

2. Drive system

7. Remove the plug (1) from the top of the gearcase. Discard the O-ring on the plug.
8. Remove the plug (2) from the bottom of the gearcase. Discard the O-ring on the plug.
9. Drain the lubricant from the gearcase. Correctly discard the lubricant.
10. Remove the hex washer head screws (3) and the nuts from the mounting channels (4).
11. Remove the channels from the gearcase.
12. Remove the screws and nuts (5).
13. Remove the bearing retainer screws (6).
14. Open the gearcase.

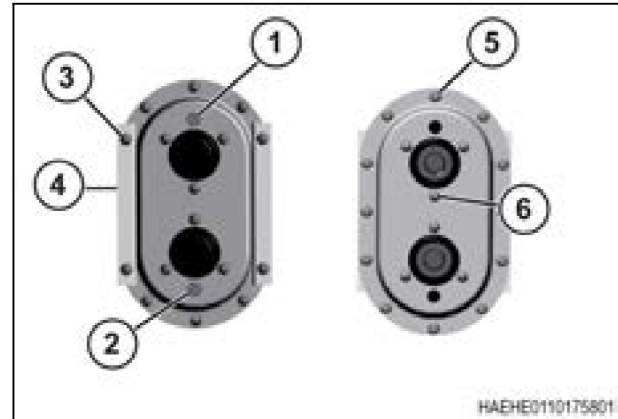


Fig. 150

NOTE:

Flange sealant seals the gearcase halves and the bearing retainers.

15. Remove the two shaft and gear assemblies (1) from the gearcase half (2).
16. Clean both gearcase halves and the bearing retainers (3) with cleaning solvent. Make sure to remove all the old sealant.

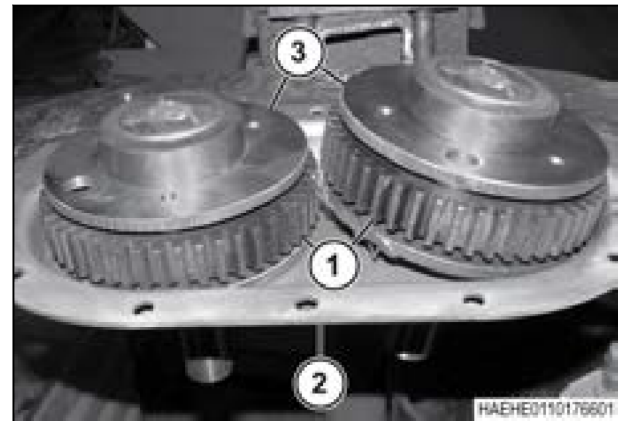


Fig. 151

17. Disassemble a shaft and gear assembly:

NOTE:

One shaft has a seal on both ends instead of one seal and one cap.

- a) Pull the bearing retainer (2) from the end of the shaft (6).
- b) Remove the oil seal (1) from the bearing retainer. Discard the oil seal.
- c) Remove the bearing retainer (8).
- d) Remove the cap (9) if necessary.
- e) Press the shaft from the bearing (3) and the spur gear (5).
- f) Remove the key (4).
- g) Press the shaft out of the other bearing (7).
- h) Discard both bearings.
- i) Disassemble the other shaft and gear assemblies.

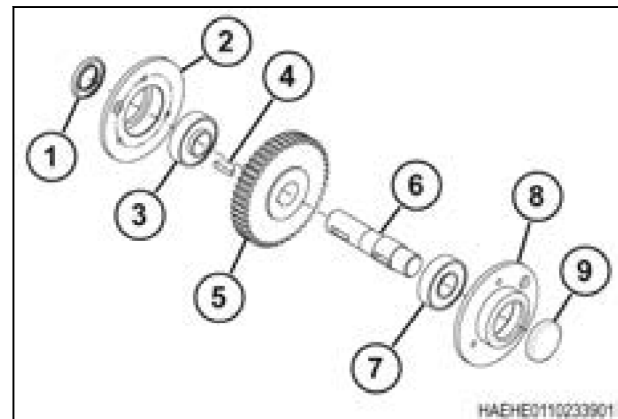


Fig. 152

2.14.4 Inspecting the hay conditioner gearcase - 4 m (16 ft)

Procedure

1. Check the teeth of the spur gear or broken or pitted teeth.

2. Check the bore and the keyway for the gear for wear, fretting corrosion, cracks or damage.
3. Check the shaft and keyways for wear, fretting corrosion, cracks or damage.
4. Check the keys for wear or damage.
5. Check the bearing retainers for wear, hot spots, or cracks.
6. Replace any parts necessary.

2.14.5 Assembling the hay conditioner gearcase - 4 m (13 ft)

Procedure

1. Assemble a shaft and gear assembly:

NOTE:

Two shafts have one seal and one cap. One shaft has a seal on both ends.

- a) Lightly lubricate the shaft (6) with clean oil.
- b) Press the shaft into a new bearing (7). Press the bearing until the bearing seats against the shoulder of the shaft.

IMPORTANT:

The lock collar ring of the bearing must be toward the spur gear (5).

- c) Install the key (4) for the spur gear into the shaft.
- d) Preheat the spur gear to 240 °C (464 °F)
- e) Press the shaft into the spur gear until the lock collar ring of the bearing contacts the gear hub.
- f) Press the second new bearing (3) onto the shaft until the lock collar ring contacts the hub of the gear.

IMPORTANT:

The lock collar ring of the bearing must be toward the spur gear.

- g) Press the oil seal (10) into the retainer (11). Continue until the oil seal is flush with the bottom of the bearing retainer bore.
- h) Fill the cavity in the oil seal with grease.
- i) Press the plug (12) into the bearing retainer (13). Make sure the edge of the plug is flush with the bottom of the bearing retainer bore.
- j) Install the bearing retainers onto the bearings. Make sure to not damage the seals.
- k) Assemble the other shafts.

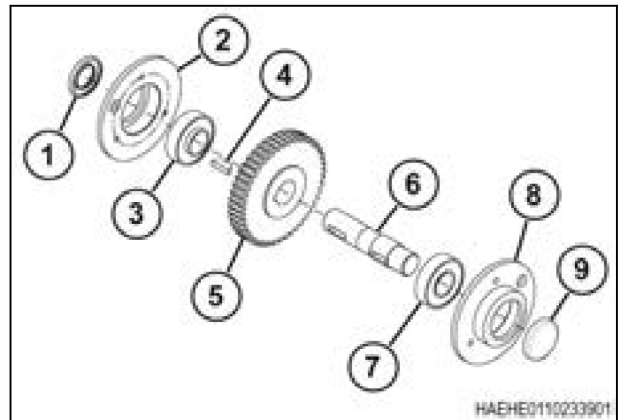


Fig. 153

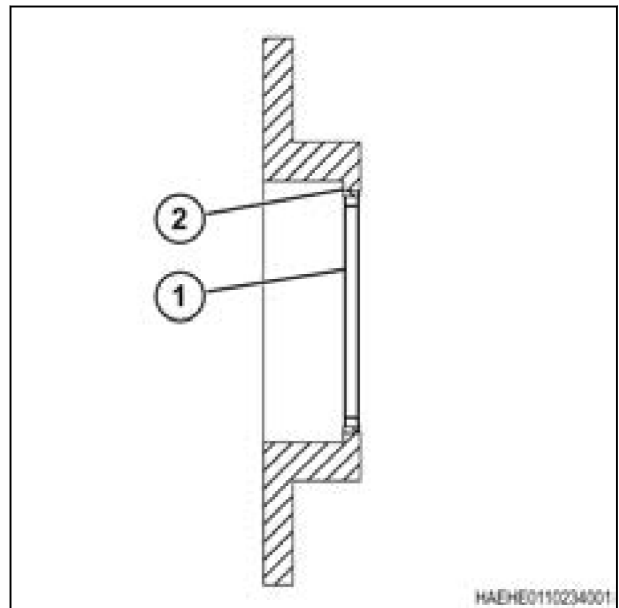


Fig. 154