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ON-VEHICLE SERVICE**SPEEDOMETER CHECK**

1. Adjust tire pressure to the specified level. (Refer to GROUP 31 - Service Specifications.)
2. Set the vehicle onto a speedometer tester and use wheel chocks to hold the rear wheels.
3. Make sure the parking brake has been applied.

4. To prevent the front wheel from moving from side to side, attach tension bars to the tie-down hook, and secure both ends to anchor plates.
5. To prevent the vehicle from launching, attach a chain or wire to the rear retraction hook, and make sure the end of the chain or wire is secured firmly.
6. Check if the speedometer indicator range is within the standard values.

Caution

Do not operate the clutch suddenly. Do not increase/decrease speed rapidly while testing.

Standard values:

Standard indication mph	Allowable range mph
20	19 - 22
40	38 - 44
60	57 - 66
80	76 - 88
100	94 - 110

7. If not to the standard value, inspect for proper tire size. If not correct, replace tires with original size tires and retest. If correct, replace the speedometer. If still not to standard value, replace vehicle speed sensor.

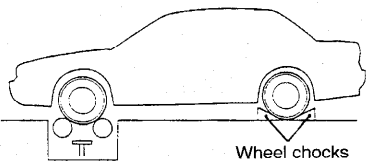
TACHOMETER CHECK

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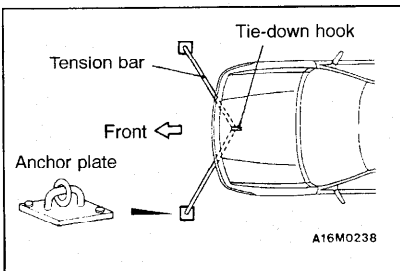
1. Insert a paper clip in the engine speed detection connector from the harness side, and attach an external high quality tachometer.

NOTE

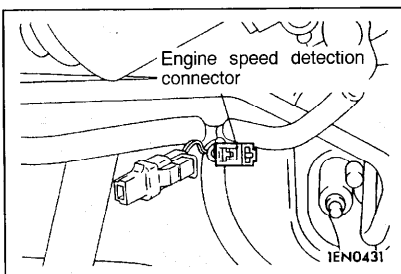
For tachometer check, use an external high quality inductive tachometer.



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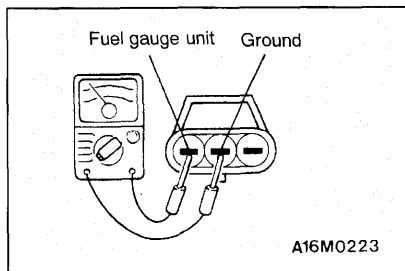
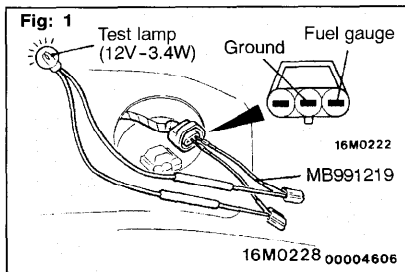
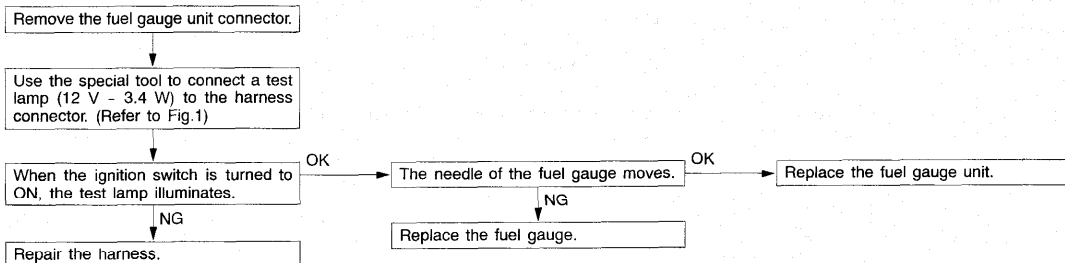


- Compare the readings of the vehicle tachometer and the external tachometer at every engine speed, and check if the variations are within the standard values.

Standard values:

700 r/min : ± 100 r/min
 3,000 r/min : ± 150 r/min
 5,000 r/min : ± 250 r/min
 6,000 r/min : ± 300 r/min

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FUEL GAUGE SIMPLE CHECK**FUEL GAUGE UNIT CHECK**

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Remove the fuel gauge unit from the fuel tank. (Refer to GROUP 13F.)

FUEL GAUGE UNIT RESISTANCE

- Check that the resistance value between the fuel gauge terminal and ground terminal is at standard value when fuel gauge unit float is at point F (highest) and point E (lowest).

Standard value:

Point F: 0.9 - 5.1 Ω

Point E: 102.3 - 117.7 Ω

- Check that resistance value changes smoothly when float moves slowly between point F (highest) and point E (lowest).
- If all checks are correct, proceed to fuel gauge unit float height check. If any check is not correct, replace the fuel gauge unit.