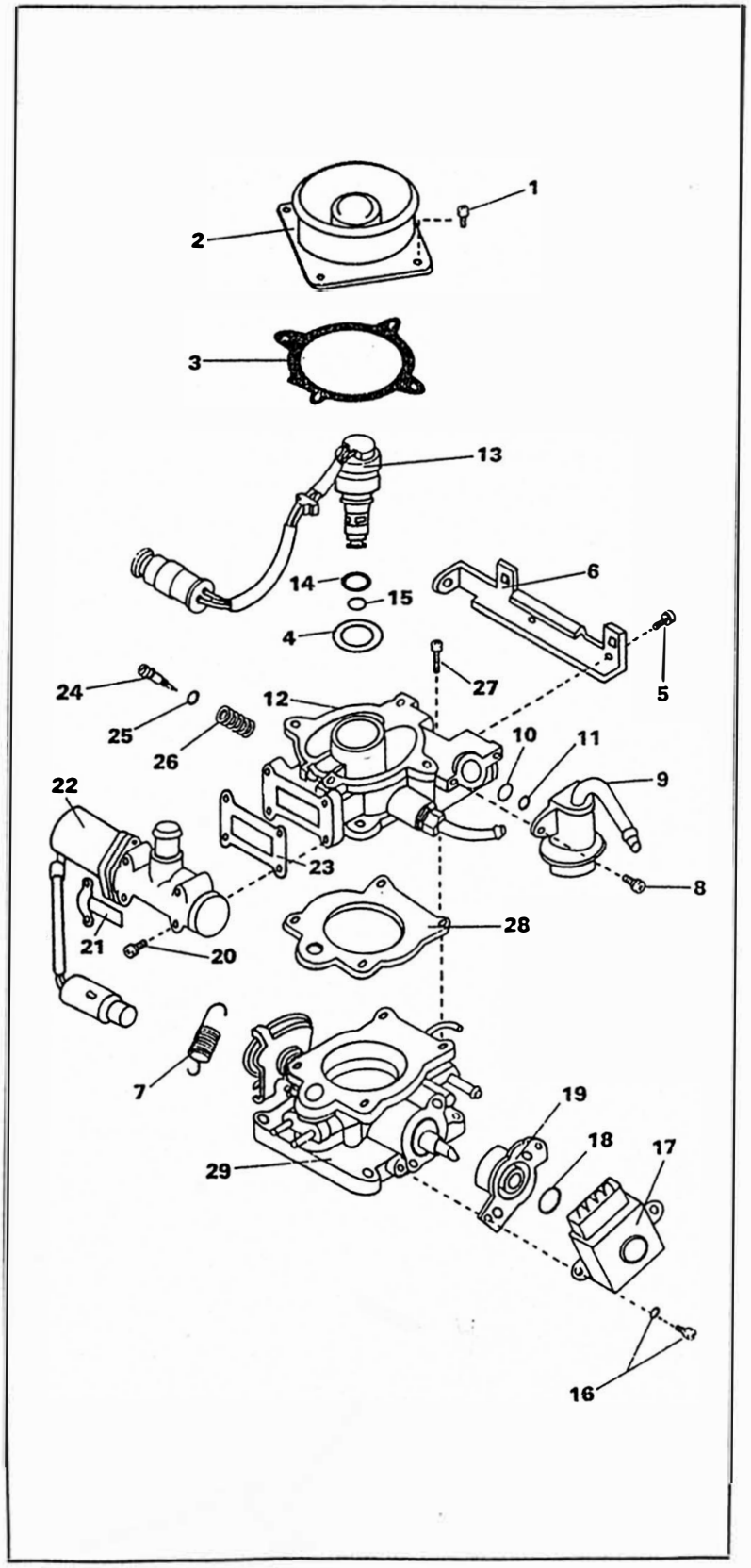
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INSTRUCTION SHEET
OFF VEHICLE THROTTLE BODY INJECTION SERVICE
HITACHI HI-1 (SUBARU 1800 ENGINE)

GENERAL EXPLODED VIEW



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 (13)-FIRST REMOVE VENTURI CHAMBER ASSEMBLY FROM THROTTLE BODY. INVERT IT, THEN USE A PROPELY SIZED WOODEN DOWEL ROD TO GENTLY TAP THE INJECTOR OUT OF HOUSING.

THROTTLE POSITION SENSOR(17)-SCRIBE A MARK ON MOUNTING THE FLANGES FOR REASSEMBLY REFERENCE.

IDLE ADJUSTMENT SCREW (24)-TURN IN TO LIGHTLY SEAT. RECORD NUMBER OF TURNS FOR REASSEMBLY REFERENCE.

DO NOT DISASSEMBLE THROTTLE SHAFT ASSEMBLY UNLESS REPLACEMENT IS NECESSARY.

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW & WASHER, INJECTOR CAP (4)	16. SCREW & WASHER, THROTTLE POSITION SENSOR (2)
2. INJECTOR CAP	17. THROTTLE POSITION SENSOR (TPS)
3. GASKET, INJECTOR CAP	18. O-RING, THROTTLE POSITION SENSOR
4. RUBBER RING	19. PLATE, THROTTLE POSITION SENSOR MOUNTING
5. SCREW & WASHER, CABLE BRACKET (2)	20. SCREW & WASHER, IDLE SPEED CONTROL VALVE
6. BRACKET, CABLE	21. CLAMP, IDLE SPEED CONTROL VALVE HARNESS
7. SPRING, THROTTLE RETURN	22. IDLE SPEED CONTROL VALVE
8. SCREW & WASHER, PRESSURE REGULATOR (2)	23. GASKET, IDLE SPEED CONTROL VALVE
9. PRESSURE REGULATOR	24. IDLE ADJUSTMENT SCREW
10. O-RING, PRESSURE REGULATOR LARGE	25. WASHER, IDLE ADJUSTMENT SCREW
11. O-RING, PRESSURE REGULATOR SMALL	26. SPRING, IDLE ADJUSTMENT SCREW
12. VENTURI CHAMBER ASSEMBLY	27. SCREW & WASHER, THROTTLE BODY (4)
13. INJECTOR	28. GASKET, THROTTLE BODY
14. O-RING, INJECTOR LARGE	29. THROTTLE BODY
15. O-RING, INJECTOR SMALL	

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 INJECTOR (13), PRESSURE REGULATOR (9), THROTTLE POSITION SENSOR (17), OR IDLE SPEED CONTROL VALVE (22).

REASSEMBLY

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

SPECIAL REASSEMBLY INSTRUCTIONS

O-RINGS--APPLY SILICONE OIL FOR EASE OF INSTALLATION.

INJECTOR--ALIGN TERMINALS, PUSH STRAIGHT DOWN WITH SUITABLE TOOL TO SEAT.

THROTTLE POSITION SENSOR--ALIGN WITH MARKS SCRIBED ON DISASSEMBLY.

IDLE ADJUSTMENT SCREW--TURN IN TO LIGHTLY SEAT. BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.