

ELECTRONIC EGR VALVE (MULTIPLE SOLENOID TYPE)

TOOLS REQUIRED:

- 9-VOLT ALKALINE BATTERY
- 2 JUMPER WIRES
- 2 SMALL WHITE TEST LEADS (ROUND OR FLAT)

TEST PROCEDURE

1. CONNECT A JUMPER WIRE FROM THE 9-VOLT BATTERY NEGATIVE TERMINAL TO THE MALE END OF A SMALL WHITE TEST LEAD. CONNECT THE FEMALE END OF THE SMALL WHITE TEST LEAD TO THE #1 TERMINAL ON THE EGR VALVE CONNECTOR AS SHOWN IN DIAGRAM.
2. CONNECT ANOTHER JUMPER WIRE TO THE MALE END OF A SMALL WHITE TEST LEAD. CONNECT THE FEMALE END OF THE SMALL WHITE TEST LEAD TO THE #4 TERMINAL ON THE EGR VALVE CONNECTOR AS SHOWN IN DIAGRAM AND TAP THE OTHER END OF THE JUMPER WIRE AGAINST THE 9-VOLT BATTERY POSITIVE TERMINAL.
3. AS YOU TAP THE JUMPER LEAD AGAINST THE POSITIVE BATTERY TERMINAL, TURN THE EGR VALVE UPSIDE DOWN (BASE END UP - CONNECTOR END DOWN) AND WATCH FOR PINTLE (PLUNGER) #1 OF THE VALVE TO MOVE UP AND DOWN AS SHOWN IN THE DIAGRAM. IF IT DOES NOT MOVE UP AND DOWN, THE VALVE IS FAULTY AND SHOULD BE REPLACED. IF IT DOES MOVE UP AND DOWN, PROCEED TO STEP #4.
4. MOVE THE NEGATIVE JUMPER WIRE FROM #1 TERMINAL TO THE #2 TERMINAL OF THE EGR VALVE. REPEAT STEP #3, WATCHING FOR PINTLE #2 TO MOVE UP AND DOWN AS SHOWN IN THE DIAGRAM. IF IT DOES NOT MOVE UP AND DOWN, THE VALVE IS FAULTY AND SHOULD BE REPLACED. IF IT DOES MOVE UP AND DOWN, PROCEED TO STEP #5.
5. MOVE THE NEGATIVE JUMPER WIRE FROM #2 TERMINAL TO #3 TERMINAL OF THE EGR VALVE.
6. REPEAT STEP #3 AGAIN, WATCHING FOR THE PINTLE #3 TO MOVE UP AND DOWN AS SHOWN IN DIAGRAM. IF IT DOES NOT MOVE UP AND DOWN, THE VALVE IS FAULTY AND SHOULD BE REPLACED.
7. IF EGR VALVE IS NOT FAULTY, IT IS RECOMMENDED THAT YOU THOROUGHLY CLEAN PINTLE AREA WITH CARB CLEANER BEFORE REINSTALLING VALVE AND CHECK EGR VALVE PASSAGE IN THE INTAKE MANIFOLD AND CLEAR BLOCKAGE IF ANY IS PRESENT.

