Cover Plate Replacement Instructions

Cover Plate Kit (ARMORCPK)

All kits include hardware

- Keep hands away from throat of operating fifth wheel
- Wear Personal Protective Equipment (PPE)
- Make sure the wheel is disarmed before maintenance
- Follow all instructions
- Read operating manual before use
- Use proper procedures
- Use proper tools

Warning!

Cover Plate Kit

Part # ARMORCPK

Standard Repair Time: 30 Minutes

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Cover plate</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

See video at fifthwheel.com/maintenance/
Choose “Cover Plate Replacement”

Tools Required

- Crowbar
- Pliers
- 3/4” deep well socket with 2” extension
- 9/16” socket
- 11/16” socket
- 1/4” allen wrench
- Kingpin tool

Personal Protective Equipment

- Safety glasses
- Work gloves
- Steel toe boots

For instructional video scan or go to fifthwheel.com/maintenance/

fifthwheel.com • 800.874.9780

All kits include hardware
Disassembly

Warning!

Important Note: A typical reason why a cover plate would need to be replaced is damage caused by excessive vertical load. Therefore a detailed inspection (checking for cracks, bent components, etc.) should take place prior to performing the following repair to ensure the fifth wheel is suitable for use.

1. Trip the wheel closed using a crowbar. **NEVER use hands to trip an activated fifth wheel.**

   Hint: A fifth wheel is closed when the locking jaw is completely across the throat of the fifth wheel.

2. Raise the yard truck boom for easy access, then remove the air hose from the air cylinder quick release valve.

   See video at fifthwheel.com/maintenance/
   Choose “Cover Plate Replacement”

3. Remove two spring tension by removing the cotter pin with pliers. Then remove the two spring tensioner nuts. **Hint:** You can place a screwdriver in the main spring loop to prevent spring from rotating when unbolting nuts (see video).

4. Tilt the top plate down to access the two front bolts from the opposite side of the top plate. Remove the eight wear plate nuts and washers. Note all eight nut locations in photo.

Warning: If you need help with parts identification see pages 6-8.

All kits include hardware
Disassembly

5. Remove both wear plates.

6. Tilt wheel down in rear to access secondary lock. Pull the secondary lock to open the fifth wheel.

7. Notice locking jaw is now visible because wear plate is off and fifth wheel is in open position.

8. Remove both cover plate nuts. Push up cover plate to access the two cover plate nuts.

Remove cover plate from below.

Pull the locking jaw out of the top surface of the wheel.

All kits include hardware
Assembly

1. Install lock washers before installing cover plate.

2. Make sure cover plate is orientate properly with the angled side pointing towards you.

3. Position the jaw pin into the slot of the operating handle.

4. Trip the trigger off the stationary jaw stop. It pushes in.

5. Close the fifth wheel by pulling the main spring.

All kits include hardware

See video at fifthwheel.com/maintenance/
Choose “Cover Plate Replacement”
Assembly

6. Install both wear plates.

7. Install the eight wear plate nuts and washers. You can tilt fifth wheel up and down for easy access. Note all bolt locations in photo.

8. Insert the spring tensioner through the hole. Install the TWO spring tensioner nuts. Hint: You can place a screwdriver in the main spring loop to prevent spring from rotating when bolting on nuts (see video).

9. Install the cotter pin.

10. Connect the air hose to the air cylinder quick release valve.

11. Tilt the fifth wheel down and lower the yard truck boom. Test the wheel using the Fontaine kingpin tool (ARMORKPK) by frequently opening and closing the fifth wheel (see video).

Test Kingpin Tool
Part # ARMORKPK

All kits include hardware
Part Identification

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity Included in kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wear plate</td>
<td>2 ARMORWPK</td>
</tr>
<tr>
<td>2</td>
<td>Knockout rod</td>
<td>1 ARMORKRK</td>
</tr>
<tr>
<td>3</td>
<td>Knockout rod clip</td>
<td>1 ARMORKRK</td>
</tr>
<tr>
<td>4</td>
<td>Knockout rod spring</td>
<td>1 ARMORKRK</td>
</tr>
<tr>
<td>5</td>
<td>Knockout rod nut</td>
<td>1 ARMORKRK</td>
</tr>
<tr>
<td>6</td>
<td>Stationary jaw</td>
<td>1 ARMORSJK, ARMORLAK</td>
</tr>
<tr>
<td>7</td>
<td>Locking jaw</td>
<td>1 ARMORJRK, ARMORLAK</td>
</tr>
<tr>
<td>8</td>
<td>Torsion spring</td>
<td>1 ARMORTAK, ARMORLAK, ARMORSRK</td>
</tr>
<tr>
<td>9</td>
<td>Trigger</td>
<td>1 ARMORTAK, ARMORLAK</td>
</tr>
<tr>
<td>10</td>
<td>Secondary lock</td>
<td>1 ARMORTAK, ARMORLAK</td>
</tr>
<tr>
<td>11</td>
<td>Operating handle</td>
<td>1 ARMORTAK, ARMORLAK</td>
</tr>
<tr>
<td>12</td>
<td>Main spring</td>
<td>1 ARMORTAK, ARMORLAK, ARMORSRK</td>
</tr>
<tr>
<td>13</td>
<td>Spring tensioner</td>
<td>1 ARMORTAK, ARMORLAK, ARMORSRK</td>
</tr>
<tr>
<td>14</td>
<td>Air Cylinder</td>
<td>1 ARMORACK</td>
</tr>
<tr>
<td>15</td>
<td>3-way air valve</td>
<td>1 ARMORACK</td>
</tr>
<tr>
<td>16</td>
<td>Cover plate</td>
<td>1 ARMORTAK, ARMORLAK, ARMORCPK</td>
</tr>
</tbody>
</table>

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Part Identification – Bottom View

- Three way air valve
- Air Cylinder
- Main Spring
- Stationary Jaw
- Trigger
- Tertiary lock (for use outside private yard)
- Manual Override Pull Handle Hole. Also used for tertiary locking.
- Secondary Lock
- Cover Plate
- Secondary Lock
- Torsion Spring
- Operating Handle
- Wear Plate
- Serial Number (Behind air cylinder)
- Knockout rod
- Knockout rod nut
- Locking Jaw
- Trigger
- Locking Jaw
- Torsion Spring
- Operating Handle
- Wear Plate

28th fifth wheel manufactured in September, 2014

Example serial number 09140028
Wear Plates (removable for easy maintenance)

Air cylinder bolt access (under wear plate)

Locking jaw access (under wear plate). Locking jaw slides in for easy maintenance.

Stationary Jaw

Locking Jaw

Knockout rod access (under wear plate). Slot for easy knockout rod maintenance.