

Repair Tuckunder TKT EA Flipper Torsion Spring Instructions 2500/3000 Models

These instructions will assist you in replacing a flipper torsion assist spring on a Tuckunder TKT Series Tommy Gate lift with a 60" aluminum platform.

WARNING! The platform flipper could weigh up to 150 lbs. Use appropriate lifting equipment or personnel to complete this repair.

Removing the Old Platform Hardware

1. **OPEN** the platform and **POSITION** at a comfortable working height.
2. **RELIEVE** spring tension by rotating the flipper to roughly the position shown.
3. **SUPPORT** the flipper to keep it from falling in the next steps.
4. **REMOVE** the 5/8" or 1/2" shoulder bolt from the torsion spring swivel on the drivers side.
5. **REMOVE** two (2) 1/2" bolts to remove the torsion spring capture plate from the flipper.
6. **REMOVE** the torsion spring from the flipper.

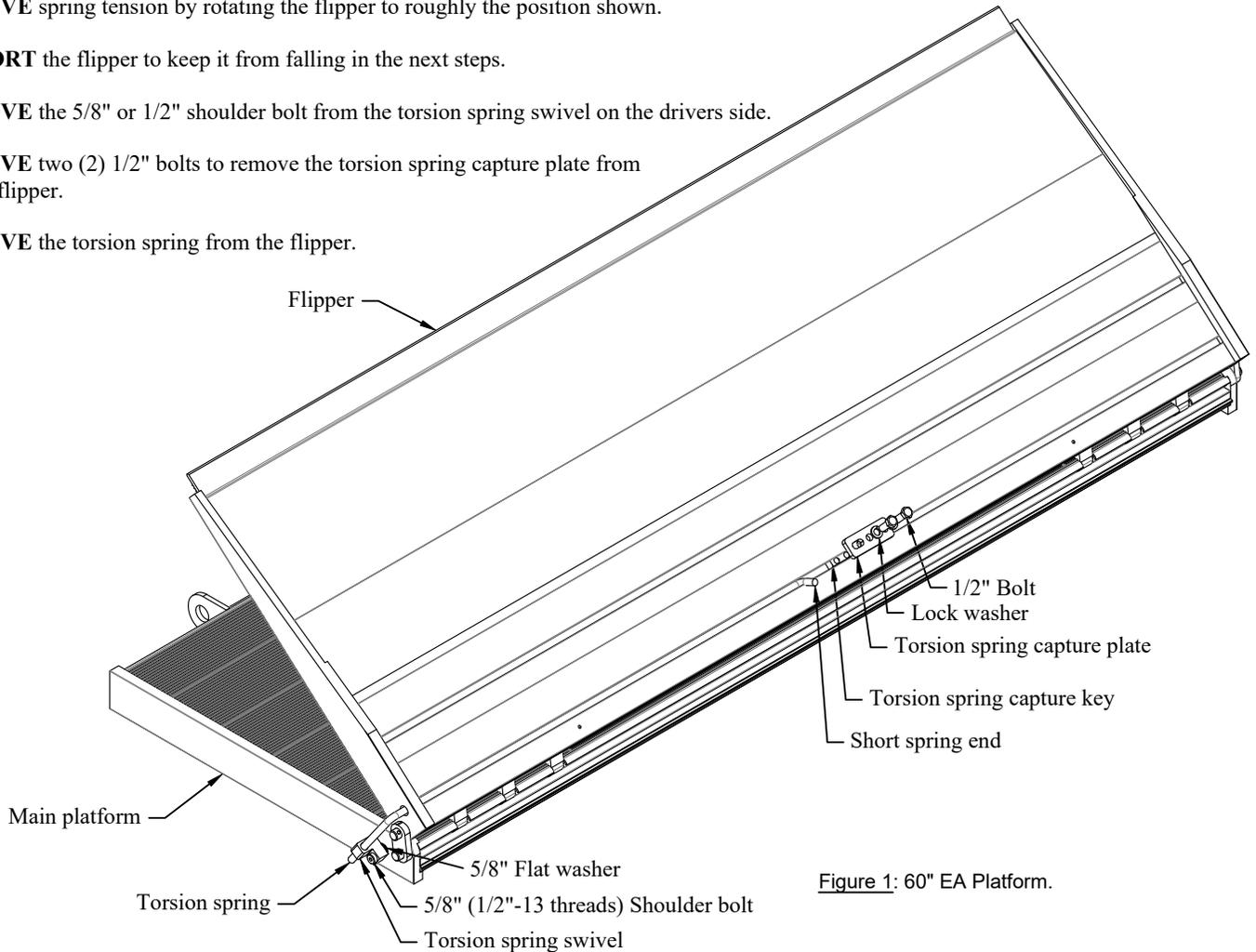


Figure 1: 60" EA Platform.

Installing the New Torsion Spring Hardware on the Platform

NOTE: If a 1/2" shoulder bolt (3/8"-16 threads) was previously removed, the hole in the platform will need to be drilled and tapped to accept the new 5/8" shoulder bolt (1/2"-13 threads).

7. **INSERT** short spring end into driver side flipper.
8. **INSTALL** the torsion spring swivel on the torsion spring and **SLIDE** spring into the platform.
9. **APPLY** thread locker to 5/8" shoulder bolt threads.
10. **SECURE** the torsion spring swivel using the 5/8" shoulder bolt and 5/8" flat washer.
Make sure the hardware is in the order and orientation shown (Figure 1).
11. **PLACE** the slot of the torsion spring capture plate over the short end of the torsion spring.
12. **ALIGN** the torsion spring capture plate with the torsion spring capture key.
13. **ATTACH** torsion spring capture plate to torsion spring capture key with two (2) 1/2" bolts and lock washers.
14. **FOLD** and **STORE** platform.