

# TORO®

MODEL NO. 30759

## INSTALLATION INSTRUCTIONS

### CUTTING UNIT FLOTATION KIT

(FOR CUTTING UNIT MODEL NO'S. 30544, 30768 &amp; 30753)

#### ASSEMBLY

**Note:** Dimensions shown in Figures 1 and 2 pertain to both 44" and 52" cutting units unless otherwise specified. Use appropriate dimensions when locating holes. Cutting units with serial numbers of 60001 and up may already have mounting holes drilled.

1. Using dimensions shown in Figure 1, locate and drill (2) .281" dia. holes in cutting unit deck support bars (one in each side).
2. Using dimensions shown in Figure 2, locate and drill (8) .281" dia. holes in carrier frame (4 in each side).
3. Position anchor bracket on inside of deck support bar, aligning front hole with drilled hole (Fig. 1).
4. Using anchor bracket as a template, mark and drill (2) .281" dia. holes in each deck support bar. Clevis pin may be used to align holes when marking.
5. Mount anchor bracket to the inside of each deck support bar with (2) round head screws and locknuts. Position screw heads toward outside of deck.

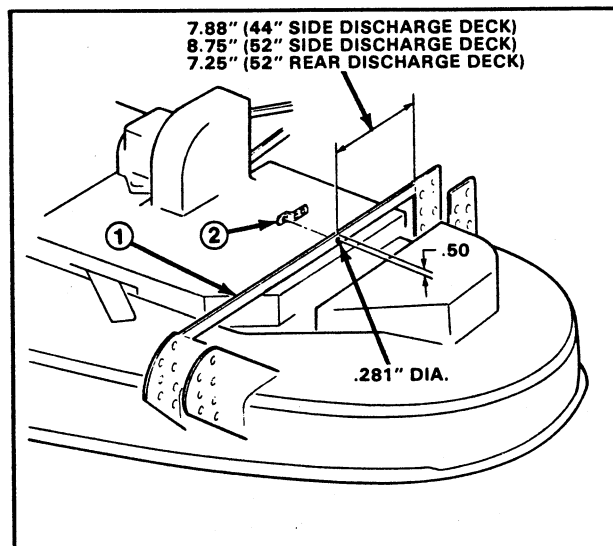


Figure 1

1. Deck support bar
2. Anchor bracket

6. Mount a pulley bracket and control adjustment bracket to each side of carrier frame with capscrews and locknuts, positioning them as shown in Figure 3.

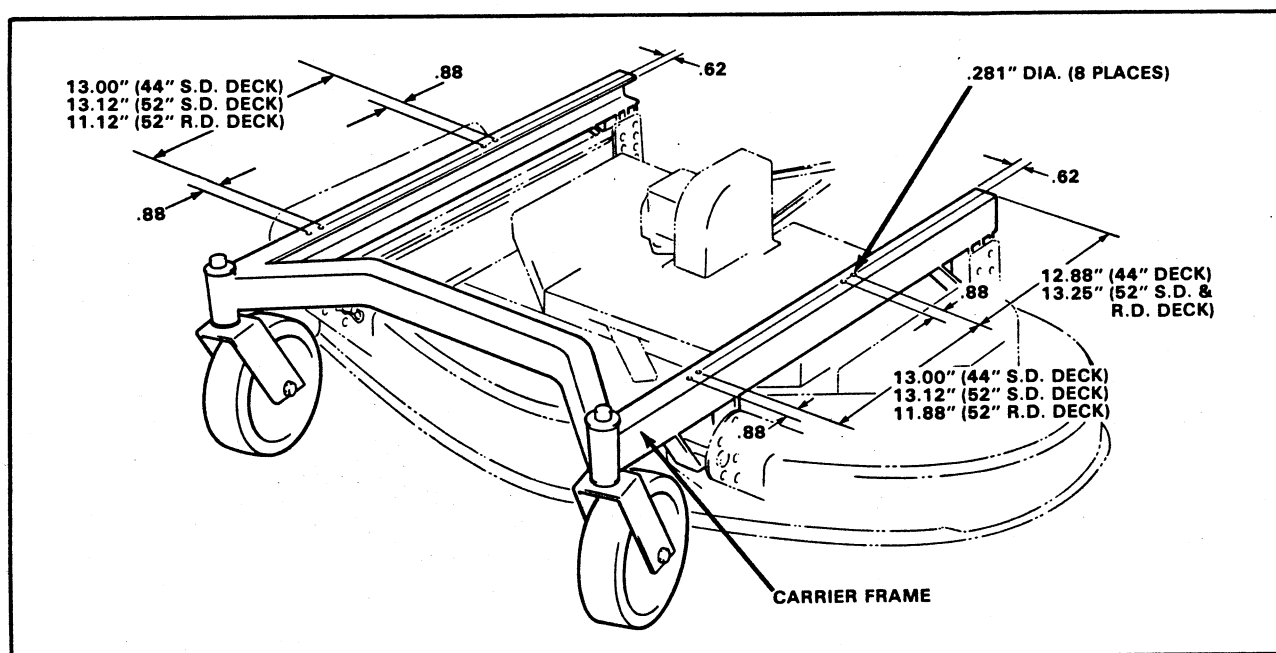
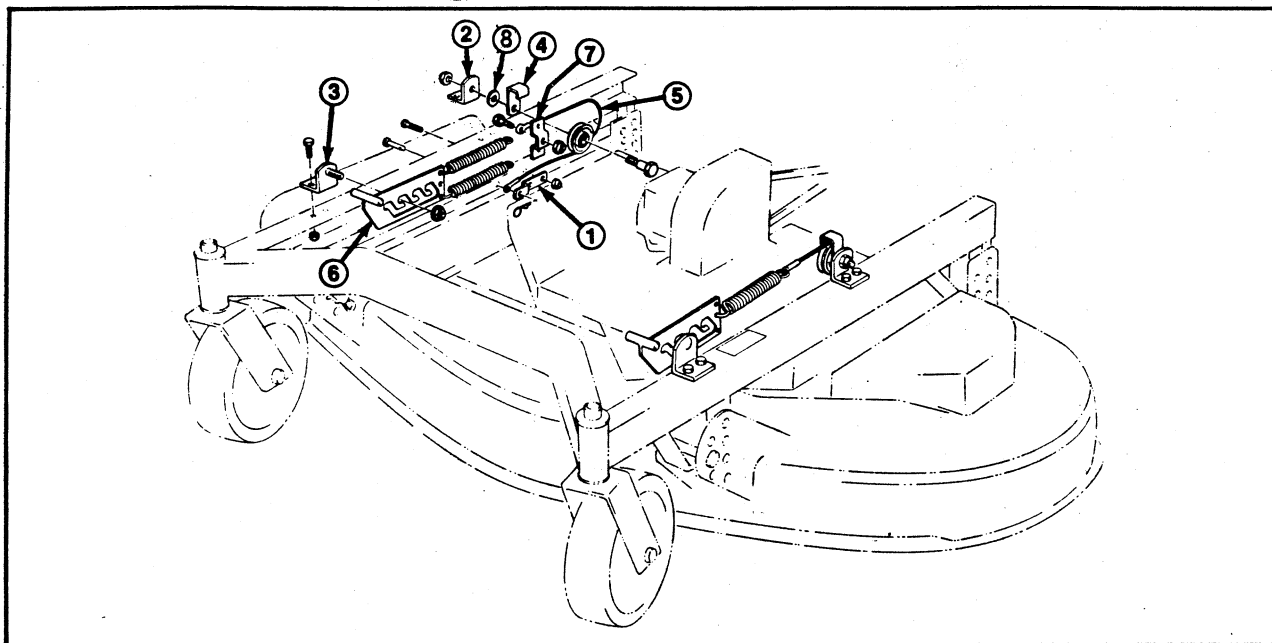


Figure 2



**Figure 3**

- |                               |                               |
|-------------------------------|-------------------------------|
| 1. Anchor bracket             | 5. Cable                      |
| 2. Pulley bracket             | 6. Tension adjustment bracket |
| 3. Control adjustment bracket | 7. Spring bracket             |
| 4. Cable retainer             | 8. Flat washer                |

7. Loosely secure a cable retainer and pulley assembly to each control adjustment bracket with a shoulder bolt, flat washer and locknut. Route cable around each pulley assembly as shown in Figure 3 and tighten locknut.

8. Secure bottom end of cable between anchor bracket and deck support bar with a clevis pin and hair pin cotter.

9. Hook an extension spring to the other end of cable and to tension adjustment bracket. When installing kit on a cutting unit equipped with a bagging attachment, two springs and a spring bracket must be mounted on right side as shown in Figure 3. Two springs and spring bracket must be mounted on left side of cutting unit when installing kit on 52" Rear Discharge Deck.

10. Raise height-of-cut to the 4" position or block the deck up to the highest position.

11. Insert tension adjustment bracket onto control adjustment bracket stud. Position in first notch. Install flangenut but do not tighten. There should be approximately 1/8" clearance between nut and bracket.

12. Remove blocks (if used) and set cutting unit to desired height-of-cut setting.

13. Apply a spring tension warning decal to each side of carrier frame in area of springs.

### OPERATION

The cutting unit performs best when spring tension is adjusted so deck can easily float over the terrain, but still not bounce upward in uneven conditions. To adjust spring tension:

1. Check adjustment by operating the mower in an area similar to normal operating conditions.

2. If cutting unit tends to raise off turf, or bounces severely, stop the machine, engage parking brake, make sure traction pedal is in neutral and stop the engine.

3. Raise height-of-cut to the 4" position or block the deck up to the highest position. Relieve spring tension by moving tension adjustment bracket rearward into forward notch.

4. Check each side of cutting deck to make sure they ride properly over turf. Spring tension setting may differ from side to side depending on size of deck and accessories being used.

### MAINTENANCE

After every 50 hours of operation apply a few drops of oil to pulley bushings.