

Jacobsen Product Information Bulletin

Product Type: Z FASTCAT PLUS ES

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December 1, 2004

Transaxle Maintenance

Product Information

ISSUE:

Recommended service intervals of the Hydro Gear transaxle.

CORRECTION:

Refer to the Operation, Safety and Maintenance Manual for service intervals / procedure, also refer to the following pages of this bulletin.

PARTS INVOLVED:

4134508 – Filter, transaxle

4132434 – Transaxle LH

4132435 – Transaxle RH

AFFECTED SERIAL NUMBERS:

Model Numbers: 742283, 742284 and 742285

Serial Numbers: All

WARRANTY:

This bulletin is for information purposes only. Warranty does not apply. If you have any questions please contact the Johnson Creek Product Support Team at 1-800-848-1636 option 2,2.

CustomerOne™ Product Support

This bulletin is relevant to the departments shown below. Please circulate as appropriate.

SERVICE

☒

WARRANTY

☒

SALES

☒

PARTS

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TRANSAXLES

⚠ WARNING

Inattention to proper safety, operation, or maintenance procedures could result in personal injury, or damage to the equipment. Jacobsen recommends returning the machine to your authorized Bob-Cat dealer for service or repair.

Perform transaxle maintenance with the engine off, spark plug wires disconnected and PTO disengaged.

TRANSAXLE FLUID CHANGE

Change the transaxle fluid every 200 hours of operation. It is essential that the exterior of the transaxle be free of debris, prior to fluid maintenance.

1. Remove drain plug **C** and drain the transaxle. Dispose of used oil in accordance with local requirements.
2. Clean and replace the drain plug. Torque drain plug to 15-20 ft-lbs. (20-27 Nm).
3. Remove and replace filter **D**. Torque filter to 2.3-5.7 ft-lbs. (2-6 Nm).

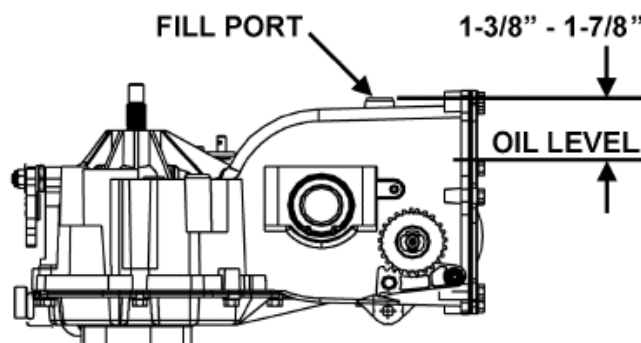
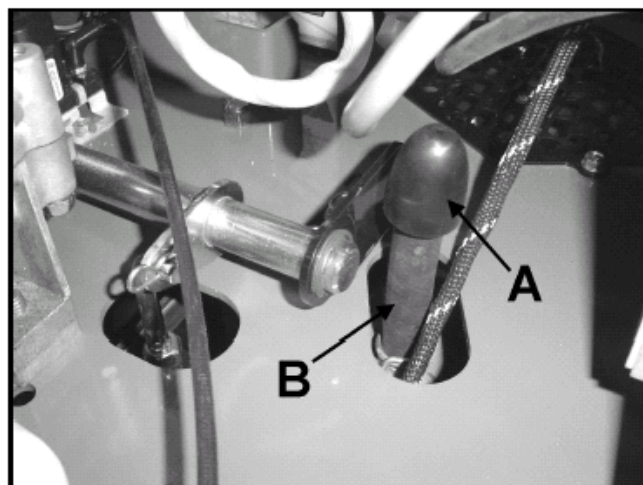
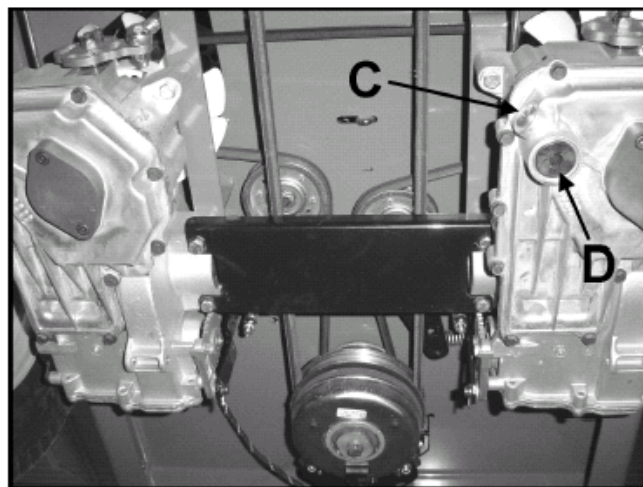
NOTE: Filter is plastic, excessive torque will damage filter.

4. Remove breather assembly **A**, fill the transaxle through breather hose **B** with 79 fl. oz. (2336 ml.) of SAE 20W-50 engine oil.
5. Repeat for other transaxle.

CAUTION

Do not overfill! If you overfill the transaxle while the unit is "cold", it may overflow as it reaches normal operating temperatures. The oil level should not be above the manufacturer's suggestions. This will allow the space needed for the oil to expand as it warms up.

6. Check the fluid level after operating the unit for approximately 1 minute.
7. Purge the transaxles, following the purging procedures.



PURGING TRANSAXLES

Due to the effects air has on efficiency in hydrostatic drive applications, it is critical that it be purged from the system.

These purge procedures should be implemented any time a hydrostatic system has been opened to facilitate maintenance or any additional fluid has been added to the system.

Purging may be required if the unit shows any of the following symptoms:

- Noisy operation.
- Lack of power or drive after short term use.
- High operation temperature, excessive oil expansion.

1. Check the transaxle fluid, fill to proper level, if required.
2. Raise the drive wheels off the ground. Support unit with jackstands or other suitable means.
3. With the bypass valves open, and the engine running, slowly move the control levers in both forward and reverse directions 5 to 6 times. As air is purged from the unit, the oil level will drop.
4. With the bypass valve closed, and the engine running, slowly move the control levers in both forward and reverse directions 5 to 6 times.
5. Stop engine. Check the transaxle fluid level, add fluid as required.
6. It may be necessary to repeat steps 3-5 until all the air is completely purged from the system. When the transaxle moves forward and reverse at normal speed, purging is complete.