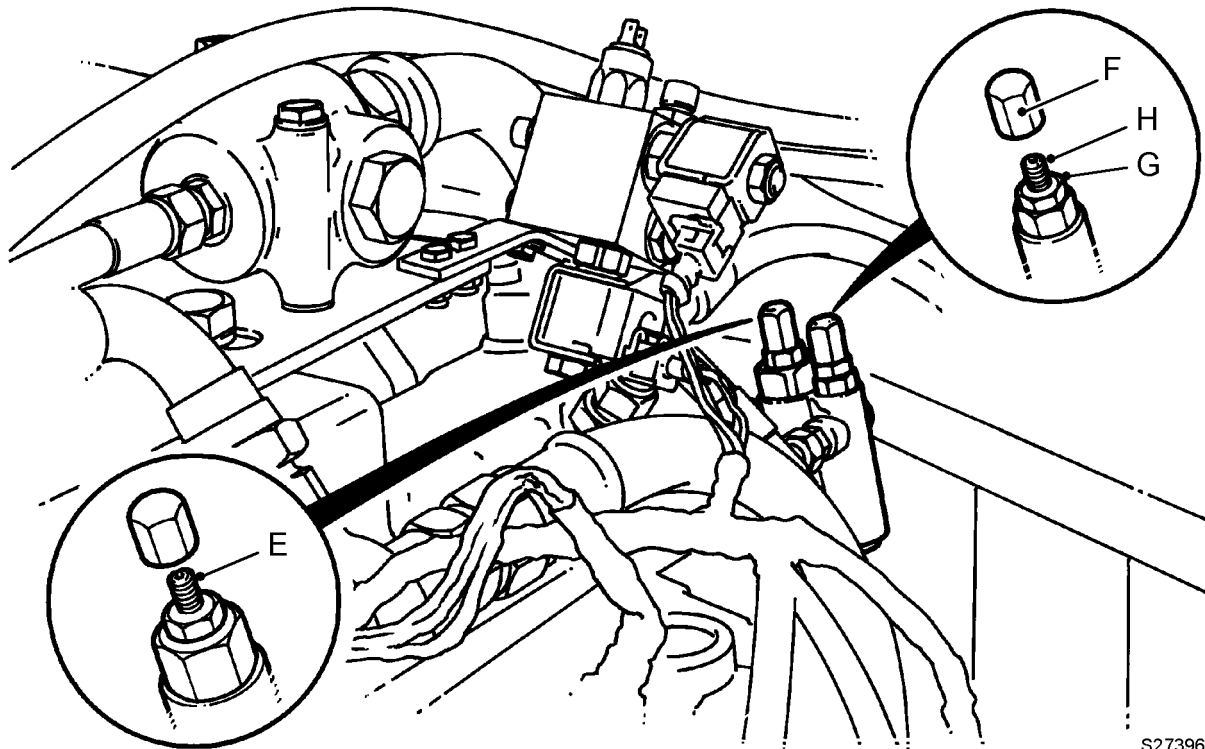


Pressure Testing (Dual Pumps Pre-Smoothshift)



S273960-V1

Fig 54.

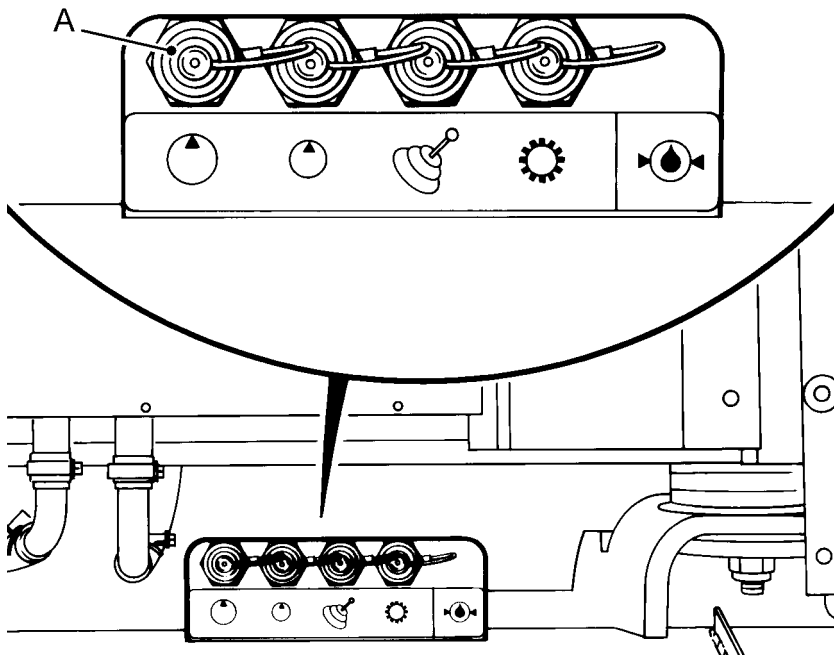


Fig 55.

Pump Pressure Testing

WARNING

Raised Equipment

Never walk or work under raised equipment unless it is supported by a mechanical device. Equipment which is supported only by a hydraulic device can drop and injure you if the hydraulic system fails or if the control is operated (even with the engine stopped).

Make sure that no-one goes near the machine while you install or remove the mechanical device.

13-2-3-7_3

WARNING

Make sure the articulation lock is in the transport position before you transport the machine. The articulation lock must also be in the transport position if you are carrying out daily checks or doing any maintenance work in the articulation danger zone.

If the articulation lock is not in the transport position you could be crushed between the two parts of the chassis.

4-3-5-7

WARNING

Hydraulic Pressure

Hydraulic fluid at system pressure can injure you. Before disconnecting or connecting hydraulic hoses or couplings, vent the pressure trapped in the hoses in accordance with the instructions given in this publication.

HYD-1-5

Standby Pressure

- 1 Connect Pressure Test Gauge Kit 892/00253 (see **Note**) to test point A. → [Fig 55.](#) ([□ E-90](#)).

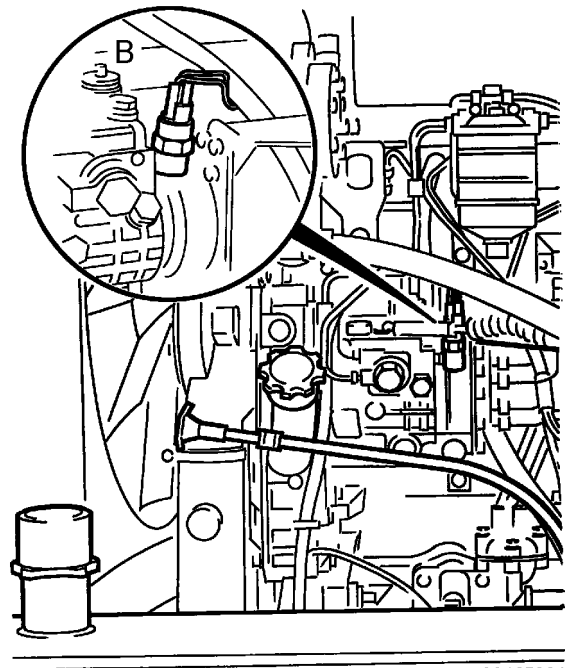
CAUTION

After checking the standby pressure, turn the starter key to HS to allow the engine rotation to stop. Do not turn the key to OFF while the engine is turning; otherwise the test gauge may be damaged.

HYD-3-3

- 2 Remove the ESOS connector B from the fuel injection pump. → [Fig 55.](#) ([□ E-90](#)).
- 3 Crank the engine with the starter key and check that the standby pressure is as stated in → [Loader Valve](#) ([□ E-1](#)). If necessary, adjust at E. → [Fig 54.](#) ([□ E-89](#)).

Note: System control pressure will only show with the ESOS disconnected. When the ESOS is reconnected, the pressure shown will be approximately 50 bar.



A216500-V1

Fig 56.

Checking Maximum Pressure

The maximum pressure can be checked by operating one of the auxiliary services since they do not employ ARVs.

- 1 Fit a 0-400 (6000 lbf/in²) bar pressure gauge at test connector **A**. → [Fig 55.](#) ([□ E-90](#)).
- 2 Start engine and allow to idle.
- 3 Operate an auxiliary service and observe the maximum system pressure registered on the gauge. If this figure does not comply with the figure stipulated in the → [Technical Data](#) ([□ E-1](#)) the pressure must be adjusted at the pump as follows:
 - a Remove acorn nut **F** using a 17 mm spanner. → [Fig 54.](#) ([□ E-89](#)).
 - b Release lock nut **G** using a 17 mm spanner.
 - c Using a 3 mm Allen key, adjust **H** until the appropriate pressure registers on the gauge.
 - d Tighten lock nut **G** ensuring pressure stays constant.
 - e Refit acorn nut **F**.