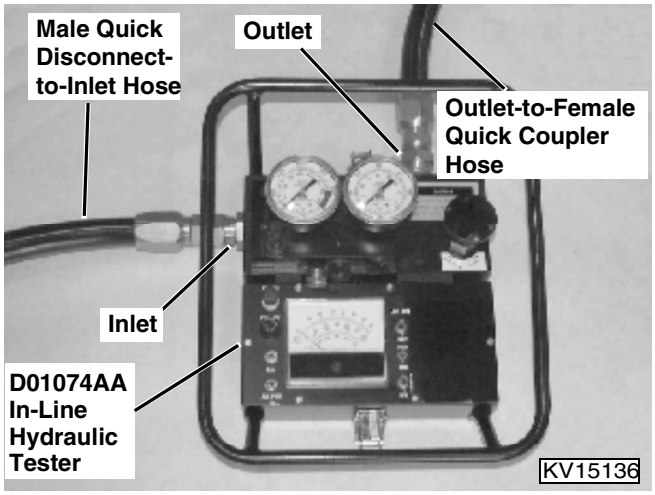
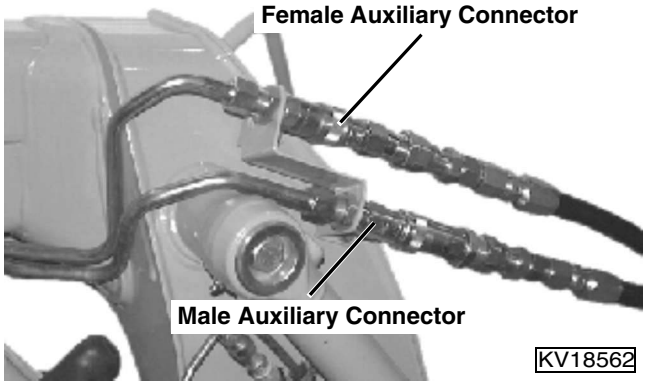


4. Connect JT03377 Hoses to D01074AA In-Line Hydraulic Tester.

IMPORTANT: Make sure skid steer male connector is routed to tester inlet.



5. Attach quick disconnects to auxiliary hydraulic connectors.
6. Operate hydraulic system until oil reaches normal operating temperature of 43°C (110°F).
7. Set engine speed to wide open throttle (WOT) position.
8. Actuate auxiliary hydraulic control lever or pedal into detent position.
9. Slowly turn load valve knob on hydraulic tester to the right (clockwise) until pressure relief valve releases. Read gauge on tester.

Specifications:

NOTE: Husco Equipped: Test meter reading will be approximately 1379 kPa (200 psi) higher than the relief valve pressure setting due to the inclusion of charge pressure.

Husco Equipped:
Single Speed Models . . . . . 21 374 ± 1034 kPa (3100 ± 150 psi)
2-Speed Models . . . . . 21 374 ± 1379 kPa (3100 ± 200 psi)
Sauer-Danfoss Equipped . . . . . 23 767—24 476 kPa (3450—3550 psi)

NOTE: Relief valve is factory set and not repairable. Replace relief valve if pressure readings are not within specifications.

Results:

If pressure is not within specifications, replace system relief valve.

HYDRAULIC/CHARGE PUMP PRESSURE TEST

Reason:

To ensure there is sufficient oil pressure to charge the hydrostatic systems and supply oil to the hydraulic system.

Equipment:

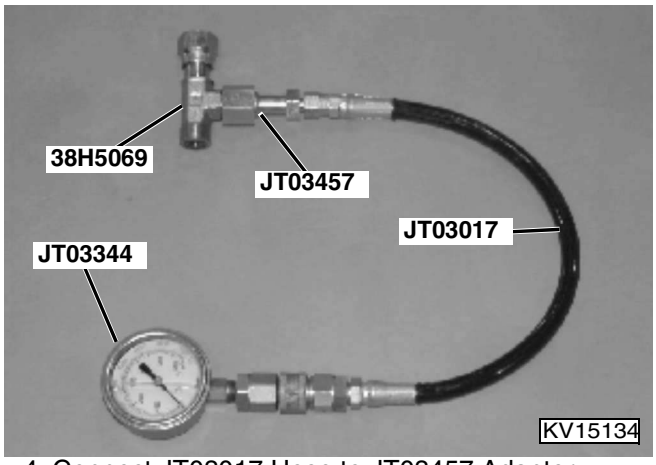
- JT03344 Gauge, 2068 kPa (300 psi)
- JT03017 Hose with Quick Coupler
- 38H5069 Tee Fitting (Parker #8 R6LO-S) 13/16-16 Female Swivel ORFS x 13/16-16 Male ORFS x 13/16-16 Male ORFS
- JT03457 Adapter (in Kit #JT05412)
- JT0KV12444 Remote Start Box

⚠ CAUTION

To help prevent injury from escaping hydraulic oil under pressure, relieve the pressure in the system before removing hydraulic lines.

Procedure:

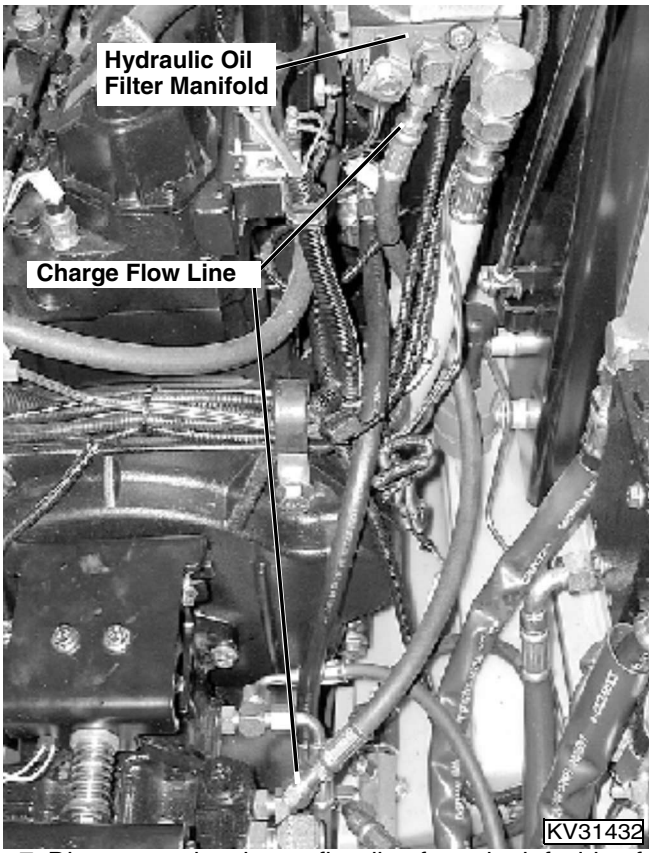
1. Raise and block skid steer. (See RAISING AND BLOCKING SKID STEER in the MISCELLANEOUS section.)
2. Raise boom fully and engage the boom lock. Stop engine and relieve hydraulic pressure.
3. Remove cover plates to access the hydrostatic pumps. (See COVER PLATE REMOVAL/ INSTALLATION in the MISCELLANEOUS section.)



4. Connect JT03017 Hose to JT03457 Adapter.
5. Attach JT03344 Gauge to quick coupler on hose.

NOTE: Make sure O-rings used between connections are in good condition to prevent leakage during test.

6. Connect 38H5069 Tee Fitting to adapter and tighten all connections.



7. Disconnect the charge flow line from the left side of hydrostatic pump center manifold.

8. Connect 38H5069 Tee Fitting to center manifold fitting and attach charge flow line to opposite end of tee fitting

⚠ CAUTION

Avoid possible injury from moving tires when using remote start box. Keep tire area clear of bystanders. Do NOT use remote start box without raising and blocking skid steer.

9. Install remote start box. (See USING REMOTE START BOX in the MISCELLANEOUS section.)
10. Use remote start box to start engine.
11. Operate hydraulic controls until oil reaches normal operating temperature of 43°C (110°F).
12. Set throttle to wide open throttle (WOT).

Specifications:

Single Speed Models:
S.N. —KV0260A361066 and
S.N. —KV0270A370520
. . . . . 1379—1551 kPa (200—225 psi)
S.N. KV0260A361066— and
S.N. KV0270A370520—
. . . . . 1928—2208 kPa (300—340 psi)
2-Speed Models . . . 1928—2208 kPa (300—340 psi)

Results:

1. If charge pressure does not meet specifications, test pump flow.
2. If pump flow meets specifications, replace complete hydraulic oil filter manifold.
3. If pump flow does not meet specifications, replace or rebuild hydraulic/charge pump.

HYDRAULIC/CHARGE PUMP FLOW TEST

Reason:

To ensure that the hydraulic/charge pump is delivering sufficient oil flow to operate the hydraulic system properly.

Equipment:

- D01074AA In-Line Hydraulic Tester
- KV13885 Quick Coupler, Male
- KV13884 Quick Coupler, Female
- JT03377 Hose, 2 required
- JT03012 Connector, 2 required
- JT05690 Connector, 2 required