

January 1994

TOPIC: A-SECTION PUMP DRIVE BELT

MODELS

AFFECTED: H3020 3-WHEEL RIDER

serial no. 101-354

Ferris Industries has determined that the a-section pump drive belt may have a short life span. To rectify this potential problem, the belt and pulleys should be replaced with a b-section groove for improved life span. The following parts must be ordered.

Qty.	Part No.	Description	Qty.	Part No.	Description
1	20807	Extension Spring	2	44228	Pump Shim
1	21748	Belt	1	44320	Idler Arm
1	25011-10	Bolt, 5/16-18 x 1-1/4"	1	44342	Idler Pulley
1	25018-10	Bolt, 1/2-20 x 1-1/4"	1	50407-1	1/4" Sq. Key, 1" long
1	42132	Retaining Spacer	1	50407-5	1/4" Sq. Key, 1-1/4" long
1	42945	Shaft Spacer	1	25057	Nut, 5/16-18 Nylon Lock
1	43626	Dri-Loc Bolt	1	25139	Nut, 5/16-18 Serr. Flange
1	44227	Engine Pulley	1	25158	Washer, 1/2" Flat

Installation Instructions

1. Remove the mower deck assembly. (optional)
2. Release the spring tension and remove the idler arm, electric clutch, engine pulley and spacers (see illustration on page 2).
3. Loosen the pump mounting bolts and install the pump shims between the pump and mounting bracket. Keep the shims parallel with the mounting bracket and secure the bolts tightly (see illustration on page 2)
4. Clean the outside surface and internal threads of the crankshaft with a degreasing agent and allow to dry. Apply a thin coat of an anti-sieze compound to the outside of the crankshaft only. Do not apply to the internal threads.
5. Assemble the new components as shown in Figure 1. Note the direction of the hub on the engine pulley. Make sure the electric clutch is positioned in the clutch anchor with the wires towards the rear of the machine.
6. Install the dri-loc bolt and tighten with a 1/2" drive impact wrench. Plug in the electric clutch. Make sure the pump drive belt is properly seated in all pulleys. If not, belt damage will occur upon starting the engine.
7. Install the extension spring.
8. Start the engine, release the parking brake and adjust neutral if necessary.

One and one half (1-1/2) hours labor will be paid.



