PRECAUTIONARY STATEMENTS

PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements ("CAUTION", "WARNING", and "DANGER") followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.



CAUTION: THE WORD "CAUTION" IS USED WHERE A SAFE BEHAVIORAL PRACTICE ACCORDING TO OPERATING AND MAINTENANCE INSTRUCTIONS AND COMMON SAFETY PRACTICES WILL PROTECT THE OPERATOR AND OTHERS FROM ACCIDENT INVOLVEMENT.



WARNING: THE WORD "WARNING" DENOTES A POTENTIAL OR HIDDEN HAZARD WHICH HAS A POTENTIAL FOR SERIOUS INJURY. IT IS USED TO WARN OPERATORS AND OTHERS TO EXERCISE EVERY APPROPRIATE MEANS TO AVOID A SURPRISE INVOLVEMENT WITH MACHINERY.



DANGER: THE WORD "DANGER" DENOTES A FORBIDDEN PRACTICE IN CONNECTION WITH A SERIOUS HAZARD.

FAILURE TO FOLLOW THE "CAUTION", "WARNING", AND "DANGER" INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.

MACHINE SAFETY

Additional precautionary statements ("ATTENTION" and "IMPORTANT") are followed by specific instructions. These statements are intended for machine safety.

ATTENTION: The word "ATTENTION" is used to warn the operator of potential machine damage if a certain procedure is not followed.

IMPORTANT: The word "IMPORTANT" is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.

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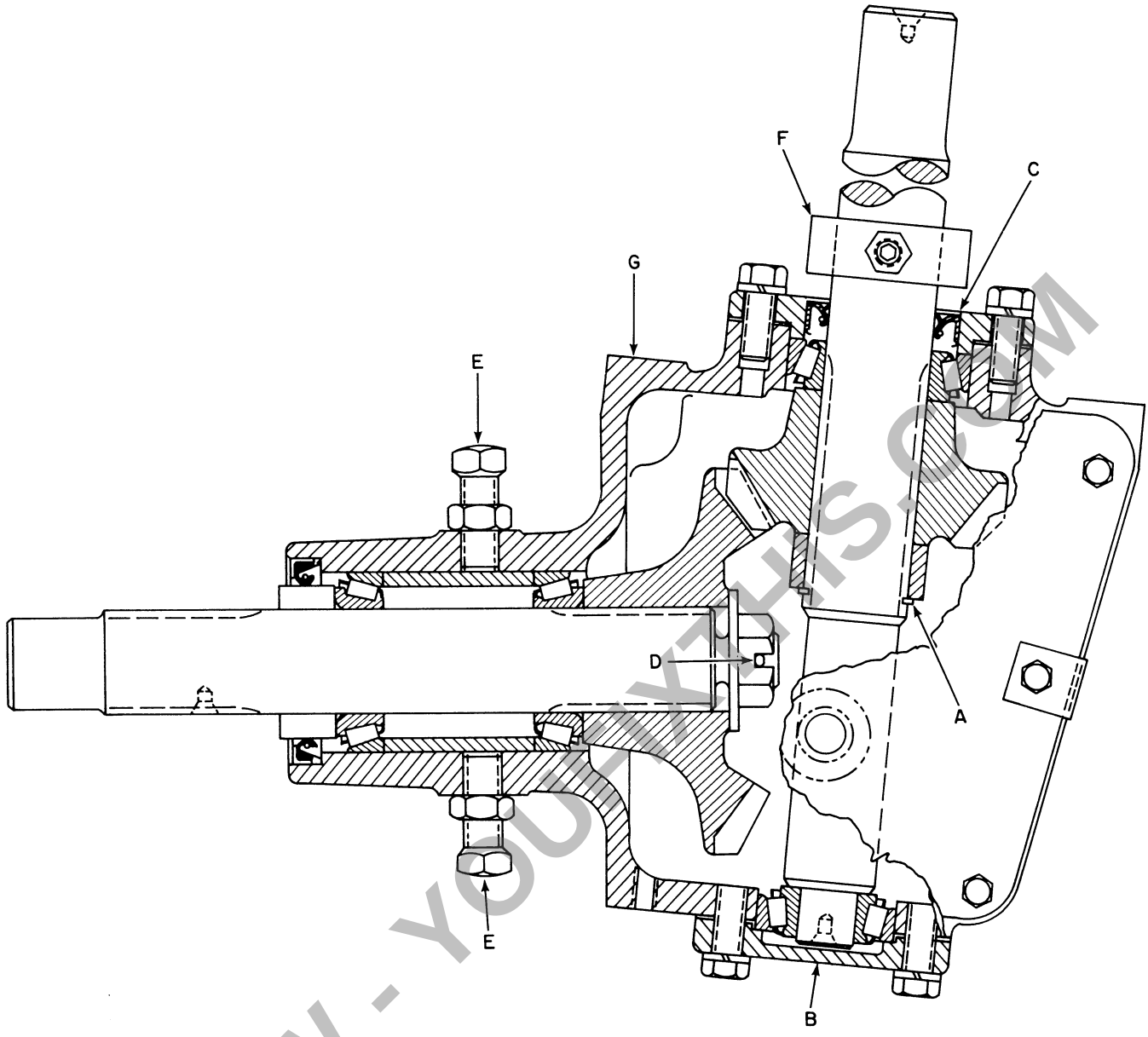


FIGURE 11

DISASSEMBLY

1. Remove the gearbox cover and drain all the oil.

   NOTE: 1000 RPM gearboxes have a metal tag attached to the cover.

2. Remove snap ring, A, Figure 11, from the output shaft. Remove bearing caps, B and C, Figure 11.
3. Slide the shaft out of the gearbox and remove the spacer and pinion gear. The bearing cups and cones can now be removed.
4. Remove cotter pin, D, Figure 11, nut and flat washer from the input shaft.
5. Loosen setscrews, E, Figure 11, and remove the shaft assembly. Remove the bearings and spacer.

NOTE: Clean all parts and carefully inspect all parts for wear or pitting. Replace parts as required.

ASSEMBLY

NOTE: Pack all bearings with general-purpose grease.

1. Install the bearings and spacer on the input shaft. Install the shaft in the gearbox and install the bevel gear, flat washer, and nut. Tighten the nut to obtain 5-10 in. lbs. (0.56-1.13 N·m) torque on the bearings and shaft assembly. Install cotter pin, D, Figure 11, and the oil seal. DO NOT TIGHTEN THE SETSCREWS.

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WOBBLE DRIVE

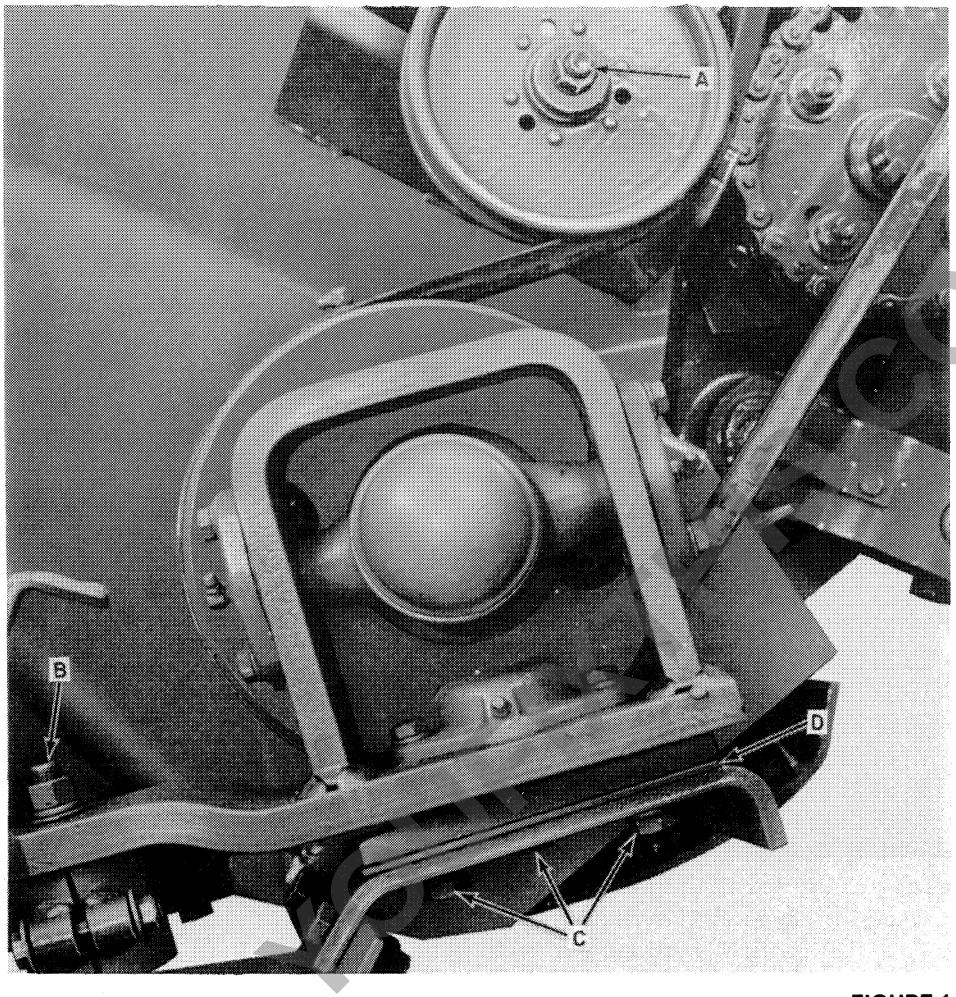


FIGURE 1

REMOVAL

1. Loosen the sickle drive belt idler at A, Figure 1.
2. Remove the belt from the drive sheave, under the hinged cover, and the wobble sheave.
3. Remove the knife head bolt, B, Figure 1.
4. Remove bolts, C, and spacer, D, Figure 1.

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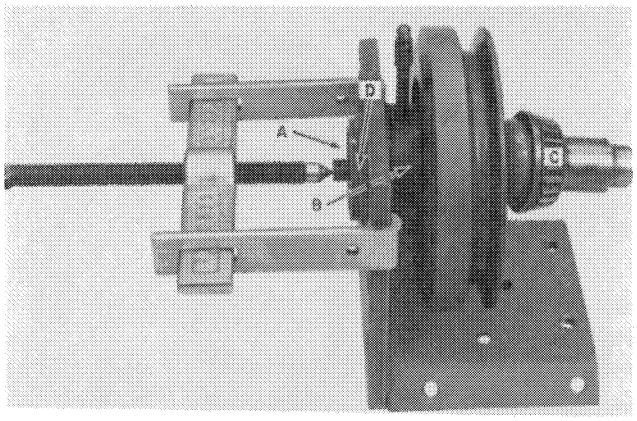


FIGURE 6

ASSEMBLY

Inspect all parts and bearings carefully and replace them 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.

1. Install the wobble shaft assembly shown in Figure 6. Install a washer and hex nut and tighten until the bearings have a running fit of 6-10 in. lbs. (0.68-1.13 N·m). These bearings have an interference fit and must be properly seated before the nut is tightened. Install the cotter pin and cap.
2. Install the steady rest support, Figure 5. If the steady rest bearing was replaced, do not install locking collar, B, at this time.
3. Install the wobble hub, Figure 4, in the wobble yoke.

   NOTE: Make sure the large part of the hub is to the rear.

   Install the 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 7.

   Tighten bolts, B and C, Figure 7, 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. (0.68-1.13 N·m) force to rotate the hub. The hub should not have any binding or end play. Shim sizes are 0.003", 0.005", 0.007", and 0.020".
4. Install the wobble yoke assembly, A, Figure 3, on the wobble shaft. Install the washer and hex nut and tighten the nut while rotating the shaft and sheave. Adjust the hex nut until the shaft and sheave are difficult to rotate. Then back the nut off one flat. Tap the sheave with a hammer and check for end play. There should be zero end play in the assembly before the cotter pin and cap are installed.
5. Install spacer, D, and two bolts, E, Figure 7, and tighten the bolts. If the steady rest bearing was replaced, locking collar, B, Figure 5, can now be installed and tightened. This procedure will insure that the bearing is not moved out of its original position. Install the gasket and bearing cap, F, Figure 7.

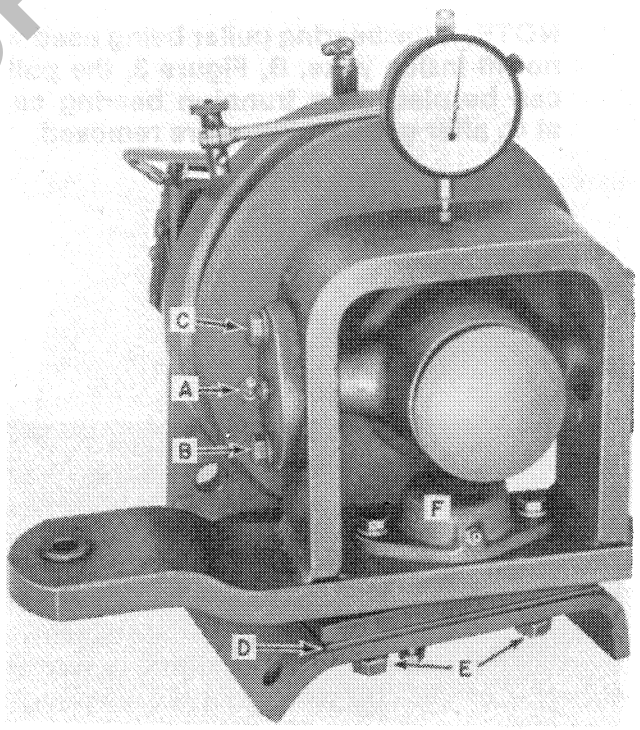


FIGURE 7

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