FORM NO. 3321–596

TORO®

PART NO. 99–2485

INSTALLATION INSTRUCTIONS

CARRIER FRAME CONVERSION KIT
REELMASTER 6500D/6700D

1. Position machine on a level surface, lower the cutting units, stop the engine, engage the parking brake and remove key from ignition switch.

2. Disconnect drive motor from cutting unit (Fig. 1).

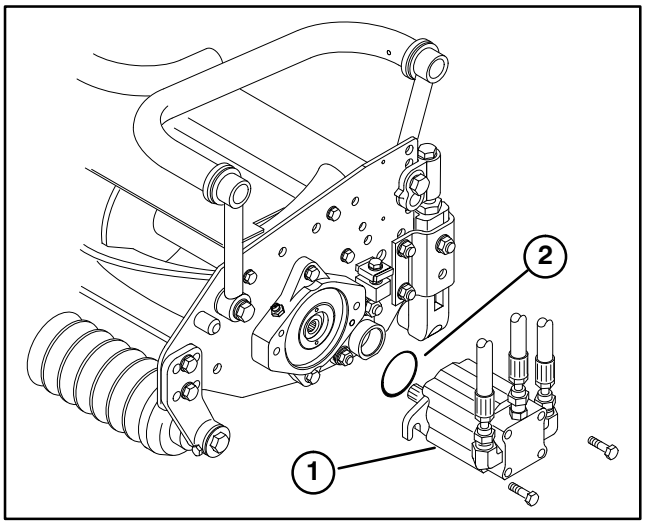

Figure 1
1. Motor
2. O–ring

3. Remove steering pin and lynch pin from pivot knuckle and carrier frame pivot shaft (Fig. 2).

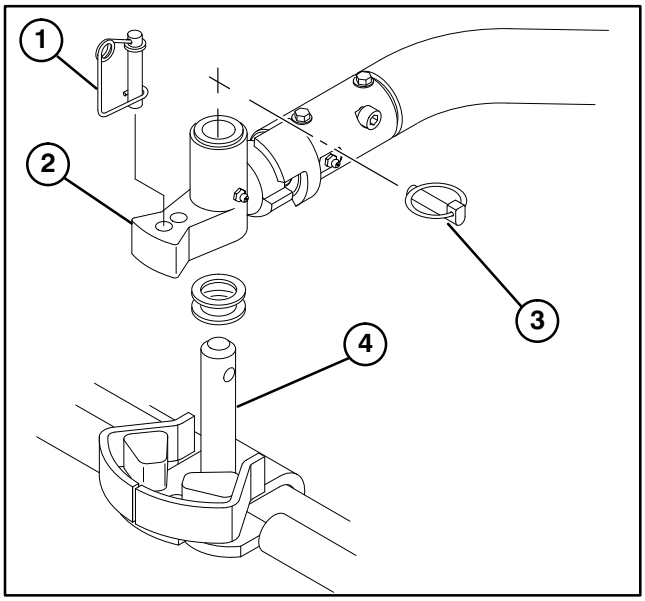

Figure 2
1. Steering pin
2. Pivot knuckle
3. Lynch pin
4. Carrier frame

4. Remove (4) bolts and washers securing cutting unit links to cutting unit side plates (Fig. 3). Remove and discard carrier frame and cutting unit links.

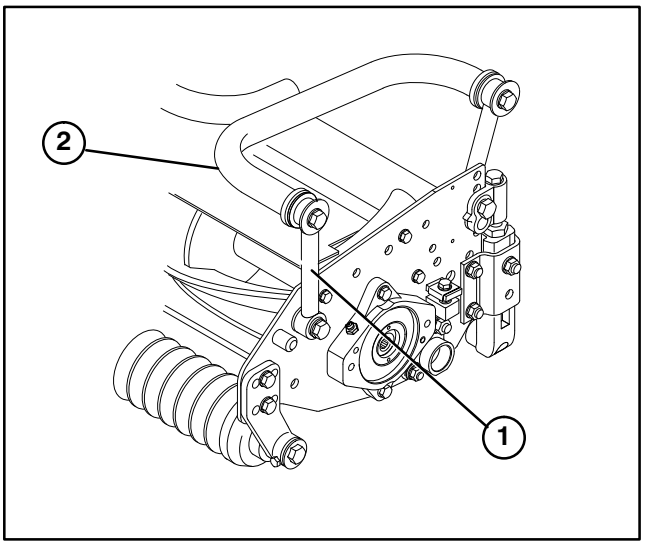

Figure 3
1. Link
2. Carrier frame

5. Locate un–used hole, behind front roller brackets, in each cutting unit side plate (Fig. 4).

6. Drill out each hole to .500 dia.

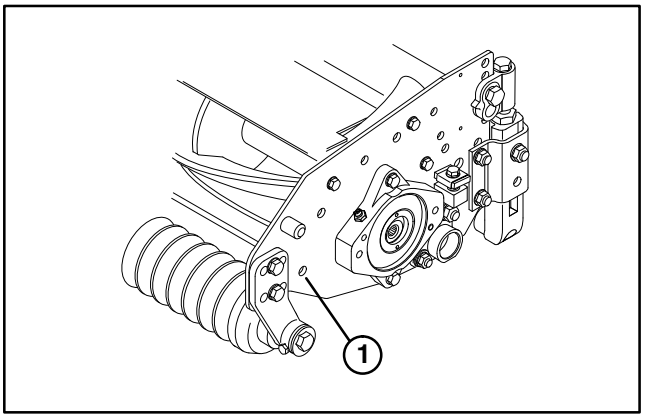

Figure 4
1. Drill out hole to .500" dia (1 in each side plate)

7. Using dimensions shown in figure 5, locate, mark, and weld a spacer tube to top of reel frame cross tube. Measurement is from outside edge of reel frame bracket, not cutting unit side plate.

NOTE: Location of welded spacer tube is very important, as it affects the performance of the turf comp spring and ground clearance of cutting units.

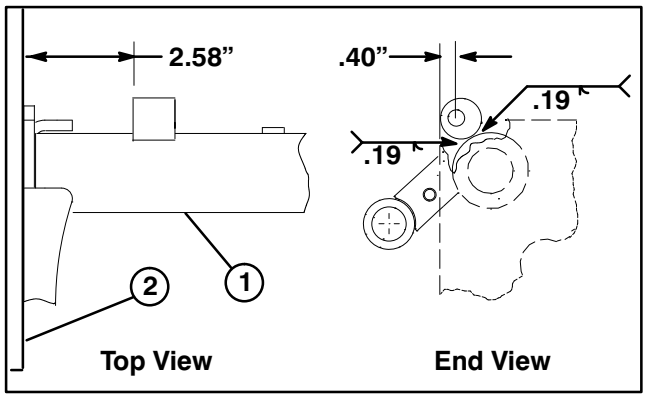

Figure 5

1. Reel frame cross tubs
2. Side plate

8. With (2) flangenuts, install (2) bumpers to new carrier frame as shown in figure 6.

9. Install new pivot pin to carrier frame with roll pin as shown in figure 6.

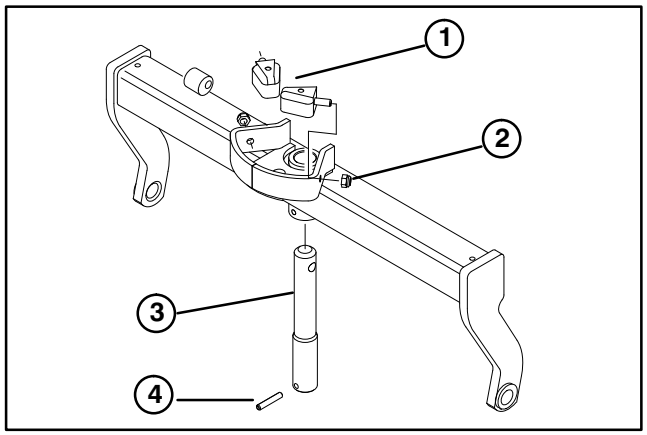

Figure 6

1. Bumper
2. Flange nut
3. Pivot pin
4. Roll pin

10. Using drilled out holes, mount new carrier frame to inside of each cutting unit side plate with a flange bolt, washer, frame spacer and lock nut. Position components as shown in figure 7.

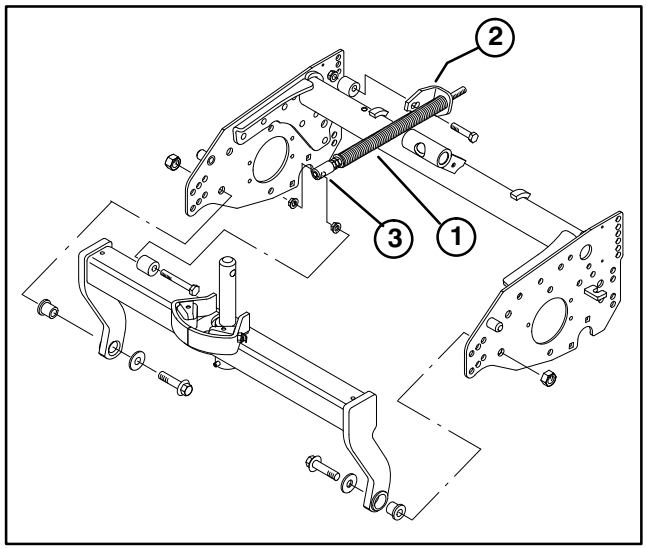

Figure 7

1. Spring rod 2. Spring bracket 3. Spring tube

11. Mount spring bracket to newly welded spacer tube with a 3/8−16 x 1−3/4” lg. flange head capscrew and flange nut (Fig. 7).

12. Mount the 3/8−16 x 2−3/4” lg. capscrew to carrier frame with a lock nut as shown in figure 7. Tighten nut securely.

13. Insert spring tube onto 3/8−16 x 2−3/4” lg. capscrew and loosely secure with another lock nut. **Do not over−tighten lock nut. Spring tube must be able to rotate freely.**

14. Mount cutting unit to traction unit. Refer to Traction Unit Operator’s Manual for mounting instructions.

15. Tighten lock nut on rear of spring rod until the gap (C) between rear of spring bracket and front of washer is 1/2” (Fig. 8).

16. Tighten the (2) hex nuts on front end of spring rod until the compressed length (A) of spring is 8” (Fig. 8).

NOTE: When cutting rough or undulating turf, increase compressed length (A) of spring to 8−1/2” and gap (C) between rear of spring bracket and front of washer to 1−1/4”.

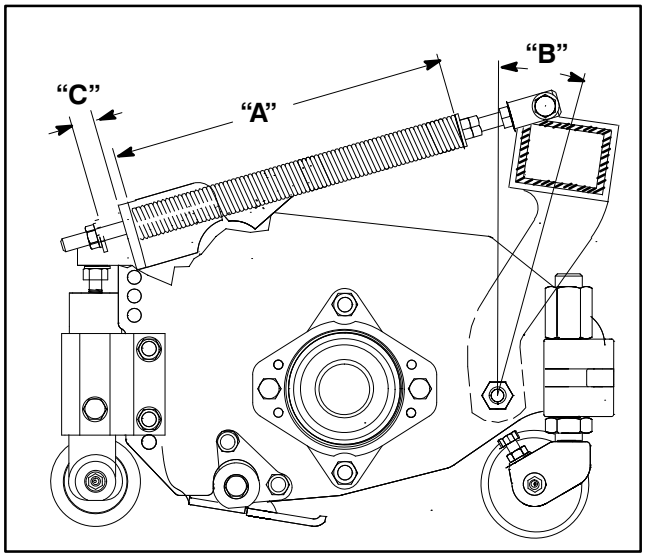

Figure 8

OPERATING TIPS

- As compressed spring length (A) DECREASES, weight transfer from front roller to rear roller INCREASES and carrier frame/cutting unit rotation angle (B) DECREASES.
- As gap (C) between spring bracket and nut INCREASES, cutting unit ground clearance DECREASES and carrier frame/cutting unit rotation angle (B) INCREASES.