Oil Pressure – Check (engine hot) (21 113 0)

Special Tools

	21-140 Engine support bar
	21-140-01 Adaptor for 21-140
	21-140-02 Adaptor for 21-140

Workshop Equipment

Oil pressure gauge	GV 2134 Oil pressure gauge GV 2134
Adaptor	

Materials

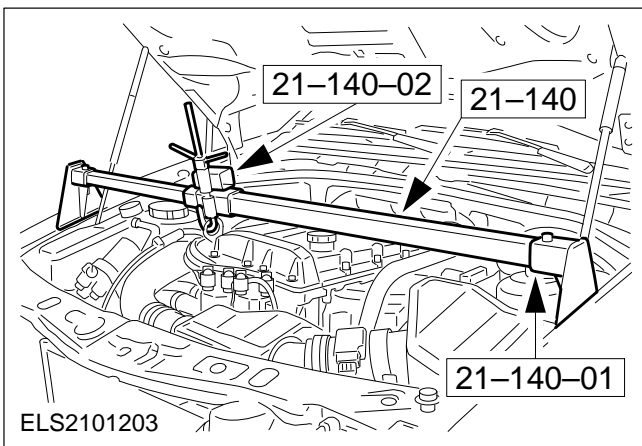| Cable ties	
Sealer for the oil pressure switch (Loctite 243)	WSK-M2G349-A7

Check

NOTE: The oil pressure depends on various factors (engine speed, oil temperature, oil viscosity, oil pump clearances etc.). The measurement should always be carried out at an oil temperature of 80˚C. The oil pressure should be 1,60 bar at idle (800 rev/min) and 3,10 bar at 2000 rev/min The maximum oil pressure must not exceed the figures published in the General Specifications (pressure relief valve opening pressure).
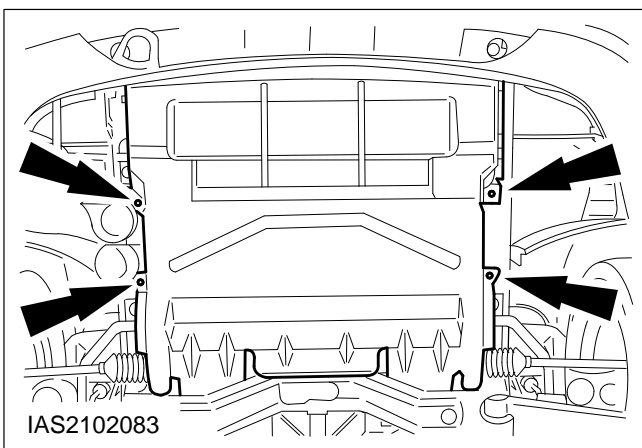
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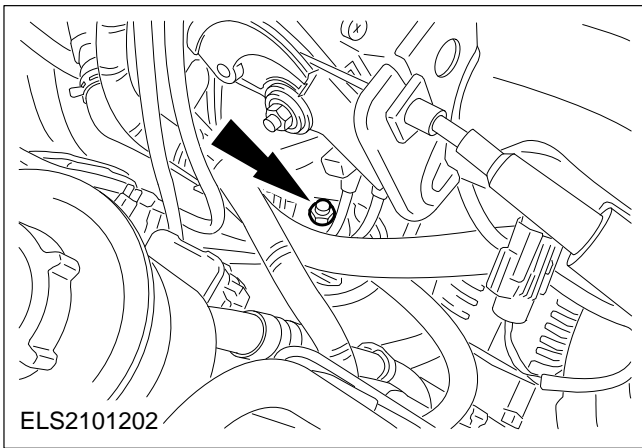
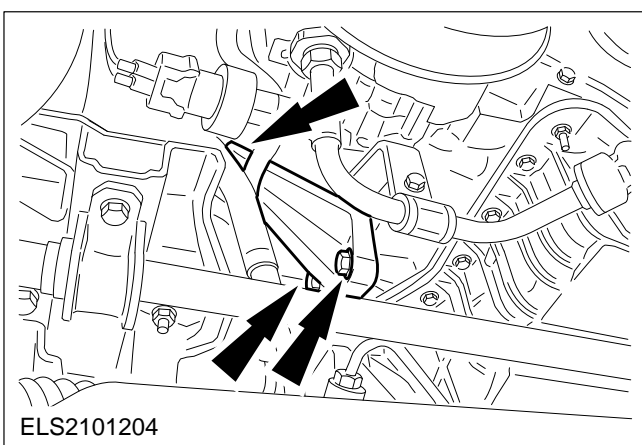1. **Remove the bolt on the right-hand engine mounting.**

21–140–02   21–140

21–140–01

ELS2101203

NOTE: Raise the engine until it hangs freely.

2. **Attach the engine support bar.**
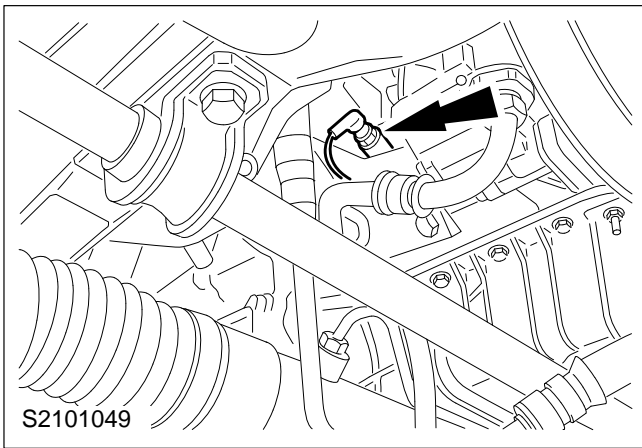
IAS2102083

3. **Raise the vehicle.**
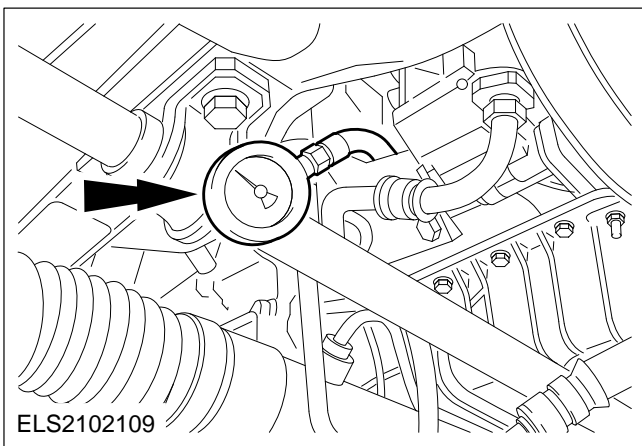4. **Detach the engine undershield.**

ELS2101204

5. **Remove the engine mounting (three bolts).**

   Remove the cable ties from the starter motor wiring loom.

S2101049

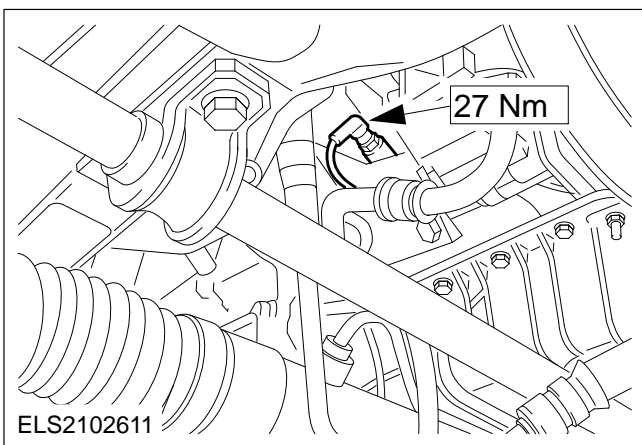**6. Disconnect the plug for the oil pressure switch and remove the oil pressure switch (shown from below).**

ELS2102109

7. Fit the oil pressure gauge in place of the oil pressure switch.

8. Lower the vehicle.

9. Check the oil pressure.

• Crank the engine.

• Measure the oil pressure at idle speed.

• Measure the oil pressure at 2000 rev/min.
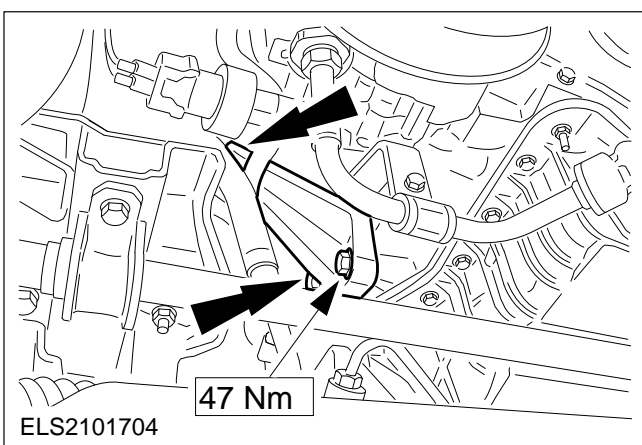
• Switch off the engine.

27 Nm
ELS2102611

10. Raise the vehicle.

11. Fit the oil pressure switch.
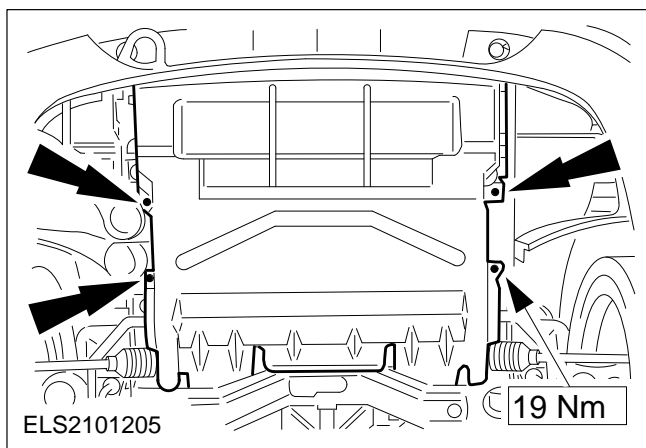
• Remove the oil pressure gauge.

NOTE: Apply sealer (WSK-M2G349-A7) to the thread of the oil pressure switch.

• Fit the oil pressure switch.
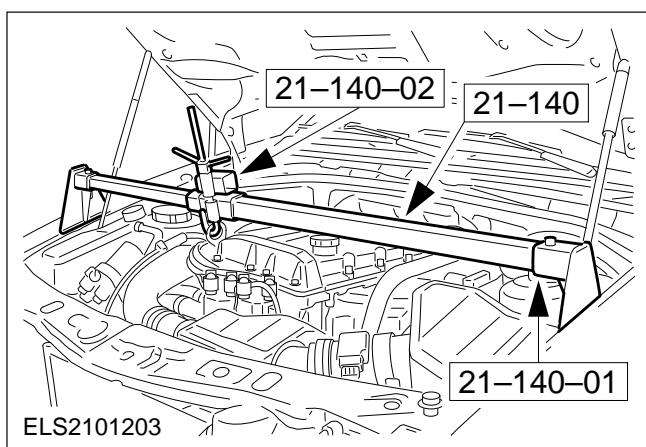
• Connect the oil pressure switch plug.

47 Nm
ELS2101704

12. Fit the engine mounting.
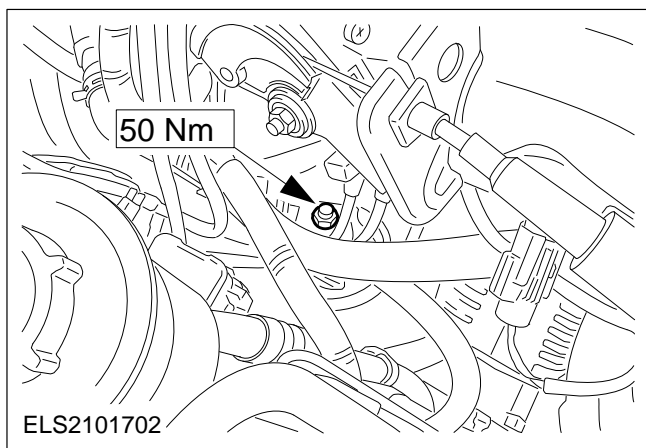
Secure the starter motor wiring loom with cable ties.

ELS2101205

19 Nm

13. **Attach the engine undershield.**

14. **Lower the vehicle.**

21–140–02   21–140

21–140–01

ELS2101203

15. **Remove the engine support bar and lower the engine.**

50 Nm

ELS2101702

16. **Fit and tighten the nut on the engine mounting.**