FORM NO. 3312-495

TORO®

MODEL NO. 03630

INSTALLATION INSTRUCTIONS

350 D FLOATATION KIT

INSTALL FRONT ADAPTOR PLATE

Not required on traction unit, model 03605-50001 and up.

1. Lower all cutting units to the ground and return control levers to "N" (neutral).

2. Remove transport lockout handles and roll pins from front carrier.

3. Mount front adaptor plate (welded tabs forward) to outside of front carrier using M12 capscrews (Fig. 1).

4. Using front adaptor plate as template, mark all hole locations (Fig. 1). Remove front adaptor plate and drill two 1/2" dia. and four 15/64" dia. holes.

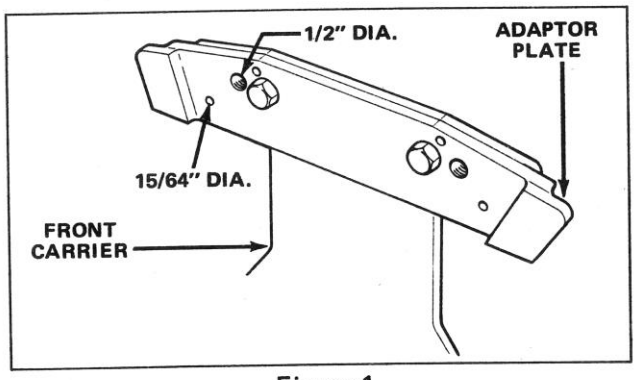


Figure 1

5. Install front adaptor plate (welded tabs forward) to rear surface of carrier frame, using new M12 capscrews (Fig. 2). Drive new roll pins into four holes (Fig. 2).

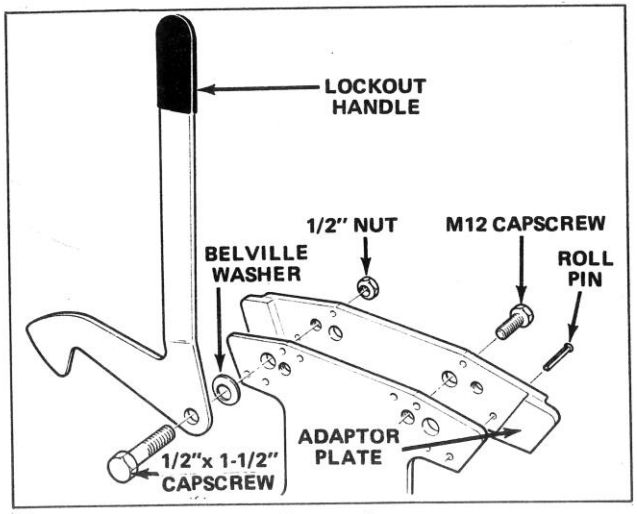


Figure 2

6. Install lockout handles at new hole locations, using new 1/2" x 1-1/2" capscrews, nuts and belville washers (Fig. 2). Belville washer must be between handle and carrier frame to allow handle to move freely.

REMOVE CUTTING UNITS

1. Loosen clamp capscrews and remove front pivot pin capscrews on all lift arms (Fig. 3).

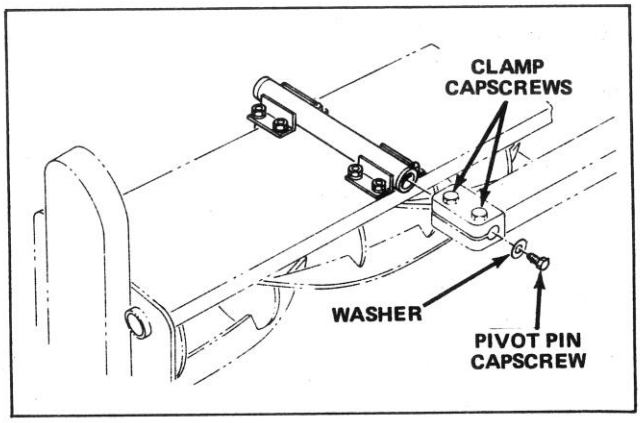


Figure 3

2. Remove cutting unit by carefully pushing pivot pin out of lift arm, while maintaining downward pressure on the arm.

⚠ WARNING

Because lift arms are spring-loaded, serious injury may occur if the lift arm is allowed to swing up suddenly.

3. Remove U-bolts, lockwashers and nuts holding pivot housings to top of cutting units. Discard pivot housing assemblies, but keep all U-bolts, washers and nuts for later use.

MODIFY UPPER GRASS SHIELDS

Not required on traction unit model 03605-50001 and up.

1. Remove upper grass shields from all cutting units. Discard tipper plates from number 2 and 3 cutting units.

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2. Cut clearance areas into front and rear of all grass shields (Fig. 4).

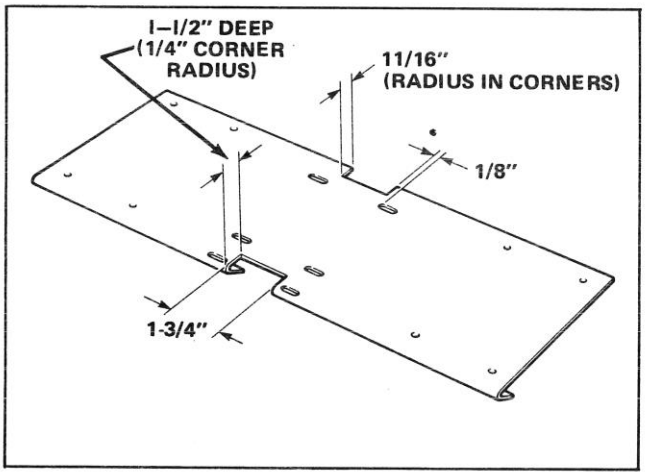


Figure 4

Note: New grass shields, part number 52-1440, may be purchased if you do not want to rework old shields.

3. Install modified upper grass shields onto number 1, 4, and 5 cutting units.

4. Install modified upper grass shields and tipper plates onto number 2 and 3 cutting units (Fig. 5). Left tipper plate mounts on number 2 cutting unit, right tipper plate mounts on number 3 cutting unit.

Note: Later, when cutting units are mounted and raised, tipper plates should contact rollers mounted on main frame.

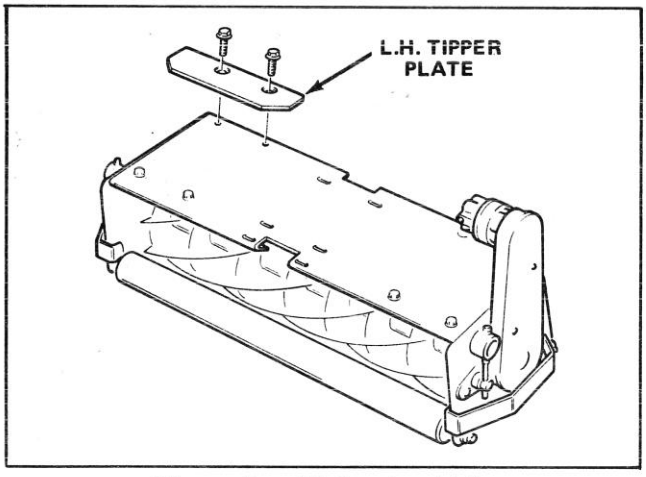


Figure 5 – #2 Cutting Unit

MOUNT NEW PIVOT ASSEMBLIES ON CUTTING UNITS

1. Install straight, inline pivot pin assembly on the number 1 cutting unit (Fig. 6). Use original U-bolts, lockwashers and nuts.

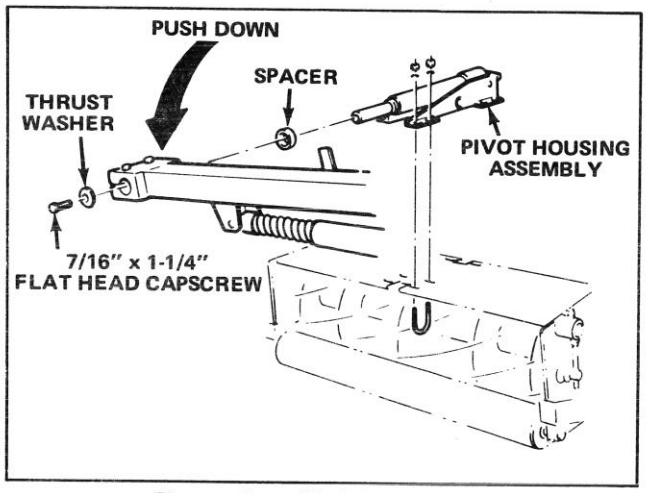


Figure 6 – #1 Cutting Unit

2. Using original U-bolts, lockwashers and nuts, install offset pivot pin assemblies on remaining cutting units (Fig. 7).

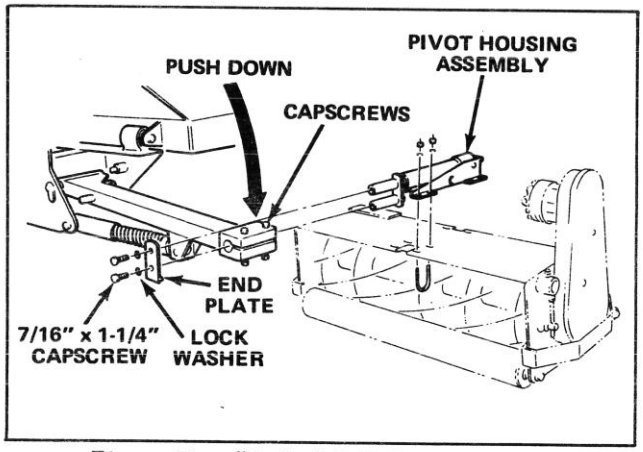


Figure 7 – #2, 3, 4 & 5 Cutting Units

INSTALL BUMPER AND TIPPER BRACKETS

1. Remove bumper from number 1 cutting unit lift arm. Save bumper, lockwasher and nut for later use.

2. Remove bumper bracket from frame near number 1 cutting unit lift arm. Disassemble bumper from bracket. Save bumper, lockwasher, nut and hardware used to mount old bracket. Discard old bracket.

3. Assemble original bumpers to new bumper brackets (Fig. 8).

4. Mount lift arm bumper bracket to arm, using new 5/16" x 7/8" capscrew, lockwasher and nut. Mount frame bumper bracket to frame, using original hardware.

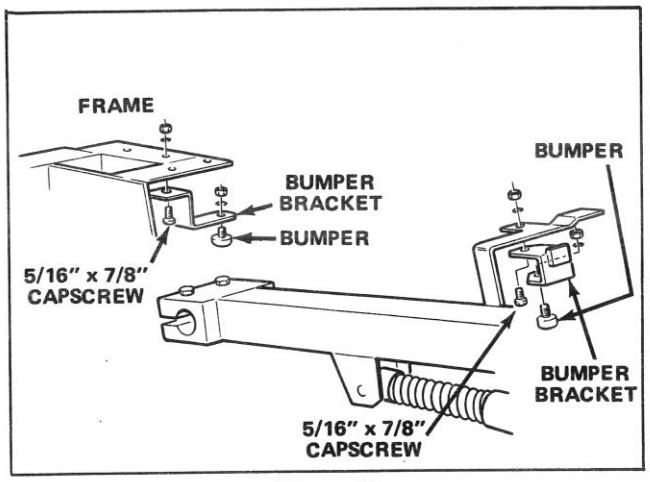


Figure 8

5. Remove rollers from number 4 and 5 tipper brackets. Using longer 12M capscrews, new flat washers and original lockwashers and nuts, install rollers and new tipper guides (Fig. 9). Left tipper guide corresponds to #4 bracket and right guide to #5 bracket.

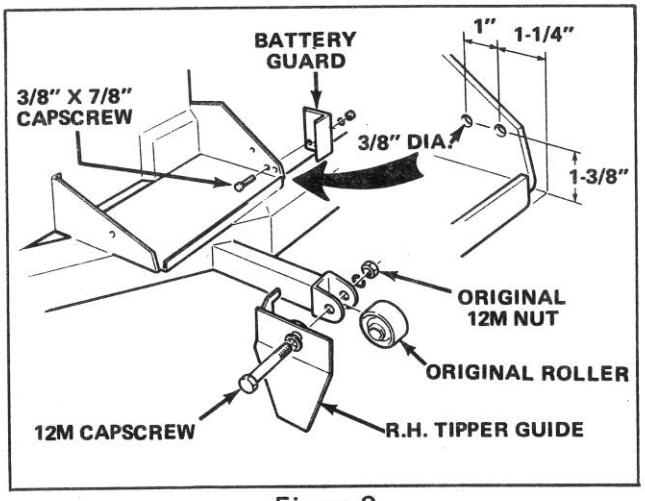


Figure 9

INSTALL BATTERY GUARD

1. Remove the battery.

2. Using the dimensions indicated, drill two 3/8" dia. holes through battery carrier frame (Fig. 9).

3. Install battery guard with 3/8" x 7/8" capscrews, lockwashers and nuts (Fig. 9). Reinstall battery.

MOUNT CUTTING UNITS TO LIFT ARMS

IMPORTANT: When mounting cutting units to lift arms, Locktite 242 must be applied to the special flat head screw and capscrews used to hold pivot pin in lift arm.

1. Mount number 1 cutting unit to lift arm, using spacer, thrust washer and special 7/16" x 1-1/4" flat head capscrew (Fig. 6). Tighten capscrews, lockwashers and nut retaining pivot pin in bracket at end of lift arm.

2. Mount all other cutting units to lift arms, using end plates, lockwashers and 7/16" x 1-1/4" capscrews (Fig. 7). Tighten capscrews, lockwashers and nuts retaining pivot pin in bracket at end of lift arm.

3. Raise and lower all cutting units to verify proper operation.

4. Set cutting units to desired height-of-cut (see Height-of-Cut Adjustment Procedure).

HEIGHT-OF-CUT ADJUSTMENT PROCEDURE

Toro recommends that an 18" x 2" x 3/8" gauge bar (Fig. 10) with a round head screw and jam nut in the center should be used to set height-of-cut precisely.

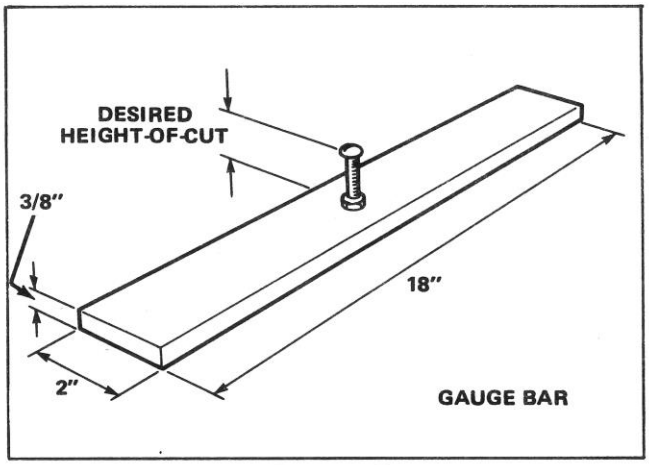


Figure 10

1. Properly adjust reel to bedknife before setting height-of-cut.

2. Lock cutting unit in fixed position. Then lower cutting unit onto a solid flat surface, such as a piece of 3/4" plywood.

3. Insert a piece of bar stock, equivalent to desired height-of-cut, under the cutting unit reel. The reel (not the bedknife) must contact bar stock.

4. Loosen front roller adjusting nuts and push roller down so there is contact across full length of the roller. Tighten nuts.

5. Raise cutting unit off ground.

6. With dimension between inside of screw head and gauge bar set at desired height-of-cut, hook screw head over cutting edge of bedknife (Fig. 11).

7. Loosen nuts and adjust both ends of rear roller until it is parallel at both ends. Tighten nuts to lock roller in place.

IMPORTANT: Set properly, front and rear rollers will contact gauge bar and screw will be snug against bedknife (Fig. 11).

8. Remove fixed position capscrew to allow cutting unit to float.

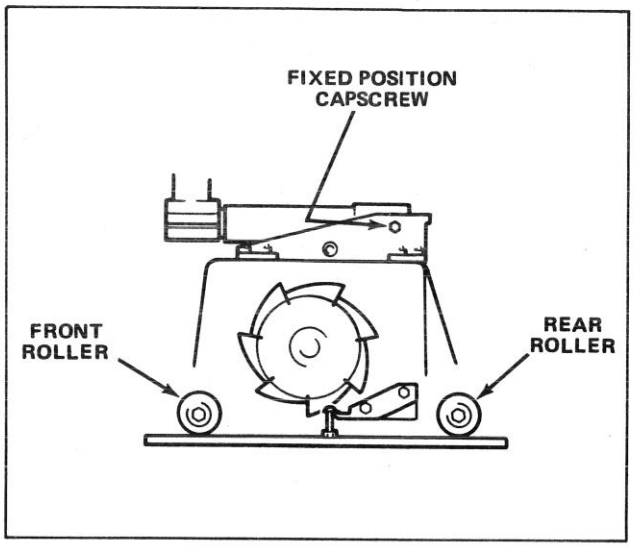


Figure 11

Litho in U.S.A.