



Service Advisory

CHORE PERFORMERS

W-156

Models Affected: 24BF510B090, 24BF510B790, 24BF510E290, 24BF570F290, 24BF570L090, 24BF570L790.

Serial Number Range Affected: 2007 Model Year Production built Prior to 9/27/2007 (Date Code "...I267...")

Date: 11/14/2007

Subject: Fitting and Hose Leaks

ACTION REQUIRED: This repair is to be considered a **Fix-As-Fail** repair

SYMPTOM(S): Hydraulic oil dripping from tank suction/pump input hose, tank's output filter fitting and/or pump.

CORRECTIVE ACTION:



WARNING - Hydraulic log splitters develop high fluid pressures during operation. Fluid escaping through a pin hole opening can penetrate your skin and cause blood poisoning, gangrene, or death. Give attention to the following instructions at all times:

- Do not** check for leaks with your hand.
- Do not** operate machine with frayed, kinked, cracked, or damaged hoses, fittings, or tubing.
- Stop** the engine and relieve hydraulic system pressure before changing or adjusting fittings, hoses, tubing, or other system components
- Do not** adjust the pressure settings of the pump or control valve.

Leaks can be detected by passing cardboard or wood, while wearing protective gloves and safety glasses, over the suspected area. Look for discoloration of the cardboard or wood.

1. Place log splitter on a flat and level surface. Do not start unit.

2. Do not wipe the oil off of the leaking area. Inspect the hose coming from the tank output filter to the hydraulic pump input port to locate the source of the leak.

3. If the source(s) cannot be determined due to oil in several areas, wipe the hoses, fittings and pump of oil. Allow unit to sit and locate area that starts to show a leak.

For leaking at the tank output filter:

4. Refer to Figures 1 and 2. Loosen hose clamp (A) only slightly so that the brass filter fitting (B), when loosened, will rotate inside the hose. DO NOT remove the hose from the filter fitting or fluid will drain from tank.

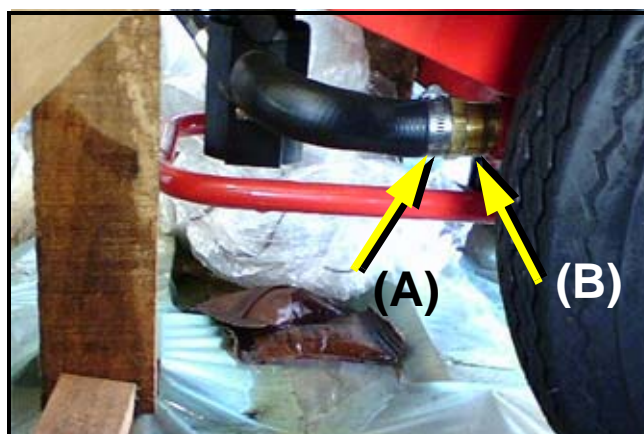


FIGURE 1

5. Using a 1 3/8" open end or adjustable wrench, loosen the brass filter fitting (B) and back out three (3) complete revolutions. Be careful not to remove completely or fluid will drain from tank.

6. Refer to Figure 2. Using teflon tape pipe sealant, firmly wrap the exposed threads on the brass filter fitting with 2-3 full wraps being careful not to over-stretch or tear the teflon tape.

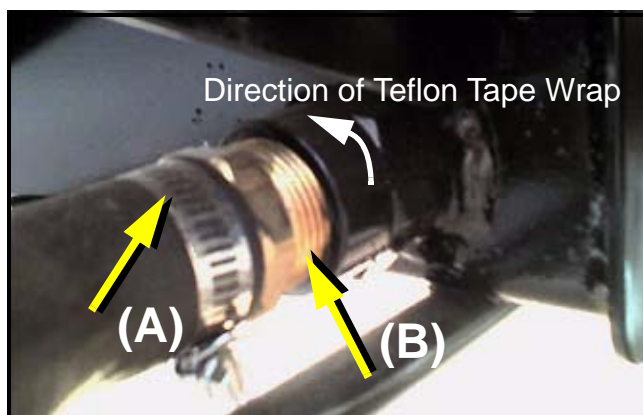


FIGURE 2

7. Re-tighten the brass filter fitting (B).

8. Re-tighten hose clamp (A).

For Leaking at the pump:

9. Refer to Figure 3. Inspect location of leak(s). Ensure that the oil is coming from the pump and not from spilled engine oil or a leaking engine crankshaft seal.

10. If leaking is from the pump's 1" diameter input hose connection (C) or high pressure output hose fittings (D & E), tighten hose clamp and/or output hose fittings.

NOTE: The pump output port adapter fitting into the pump (D) is a SAE straight thread connection that uses an O-ring to create the seal.

NOTE: The high pressure hose connection (E) to the adapter fitting at the pump is an SAE flared tube style fitting.

Leak Test (Only if unit is NOT crated, store stock or floor sample):

12. Ensure engine has the required amount of oil and that there is ample hydraulic fluid in the reservoir.

13. Start log splitter engine and cycle cylinder to full extended and retracted position several times. Hold at fully extended position for no more than 5 seconds. Retract cylinder, and turn off engine.

14. With the engine off, cycle the control valve lever to the extend and retract positions several times to relieve system pressure.

15. When checking for leaks DO NOT use your hands. Use cardboard or wood as stated above. Repair as required.

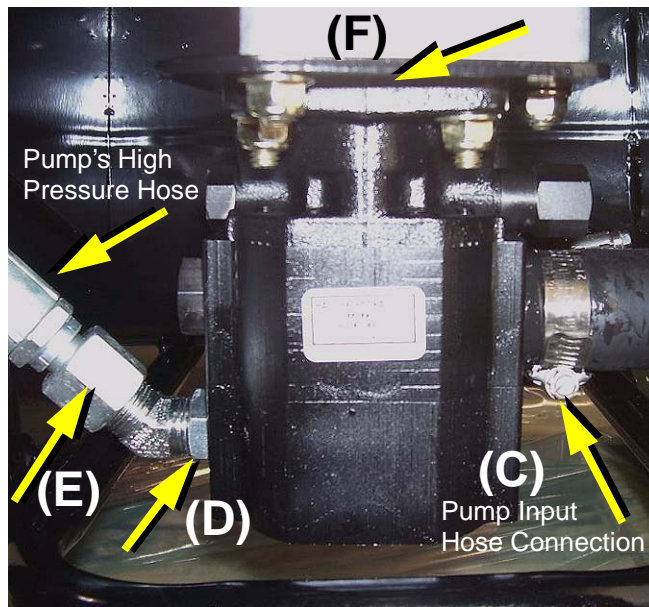


FIGURE 3

11. If leaking is NOT from the pump's input hose connection (C) or high pressure output adapter or hose fittings (D and E) but from the pump shaft (F), replace the pump.

Warranty: Normal warranty terms apply.

Filter Fitting was Leaking: Indicate Service Advisory **W-156** and **737-04093** as the original failed part on the claim. Repair time allowance is 0.3 Hrs. List model and serial number of the unit.

Hydraulic Pump was Leaking: Indicate Service Advisory **W-156** and **(Applicable Pump P/N)** as the original failed part on the claim. Repair time allowance is 1.1 Hrs. List model and serial number of the unit.

SERVICE MANAGER	PARTS MANAGER	SALES MANAGER	SERVICE TECH.	SERVICE TECH.

Circulate and Initial