



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 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...

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Water Leaks - Body  
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Owner observations and thorough knowledge of the vehicle sealing and draining areas will greatly assist in locating a water leak.

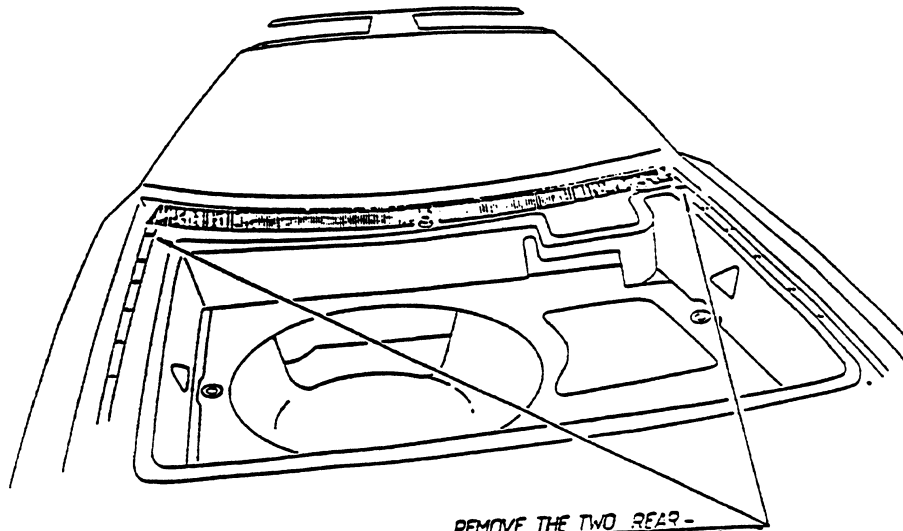
The attachment to this bulletin identifies sealed joints of the DMC vehicle body.

When sealing the indicated joints use Dow Silastic 732 R.T.V or equivalent.

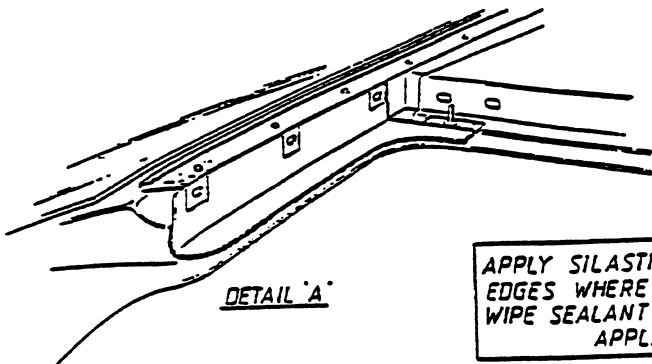
William A. Charles  
Director, Service/Parts

WAC:ak

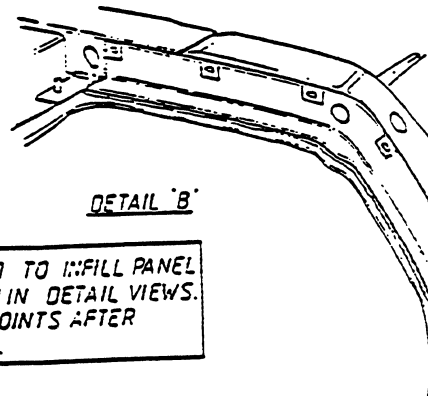
Attachment



REMOVE THE TWO REAR -  
MOST ATTACHMENT BOLTS OF  
FRONT FENDERS & PLUG RIVNUT  
WITH SILASTIC & REFIT ATTACHMENT BOLTS

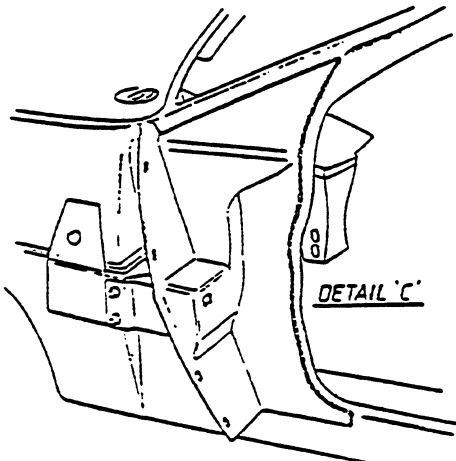


DETAIL 'A'

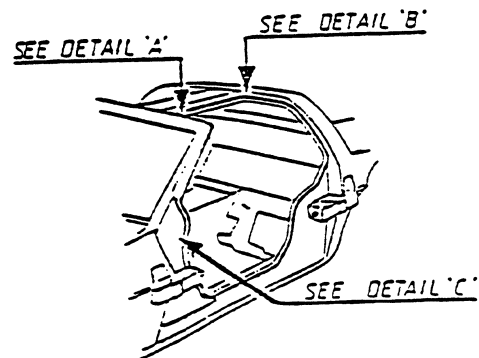


DETAIL 'B'

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



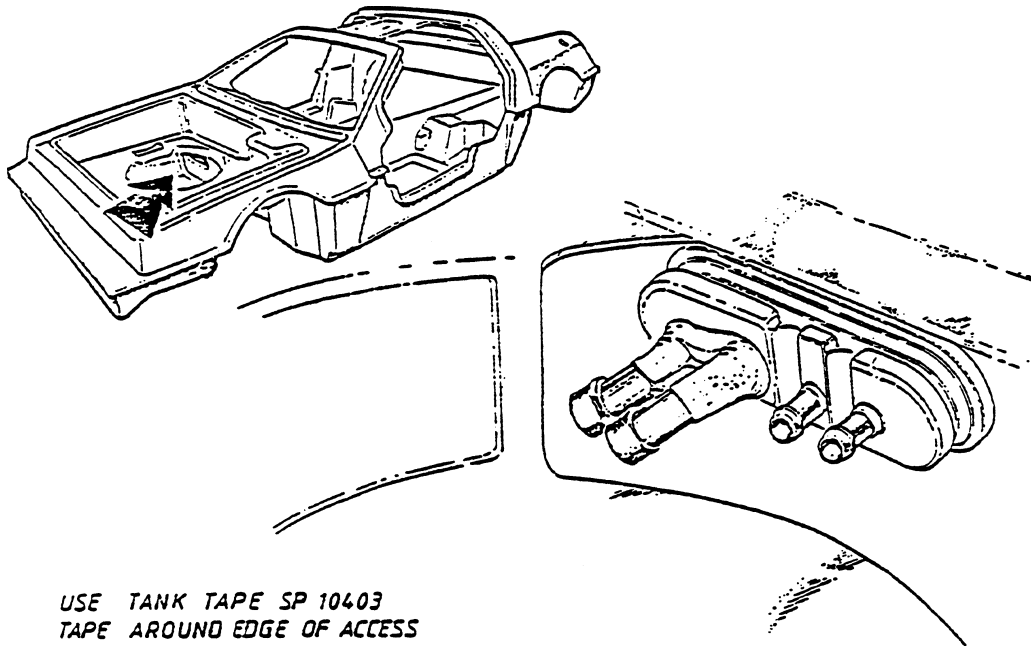
DETAIL 'C'



SEE DETAIL 'A'

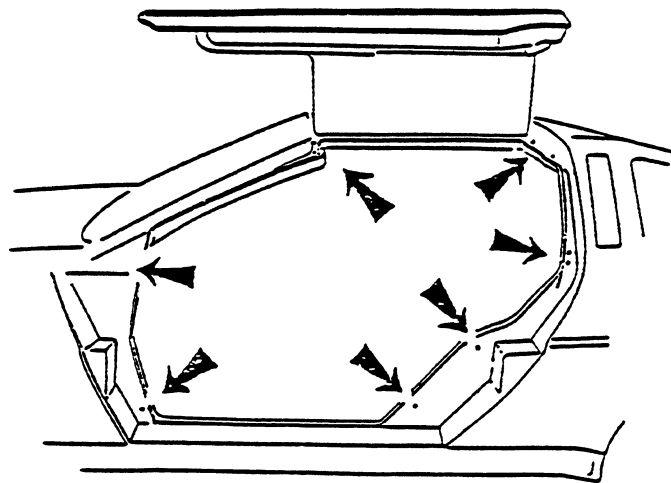
SEE DETAIL 'B'

SEE DETAIL 'C'

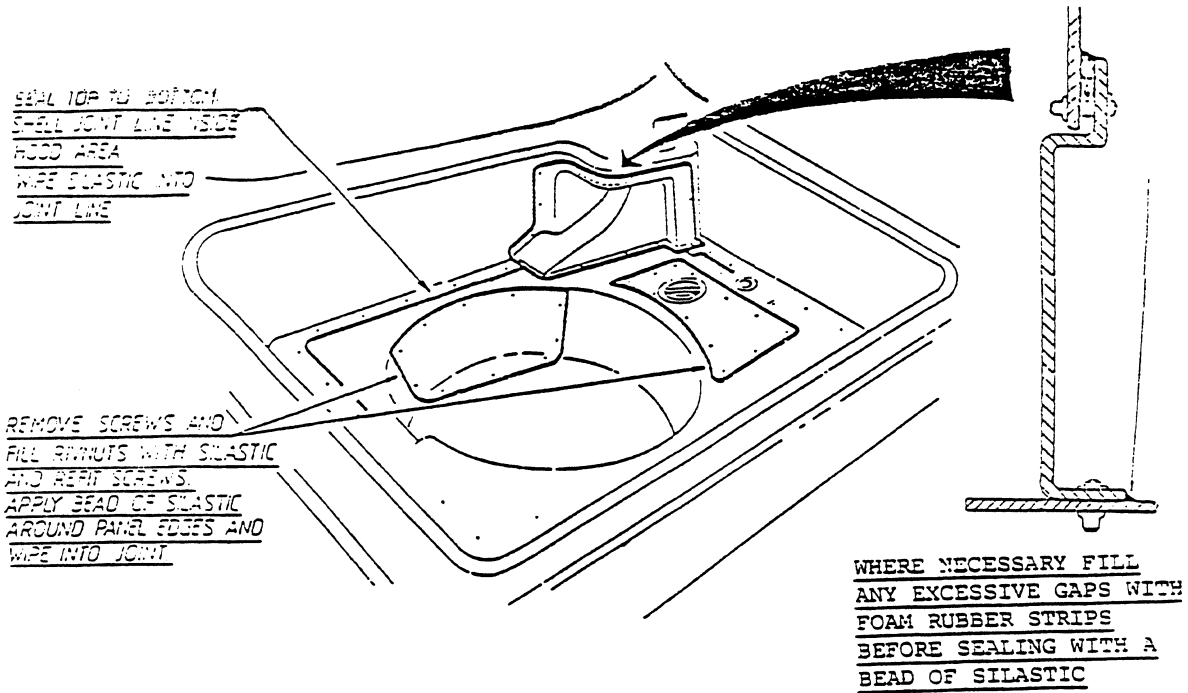


USE TANK TAPE SP 10403  
TAPE AROUND EDGE OF ACCESS  
HOLE FOR A.C. PIPES LEAVING  
SUFFICIENT SLACK BETWEEN  
PIPES TO ALLOW TAPE TO BE  
PUSHED THROUGH AND STUCK  
TO ITSELF. PRESS TAPE FIRMLY  
AROUND PIPES.

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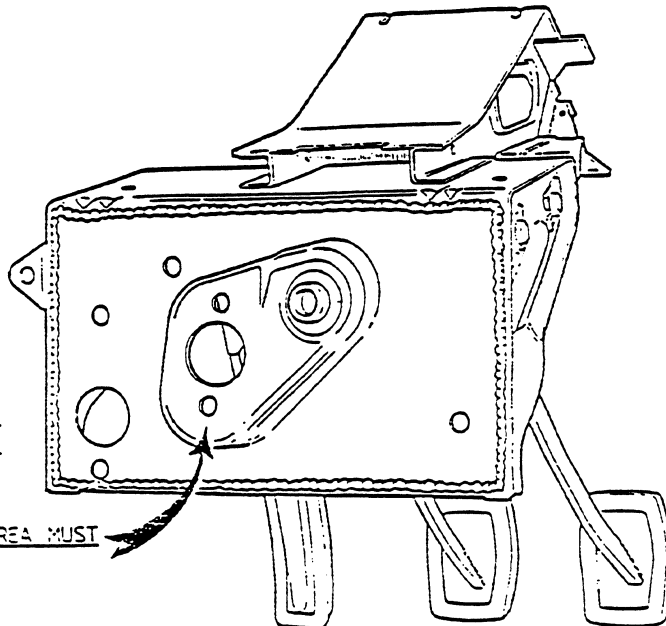


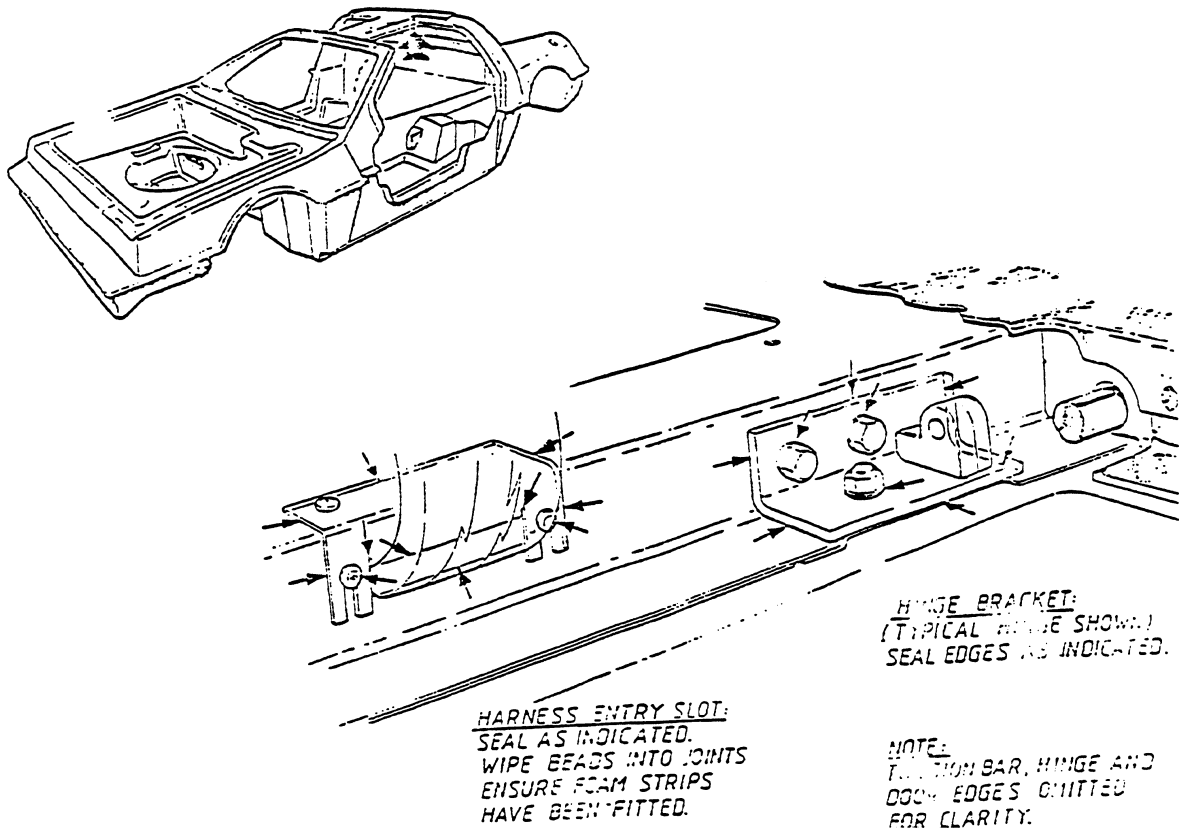
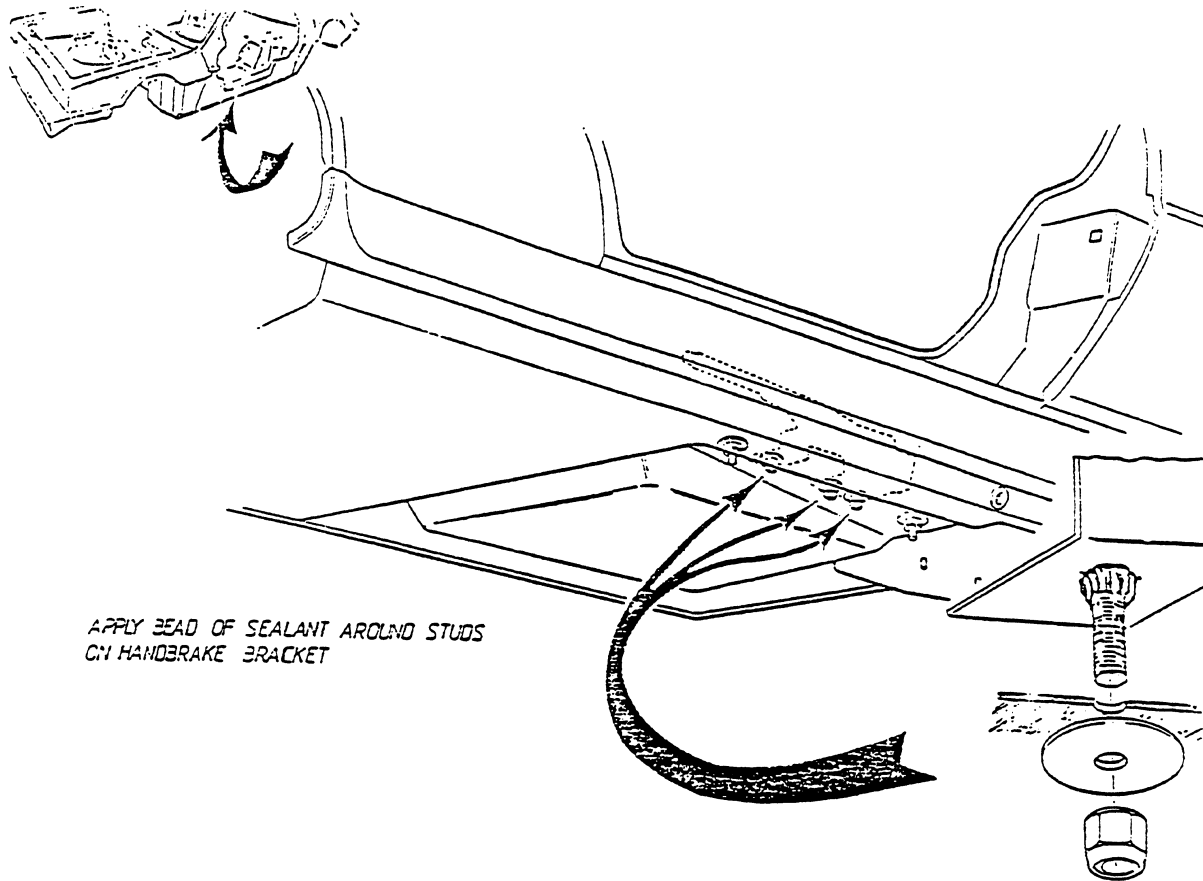
REMOVE SELF TAPPERS FROM INFILL PANELS  
AND SEAL HOLES WITH PLASTIC REPT SCREWS

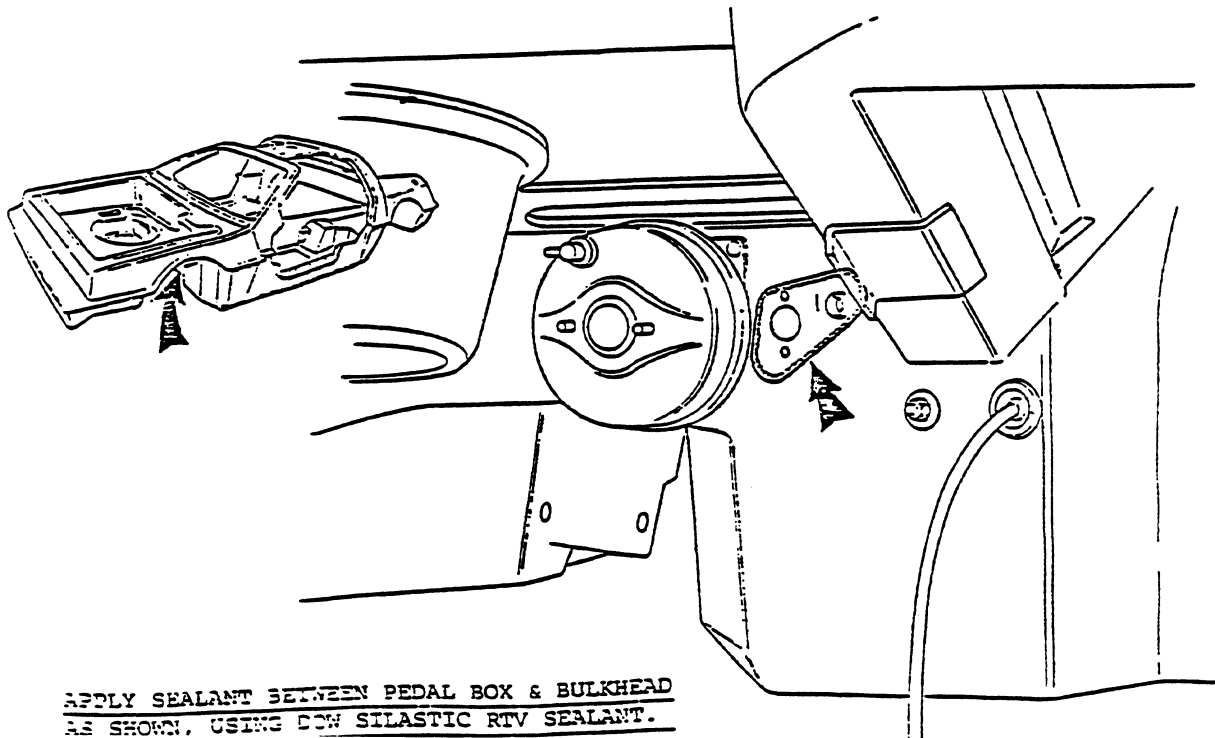
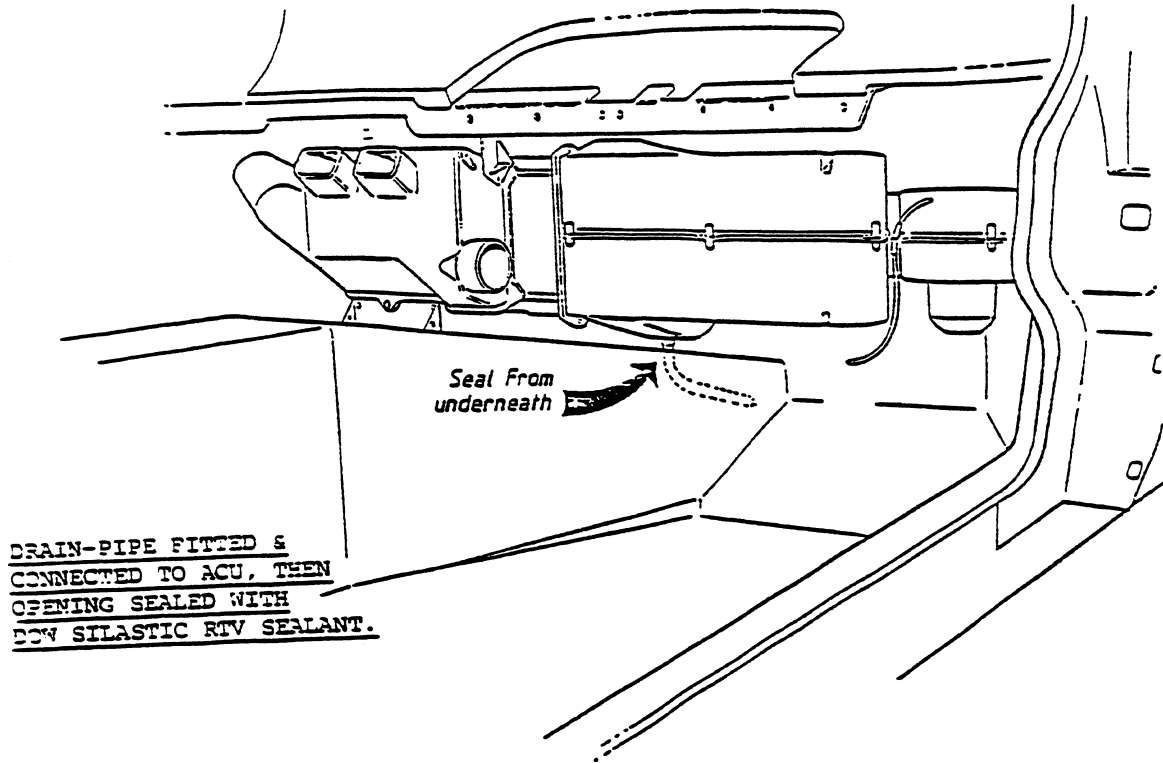


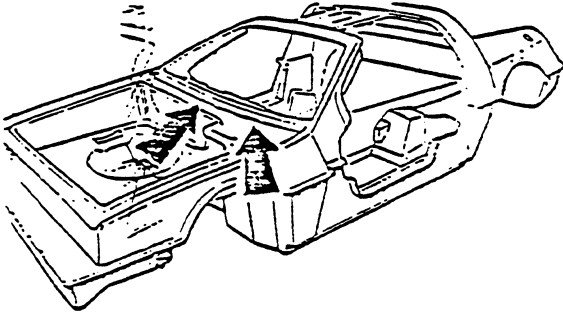
SEAL MATING FACE OF PEDAL  
BOX WITH BEAD OF SEALANT  
IMMEDIATELY BEFORE MOUNTING  
TO CAR, USING DOW SILASTIC  
RTV SEALANT.

CLUTCH CYLINDER MOUNTING AREA MUST  
BE KEPT FREE OF SEALANT.

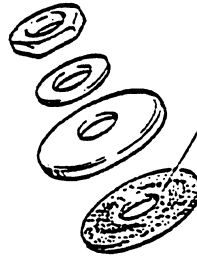








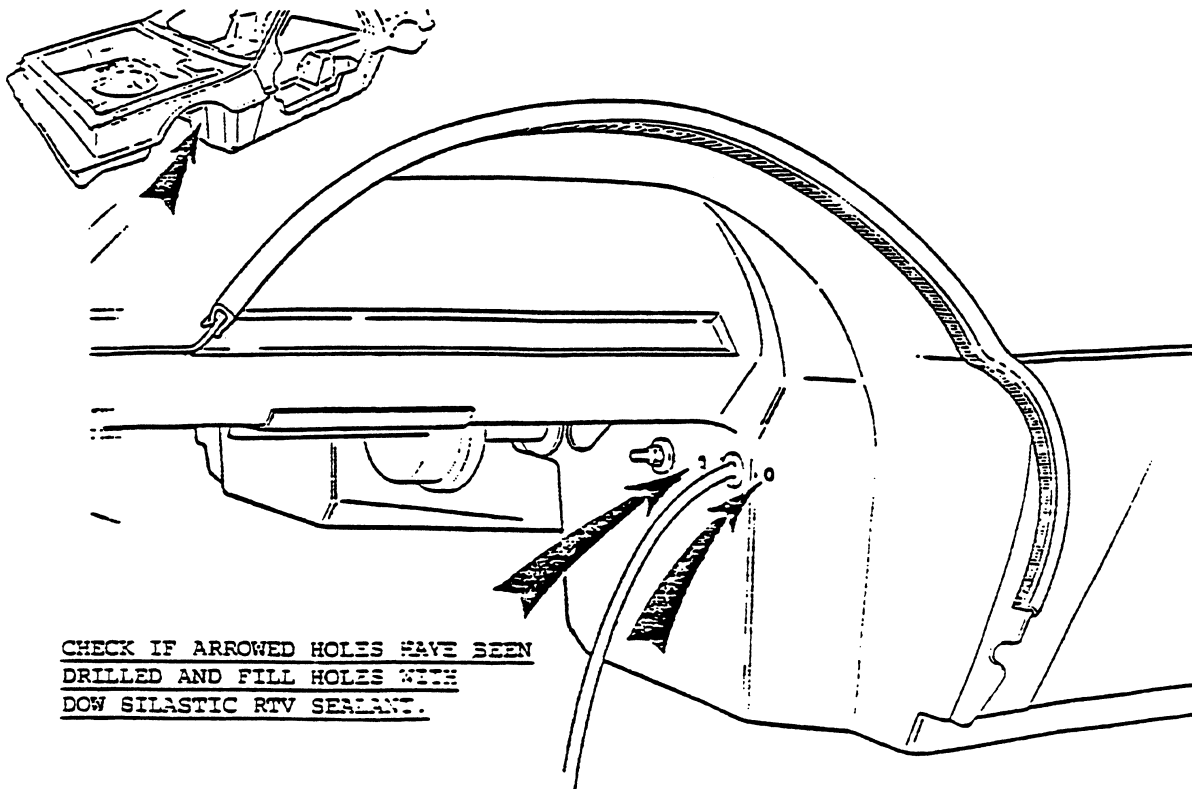
APPLY SILASTIC BEAD TO BODY  
AROUND WIPER STEM - FIT RUBBER  
WASHER - APPLY SECOND BEAD OF  
SILASTIC TO WASHER - ASSEMBLE  
AS NORMAL



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



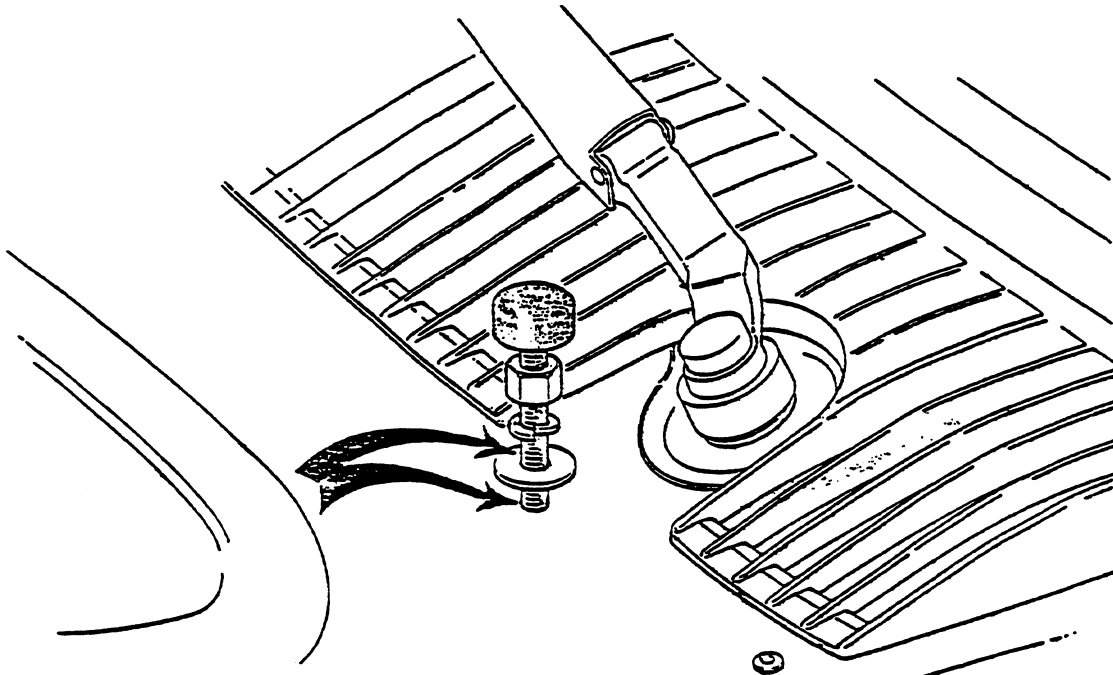
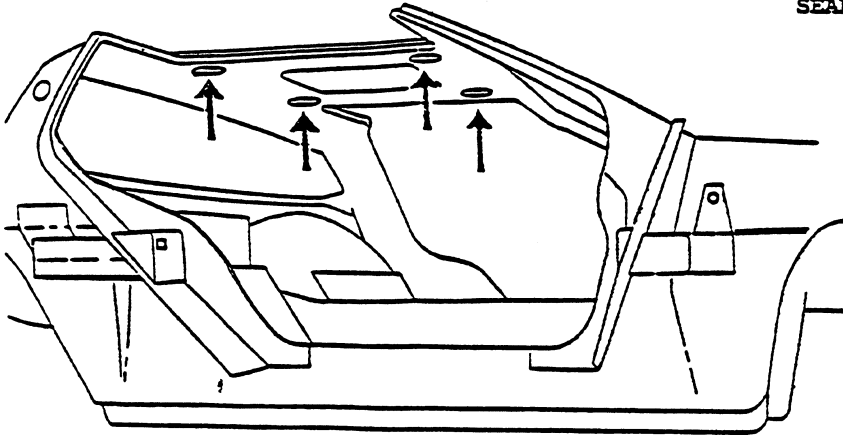
1st SEALANT BEAD APPLIED  
AROUND HERE BEFORE FITTING  
RUBBER WASHER IN PLACE.



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.



