

ENGINE OIL PRESSURE SWITCH TEST

Reason:

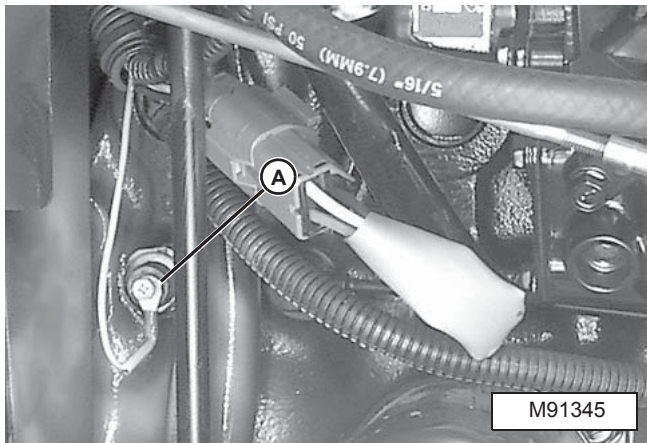
To determine if engine oil pressure switch is functioning properly, to warn operator that oil pressure has dropped below minimum operating pressure.

Equipment:

- Ohmmeter

Procedure:

1. Park machine on level surface.
2. Disengage PTO.
3. Turn key switch to OFF position.
4. Engage park brake.
5. Raise hood.
6. Remove right engine side cover.
7. Disconnect 347 Pur wire from oil pressure switch (A).
8. Connect black lead of ohmmeter to engine block and red lead of ohmmeter to terminal of switch.
9. Measure resistance between terminal and engine block.



Results:

- There should be continuity between terminal and ground.
- If there is NO continuity between terminal and ground; replace the oil pressure switch.

NOTE: Be sure to apply Pipe Sealant with TEFLON® to threads of switch anytime it is installed.

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10. Start and run engine.
11. Measure resistance between terminal and engine block.

Results:

There should be NO continuity between switch terminal and ground with the engine running.

- If the switch DOES have continuity to engine block (ground) with engine running, check engine oil pressure.
- If oil pressure meets specification; replace the oil pressure switch.

MANIFOLD HEATER TEST

Reason:

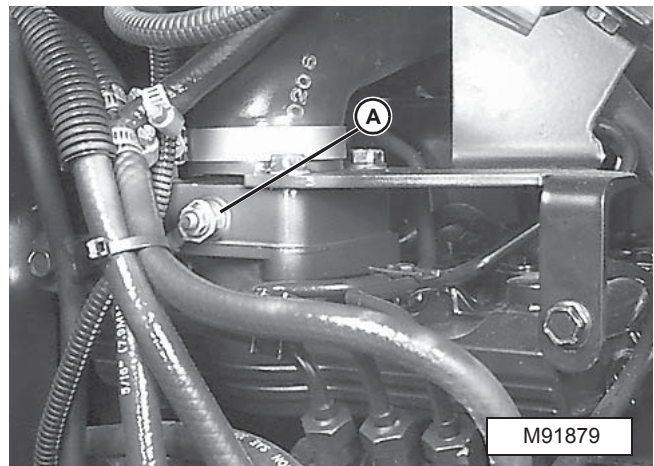
To test proper operation of manifold heater.

Equipment:

- Ohmmeter

Procedure:

1. Park machine on level surface.
2. Disengage PTO.
3. Turn key switch to OFF position.
4. Engage park brake.
5. Raise hood.
6. Remove right engine side cover.
7. Remove manifold heater lead from terminal (A).
8. Check continuity across terminal (A) and frame ground. The reading should be between **0.3 – 0.5 ohms**.



Results:

- If manifold heater does not have between **0.3 – 0.5 ohms** resistance, replace heater unit.