Jaw Replacement Instructions

Jaw Replacement Kit (ARMORJRK)

Item Description | Quantity | Tools Required |
---|---|---|
2 Locking jaw | 1 | 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 “Jaw Replacement”

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

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

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

All kits include hardware
Disassembly

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

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

   ![Locking Jaw in Closed Position]

   **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.

   ![Air Cylinder Quick Release Valve]

3. Remove 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).

   ![Cotter Pin and Spring Tensioner Nuts (2)]

   **This deactivates the fifth wheel and allows the user to perform maintenance.**

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

   ![Wear Plate Bolts (4 total)]

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

All kits include hardware
Disassembly

5. Remove left wear plate.

6. 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.

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

All kits include hardware

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

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

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

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

4. Install the left wear plate.

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

6. 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 “Jaw Replacement”
Assembly

Install the cotter pin.

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

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

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

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
- Serial Number (Behind air cylinder)
- Knockout rod
- Knockout rod nut
- Cover Plate
- Locking Jaw
- Torsion Spring
- Operating Handle
- Wear Plate

Serial Number: 09140028

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.**
- **Air cylinder bolt access (under wear plate)**
- **Stationary Jaw**
- **Locking Jaw**
- **Knockout rod access (under wear plate). Slot for easy knockout rod maintenance.**