

TECHNICAL SERVICE BULLETIN

Service and Mechanical Department

SUBJECT: WATER LEAKS
CORVETTE DOORS

BULLETIN No. TSB #307
(REVISED)
SECTION I

TO: ALL CHEVROLET SERVICE PERSONNEL

September 3, 1954

In cases where water leaks are experienced in Corvettes between the door and the cowl just below the windshield the following procedure may be used as a means of correction.

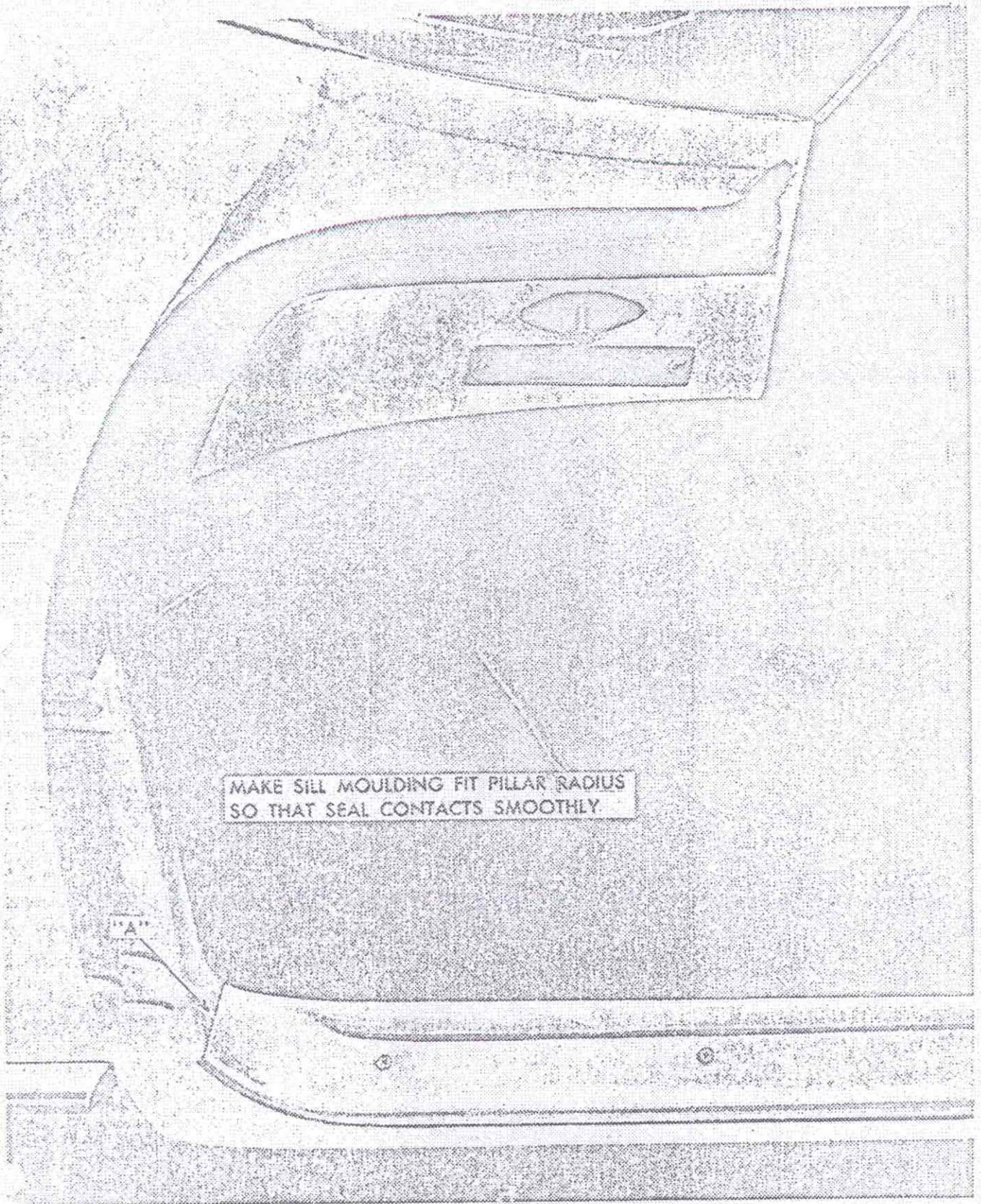
1. Remove door. Care should be taken to note the position and number of spacer washers at the hinge bolts in order to maintain proper position of doors when reinstalling.
2. Thoroughly clean door seal surface from upper hinge up, or as necessary if seal is damaged to provide a clean surface for cementing the new door seal in place. Fill nicks in door surface with plastic as necessary.
3. Remove hinge covers and make a sealing bead around edge on door side of covers with auto body sealer to prevent water following hinge arms. Replace hinge covers making sure that covers lie flat to pillar at point where seal passes over the cover - bend to conform as necessary to give a smooth seal attaching area.
4. Be sure that sill moulding fits smoothly to pillar radius at point "A" Figure 1, so that seal contacts smoothly.
5. Position new door seal extension (new door seal, Part #3715490) on Figure 2 as follows:
 - a. Locate lower edge of seal through center of courtesy lamp button contact point on the door. Continue forward and down to meet existing door weatherstrip.
 - b. Notch seal at door radius to give smooth seal contact.
 - c. Check door seal at hinge area for being compressed by hinges in closed door position. If seal is being compressed, re-locate seal inboard to clear hinges.
6. Shift the Body Hinge Pillar to Side Door Lower Seal #3706965 or 6 (left or right) rearward as necessary to insure a tight fit in the recess at point "A", Figure #3. This is especially important on some of the later seals with thinner lip which came into production when the plastic dam was installed. The gap between the plastic dam and the seal must be closed or leakage may occur. Sealing under the above seal must be adequate to prevent leakage under the moulded seal.
7. Install new Body Hinge Pillar to side door upper seal #3715493 or 4 (left or right). See Figure #2 item "A". After installation of door, check compression of this seal against body with shim stock. In some instances it may be necessary to shim seal with thin rubber to obtain compression for sealing as this will vary with door fitting tolerances.

H. M. Page
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EMF:M:lf

An extra supply is being forwarded to each Zone for the Zones to handle with the Dealers as necessary.

INITIAL _____



MAKE SILL MOULDING FIT PILLAR RADIUS
SO THAT SEAL CONTACTS SMOOTHLY.

15 A

FIGURE 1

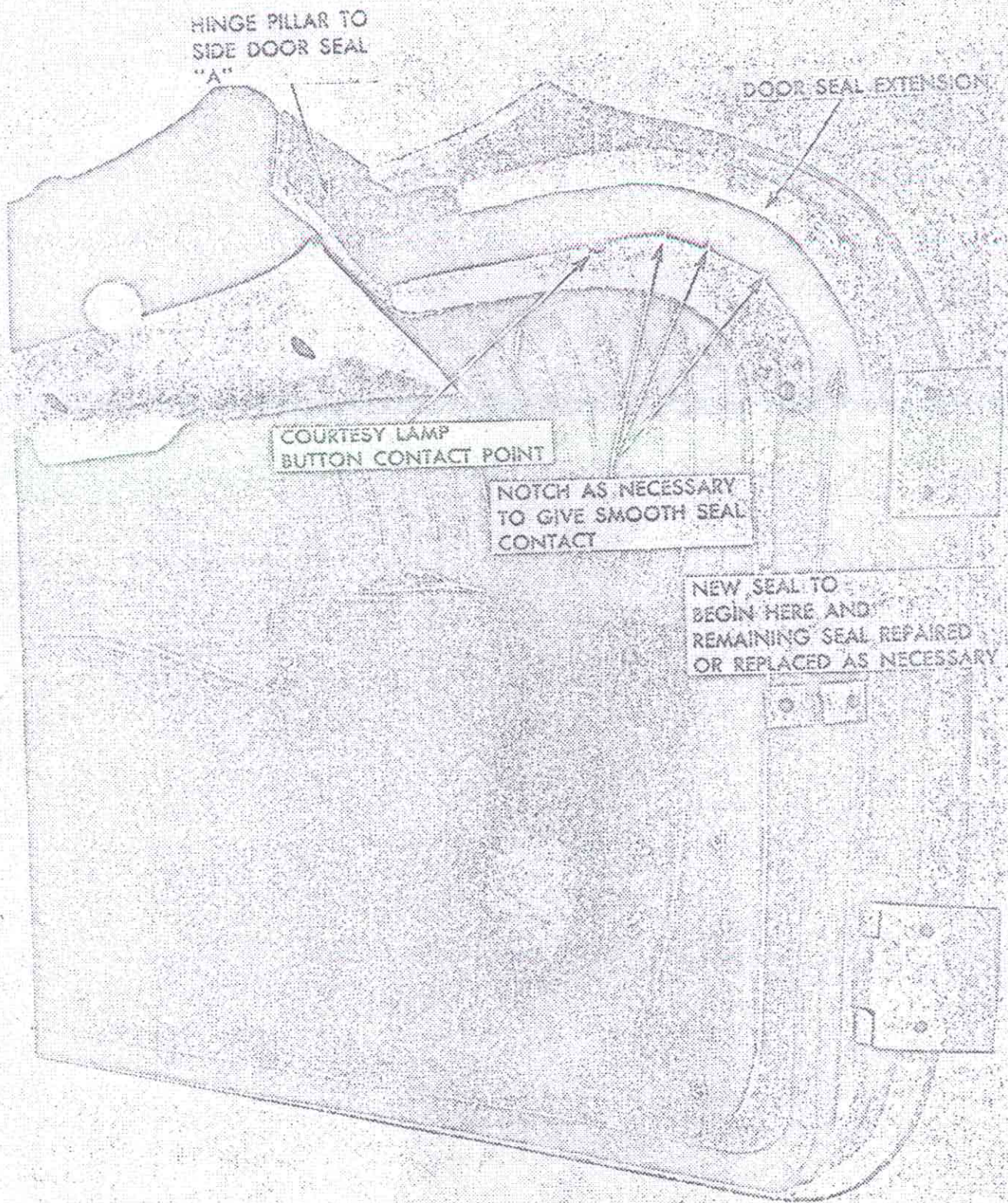
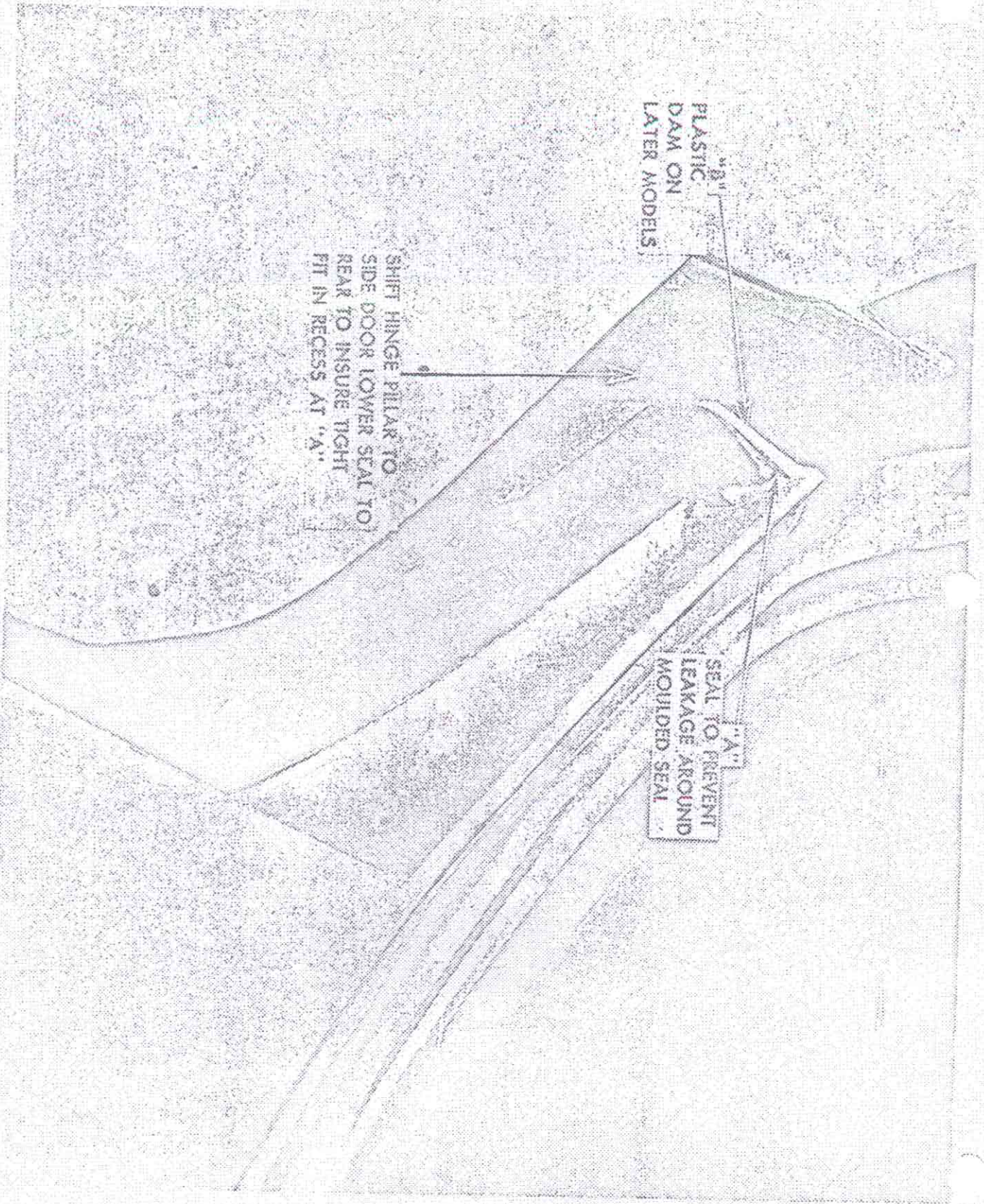


FIGURE 2



PLASTIC
DAM ON
LATER MODELS

SHIFT HINGE PILLAR TO
SIDE DOOR LOWER SEAL TO
REAR TO INSURE TIGHT
FIT IN RECESS AT "A"

"A"
SEAL TO PREVENT
LEAKAGE AROUND
MOULDED SEAL

FIG. E 3