

Fig. 3: View Of Engine Block Coolant Drain Hole Plug
Courtesy of GENERAL MOTORS COMPANY

3. Remove the right side engine block coolant drain hole plug (146).

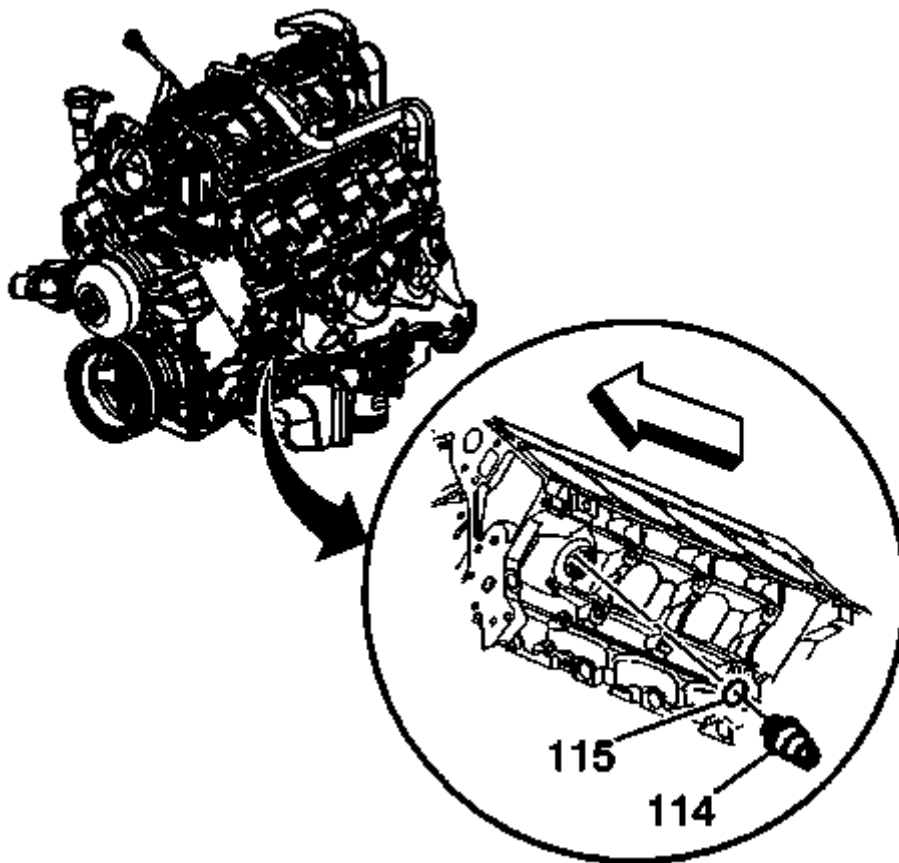


Fig. 4: View Of Engine Block Coolant Heater & Washer
Courtesy of GENERAL MOTORS COMPANY

4. Remove the left side engine block coolant heater (114) and washer (115).

CRANKSHAFT BALANCER REMOVAL

Special Tools

- **J 41816-A** Crankshaft Balancer Remover
- **J 41816-2** Crankshaft End Protector
- **J 42386-A** Flywheel Holding Tool

For equivalent regional tools, refer to **Special Tools** .

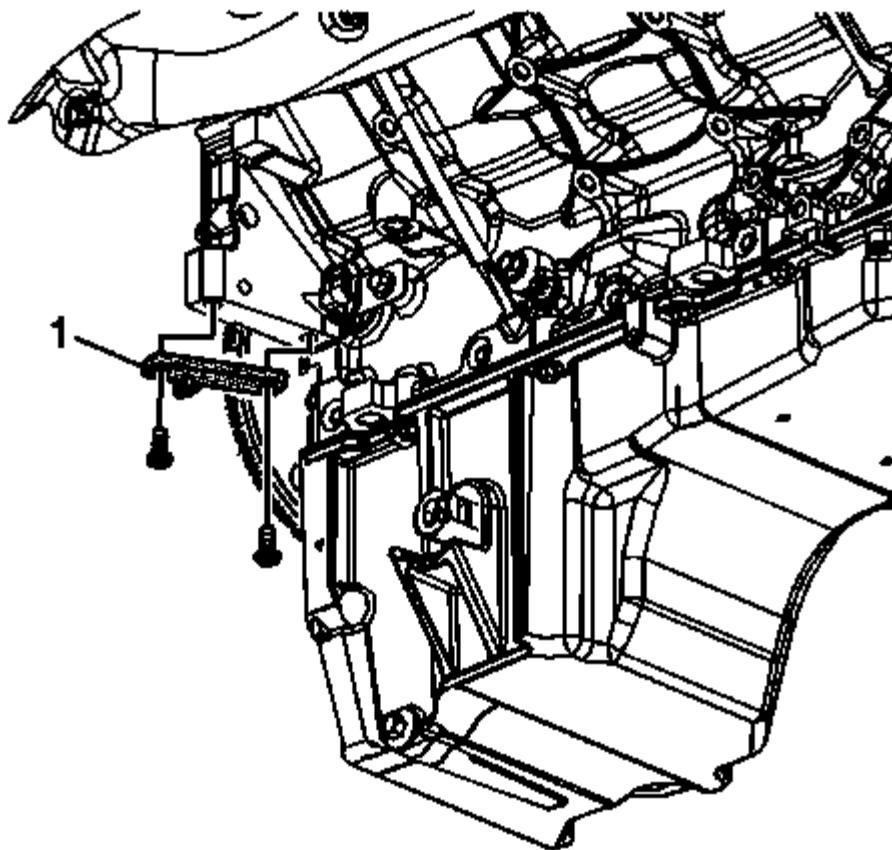


Fig. 5: View Of Special Tool & Bolts
Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to Fastener Caution .

NOTE: Do not use the crankshaft balancer bolt again. Install a **NEW** crankshaft balancer bolt during final assembly.

1. Install the **J 42386-A** tool (1) and bolts.

Use 1 M10 - 1.5 x 120 mm and 1 M10 - 1.5 x 45 mm bolt for proper tool operation and tighten the **J 42386-A** tool bolts to 50 N.m (37 lb ft).

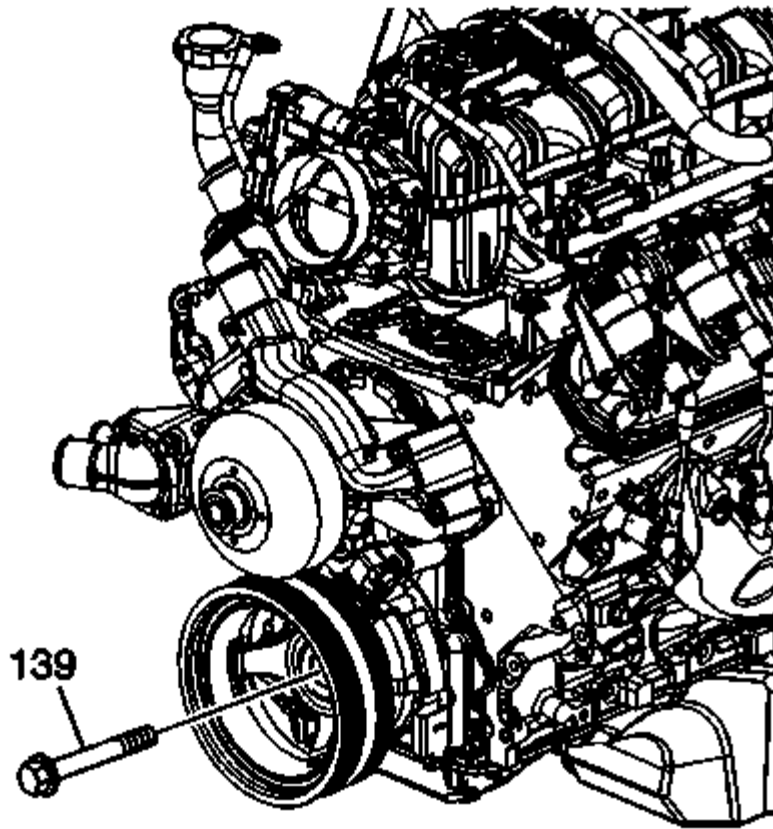


Fig. 6: View Of Crankshaft Balancer Bolt
Courtesy of GENERAL MOTORS COMPANY

2. Remove the crankshaft balancer bolt (139). Do not discard the crankshaft balancer bolt. The balancer bolt will be used during the balancer installation procedure.