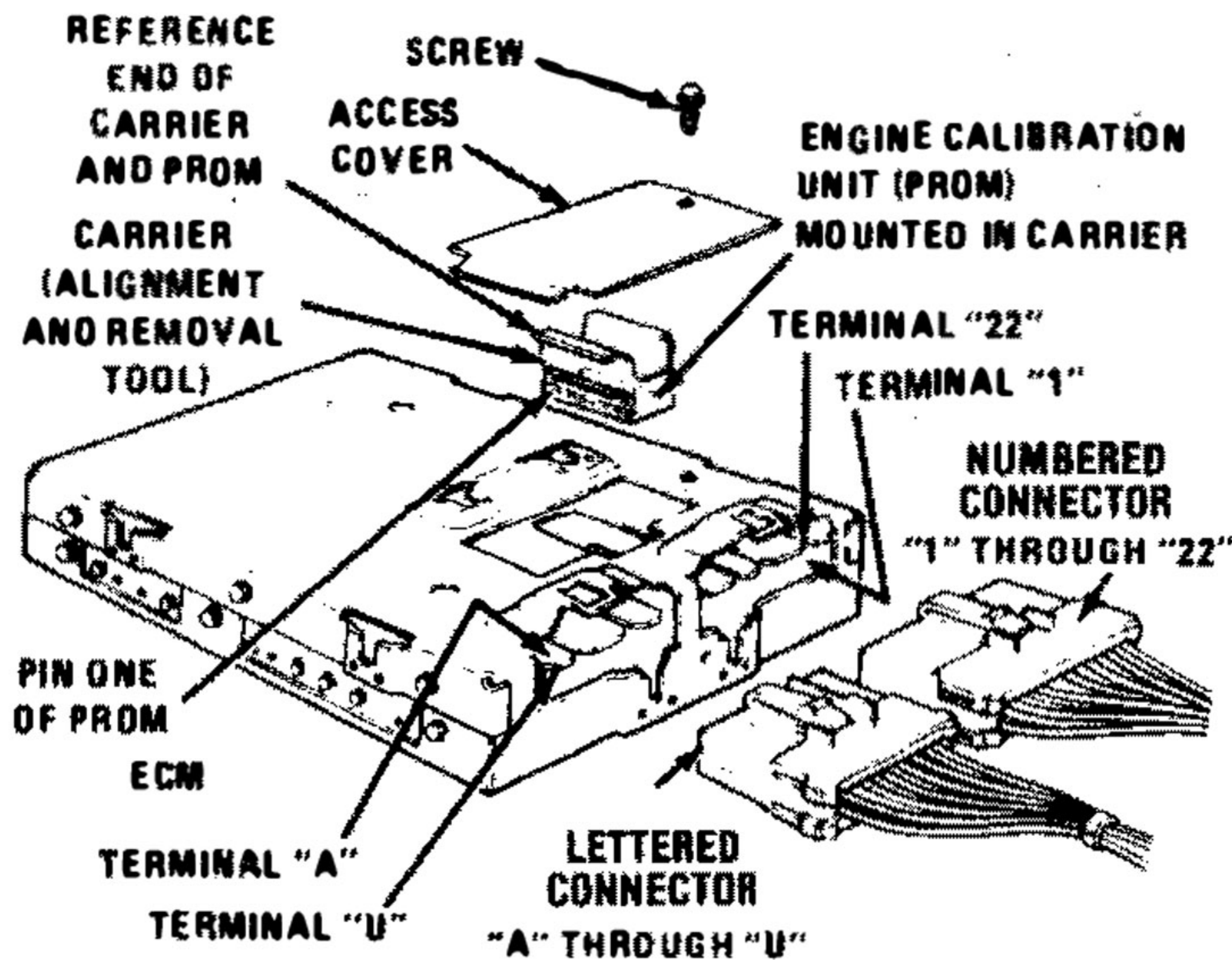


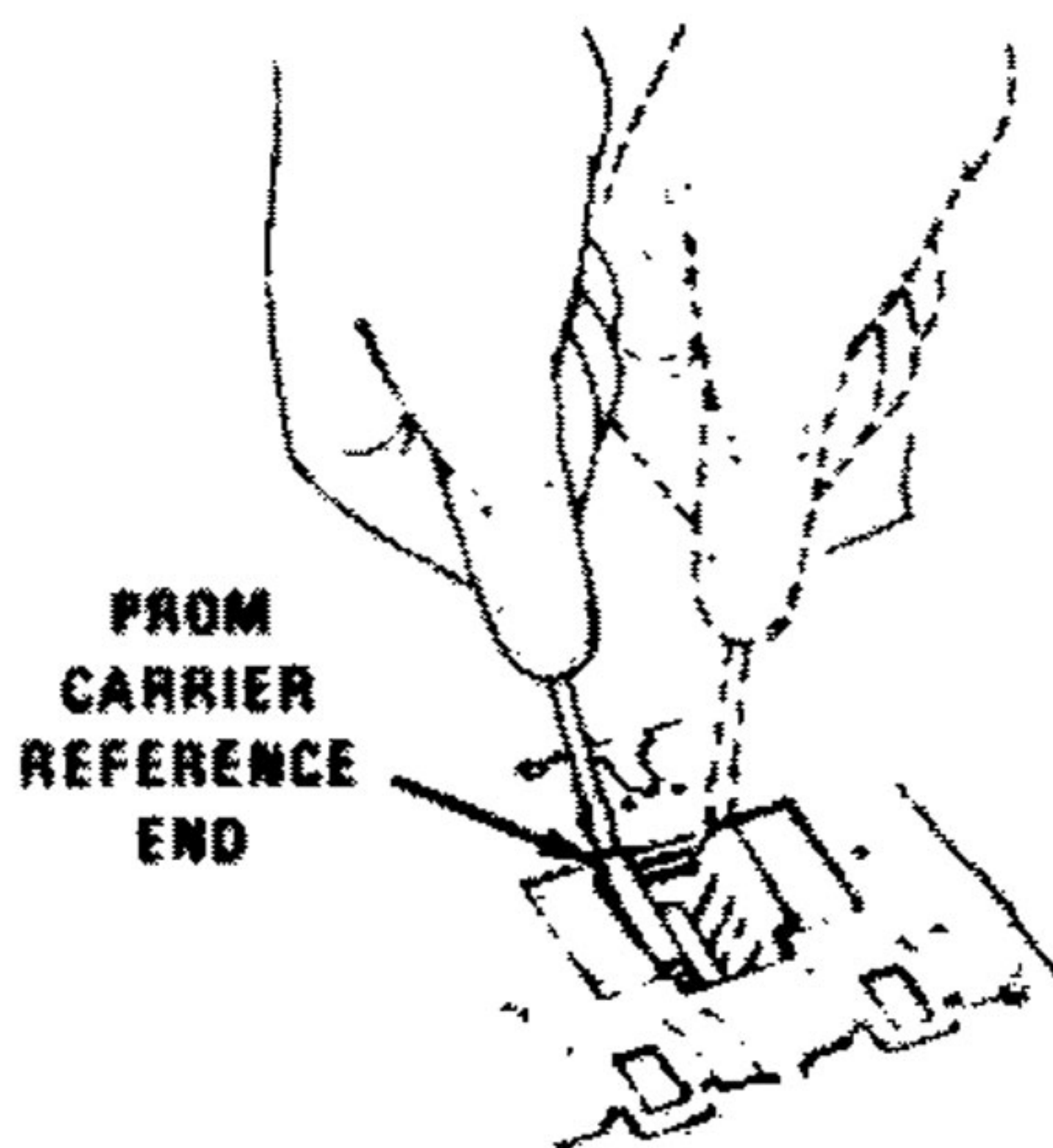
ENGINE CALIBRATION UNIT (PROM) REPLACEMENT (1980 - 1983 CCC MULTIFUNCTION)

CAUTION: THE IGNITION SHOULD ALWAYS BE OFF WHEN INSTALLING OR REMOVING THE ECM CONNECTORS.



• ELECTRONIC CONTROL MODULE (ECM) MOUNTING HARDWARE NOT ILLUSTRATED. HARDWARE CONFIGURATION WILL VARY WITH CAR DIVISION.

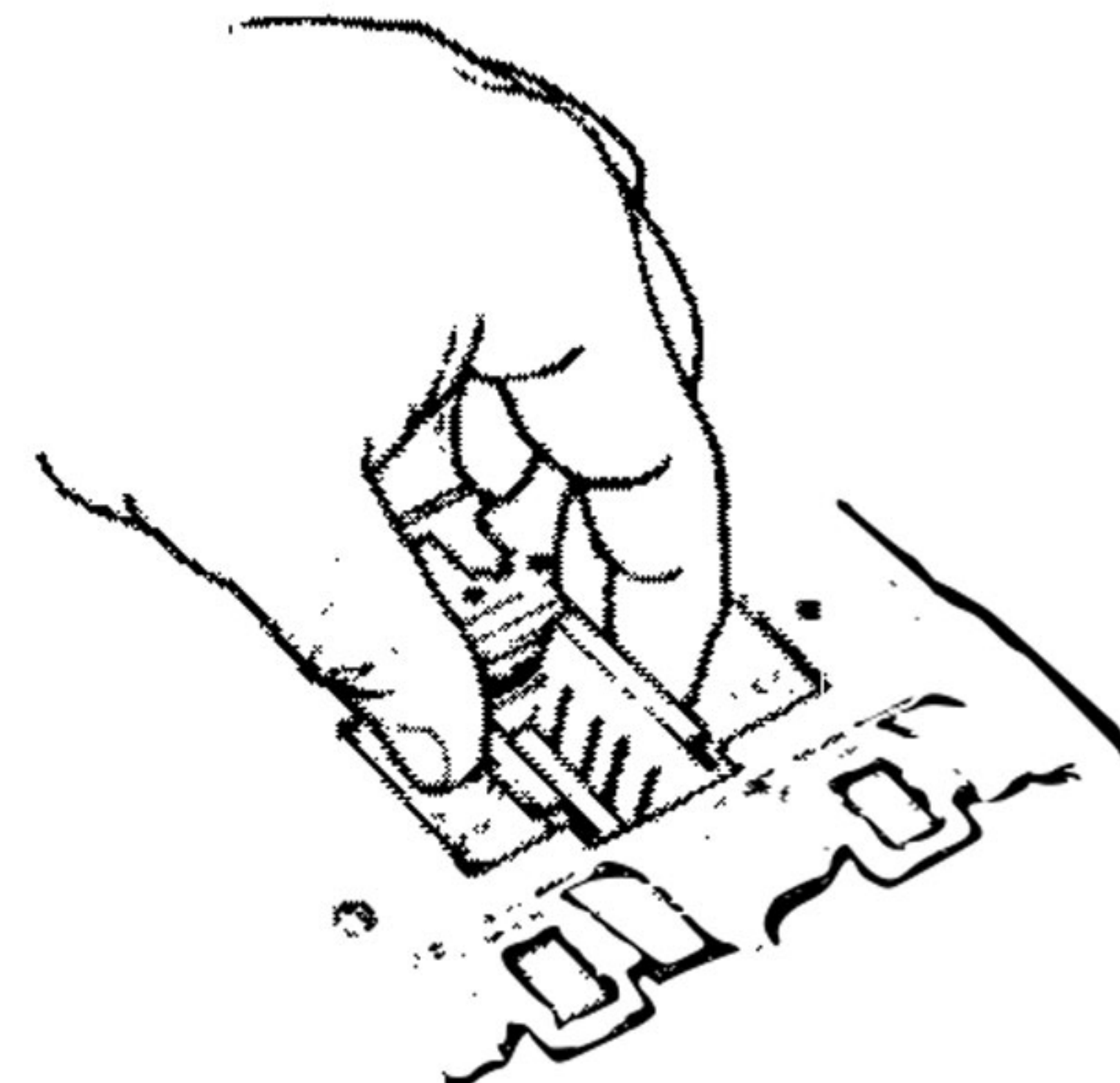
- A. 1. Disconnect the two connectors from the ECM.
2. Remove the ECM mounting hardware.
3. Remove the ECM from the passenger compartment.
4. Remove the one sheet metal screw holding the access cover closed.
5. Remove the access cover.



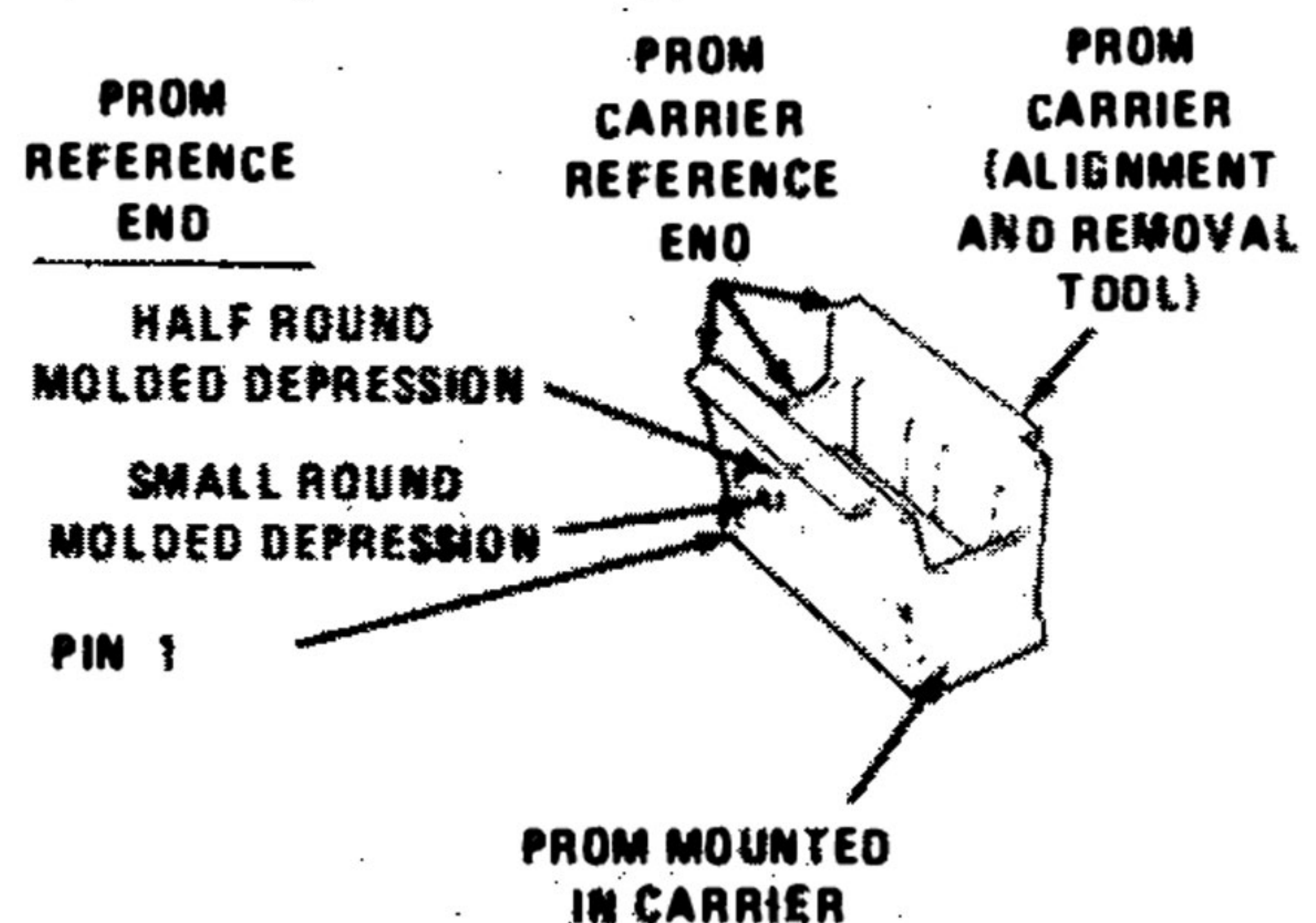
- B. 1. Take a small screwdriver (or similar small tool) with end of blade dimensions approximately 1/8" wide by 1/32" thick.
2. Place blade at PROM carrier reference end between edge of opening in case and the underside of one of the protruding lips of the carrier. Using a prying action, force the side of the carrier up as far as possible.
3. Repeat step 2 on the other lip at reference end of carrier.



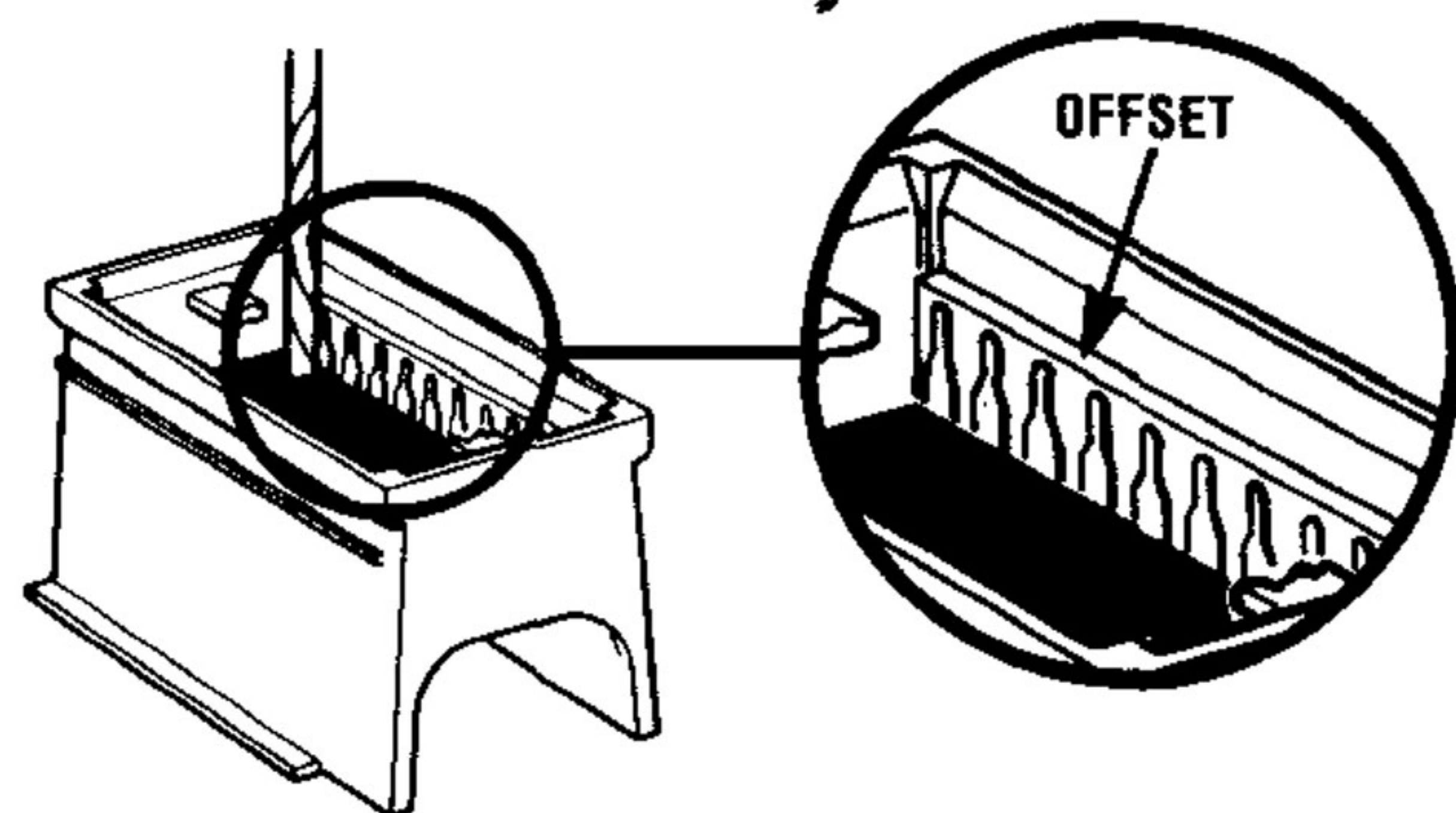
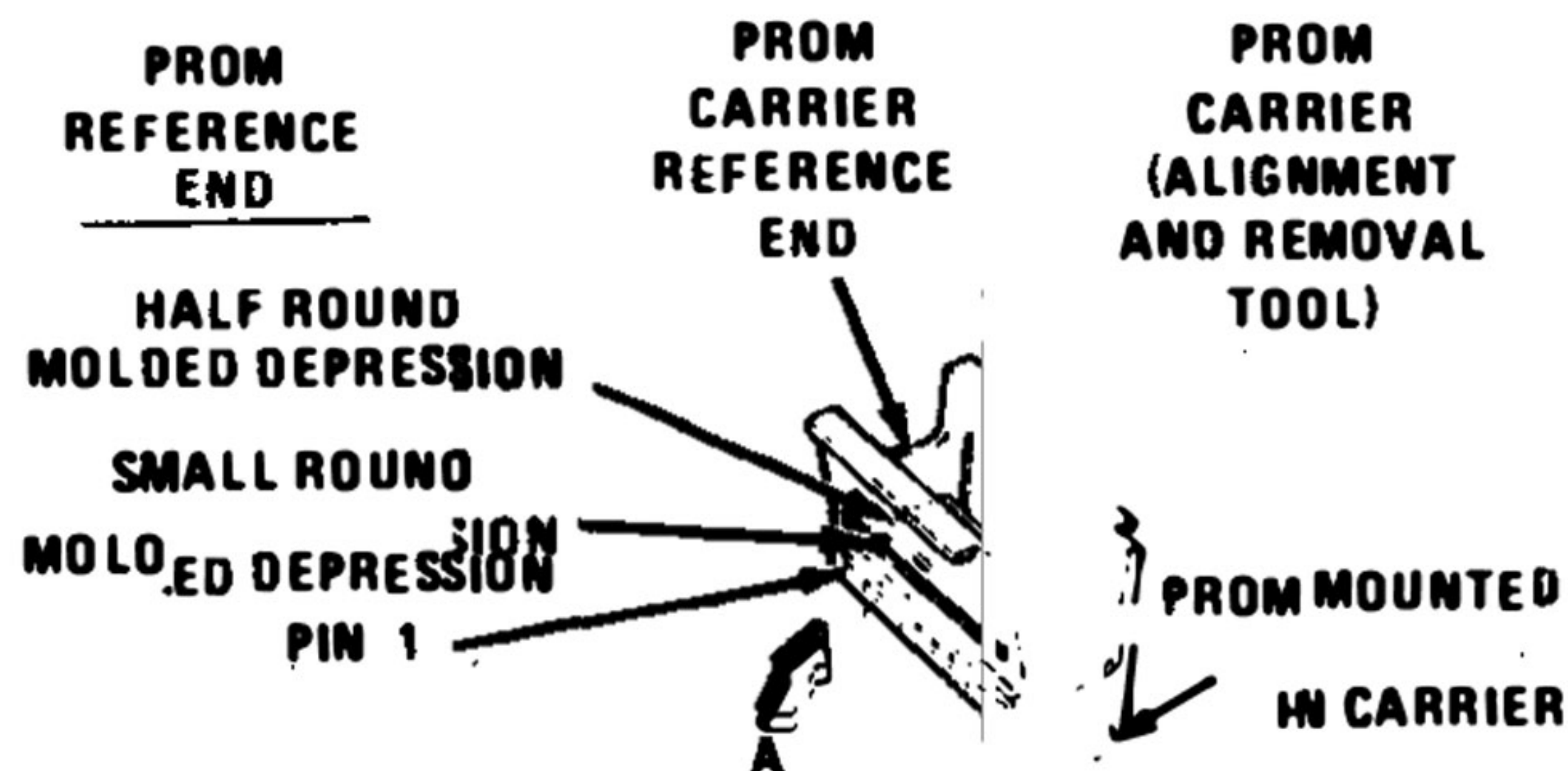
4. Repeat step 2 for both lips at opposite end of carrier.



5. Grasp the engine calibration unit (PROM) carrier between thumb and forefinger. Gently rock the carrier from side to side while applying a firm upward force and remove the PROM.
6. If PROM carrier cannot be removed at this point, repeat steps B-2 through B-5.



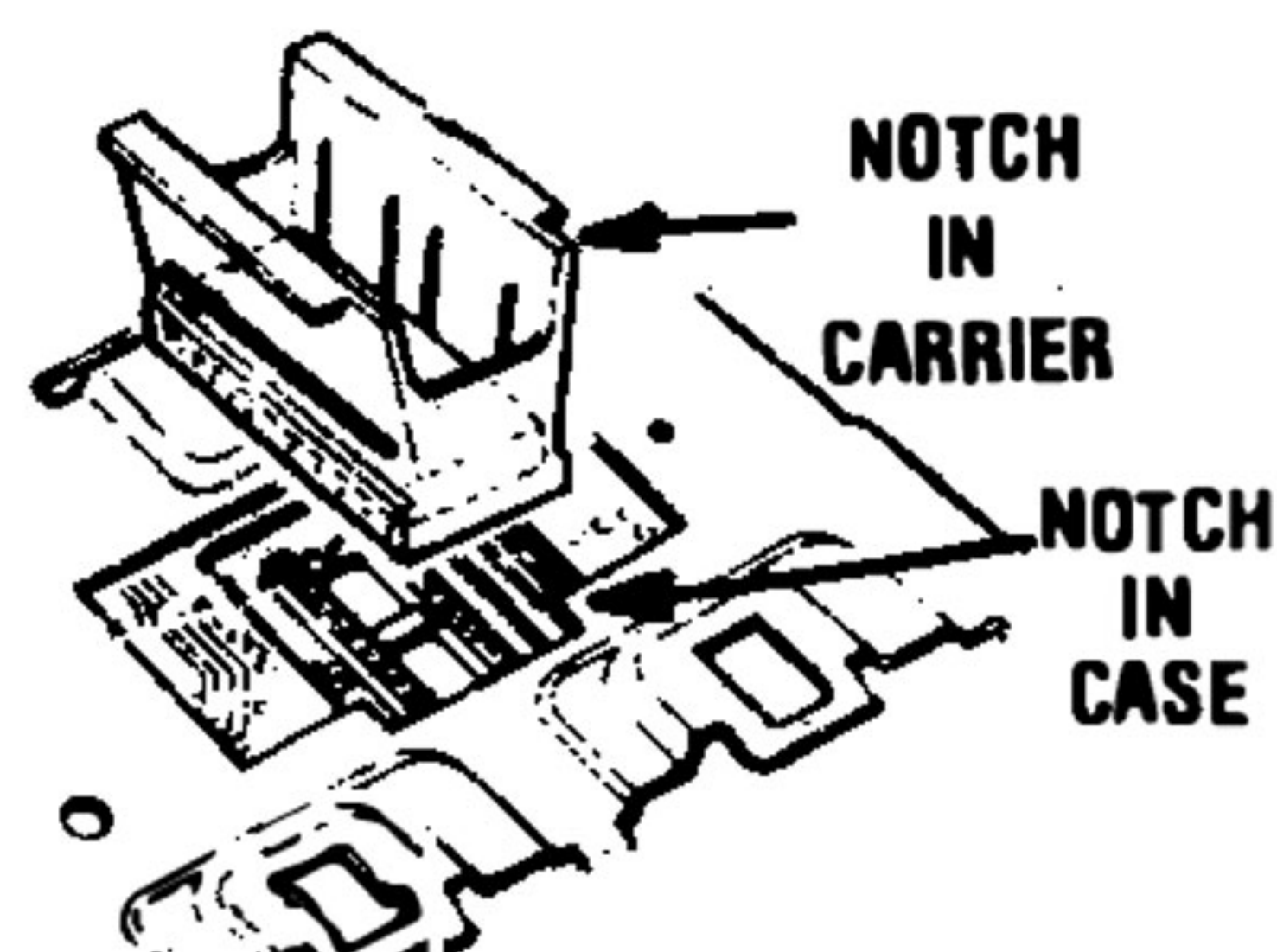
- C. 1. Take the new PROM, mounted in PROM carrier, out of its packaging and check the part number making sure it is the same as the one removed from the failed ECM.
2. Take the new PROM, mounted in PROM carrier and make sure the molded half round depression on the PROM is at the same end as the squared off symmetrical end of the carrier. Also make sure there is equal space between the ends of the PROM and the carrier.



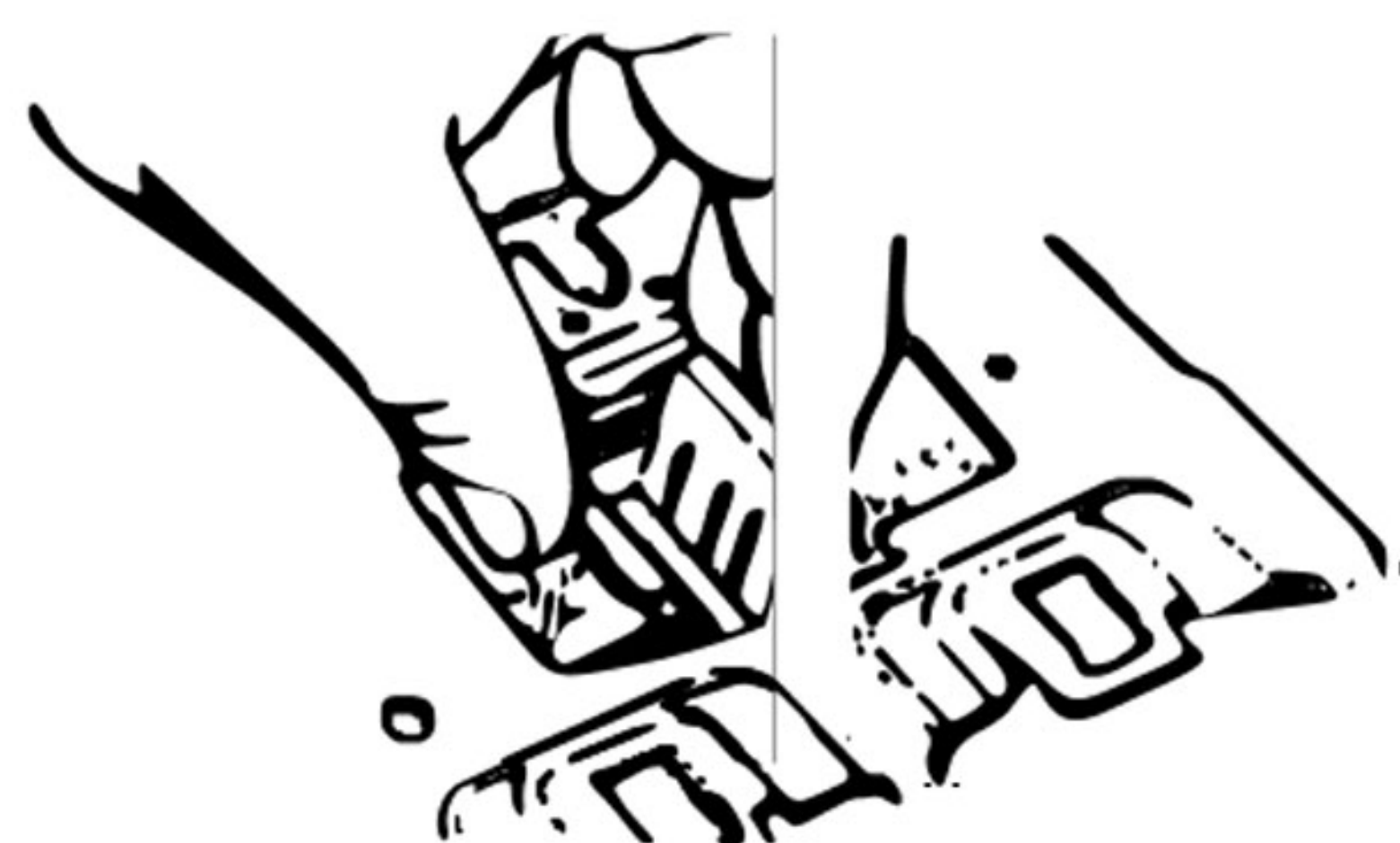
Push PROM down until pins are even with offset on side of carrier.

VIEW "A"

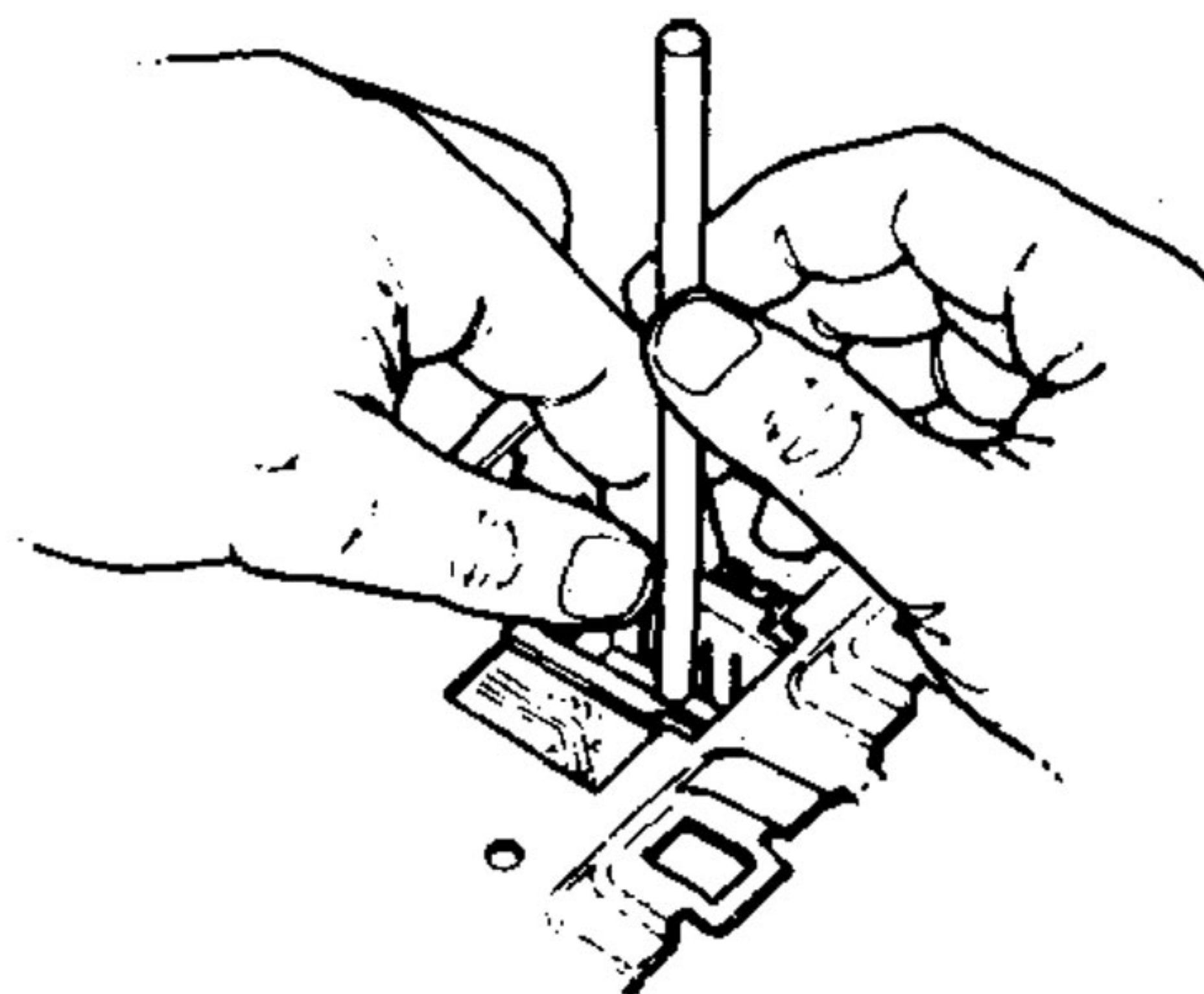
- D. 1. Position the PROM in the carrier as indicated in View "A". Make sure to position the ends of the PROM pins even with the narrow molded offset on the inside wall of the carrier near the bottom.



- E. 1. Align the notched end of the PROM carrier with the notched end of the case and position the carrier squarely over the PROM.

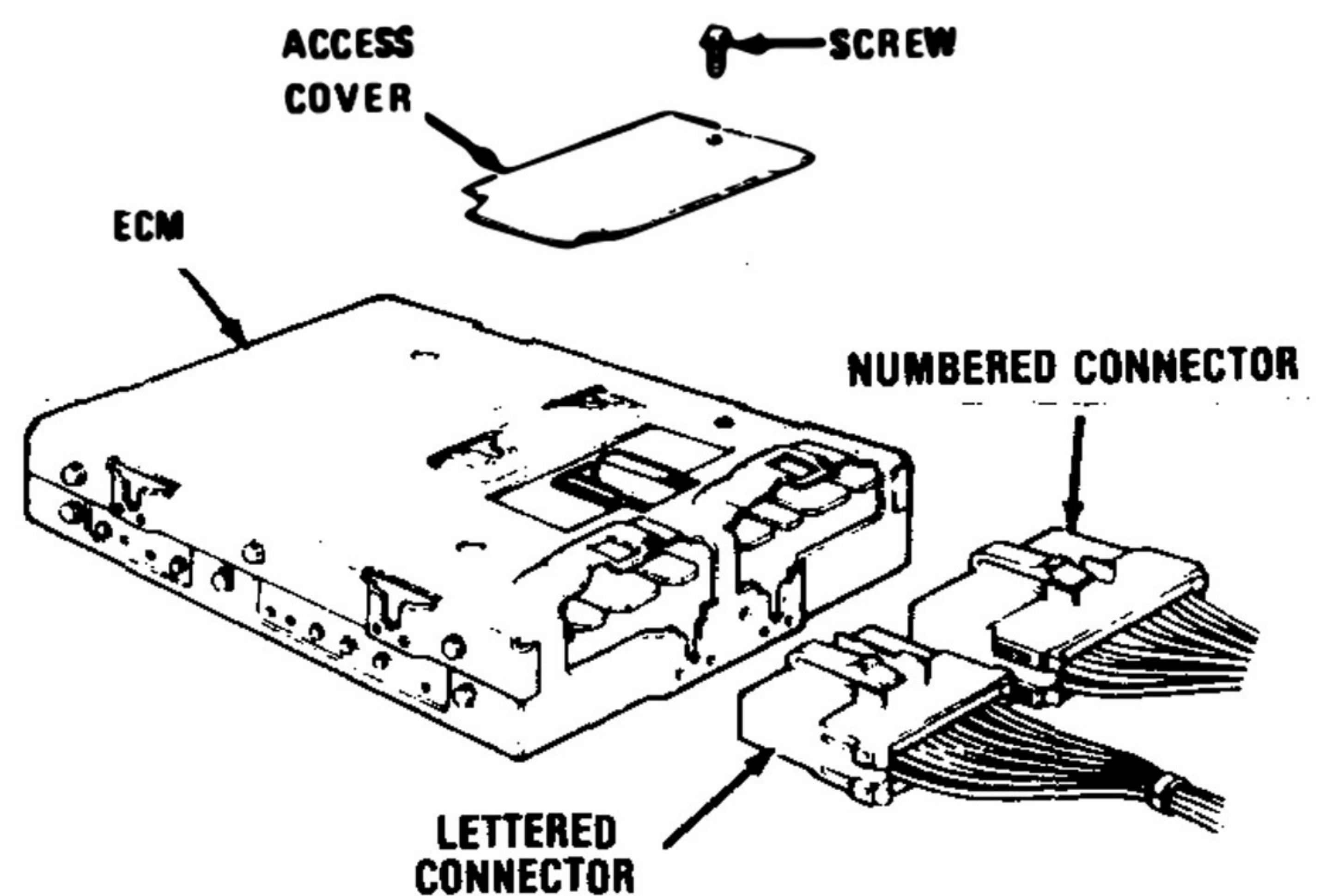


2. Press down firmly on the top of the carrier.



3. While firmly pressing down on the carrier, take a narrow blunt tool and press down on the body of the PROM. Try to seat the PROM in the socket squarely by alternately pressing on either end of it.

NOTE: ANYTIME THE PROM IS INSTALLED BACKWARDS AND THE IGNITION SWITCH TURNED ON THE PROM IS DESTROYED.



- F. 1. Replace access cover.
 2. Reinstall access cover fastening screw.
 3. Reinstall ECM in passenger compartment.
 4. Reconnect the two connectors to the ECM.
 5. Turn ignition on and start engine.
 6. Ground diagnostic test lead.
 7. Look for trouble code 51. If this occurs, the PROM is not fully seated, installed backwards, has bent pins, or is defective.
- Remove the PROM, following instructions in step "A" & "B".
 - If not fully seated press firmly on PROM.
 - If pins bend, remove PROM, straighten pins and reinstall. If bent pins break or crack during straightening, discard PROM and replace it.
 - If found defective, replace PROM.
 - If installed backwards, REPLACE THE PROM.