

# Maintenance Procedure

## No. P233

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TASK DESCRIPTION
CHECK OPERATION OF ALL HEP ENGINE SHUTDOWN PROTECTIVE DEVICES - FUEL RACK SOLENOID, OVERSPEED SYSTEM, CRANKCASE PRESSURE DEVICE AND LOW OIL PRESSURE DEVICE.
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS
Caterpillar Master Inspection Data Book
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS:
CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION:

### PROCEDURE

- 1 With engine running, use the speed switch to slowly raise the RPM. The overspeed should trip out at 2050 RPM.

**Warning: Do not exceed 2100 RPM.**

- 2 Restart engine and manually trip the low oil pressure switch. The engine should shut down.
- 3 Repeat step 2 with the fuel rack solenoid.
- 4 Restart engine. Operate manual shut down lever on side of fuel pump. The engine should shut down.
- 5 Check the fuel injector piping and clamp are secure and clear of manual shut down lever.

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