



Service
Bulletin

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2001-7

Subject: Purging Procedures . . . All Hydrostatic Walk and Riding Husqvarna Mowers.

Service Information: Air and air cavitation in the hydraulic system on hydrostatic drive mowers can have a very damaging effect on primary hydraulic components. If the unit is operated under load with trapped air in the hydraulic circuit, the hydraulic pump can be permanently damaged . . . *usually in less than 30 seconds!* Therefore it is critical that air be immediately and correctly eliminated from the hydraulic system. Air is introduced at service interval oil and filter changes, following the replacement of leaking hose/lines, and during repair for other system failures.

IMPORTANT: *In all cases, the hydraulic system MUST be correctly purged by the dealer following new product set-up, prior to placing the product into field service!*

Purging Procedures:

- Make sure the oil reservoir is full, approximately one inch (1") below the tank fill opening.
- Raise the rear of the unit, tires off the floor, and place it on two suitable jack stands.
- Open both bypass valves, one on each hydraulic pump, two full turns.
- From the operator's seat (riders), or thumb latches unlocked (walk units), start the engine.
- Slowly move the motion control lever(s) full forward and reverse 5 or 6 times.
(NOTE: The drive tires may rotate, but they'll not be under load)
- Shut off the engine, check and add oil as needed.
- Close the bypass valves on both hydraulic pumps. Do not over tighten.
- From the operator's seat (riders), or thumb latches unlocked (walk units), start the engine.
- Slowly move the motion control lever(s) full forward and reverse 5 or 6 times.
- Check tire rotation. Both drive wheels should be turning at the same speed.
(**CAUTION:** *The drive tires are now rotating under load. Do not touch or contact them*)

It may be necessary to repeat the above procedure until all air is purged from the system. If tracking concerns persist that cannot be adjusted through the linkages, further trouble shooting may be required to isolate the problem.

- Shut off the engine, check and add oil as needed. Lower the unit back to the floor. Start and check mower tracking operation.

Air in the hydraulic system may have one or all of the following symptoms. 1) Noisy operation that usually can be isolated to the hydraulic pump. 2) Lack of power, usually on one side, noticed when the unit will not track straight. 3) High oil temperature. 4) Expansion of oil, usually noticed by oil venting from the fill cap. 5) Bubbles or foamy oil in the hydraulic tank.

NOTE: *White or milky oil color indicates there is water in the system. If this condition is encountered, hydraulic oil should be changed immediately.*