNEE PAD, OTR	870	DM	108594
108188	KNEE PAD, RH	870	DM	108590
108270	FAN & MOTOR, COOLING	367	DM	100415
108277	COVER, IGN COIL	370	DM	105905
108433	MOTOR, FAN	842	DM	109134
108434	MOTOR, FAN	710	DM	101273



DE LOREAN MOTOR COMPANY

PARTS BULLETIN

NUMBER PS-01-1/82

CATEGORY: PARTS SUPERSESSIONS

ATTENTION: PARTS MANAGER

SUBJECT: CURRENT SUPERSESSIONS

The enclosed listing contains all parts supersessions to date.

Part numbers with an asterisk indicate the parts supersessions that have been added since the previous issue date of 12/7/81.

Please make corresponding adjustments in your records.

DE LOREAN MOTOR COMPANY
Parts Department

Leif R. Montin
Leif R. Montin
National Parts Manager

LRM:psg...

Attachment

Issued 1/01/82

PARTS SUPERSESSIONS

PART NUMBER	DESCRIPTION	CAT GRP	REPLACED BY
100157	BUSHING, STAB ARM	510 DM	108912
100345	RACK & PINION ASSY	520 DM	108754
100407	BALLJOINT, LOWER	510 DM	105707
100412	STEERING WHEEL	521 DM	106396
100446	WRENCH, WHEEL NUT	910 DM	110038
100567	HOOD, LUGG COMPT W/HI	842 DM	109096
100588	SEAL, DOOR INNER	840 DM	110044
100623	WINDSHIELD	860 DM	110076
*100796	NOT SERVICEABLE	363 DM	100586
*100797	NOT SERVICEABLE	363 DM	100587
100844	LINE, CLUTCH M/CYL	441 DM	108635
101065	DIAGNOSTIC PLUG	341 DM	110159
101066	BRACKET, DIAGN PLUG	341 DM	108627
*101068	ECU, LAMBDA	230 DM	110067
*101307	STRIKER, DOOR LOCK	364 DM	110068
101420	LOCK ASSY, DOOR RH	364 DM	101419
101432	STOP, S/SHADE/LOUVRE	843 DM	108720
*101821	BRKT, QTR PNL LH	830 DM	110053
*101822	BRKT, QTR PNL RH	830 DM	110052
101880	TRIM PNL, DR (BLACK)	871 DM	110174
101881	TRIM PNL, DR (BLACK)	871 DM	110175
*102425	ALTERNATOR 90 AMP	320 DM	110101
105083	BULB, DOOR LAMP	352 DM	SP10303
105183	SENDER, FUEL LEVEL	210 DM	110555
105186	FACE PLATE, A/C	730 DM	108920
*105526	SLEEVE, DOOR	840 DM	110127
*105556	GLASS, W/CARRIER RH	860 DM	106208
*105557	GLASS, W/CARRIER LH	860 DM	106207
105597	WASHER, STRIKER	364 DM	108771
105689	TRIM, DOOR LH (BLACK)	871 DM	110169
105690	TRIM, DOOR RH (BLACK)	871 DM	110168
106023	MOTOR, WINDOW LH	365 DM	110073
106024	MOTOR, WINDOW RH	365 DM	110072
106197	BULKHEAD, CTR RR	874 DM	108606
*106229	DIPSTICK, A/T	451 DM	110134
*106241	BAFFLE, FUEL TANK	210 DM	110155
106289	FASTENER, VELCRO	874 DM	SP10384
106360	PIN, RETAINING	460 DM	SP10578
106600	PLATE, GAS STRUT RH	840 DM	108653
106601	PLATE, GAS STRUT LH	840 DM	108654
106697	SHOCK ATTACHMENT	842 DM	105629
*106737	SEAL, DOORSILL LH	840 DM	108285
*106738	SEAL, DOORSILL RH	840 DM	108286
106741	SUPPORT BUFFER	343 DM	108721
*106919	HOSE, EVAPORATOR	720 DM	110525
108044	STRIKER, LATCH	843 DM	106083
108179	TRIM PAD & A/REST EXT	874 DM	110171

PARTS SUPERSESSIONS

PART NUMBER	DESCRIPTION	QTY	UNIT	REPLACED BY
108180	TRIM PAD & A/REST EXT	874	DM	110170
108186	KNEE PAD, INR	870	DM	108592
108187	KNEE PAD, OTR	870	DM	108594
108188	KNEE PAD, RH	870	DM	108590
108270	FAN & MOTOR, COOLING	367	DM	100415
*108327	COVER, CONSOLE (BLK)	870	DM	108239
*108521	CLAMP, EXHAUST	150	DM	108002
*108940	CLIP, DR LOCK	COM	DM	SP10817
109096	HOOD	842	DM	109134
SP10050	NUT	721	DM	SP10806
*SP10079	POP RIVET	COM	DM	SP10633
*SP10179	CASTLE NUT, B.JOINT	510	DM	SP10877
*SP10250	CLAMP, HOSE	130	DM	SP10349
*SP10382	STRAP	COM	DM	SP10498
*SP10383	PLUG	COM	DM	SP10687
*SP10434	SCREW M5X12	COM	DM	SP10440

108180
108186
108187
108188
108270
108327
108521
108940
109096
SP10050
SP10079
SP10179
SP10250
SP10382
SP10383
SP10434

108180
108186
108187
108188
108270
108327
108521
108940
109096
SP10050
SP10079
SP10179
SP10250
SP10382
SP10383
SP10434

108180
108186
108187
108188
108270
108327
108521
108940
109096
SP10050
SP10079
SP10179
SP10250
SP10382
SP10383
SP10434

108180
108186
108187
108188
108270
108327
108521
108940
109096
SP10050
SP10079
SP10179
SP10250
SP10382
SP10383
SP10434

108180
108186
108187
108188
108270
108327
108521
108940
109096
SP10050
SP10079
SP10179
SP10250
SP10382
SP10383
SP10434



DE LOREAN MOTOR CARS OF AMERICA
Division of DeLorean Motor Company

PARTS BULLETIN

NUMBER PS-02-7/82

CATEGORY: PARTS SUPERSESSION

ATTENTION: PARTS MANAGER

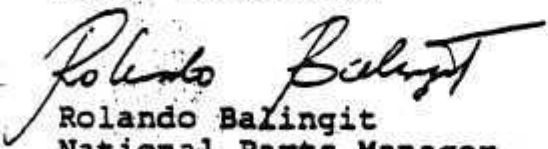
SUBJECT: INERTIA SWITCH

INERTIA SWITCH 100815

As a result of Recall Campaign RA-0003 on Service Bulletin SC-06-7/82, the above inertia switch is now superceded by part number 111209. All outstanding backorders for the old part number are now cancelled. All unused stock of the old inertia switch 100815 should be returned to DMCA, Irvine, under parts return procedure.

Likewise, we cancelled your backorders for the inertia switch as replacement requirements will be done through the recall program. Should you require additional inertia switches other than recall program requirements, please reorder under part number 111209.

DE LOREAN MOTOR CARS OF AMERICA
PARTS DEPARTMENT


Rolando Balingit
National Parts Manager

RB/psg