Wear Plate Replacement Instructions

Wear Plate Kit (ARMORWPK)

Tools Required

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crowbar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pliers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4” deep well socket with 2” extension</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/16” socket</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kingpin tool</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Personal Protective Equipment

- Safety glasses
- Work gloves
- Steel toe boots

Warning!

- 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

Standard Repair Time: 15 Minutes

Wear Plate Kit
Part # ARMORWPK

Wear Plate Kit Video available at: fifthwheel.com/armor
Choose “Training” then “Wear Plate Replacement”

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

Item Description Quantity
(1) Wear plate 2

Wear Plates

All kits include hardware
Disassembly

Hint: If you need help with parts identification see pages 4-6.

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

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

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.

5. Remove both wear plates.

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

1. Install both wear plates. Apply grease to top surface.

2. 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.

3. 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).

4. Install the cotter pin.

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

6. 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

See video at fifthwheel.com/maintenance/
Choose “Wear Plate Replacement”
# Part Identification

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

Example serial number 09140028

28th fifth wheel manufactured in September, 2014
Part Identification – Top View

- Wear Plates (removable for easy maintenance)
- Locking jaw access (under wear plate). Locking jaw slides in for easy maintenance.
- Air cylinder bolt access (under wear plate)
- Knockout rod access (under wear plate). Slot for easy knockout rod maintenance.
- Stationary Jaw
- Locking Jaw