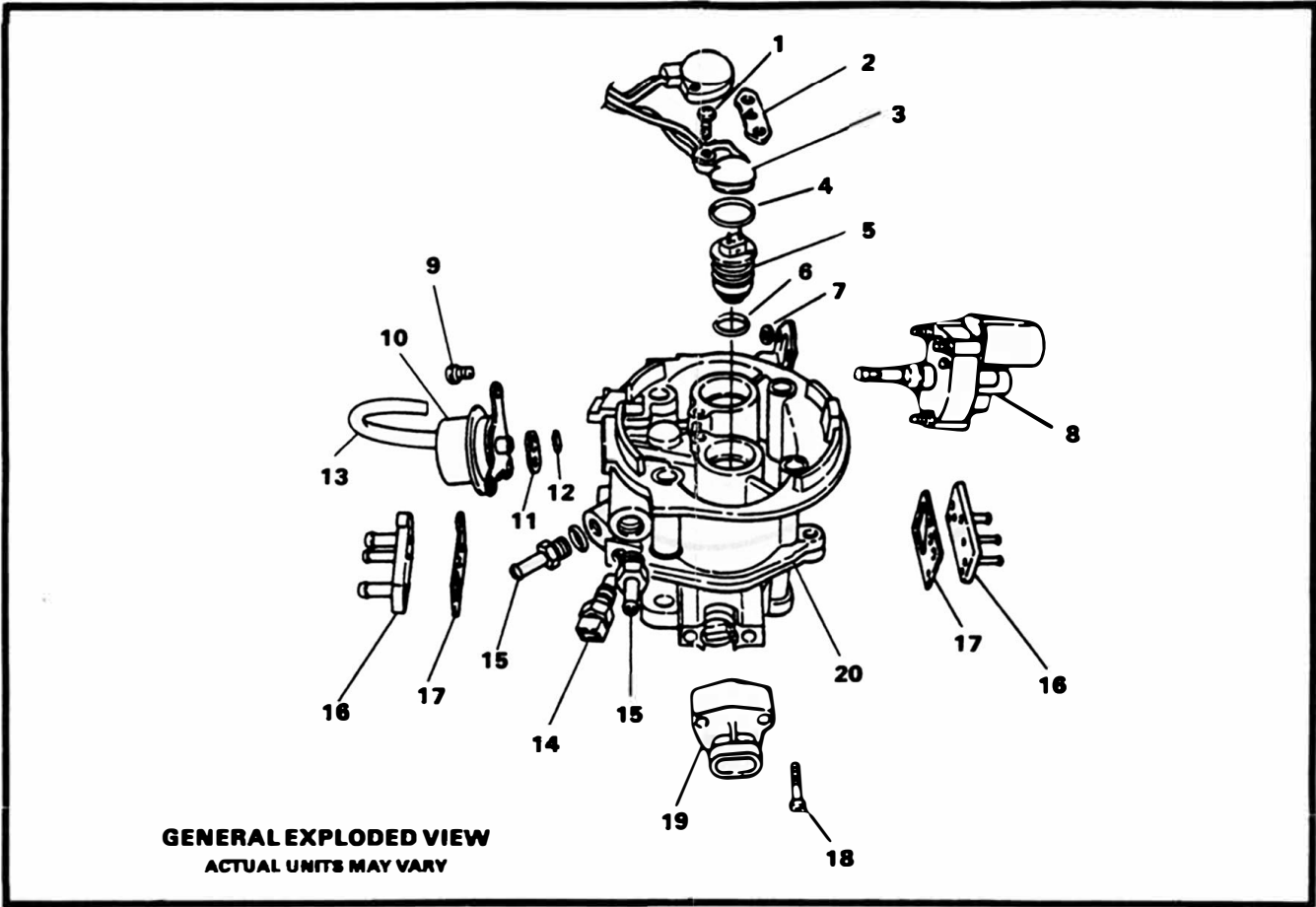


## OFF VEHICLE THROTTLE BODY INJECTION SERVICE CHRYSLER 3.9L, 5.2L, 5.9L ENGINES



**GENERAL EXPLODED VIEW**  
ACTUAL UNITS MAY VARY

### CAUTION

TO REDUCE THE RISK OF FIRE, IT IS NECESSARY TO RELIEVE THE FUEL SYSTEM PRESSURE BEFORE DISCONNECTING FUEL LINES.

1. DISCONNECT FUEL PUMP.
2. START ENGINE.
3. AFTER ENGINE STALLS, CRANK FOR 5-10 SECONDS.
4. TURN IGNITION OFF.
5. REMOVE TBI ASSEMBLY.

### DISASSEMBLY

USE THE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION. NOTE SPECIAL INSTRUCTIONS.

### SPECIAL DISASSEMBLY INSTRUCTIONS

INJECTOR CAPS AND HARNESS (3)-REMOVE SCREW. LIFT STRAIGHT UP TO REMOVE CAPS-PULL OUTWARD AND UP TO REMOVE HARNESS CLIP.  
INJECTORS (5)-GENTLY PULL STRAIGHT UP TO REMOVE. REMOVE UPPER O-RING (4). REMOVE LOWER O-RING (6) FROM BOTTOM. COMPARE USED O-RINGS TO SUPPLIED PARTS TO DETERMINE CORRECT REPLACEMENT PARTS.  
TEMPERATURE SENSOR (14)-DO NOT REMOVE UNLESS REPLACEMENT IS NECESSARY. NEVER REMOVE GEL FROM SENSOR OR CAVITY.  
THROTTLE POSITION SENSOR (19)-SCRIBE A MARK ON THE MOUNTING FLANGES FOR REASSEMBLY REFERENCE. DO NOT DISASSEMBLE THROTTLE SHAFT ASSEMBLY UNLESS REPLACEMENT IS NECESSARY.  
COMPARE THE FLANGE BLOCK TO REPLACEMENT SKINS PROVIDED, SEE BACK OF SHEET FOR INSTRUCTIONS.

### CLEANING

CLEANING MUST BE DONE WITH UNIT DISASSEMBLED. DO NOT IMMERSE THROTTLE BODY IN ANY TYPE OF CLEANING SOLVENT. DAMAGE TO THE SHAFT SEALS AND BEARINGS WILL RESULT. CLEAN PASSAGES AND PARTS WITH A SPRAY CARBURETOR CLEANER. BE SURE TO REMOVE ALL CARBON DEPOSITS. WASH OFF WITH SUITABLE SOLVENT AND USE COMPRESSED AIR TO BLOW OUT ALL PASSAGES. DO NOT USE SOLVENT OR CLEANER ON CAP AND HARNESS (3), INJECTORS (5), PRESSURE REGULATOR (10), TEMPERATURE SENSOR (14), OR THROTTLE POSITION SENSOR (19).

### NOMENCLATURE

| REF. NO.                          | REF. NO.                            |
|-----------------------------------|-------------------------------------|
| 1. SCREW, INJECTOR CAP            | 11. GASKET, PRESSURE REGULATOR      |
| 2. BRACKET, INJECTOR CAP          | 12. O-RING, PRESSURE REGULATOR      |
| 3. INJECTOR CAP, WITH HARNESS     | 13. VACUUM HOSE, PRESS. REGULATOR   |
| 4. O-RING, INJECTOR CAP           | 14. SENSOR, TBI TEMPERATURE         |
| 5. INJECTORS (2)                  | 15. FITTINGS, FUEL INLET AND OUTLET |
| 6. O-RING, INJECTOR LOWER         | 16. VACUUM NIPPLE MANIFOLD (2)      |
| 7. NUT, THROTTLE KICKER SOLENOID  | 17. GASKET, VACUUM MANIFOLD (2)     |
| 8. THROTTLE KICKER SOLENOID       | 18. SCREWS, TPS (2)                 |
| 9. SCREWS, PRESSURE REGULATOR (3) | 19. THROTTLE POSITION SENSOR (TPS)  |
| 10. PRESSURE REGULATOR            | 20. THROTTLE BODY ASSEMBLY          |

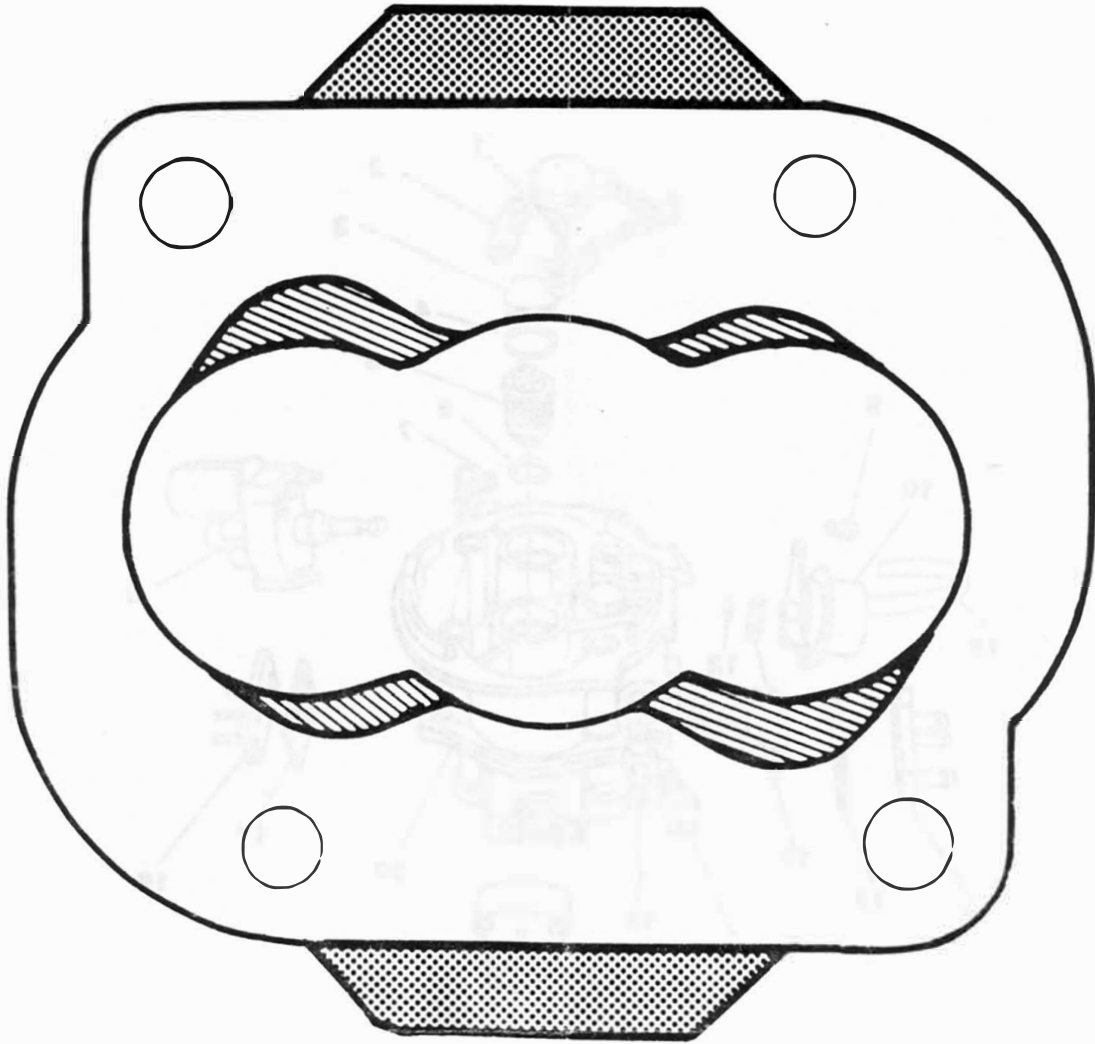
### REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE ALL SPECIAL REASSEMBLY INSTRUCTIONS.

### SPECIAL REASSEMBLY INSTRUCTIONS

O-RINGS--BY COMPARISON WITH STYLES SUPPLIED. DETERMINE CORRECT REPLACEMENT UNITS. APPLY SILICONE OIL FOR EASE OF INSTALLATION.  
INJECTOR--INSTALL UPPER O-RING FROM TOP. INSTALL LOWER O-RING FROM BOTTOM. ALIGN TERMINALS. PUSH STRAIGHT DOWN WITH SUITABLE TOOL TO SEAT.  
THROTTLE POSITION SENSOR--ALIGN MARKS SCRIBED ON DISASSEMBLY.

(See other side)



### **FLANGE GASKET SKINS REPLACEMENT**

COMPARE THE ORIGINAL FLANGE PHENOLIC BLOCK TO THE REPLACEMENT SKINS PROVIDED. IF NECESSARY, TRIM THE REPLACEMENT SKINS AS SHOWN IN THE SHADED AREAS TO MATCH THE ORIGINAL BLOCK CONFIGURATION. USE THE PHENOLIC BLOCK AS A TEMPLATE TO MARK THE SKINS FOR TRIMMING.

