

(1) 6V-8946 Reducer Assembly

(1) 6V-4157 Hydraulic Test Group

Note: Steps 1 through 17 are for testing the efficiency of the drive pumps. The steps should be performed on one side at a time for both FORWARD and REVERSE.

Note: In order to avoid overheating the oil, do not stall the transmission for long periods of time. Also, hotter oil causes more variation in efficiency.

NOTICE

Do not stall the implements during hydraulic system warm-up. Stalling the implements causes oil to flow across the relief valve. This can damage the vane-type hydraulic pump when the system is cold. Before you allow the implements to stall, wait until the hydraulic system reaches operating temperature.

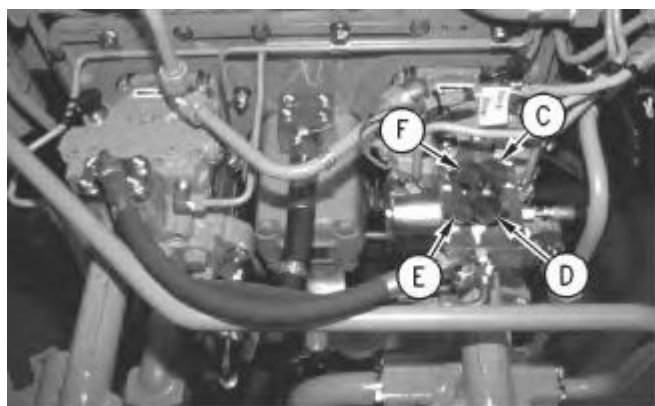


Illustration 10

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1. Install 60000 kPa (8700 psi) pressure gauges on the following taps.

- (C) Left FORWARD drive pressure
 - (D) Right FORWARD drive pressure
 - (E) Right REVERSE drive pressure
 - (F) Left REVERSE drive pressure
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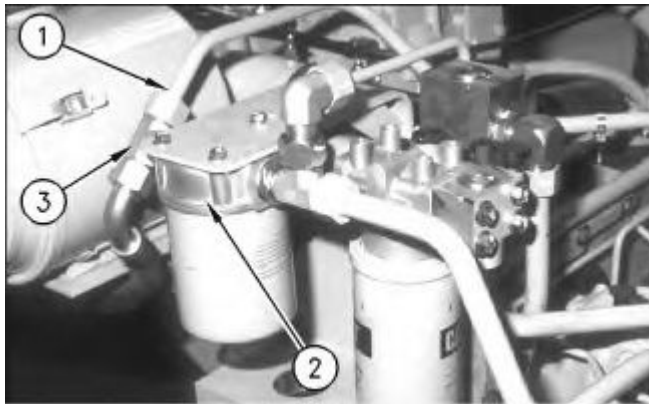


Illustration 11

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- (1) Pump case drain lines
- (2) Base for the case drain filter
- (3) Tee

2. Remove case drain line (1) from tee (3) at filter base (2) .

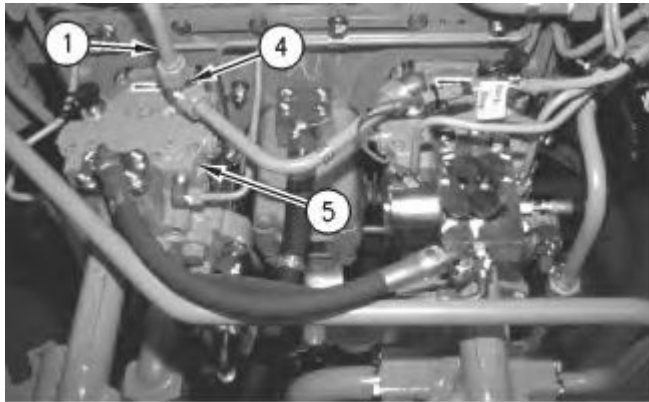


Illustration 12

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Drive pump (right side)

- (1) Pump case drain line
- (4) Drive pump tee
- (5) Drive pump (right side)

3. Remove pump case drain line (1) from tee (4) at right drive pump (5) .