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FORM NO. 3311-916

TORO®

MODEL NO. 30792

INSTALLATION INSTRUCTIONS

LEAF MULCHER ATTACHMENT

FOR GROUNDSMASTER 62® CUTTING UNIT MODEL 30562

Since this instruction sheet covers only a minimal amount of information necessary to maintain and operate your machine, we suggest that you keep this material with your Operator's Manual so that both may be referred to for instructions concerning safe operation and proper maintenance procedures.

REMOVE CUTTING UNIT FROM TRACTION UNIT

1. Position machine on level surface, raise cutting unit, engage parking brake, be sure traction pedal is in neutral position, PTO lever is in OFF position, shut engine off and remove key from switch.

CAUTION

Counterbalance springs are in tension when deck is in lowered position. Always raise deck before adjusting or removing springs.

2. Remove clevis pins from brackets to separate springs from brackets (Fig. 1).

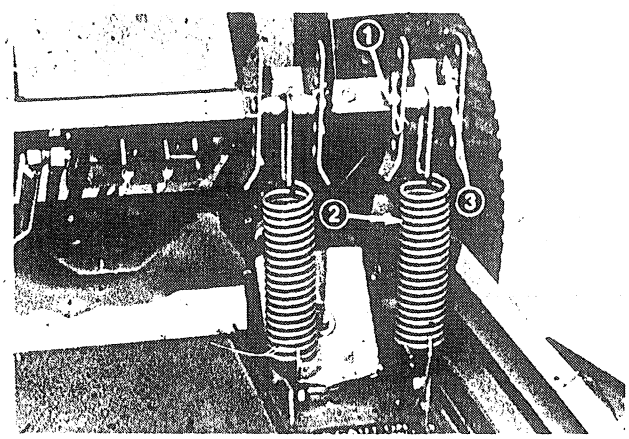

Figure 1

1. Clevis pin
2. Spring
3. Bracket

3. Lower cutting unit, remove pins from height of-cut brackets (4).

4. Start engine, raise cutting unit frame.

5. Stop engine and slide cutting unit away from traction unit and frame separating male and female section of PTO shaft (Fig. 2).

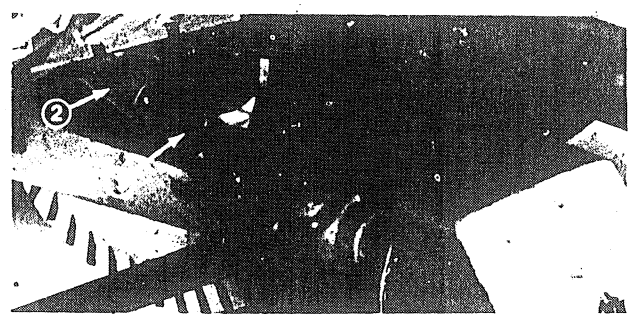

Figure 2

1. Male PTO shaft 2. Female PTO shaft

DANGER

Do not start the engine and engage the PTO lever when PTO shaft is not connected to gear box on cutting unit. If engine is started and PTO shaft is allowed to rotate, serious injury could result.

INSTALL MULCHER

1. Release and unhook latches securing center and left covers to top of cutting unit. Remove covers (Fig. 3).

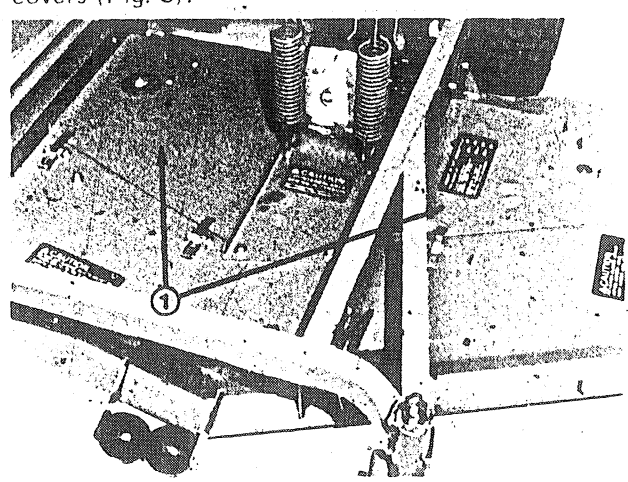

Figure 3

1. Covers

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2. Remove rear carriage bolt and flange nut securing rear of deflector to cutting unit (Fig. 4).

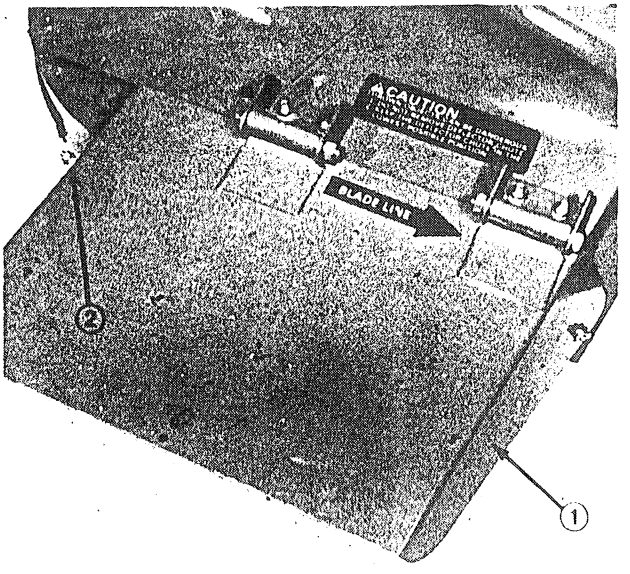

Figure 4

1. Grass deflector
2. Carriage bolt

3. Remove (2) capscrews and flange nuts plugging mounting holes in deck tunnel (Fig. 5). Retain all fasteners for further use.

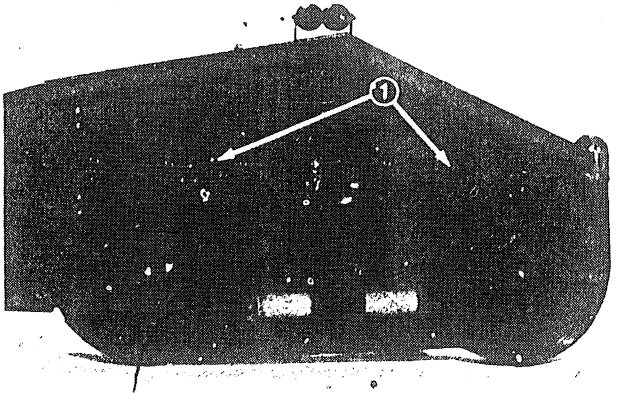

Figure 5

1. Capscrews and flangenuts

4. Turn cutting unit upside down and block up ends, to ease in the installation of the mulcher kit components.

5. Position mulcher screen on cutting unit and align with (2) mounting holes.

6. Secure mulcher screen to cutting unit with (2) 3/8 - 16 x 3/4" lg. capscrews as shown in Figure 6.

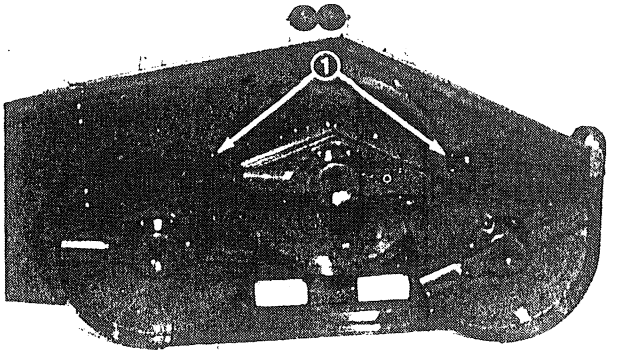

Figure 6

1. Mounting capscrews

7. Secure mulcher screen and rear of deflector to cutting unit with 5/16-18 x 1" lg. carriage bolt, supplied in kit, and flange nut, previously removed (Fig. 7).

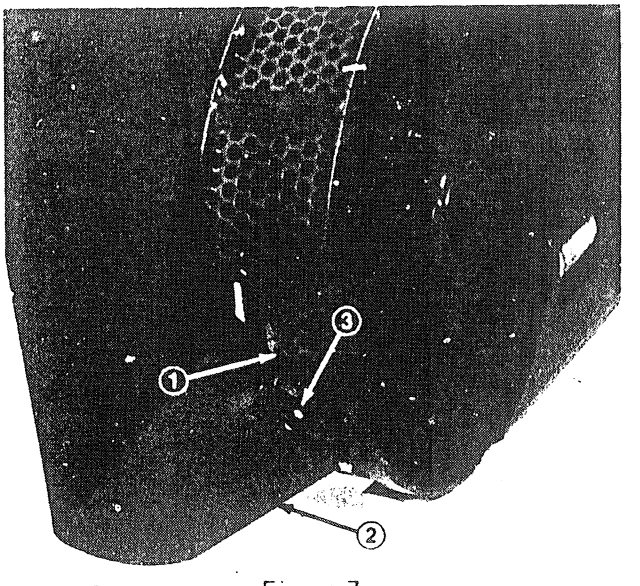

Figure 7

1. Mulcher screen
2. Deflector
3. Carriage bolt & flange nut

8. Rotate the cutter blades to assure there is enough clearance between blades and mulcher screen. There should be approximately 1" clearance.

9. Using mulcher screen as a template, mark remaining mounting hole locations in top and left side of cutting unit (Fig. 8).

10. Remove mulcher screen from cutting unit and drill (5) 13/32" (.406) dia. holes at positions marked.

11. Mount mulcher screen to cutting unit

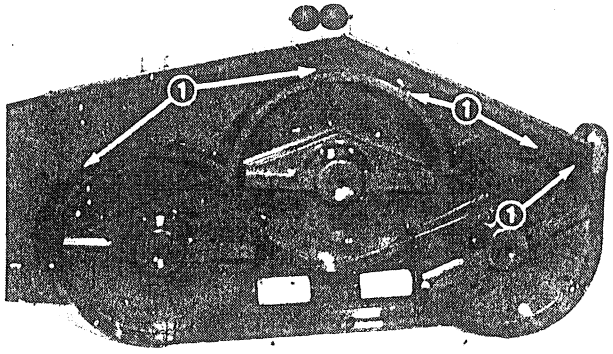

Figure 8

1. Mounting holes

with (6) 3/8-16 x 3/4" lg. capscrews and lockwashers.

12. Secure mulcher screen and rear side of deflector to cutting unit with 5/16-18 x 1" lg. carriage bolt and flange nut.

13. Secure mulcher screen to left side of cutting unit with 3/8-16 x 3/4" lg. capscrew, and flange nut.

Note: When using leaf mulcher, rear rollers must be positioned in top bracket holes (Fig. 9).

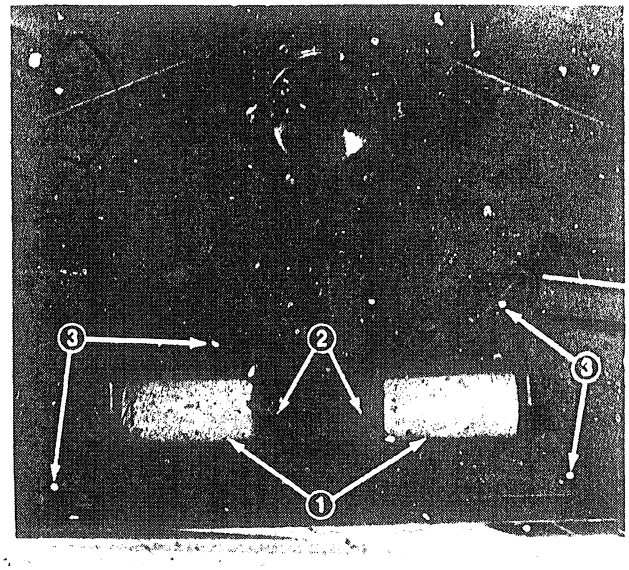

Figure 9

1. Rear rollers
2. Top bracket holes
3. Rear shelf mounting holes

14. Align mounting holes in cutting unit with support tubes on rear shelf (Fig. 9). Secure rear shelf to cutting unit with (4) 3/8-16 x 3/4" lg. capscrews and lockwashers (Fig. 10).

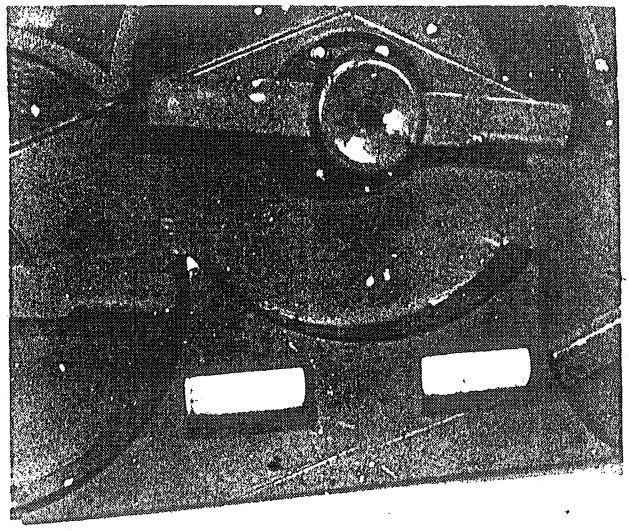

Figure 10

Note: When leaf mulcher is removed, plug (6) mounting holes in top of cutting unit with capscrews, lockwashers, and locknuts supplied in kit.

INSTALL CUTTING UNIT

1. Make sure PTO shaft on traction unit clears cutting unit frame, engage parking brake, be sure traction pedal is in neutral, PTO lever is in OFF position, start engine and raise frame (Fig. 11).

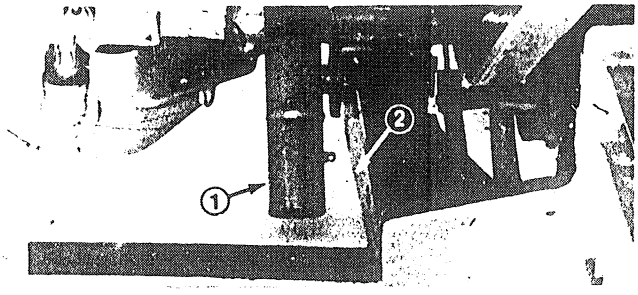

Figure 11

1. PTO shaft
2. Frame

2. Stop engine, slide cutting unit under frame and slide male PTO shaft into female PTO shaft.

3. Install clevis pins through desired height-of-cut bracket holes and frame to secure cutting unit to frame (Fig. 12). Secure all four pins with hairpins (Fig. 12).

4. Start engine and raise cutting unit. Insert long hook end of spring into center groove of spacer.

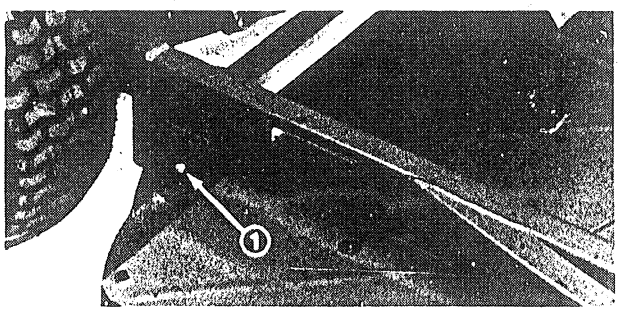

Figure 12

1. Clevis pin in desired holes

align spacer and spring with center bracket holes and insert clevis pin through center bracket hole, spacer and spring (Fig. 13). Secure assemblies with hairpin cotters (Fig. 13).

5. Lower cutting unit.

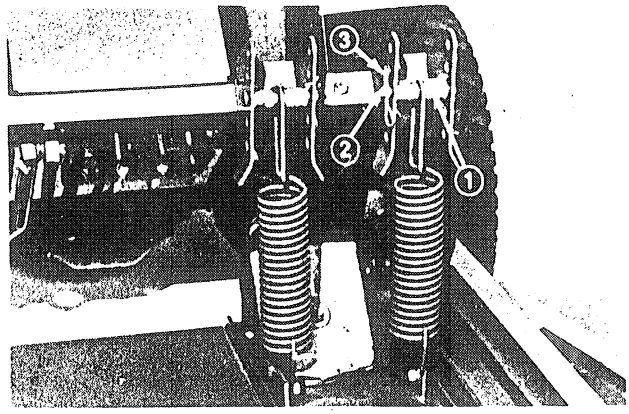

Figure 13

1. Spacer 2. Clevis pin 3. Hairpin cotter

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