Part Identification & Kit Schematics

This document will help you identify parts and also provide a visual guide to installation of the various kits Fontaine Parts Connection offers for easy maintenance.

### Fontaine Armor™ Repair Kits

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stationary Jaw Kit</td>
<td>ARMORSJK</td>
<td>2</td>
</tr>
<tr>
<td>Jaw Replacement Kit</td>
<td>ARMORJRK</td>
<td>2</td>
</tr>
<tr>
<td>Trigger Assembly Kit</td>
<td>ARMORTAK</td>
<td>3</td>
</tr>
<tr>
<td>Lock Assembly Kit</td>
<td>ARMORLAK</td>
<td>4</td>
</tr>
<tr>
<td>Knockout Rod Kit</td>
<td>ARMORKRK</td>
<td>5</td>
</tr>
<tr>
<td>Spring Kit</td>
<td>ARMORSRK</td>
<td>5</td>
</tr>
<tr>
<td>Air Cylinder Kit</td>
<td>ARMORACK</td>
<td>6</td>
</tr>
<tr>
<td>Cover Plate Kit</td>
<td>ARMORCPK</td>
<td>6</td>
</tr>
<tr>
<td>Pin and Bushing Kit</td>
<td>ARMORPBK</td>
<td>7</td>
</tr>
<tr>
<td>Wear Plate Kit</td>
<td>ARMORWPK</td>
<td>8</td>
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</tbody>
</table>

### Part Identification

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity Included in kit</th>
</tr>
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<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>

### 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

All kits include hardware
Stationary Jaw Kit (ARMORSJK)

Jaw Replacement Kit (ARMORJRK)

<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

Standard Repair Time: 1 Hour

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Locking jaw</td>
<td>1</td>
</tr>
</tbody>
</table>

Tools Required
- Crowbar
- Pliers
- 3/4" deep well socket with 2" extension
- 11/16" socket
- Kingpin tool

Personal Protective Equipment
- Safety glasses
- Work gloves
- Steel toe boots

Standard Repair Time: 15 Minutes

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

Part #: ARMORTAK

Standard Repair Time: 
45 Minutes

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Torsion spring</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Trigger</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Secondary lock</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Operating handle</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Main spring</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Spring tensioner</td>
<td>1</td>
</tr>
</tbody>
</table>

All parts are pre-assembled in trigger assembly kit.

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 go to fifthwheel.com/maintenance/ 
Choose “Trigger Assembly Replacement”

See video at fifthwheel.com/maintenance/

For instructional video go to fifthwheel.com/maintenance/
# Lock Assembly Kit (ARMORLAK)

## Part # ARMORLAK

### 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>
<tr>
<td>2</td>
<td>Locking jaw</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Torsion spring</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Trigger</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Secondary lock</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Operating handle</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Main spring</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Spring tensioner</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Cover plate</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

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

All kits include hardware
Knockout Rod Kit (ARMORKRK)

Spring Kit (ARMORSRK)

Knockout Rod Kit
Part # ARMORKRK
Standard Repair Time: 30 Minutes

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Knockout rod</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Knockout rod clip</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Knockout rod spring</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Knockout rod nut</td>
<td>1</td>
</tr>
</tbody>
</table>

Tools Required:
- Crowbar
- Pliers
- 3/4" deep well socket with 2" extension
- 11/16" socket
- Kingpin tool

Personal Protective Equipment:
- Safety glasses
- Work gloves
- Steel toe boots

See video at fifthwheel.com/maintenance/
Choose “Knockout Rod Replacement”

Spring Kit
Part # ARMORSRK
Standard Repair Time: 1 Hour

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Torsion spring</td>
<td>1</td>
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<tr>
<td>6</td>
<td>Spring tensioner</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Main spring</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

See video at fifthwheel.com/maintenance/
Choose “Spring Kit Replacement”

All kits include hardware

For instructional video go to
fifthwheel.com/maintenance/
Air Cylinder Kit (AMORACK)  
Cover Plate Kit (ARMORCPK)

### Air Cylinder Kit
**Part #** ARMORACK  
**Standard Repair Time:** 30 Minutes

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Air cylinder</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>3-way air valve</td>
<td>1</td>
</tr>
</tbody>
</table>

See video at fifthwheel.com/maintenance/ Choose “Air Cylinder 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

### 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>66</td>
<td>Cover plate</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

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For instructional video go to fifthwheel.com/maintenance/

fifthwheel.com • 800.874.9780

All kits include hardware
Pin and Bushing Kit (ARMORPBK)

Part # ARMORPBK

Standard Repair Time:
30 Minutes

Pin and bushings not shown in illustration.
See video at fifthwheel.com/maintenance/
Choose “Pin and Bushing Replacement”

Tools Required
- Crowbar
- Pliers
- 9/16” socket
- Kingpin tool

Personal Protective Equipment
- Safety glasses
- Work gloves
- Steel toe boots

Bracket Pins
Bushings

For instructional video go to fifthwheel.com/maintenance/
fifthwheel.com • 800.874.9780

All kits include hardware
Wear Plate Kit (ARMORWPK)

Wear Plate Kit
Part # ARMORWPK

Standard Repair Time:
15 Minutes

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wear plate</td>
<td>2</td>
</tr>
</tbody>
</table>

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

Tools Required
- Crowbar
- Pliers
- 3/4” deep well socket with 2” extension
- 11/16” socket
- Kingpin tool

Personal Protective Equipment
- Safety glasses
- Work gloves
- Steel toe boots

Once a wear plate is removed you have easy access to the locking jaw, knockout rod, and air cylinder connection.

For instructional video go to fifthwheel.com/maintenance/

fifthwheel.com • 800.874.9780

All kits include hardware
Grease Zerk Locations

1/8" NPT zerks can be purchased from industrial supplier. See zerk locations for proper fifth wheel lubrication.
Part Identification – Bottom View

- 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
- Three way air valve
- Knockout rod nut
- Cover Plate
- Locking Jaw
- Torsion Spring
- Operating Handle
- Wear Plate

Serial Number (Behind air cylinder)

Month Year

Sequence of Month Above

28th fifth wheel manufactured in September, 2014

Example serial number 09140028
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.