Service Bulletin

MRH601DS Travel Lever Replacement

Product Group: Rollers
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Bulletin Type
X Mandatory
Information Only
Recommended Change

Models/Series Affected:
MRH601DS
S/N Y1001 – Y1013
S/N Z1014 – Z1022

Details

Problem:
• The bolt of the traveling lever may become loose and cause rusting around screw thread of the lever shaft.
• The electrical cables are may be exposed to water from the sprinklers.

Solution:
• Replace travel lever with new design (no bolt) to eliminate problem of bolt getting loose during operation.
• Cover the electrical cables with flex tube.

Parts Information

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Part No.</th>
<th>Description</th>
<th>QTY.</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>MRH601LEVERKIT</td>
<td>Kit, Travel Lever and Electrical Tube</td>
<td>1</td>
<td>Includes items 2-9</td>
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<tr>
<td>2</td>
<td>518352810</td>
<td>Travel Lever</td>
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<td>3</td>
<td>518352800</td>
<td>Lever Shaft</td>
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<td>4</td>
<td>020310080</td>
<td>Nut, M10</td>
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<td>5</td>
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<td>Lock Washer, M10</td>
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<td>Flat Washer, M10</td>
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<td>518467530</td>
<td>Lever Cover</td>
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<td>Flex Tube, Electrical 25D-200L</td>
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<td>9</td>
<td>507010110</td>
<td>Tie Wraps TC-200</td>
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</table>

Figure 1. MRH601DS Parts
REPLACING TRAVEL LEVER

1. Remove knob from the travel lever by turning it counterclockwise. Set knob aside (Figure 2).

2. Slide the lever cover up to access the bolt on the travel lever (Figure 2).

3. Remove the four bolts, and associated hardware, securing the handle cover, with a 10 mm socket (Figure 3).

4. Remove handle cover.

5. Loosen and remove the bolt and washers at the rod end with a 10 mm socket and detach rod end from lever shaft (Figure 4).

6. Loosen the travel lever bolt with a 13 mm wrench and remove bolt and associated hardware (Figure 5).
7. Remove travel lever and lever shaft and discard. Remove and keep the collar next to the lever shaft (Figure 6).

Figure 6. Travel Lever and Lever Shaft Removal

8. Install the new travel lever, making sure it is in the STOP position (Figure 7).

9. Install the new lever shaft, with the collar in its original position (Figure 7).

10. Push in new lever shaft and first tighten nut in place with a wrench until snug, then secure with flat and lock washers and nut. Apply Loctite 243 and torque nut to 48.05 Nm (490 kgf-cm). See Figure 8.
11. Attach the rod end to the lever shaft. Reinstall and tighten the bolt and washers with a 10 mm wrench and torque to 16.7 Nm (170 kgf-cm). See Figure 9.

**ATTACH ROD END WITH BOLT AND WASHERS**

![Figure 9. Reinstalling Rod End](image)

12. Slide down new lever cover until it covers the rounded portion of the travel lever snugly.

13. Reinstall knob on travel lever and turn clockwise to tighten.

**INSTALLING FLEX TUBE**

1. Remove the 2 bolts with a 10 mm wrench from the T-connector between the 2 water hoses (Figure 10).

**REMOVE 2 BOLTS**

![Figure 10. Removal of T-Connector Bolts](image)

2. Detach the T-connector from the engine guard.

3. Remove 3 bolts from the engine guard with a 17 mm socket and remove engine guard (Figure 11).

**REMOVE 3 BOLTS FROM ENGINE GUARD**

![Figure 11. Engine Guard Removal](image)
4. Install flex tube over cables, making sure they are completely covered (Figure 12).

5. Position the open end of the flex tube down towards ground to prevent any accumulation of water in the tube.

6. Attach three clamps to secure the flex tube.

7. Reattach the engine guard. Apply Loctite 243 to the 3 bolts and tighten with a torque of 49.03 Nm (500 kgf cm).

8. Reattach the T-connector to the engine guard. Apply Loctite 243 to the 2 bolts and tighten with a torque of 11.78 Nm (120 kgf cm).
HERE’S HOW TO GET HELP
PLEASE HAVE THE MODEL AND SERIAL NUMBER ON-HAND WHEN CALLING

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