

locknut. If a new regulator is being fitted, it may require adjusting after checking as described in the next Section.

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### 53 Fuel pressure regulators – checking and adjustment

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- ➔ 1 Depressurise the fuel system as described in Section 48.
- ➔ 2 Disconnect the left-hand cold start injector supply pipe to the fuel rail and in its place connect a reliable pressure gauge.
- ➔ 3 Pull the negative LT lead from the ignition coil and switch the ignition on.
- ➔ 4 Earth terminal 85 of the fuel pump relay. The pressure gauge should indicate between 28.5 and 30.8 lbf/in<sup>2</sup> (2.0 and 2.2 kgf/cm<sup>2</sup>).
- ➔ 5 The pressure indicated on the gauge may fall slowly, this is normal, but a rapid drop will indicate a fault in the system.
- ➔ 6 On the XJ12 and Double Six models only, operate the fuel changeover switch on the dash centre panel. Check the gauge pressure reading again as described in paragraph 4.
- 7 If the readings have proved satisfactory then both regulators are in good condition and the gauge can be removed and the original connections re-made.
- 8 Where one or both readings are outside the pressure specified then continue with the following adjustment procedure.
- 9 Unbolt both pressure regulators from the induction manifolds.
- 10 Clamp the fuel pipe between the left-hand pressure regulator inlet and the fuel rail.
- 11 Reconnect the negative LT lead to the ignition coil and start the engine.
- 12 Release the locknuts on both pressure regulators.
- 13 Turn the adjuster screw on the right-hand regulator until the reading on the pressure gauge is within the specified limits.
- 14 Release the clamp on the fuel pipe and transfer it to the right-hand fuel pipe. Turn the left-hand regulator adjuster screw until the pressure is within the specified limits.
- 15 Release the fuel pipe clamp and check that the pressure gauge still reads within the specified limits.
- 16 Without moving the adjuster screws, tighten the locknuts.
- 17 Switch off the ignition and again depressurise the fuel system so that the pressure gauge can be removed and the original connections re-made.