REPLACEMENT INSTRUCTIONS FOR GM TBI FUEL INJECTOR FOR MODEL 295

CAUTION

RELIEVE FUEL PRESSURE PER MANUFACTURER'S RECOMMENDED PROCEDURE BEFORE REMOVING INJECTION ASSEMBLY OR DISASSEMBLING ANY FUEL CONTROL COMPONENT

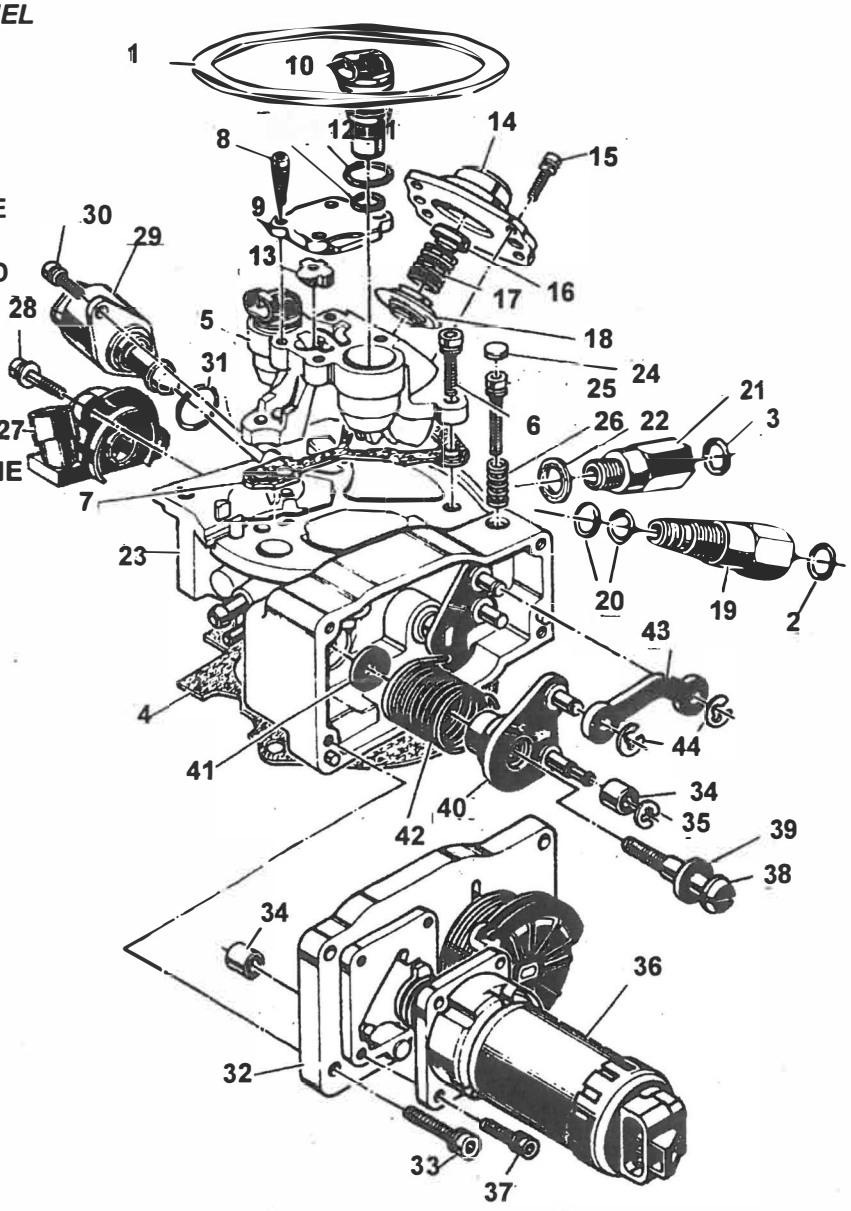
SPECIAL DISASSEMBLY PROCEDURES

REMOVE FUEL METER COVER & REGULATOR ASSY FROM TBI UNIT. REMOVE FUEL INJECTOR USING A WOODEN PENCIL OR DOWEL PLACED AGAINST THE FUEL METER ASSEMBLY FOR A PRYING POINT. INSERT A SCREWDRIVER AGAINST THE PENCIL AND UNDER THE SAME NOTCH AT THE TOP OF THE INJECTOR. GENTLY PRY UP THE INJECTOR UNTIL FREED FROM THE BODY.

REASSEMBLY PROCEDURES

INSERT THE SMALL O-RING ON THE BOTTOM OF THE INJECTOR. INSERT THE LARGE O-RING INTO THE FUEL METER BODY. LUBRICATE THE O-RINGS WITH WD40 OR EQUIVALENT AND GENTLY PUSH THE INJECTOR INTO THE BODY UNTIL FULLY SEATED. REASSEMBLE THE FUEL METER COVER ASSEMBLY WITH THE NEW GASKETS PROVIDED.

TYPICAL ILLUSTRATION



NOMENCLATURE

REF # DESCRIPTION

1) GASKET - AIR CLEANER
2) O-RING FUEL LINE INLET NUT
3) O-RING FUEL LINE OUTLET NUT
4) GASKET - TBI
5) FUEL METER BODY ASSEMBLY
6) SCREW ASSY - FUEL METER BODY TO THROTTLE BODY
7) GASKET - FUEL METER BODY TO THROTTLE BODY
8) SCREW ASSY - FUEL METER BODY COVER
9) COVER - FUEL METER COVER
10) INJECTOR - TBI
11) O-RING - FUEL INJECTOR - UPPER
12) O-RING - FUEL INJECTOR - LOWER
13) BLOCK - FUEL VAPOR
14) COVER - PRESSURE REGULATOR
15) SCREW ASSY - REGULATOR COVER
16) SEAT - PRESSURE REGULATOR SPRING
17) SPRING - PRESSURE REGULATOR
18) PRESSURE REGULATOR DIAPHRAGM ASSY
19) NUT - FUEL INLET
20) O-RING FUEL INLET NUT
21) FITTING - FUEL OUTLET
22) GASKET - FUEL OUTLET FITTING
23) THROTTLE BODY ASSY
24) PLUG - IDLE STOP
25) SCREW ASSY - IDLE STOP
26) SPRING - IDLE STOP SCREW
27) SENSOR - THROTTLE POSITION (TPS)
28) SCREW ASSY - TPS
29) IDLE AIR CONTROL (IAC) VALVE ASSY
30) SCREW ASSY - IAC VALVE
31) O-RING - IAC VALVE
32) THROTTLE DRIVE ASSY
33) SCREW ASSY - MOTOR PLATE
34) SHOCK ABSORBER
35) RING RETAINER - SHOCK ABSORBER
36) MOTOR - DRIVE
37) SCREW ASSY - DRIVE MOTOR
38) STUD
39) WASHER - STUD
40) LEVER AND BEARING ASSY
41) WASHER - LEVER
42) SPRING GOVERNOR
43) LINK - THROTTLE TO MOTOR
44) RING RETAINER - LINK

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ATTACHING SCREW INSTALLATION PROCEDURE

USE THIS PROCEDURE WHEN REASSEMBLING TBI PRESSURE REGULATOR, FUEL BODY, OR INJECTOR AND RETAINER.

1) USE ONLY MOBILGREASE #28 OR AERONAUTICAL GRADE EQUIVALENT.
2) REMOVE ANY OIL OR GREASE FROM ATTACHING SCREW THREADS.
3) APPLY THREAD LOCKING COMPOUND FROM THE ENCLOSED CAPSULE TO THE FIRST THREE (3) THREADS OF THE ATTACHING SCREW. IF A THREAD LOCKING COMPOUND IS NOT AVAILABLE, OBTAIN AN ANAEROBIC THREAD LOCKING COMPOUND (LOCTITE 262 OR EQUIVALENT) FROM A LOCAL DISTRIBUTOR.

NOTICE: DO NOT APPLY A HIGHER STRENGTH THREAD LOCKING COMPOUND THAN RECOMMENDED, AS THIS MAY PREVENT SCREW REMOVAL OR CAUSE BREAKAGE OF THE SCREW HEAD IF REMOVAL IS AGAIN REQUIRED.

4) INSTALL ATTACHING SCREWS AND TIGHTEN THEM AS FOLLOWS:

A. PRESSURE REGULATOR SCREWS:	(FIGURE 2)	2.4 N.M. (21 INCH/LBS)
B. FUEL METER BODY SCREWS:	(FIGURE 1, #61)	3.2 N.M. (28 INCH/LBS)
C. INJECTOR RETAINER SCREW:	(FIGURE 1, #37)	3.2 N.M. (28 INCH/LBS)
D. TPS ATTACHING SCREW	(FIGURE 3)	2.0 N.M. (18 INCH/LBS)
E. IACV SCREW ASSEMBLY	(FIGURE 10)	3.2 N.M. (28 INCH/LBS)
F. MOTOR PLATE ATTACHING SCREW	(FIGURE 5)	4.5 N.M. (40 INCH/LBS)

REFER TO VEHICLE SERVICE MANUAL FOR SPECIFIC INSTRUCTIONS FOR REASSEMBLY OF PARTS.

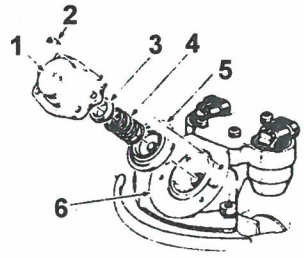


FIGURE 2 - PRESSURE REGULATOR DISASSEMBLY
1) PRESSURE REGULATOR COVER
2) REGULATOR COVER ATTACHING SCREW ASSEMBLY
3) PRESSURE REGULATOR SPRING SEAT
4) PRESSURE REGULATOR SPRING
5) PRESSURE REGULATOR DIAPHRAGM ASSEMBLY
6) FUEL METER BODY ASSEMBLY

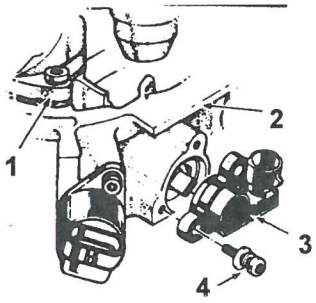


FIGURE 3 - THROTTLE POSITION SENSOR (TPS)
1) FUEL METER BODY ASSEMBLY
2) THROTTLE BODY ASSEMBLY
3) THROTTLE POSITION SENSOR (TPS)
4) TPS ATTACHING SCREW ASSEMBLY

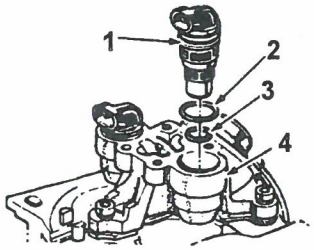


FIGURE 4 - FUEL INJECTOR
1) TBI INJECTOR
2) UPPER FUEL INJECTOR O-RING
3) LOWER FUEL INJECTOR O-RING
4) FUEL METER BODY ASSEMBLY

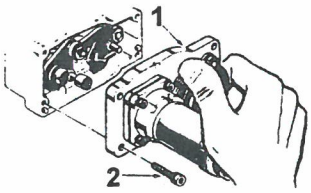


FIGURE 5 - GOVERNOR THROTTLE DRIVE ASSEMBLY
1) THROTTLE DRIVE ASSEMBLY
2) MOTOR PLATE ATTACHING SCREW ASSEMBLY

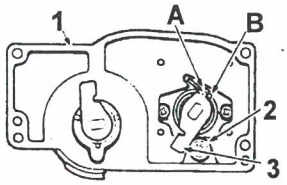


FIGURE 6 - REWINDING GOVERNOR DRIVE MOTOR LEVER SPRING
1) THROTTLE DRIVE ASSEMBLY (COVER PLATE)
2) SHOCK ABSORBER
3) MOTOR DRIVE LEVER

A) UNHOOK SPRING TO REMOVE MOTOR
B) REWIND SPRING AND HOOK TO ENGAGE MOTOR DRIVE LEVER

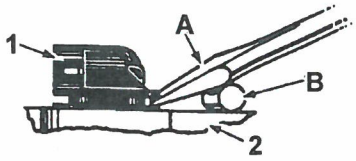


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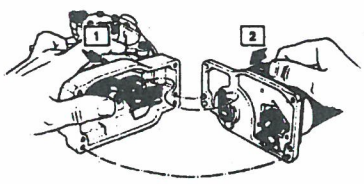


FIGURE 8 - GOVERNOR THROTTLE DRIVE ALIGNMENT
1) HOLD THROTTLE VALVES CLOSED
2) POSITION THROTTLE LEVER CAM BARREL AT ELEVEN O'CLOCK

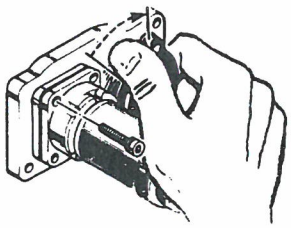


FIGURE 9 - GOVERNOR DRIVE MOTOR

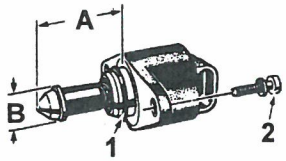


FIGURE 10 - IDLE AIR CONTROL VALVE
1) IAC VALVE O-RING
2) IAC VALVE SCREW ASSEMBLY

A) DISTANCE OF PINTLE EXTENSION
B) DIAMETER OF PINTLE