Stationary Jaw Replacement Instructions

Stationary Jaw Replacement Kit (ARMORSJK)

- 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!

Stationary Jaw Kit

Part # ARMORSJK

Standard Repair Time: 1 Hour

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stationary jaw</td>
<td>1</td>
</tr>
</tbody>
</table>

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

Stationary Jaw Replacement Video available at: fifthwheel.com/armor/
Choose “Training” then “Stationary Jaw Replacement”

All kits include hardware
Disassembly

Hint: If you need help with parts identification see pages 8-10.

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

   ![Trip the wheel closed using a crowbar.](image)

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

2. Air Cylinder Quick Release Valve

   ![Air Cylinder Quick Release Valve](image)

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

3. Spring Tensioner Nuts (2)

   ![Spring Tensioner Nuts](image)

   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. Wear Plate Bolts (8 total)

   ![Wear Plate Bolts](image)

   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.

See video at fifthwheel.com/maintenance/
Choose “Stationary Jaw Replacement”

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.

9. Un screw knockout rod until it clears the stationary jaw.

All kits include hardware

See video at fifthwheel.com/maintenance/
Choose “Stationary Jaw Replacement”
Unfasten the four stationary jaw nuts starting with the two rear nuts toward the toes.

Helpful hint: Keep the bolt from turning using a 1/4" allen wrench from below.

Remove stationary jaw.
Assembly

1. Install stationary jaw.

2. Turn in the knockout rod all the way until it bottoms out.

3. Install lock washers before installing cover plate.

4. Fasten the two cover plate nuts and bolts.

Helpful hint: Keep the bolt from turning using a 1/4" allen wrench from below.

All kits include hardware.
Assembly

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

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

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

8. Install both wear plates.

9. 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.

10. 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).

All kits include hardware

See video at fifthwheel.com/maintenance/
Choose “Stationary Jaw Replacement”
Assembly

11
Install the cotter pin.

13
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).

12
Connect the air hose to the air cylinder quick release valve.

Test Kingpin Tool
Part # ARMORKPK

All kits include hardware

See video at fifthwheel.com/maintenance/
Choose “Stationary Jaw 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>
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<tr>
<td>7</td>
<td>Locking jaw</td>
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<td>ARMORJRK, ARMORLAK</td>
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<tr>
<td>8</td>
<td>Torsion spring</td>
<td>1</td>
<td>ARMORTAK, ARMORLAK, ARMORSRK</td>
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<tr>
<td>9</td>
<td>Trigger</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>
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<tr>
<td>12</td>
<td>Main spring</td>
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<tr>
<td>13</td>
<td>Spring tensioner</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>

All kits include hardware.
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
- Manual Override Pull Handle Hole. Also used for tertiary locking.
- Operating Handle
- Wear Plate
- Serial Number (Behind air cylinder)
- Knockout rod
- Knockout rod nut
- Cover Plate
- Locking Jaw
- Torsion Spring
- Trigger
- Locking Jaw
- (Behind air cylinder)
- 28th fifth wheel manufactured in September, 2014

Example serial number 09140028

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Part Identification – Top View

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