INSTRUCTIONS, TORSION SPRING ADJUSTMENT KIT

KIT P/N 287622-01 (GPTLR-25 & GPTLR-33 WITH ALUMINUM PLATFORM)

- **BLOCK (FOR RH SIDE)**
  P/N 281341-01
  QTY. 1

- **BLOCK (FOR LH SIDE)**
  P/N 281341-02
  QTY. 1

- **PLATFORM SPRING BUSHING**
  P/N 285098-01
  QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 3-1/2” LG. GR8**
  P/N 900014-13
  QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 2-1/2” LG. GR8**
  P/N 900014-10
  QTY. 2

- **LOCK NUT 3/8”-16**
  P/N 901002
  QTY. 4

- **FLAT WASHER, 3/8” X 1.16” THK**
  P/N 903447-02
  QTY. 12

- **FLAT WASHER 3/8”**
  P/N 902000-10
  QTY. 2

- **SHIM, 1-3/8” ID X 1-7/8” OD X 1/16”**
  P/N 903407-02
  QTY. 2

- **TORSION SPRING**
  P/N 281319-02
  QTY. 1

- **BUSHING**
  P/N 287618-01
  QTY. 2

- **RH BRACKET**
  P/N 287767-01
  QTY. 1

- **LH BRACKET**
  P/N 287767-02
  QTY. 1

- **SPRING PIN**
  P/N 287680-01
  QTY. 2

© MAXON Lift Corp. 2014
KIT P/N 287622-02 (GPTLR-44 & GPTLR-55 WITH ALUMINUM PLATFORM)

<table>
<thead>
<tr>
<th>Item Description</th>
<th>P/N</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block (for RH side)</td>
<td>281341-01</td>
<td>1</td>
</tr>
<tr>
<td>Block (for LH side)</td>
<td>281341-02</td>
<td>1</td>
</tr>
<tr>
<td>Platform spring bushing</td>
<td>285098-01</td>
<td>2</td>
</tr>
<tr>
<td>Hex cap screw, 3/8”-16 X 3-1/2” LG. GR8</td>
<td>900014-13</td>
<td>2</td>
</tr>
<tr>
<td>Hex cap screw, 3/8”-16 X 2-1/2” LG. GR8</td>
<td>900014-10</td>
<td>2</td>
</tr>
<tr>
<td>Flat washer, 3/8” X 1.16” THK</td>
<td>903447-02</td>
<td>12</td>
</tr>
<tr>
<td>Flat washer 3/8”</td>
<td>902000-10</td>
<td>2</td>
</tr>
<tr>
<td>Shim, 1-3/8” ID X 1-7/8” OD X 1/16”</td>
<td>903407-02</td>
<td>2</td>
</tr>
<tr>
<td>Torsion spring</td>
<td>281319-02</td>
<td>1</td>
</tr>
<tr>
<td>Bushing</td>
<td>287618-01</td>
<td>2</td>
</tr>
<tr>
<td>RH bracket</td>
<td>287767-01</td>
<td>1</td>
</tr>
<tr>
<td>LH bracket</td>
<td>287767-02</td>
<td>1</td>
</tr>
<tr>
<td>Spring pin</td>
<td>287772-01</td>
<td>2</td>
</tr>
</tbody>
</table>

© MAXON Lift Corp. 2014
KIT P/N 287622-03 (GPTLR-25 & GPTLR-33 WITH STEEL PLATFORM)

- **BLOCK (FOR RH SIDE)**
  - P/N 281769-01
  - QTY. 1

- **BLOCK (FOR LH SIDE)**
  - P/N 281769-02
  - QTY. 1

- **PLATFORM SPRING BUSHING**
  - P/N 285098-01
  - QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 3-1/2” LG. GR8**
  - P/N 900014-13
  - QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 2-1/2” LG. GR8**
  - P/N 900014-10
  - QTY. 2

- **LOCK NUT 3/8”-16**
  - P/N 901002
  - QTY. 4

- **FLAT WASHER, 3/8” X 1.16” THK**
  - P/N 903447-02
  - QTY. 12

- **FLAT WASHER 3/8”**
  - P/N 902000-10
  - QTY. 2

- **SHIM, 1-3/8” ID X 1-7/8” OD X 1/16”**
  - P/N 903407-02
  - QTY. 2

- **TORSION SPRING**
  - P/N 280950-01
  - QTY. 1

- **BUSHING**
  - P/N 287618-01
  - QTY. 2

- **RH BRACKET**
  - P/N 287767-01
  - QTY. 1

- **LH BRACKET**
  - P/N 287767-02
  - QTY. 1

- **SPRING PIN**
  - P/N 287680-01
  - QTY. 2

© MAXON Lift Corp. 2014
KIT P/N 287622-04 (GPTLR-44 & GPTLR-55 WITH STEEL PLATFORM)

- **BLOCK (FOR RH SIDE)**
  - P/N 281769-01
  - QTY. 1

- **BLOCK (FOR LH SIDE)**
  - P/N 281769-02
  - QTY. 1

- **PLATFORM SPRING BUSHING**
  - P/N 285098-01
  - QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 3-1/2” LG. GR8**
  - P/N 900014-13
  - QTY. 2

- **HEX CAP SCREW, 3/8”-16 X 2-1/2” LG. GR8**
  - P/N 900014-10
  - QTY. 2

- **LOCK NUT 3/8”-16**
  - P/N 901002
  - QTY. 4

- **FLAT WASHER, 3/8” X 1.16” THK**
  - P/N 903447-02
  - QTY. 12

- **FLAT WASHER 3/8”**
  - P/N 902000-10
  - QTY. 2

- **SHIM, 1-3/8” ID X 1-7/8” OD X 1/16”**
  - P/N 903407-02
  - QTY. 2

- **TORSION SPRING**
  - P/N 280950-01
  - QTY. 1

- **BUSHING**
  - P/N 287618-01
  - QTY. 2

- **RH BRACKET**
  - P/N 287767-01
  - QTY. 1

- **LH BRACKET**
  - P/N 287767-02
  - QTY. 1

- **SPRING PIN**
  - P/N 287772-01
  - QTY. 2

© MAXON Lift Corp. 2014
1. Park vehicle on level ground.

2. From stowed position, lower the platform slightly below the extension plate as shown in FIG. 5-1. Support the RH platform support with a jack and block of woo (FIG. 5-1).

**CAUTION**

To prevent injury and equipment damage, make sure there is no tension on torsion spring before removing hinge pin.

3. Unbolt RH spring pin from shackle and unbolt spring bracket (FIG. 5-2). Drive the spring pin outboard toward the shackle just enough to free the torsion spring as shown in FIG. 5-3.

**CAUTION**

To prevent damage to lift arm bearings, grind off damaged surfaces on spring pin before removing the pin. Damaged areas should be ground lower than the contact surface of the pin. When grinding on the pin, prevent grinder from damaging torsion spring.

4. If necessary, grind off all damaged areas on the surface of the RH spring pin. Then, remove RH torsion spring (FIG. 5-3). Save RH spring. Discard the spring pin, spring bracket, 2 bolts, 2 lock nuts and flat washer.

© MAXON Lift Corp. 2014
5. Drive out flange bearing from platform support. Then, remove spring support block (FIG. 6-1). Discard bearing and spring support block.

---

**WARNING**

Welding on galvanized parts gives off especially hazardous fumes. Comply with WARNING decal on the galvanized part (FIG. 6-2). To minimize hazard remove galvanizing from weld area, provide adequate ventilation, and wear suitable respirator.

**CAUTION**

To protect the original paint system, a 3” wide area of paint must be removed from all sides of the weld area before welding.

**CAUTION**

When using electrical welder, make sure the welder ground lead is connected directly to the platform support, as close as possible to the place being welded. Failure to comply can result in damaged cylinders and electrical parts.

6. Prepare painted or galvanized surface for welding.

---

**WARNING DECAL FOR GALVANIZED PARTS**

FIG. 6-2

© MAXON Lift Corp. 2014
7. Position support block (Kit item) on RH platform support. Refer to FIGS. 7-1 and 7-2 for aluminum platforms. For steel platforms, refer to FIGS. 7-3 and 7-4.

**POSITIONING BLOCK ON RH PLATFORM SUPPORT**
(ALUMINUM PLATFORM SHOWN)
FIG. 7-1

**POSITIONING BLOCK ON RH PLATFORM SUPPORT**
(STEEL PLATFORM SHOWN)
FIG. 7-3

**POSITIONING BLOCK ON RH PLATFORM SUPPORT**
(ALUMINUM PLATFORM SHOWN)
FIG. 7-2

**POSITIONING BLOCK ON RH PLATFORM SUPPORT**
(STEEL PLATFORM SHOWN)
FIG. 7-4
8. Weld block to RH platform support as shown in FIGS. 8-1 and 8-2.

NOTE: While welding block to platform support, make sure weld in the upper corner of the block does not interfere with contact surface for the leg of the torsion spring.

9. After welding support block, clean surfaces thoroughly where paint or galvanized finish was removed.

- If bare metal or primer is exposed on the painted portions of the Liftgate, touch up the paint. To maintain the protection provided by the original paint system, MAXON recommends aluminum primer touchup paint kit, P/N 908134-01.

- If bare metal is exposed on galvanized portions of the Liftgate, touch up the galvanized finish. To maintain the protection provided by the original galvanized finish, MAXON recommends cold galvanize spray, P/N 908000-01.
10. Press new outer bushing in platform support. Refer to FIG. 9-1 for aluminum platforms. For steel platforms, refer to FIG. 9-2.
11. Use a 1/2" drill bit to enlarge the bolt hole in the spring bracket on the RH shackle (FIG. 10-1).

12. Install the RH torsion spring as shown in FIG. 10-2. Long leg of the spring should be visible, and free, by the support block (FIG. 10-2). Install new spring pin (Kit item) on RH shackle with 1-3/8" shim-washer, new torsion spring, inner bushing, and new spring bracket (Kit items) as shown in FIG. 10-2. Place the spring bracket on the short leg of the torsion spring, and through the slot in the spring pin. Bolt spring pin to shackle using cap screw, lock nut and flat washer (Kit items). Then, bolt spring bracket through spring pin with cap screw, flat washer and lock nut (Kit items).
13. Raise platform enough to move jack and wood block under LH platform support (FIG. 11-1).

14. Refer to steps 3 - 5 to remove the LH torsion spring. Discard the LH torsion spring, spring pin, spring bracket, 2 bolts, 2 lock nuts, flat washer, bearing and spring support block.
15. Position support block (Kit item) on LH platform support. Refer to FIGS. 12-1 and 12-2 for aluminum platform. For steel platforms, refer to FIGS. 12-3 and 12-3.
NOTE: While welding block to platform support, make sure weld in the upper corner of the block does not interfere with contact surface for the leg of the torsion spring.

16. Weld block to LH platform support as shown in FIGS. 13-1 and 13-2.

17. After welding, clean surfaces thoroughly where paint or galvanized finish was removed.

- If bare metal or primer is exposed on the painted portions of the Liftgate, touch up the paint. To maintain the protection provided by the original paint system, MAXON recommends aluminum primer touchup paint kit, P/N 908134-01.

- If bare metal is exposed on galvanized portions of the Liftgate, touch up the galvanized finish. To maintain the protection provided by the original galvanized finish, MAXON recommends cold galvanize spray, P/N 908000-01.
18. Press new outer bushing in LH platform support. Refer to FIG. 14-1 for aluminum platforms. For steel platforms, refer to FIG. 14-2.
19. Use a 1/2" drill bit to enlarge the bolt hole in the spring bracket on the LH shackle (FIG. 15-1).

20. Install the LH torsion spring as shown in FIG. 15-2. Long leg of the spring should be visible, and free, by the support block (FIG. 15-2). Install new spring pin (Kit item) on LH shackle with 1-3/8" shim-washer, new torsion spring, inner bushing, and new spring bracket (Kit items) as shown in FIG. 15-2. Place the spring bracket on the short leg of the torsion spring, and through the slot in the spring pin. Bolt spring pin to shackle using cap screw, lock nut and flat washer (Kit items). Then, bolt spring bracket through spring pin with cap screw, flat washer and lock nut (Kit items) (FIG. 15-2).
21. Remove jack and wood block so platform can be lowered. **LOWER** platform until shackles touch the ground. Then, unfold platform only (FIG. 16-1). The maximum force to start unfolding platform is **30 lb**.

22. Measure the distance between the bottom block of the platform and the ground (FIG. 16-2). Recommended range is shown in FIG. 16-2. If required, make the ground clearance distance smaller by grinding a little material off the RH and LH spring support blocks.
23. Unfold flipover (FIG. 17-1). Then, fold flipover (FIG. 17-2). Platform section should not rotate up as the flipover is being folded.

24. Fold platform against opener (FIG. 17-3). The maximum force to start folding platform is 40 lb.
25. If necessary, insert shim washers (Kit items) between the torsion spring pin and stop bracket on the RH shackle (FIG. 18-1). Keep platform folded against platform opener to remove tension from the torsion springs (FIG. 18-1). Next, remove lock-nut and bolt enough to insert washers (FIG. 18-1). Then, re-install bolt and lock nut. Repeat this step for LH torsion spring.

NOTE: Each shim washer, inserted between torsion spring pin and stop, should make it easier to start unfolding and folding platform. Wait until adjustments are done before reinstalling lock nut on RH and LH shackles.

SHIMMING TORSION SPRING TO REDUCE FORCE NEEDED TO UNFOLD OR FOLD PLATFORM (RH SHACKLE SHOWN) FIG. 18-1