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**PC-8-015**

**July 1, 1998**

**Revised (10-12)**

# DISCHARGE HOSE

**Models Affected:** *XHP900WCAT, XHP900AWCAT, XHP900SCAT*

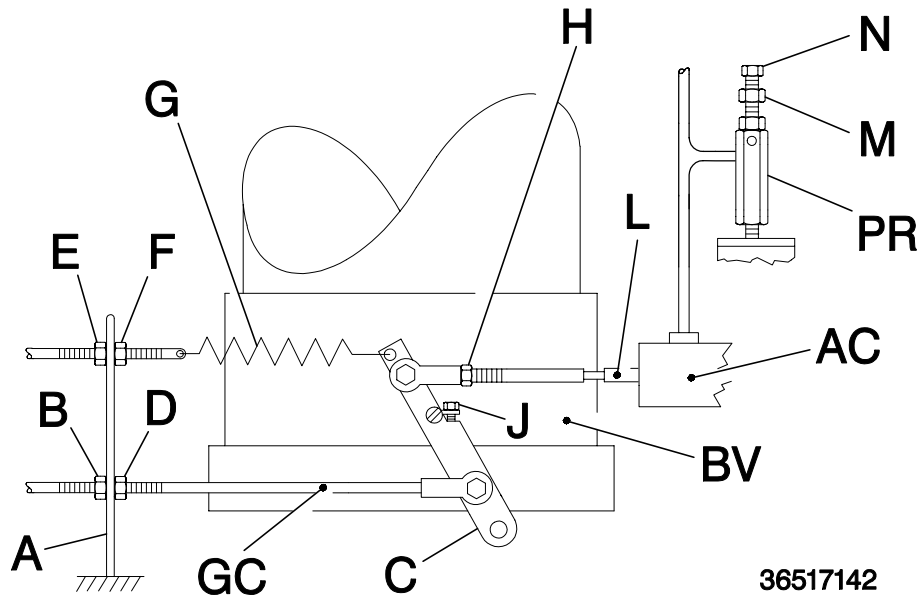
**Symptoms:** *Discharge hose leaks*

**Possible Cause:** *The anti-rumble valve operation prevents high air end discharge pulsations when the machine is at idle speed. If the anti-rumble valve does not operate, it will affect the discharge hose.*

**Remedy:** *Re-adjust regulation per the procedure (see back of this page) to assure adequate pilot pressure (min. 25 psi) to the anti-rumble valve. Decal has also been revised. New part number is 36534592.*

**Warranty:** *For information ONLY. This is NOT a campaign.*

# SPEED AND PRESSURE REGULATION



## Adjustment Instructions

The operating pressure of this unit was set at the factory to the maximum rating (at full speed). See General Data. However, this pressure may be reset down to 150 psi (1050 kPa).

Normally, regulation requires no adjusting; but if proper adjustment is lost, proceed as follows:

1. **WITH UNIT STOPPED**, disconnect rod end bearing on governor cable (GC) at engine governor lever.
2. At bracket (A) near butterfly valve (BV) run nut (B) back on governor cable housing. Push governor cable housing toward lever (C). Tighten nut (D).
3. Loosen nut (E) to relax spring (G).
4. Loosen nut (H). Turn rod (L) in Air Cylinder (AC) until approximately 3/4 inch (20 mm) between nut (H) and flats on rod (L).
5. Turn rod (L) One round into rod end bearing. Tighten nut (H). Rotate butterfly shaft/lever (C), open and close, several times to assure that linkage is not binding.
6. With engine governor lever in full speed position, reconnect rod end bearing.
7. Take slack out of spring (G) by moving nuts (E) and (F). Tighten nuts.

**XHP 900 Units ONLY:** Adjust spring so it is full stretched, and nut (F) is at far end of rod, closest to spring (G). Tighten nuts.

8. Start unit and allow to warm up for 3 to 5 minutes.
9. Push "Service Air" button on control panel.
10. With service air valve closed, adjust pressure regulator (PR) to rated pressure (\*) plus 10 psi (70 kPa) as follows:
11. Loosen locknut (M) counterclockwise;. Turn adjustment cap (N) clockwise to increase pressure, counterclockwise to decrease pressure.
12. Set no load speed (\*) by adjusting position of rod end bearing on governor cable at engine. Tighten lock nut.
13. Open service air valve and observe full load engine speed (\*). Adjust regulator to give rated operating pressure (\*). Tighten locknut (M).
14. Close and slowly open service air valve. If engine speed surges, increase tension on spring (G) by moving nuts (E) and (F). **XHP900 Units ONLY:** Should not be adjusted by moving nuts (E) and (F). See Step 7. If set speeds are not correct, repeat steps 12, 13 and 14 as required.
15. To regulate to any pressure between 150 psi (1050 kPa) and maximum rating (\*), make adjustments at the pressure regulator.