REEL TINE BAR BEARINGS

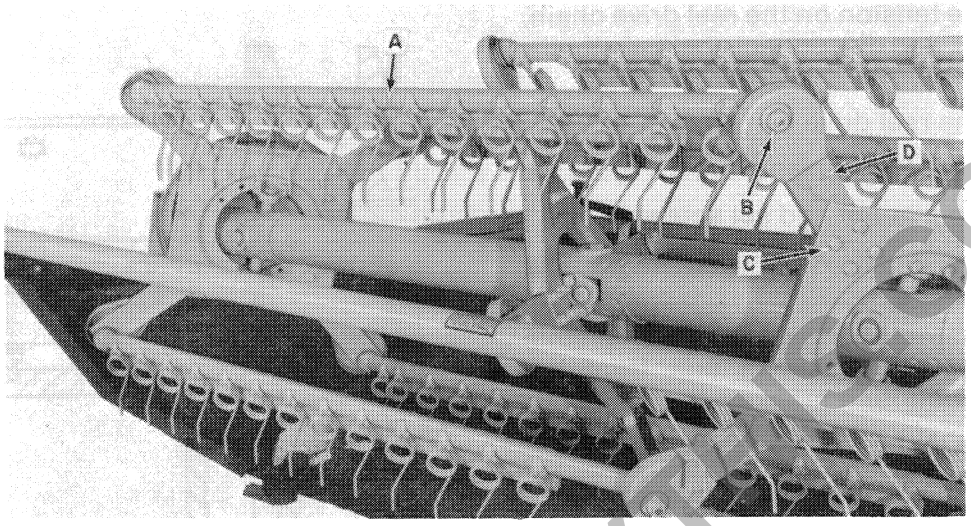


FIGURE 12

To replace a tine bar bearing, remove the complete tine bar assembly from the reel.

REMOVAL

1. Loosen the tine bar bearing nuts, B, Figure 12, at each end of the tine bar, A, about six turns. Use a 1⅛" box end wrench and a ⅜" allen wrench.
2. Remove four bolts, C, Figure 12, and pull the inner spider leg, D, out of the support.
3. Remove nuts, B, and remove tine bar assembly from machine and inner spider leg.

DISASSEMBLY

1. Remove the dust cap from the shoulder of the bearing.
2. Remove the snap ring, A, Figure 13.
3. A spacer shown at A, Figure 14, can be made to remove the bearing assembly from the tine bar. Use a spacer that measures 2" (5 mm) ID by 1⅝" (41 mm) long. Then install a flat washer over the spacer and install the tine bar bearing nut. Turn the nut to remove the bearing.
4. Clean all parts thoroughly. Dirt or grit will cause excessive bearing wear.



FIGURE 13

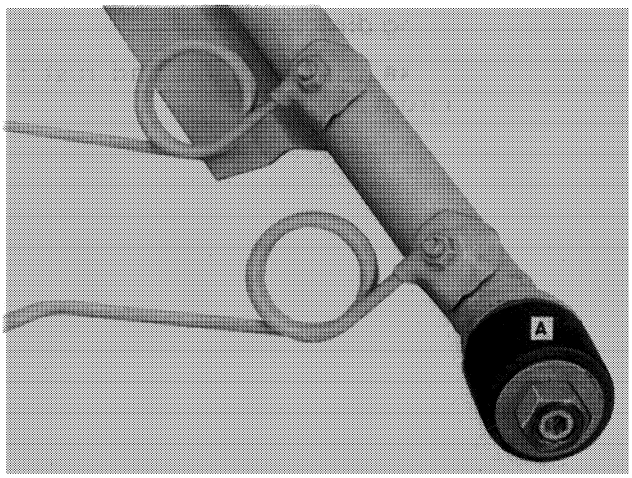


FIGURE 14

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

WOBBLE DRIVE

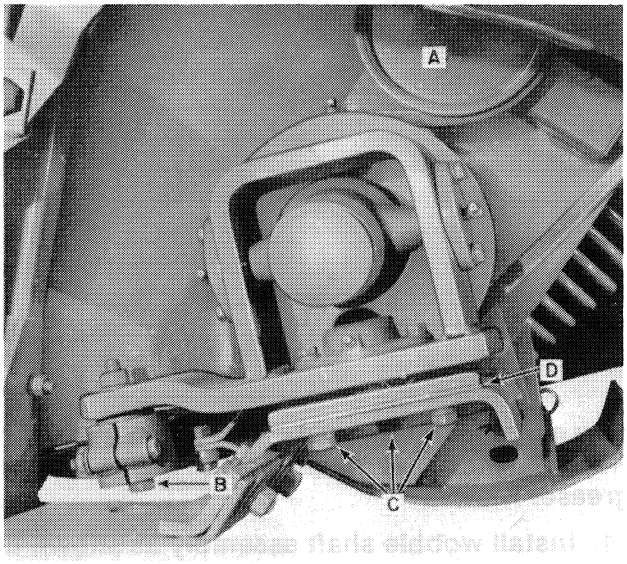


FIGURE 1

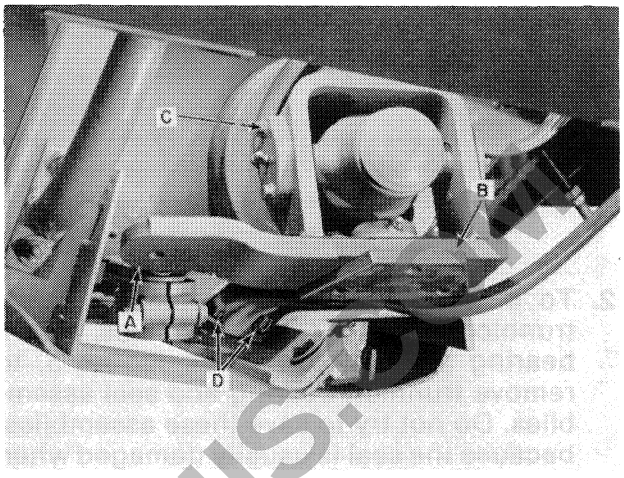


FIGURE 3

REMOVAL

1. Loosen the sickle drive belt idler at A, Figure 1.
2. Remove belt from drive sheave, A, Figure 2, and wobble sheave.
3. Remove the knife head bolt, B, Figure 1.
4. Remove bolts, C, and spacer, D, Figure 1.
5. Rotate the wobble sheave until wobble yoke, A, Figure 3, is in the highest position. Rotate steady rest support as shown and remove belt.
6. Remove bolts, C, and bolts, D, Figure 3. Then remove the complete wobble assembly from the mower-conditioner.

DISASSEMBLY

1. Remove the cap, cotter pin, and hex nut from the wobble hub, A, Figure 4. Install a bearing puller and remove complete wobble hub assembly from wobble shaft as a unit.

NOTE: If bearing puller being used will not fit inside yoke, B, Figure 4, puller can be placed on trunnion bearing caps at C, after grease fittings are removed.

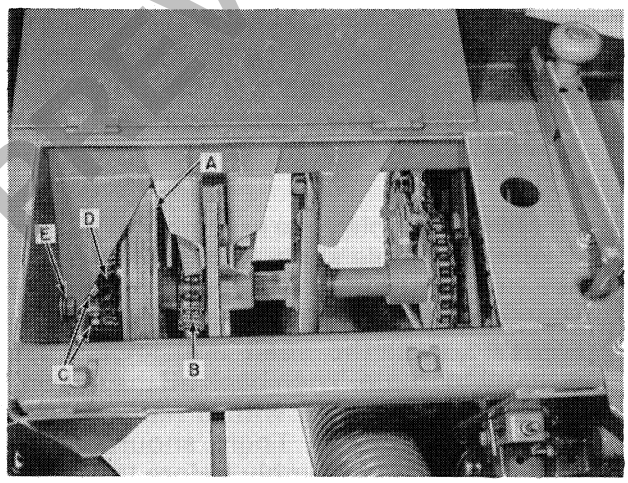


FIGURE 2

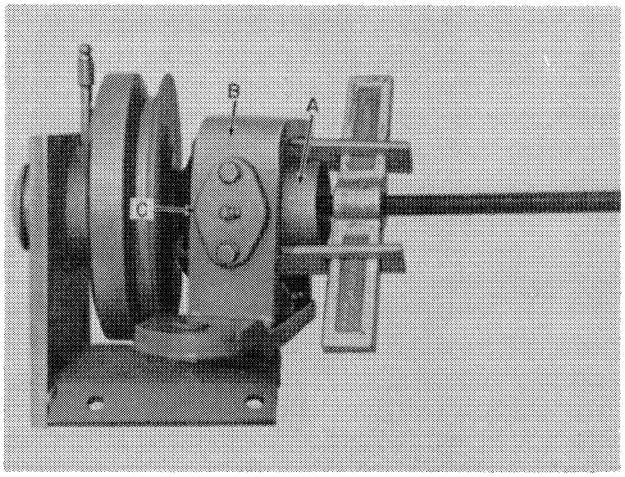


FIGURE 4

Download full manual at youfixthis.com

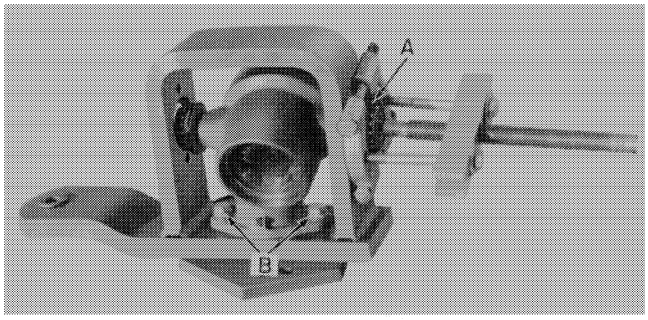


FIGURE 5

2. To disassemble yoke assembly, remove trunnion bearing caps and shims. Use a bearing puller shown at A, Figure 5, to remove trunnion bearing and seal assemblies. Do not try to save these assemblies, because the seal is usually damaged when removed.
3. Remove bolts, B, Figure 5, from steady rest bearing cap and gasket. Install two ½" cap screws at A, Figure 6, and turn bolts in against yoke to remove steady rest bearing and locking collar, B, Figure 6, as one assembly.
4. Remove the cap, cotter pin and hex nut from the wobble shaft at A, Figure 7. Use a bearing puller and push the wobble shaft and sheave assembly out of the support. Remove bearings, B, C, and D, Figure 7, from wobble shaft with a bearing puller. **NOTE: Do not remove sheave from wobble shaft. The sheave is pressed on the wobble shaft and has a woodruff key installed.**

ASSEMBLY

Inspect all parts and bearings carefully and replace if any wear is evident. Use adequate sleeves or spacers to install bearing cones, cups, and seals. If bearings are reused, be sure they are properly cleaned with a suitable solvent. Repack used or new bearings with wheel bearing grease.

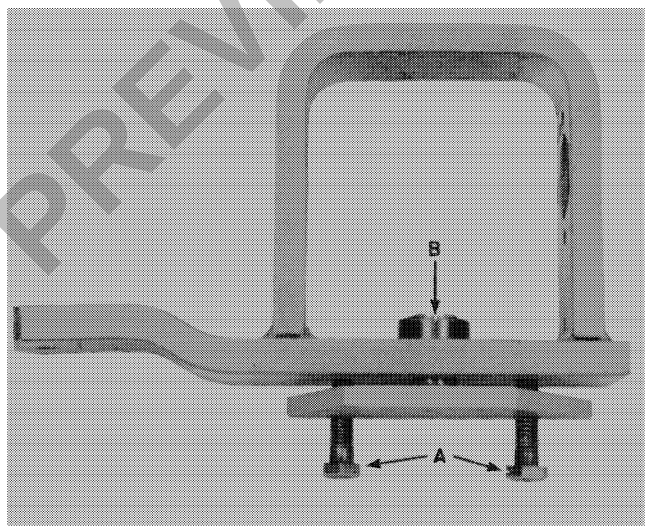


FIGURE 6

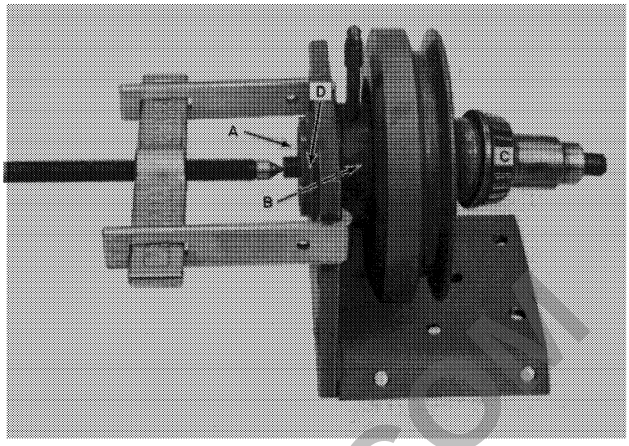


FIGURE 7

1. Install wobble shaft assembly as shown in Figure 7. Install washer and hex nut and tighten until bearings have a running fit of 6-10 in. lbs. (.68 to 1.13 N·m). These bearings have an interference fit and must be properly seated before the nut is tightened. Install cotter pin and cap.
2. Install steady rest support, Figure 6. If steady rest bearing was replaced do not install locking collar, B, at this time.
3. Install the wobble hub, Figure 5, in the wobble yoke. **NOTE: Make sure large part of hub is to the rear as shown.**

   Install trunnion bearing and seal assemblies. Install an equal amount of shims under both bearing caps. Make sure the bearing caps have the grease fittings pointed out as shown at A, Figure 8.

   Tighten bolts, B and C, Figure 8, evenly on both sides. Make sure the caps do not set up a binding load on the radius of the yoke. Add or subtract shims under the bearing cups until it takes 6-10 in. lbs. (.68-1.13 N·m) force to rotate the hub. The hub should not have any binding or end-play. Shim sizes are .003", .005", .007", and .020".
4. Install the wobble yoke assembly, A, Figure 4, on the wobble shaft. Install washer and hex nut and tighten nut while rotating the shaft and sheave. The hex nut should be adjusted until the shaft and sheave are difficult to rotate. Then back off the nut one flat. Tap the sheave with a hammer and check for end-play. There should be no end-play in the assembly before the cotter pin and cap are installed.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 3 of 20 pages

The full manual includes:

- All 20 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Sperry New Holland 495 Service Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual