

ARMOR

THE ONLY FIFTH WHEEL DESIGNED SPECIFICALLY FOR YARD TRUCKS

Faster repairs • Greater uptime • Lowest total cost of ownership

Wear Plate Replacement Instructions

Wear Plate Kit (ARMORWPK)



Wear Plate Kit

Part # **ARMORWPK**

Standard Repair Time:

15 Minutes



Wear Plate Kit Video available at:
fifthwheel.com/armor

Choose "Training" then "Wear Plate Replacement"

Item	Description	Quantity
①	Wear plate	2

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



Wear Plates

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



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



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



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PARTS CONNECTION

fifthwheel.com • 800.874.9780

All kits include hardware

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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.**



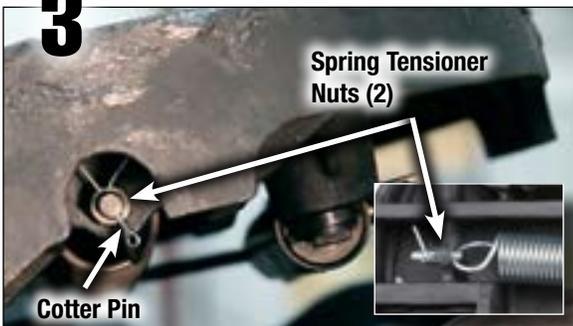
Hint: A fifth wheel is closed when the locking jaw is completely across the throat of the fifth wheel.

2



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

3

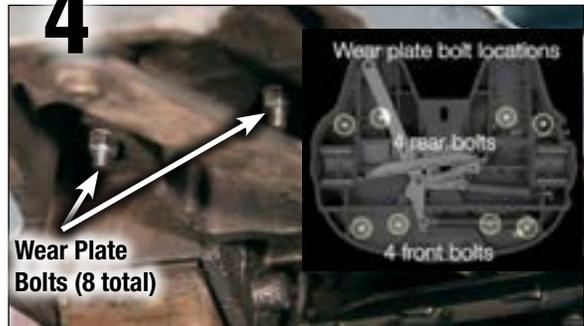


Remove two spring tension by removing the cotter pin with pliers. Then remove the two spring tensioner nuts. **Hint:** You can place a screwdriver in the main spring loop to prevent spring from rotating when unbolting nuts (see video).



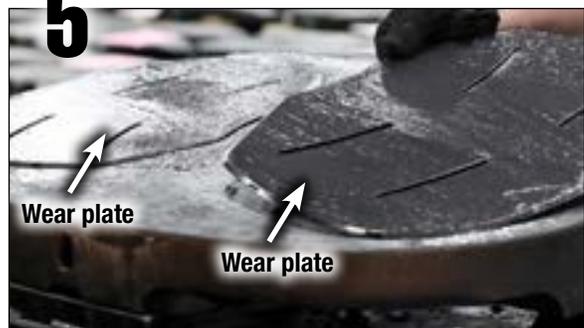
This deactivates the fifth wheel and allows the user to perform maintenance.

4



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

5



Remove both wear plates.

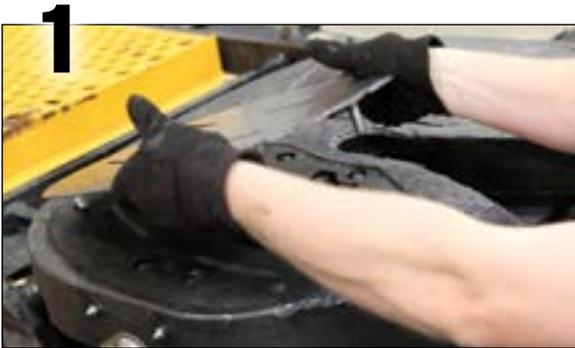
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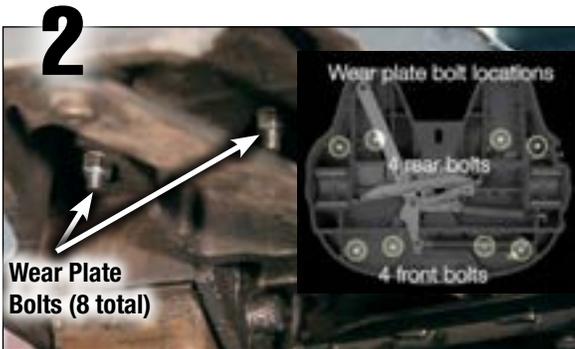
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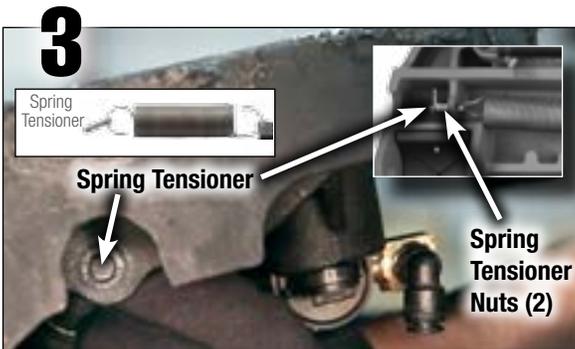
Assembly



Install both wear plates. Apply grease to top surface.

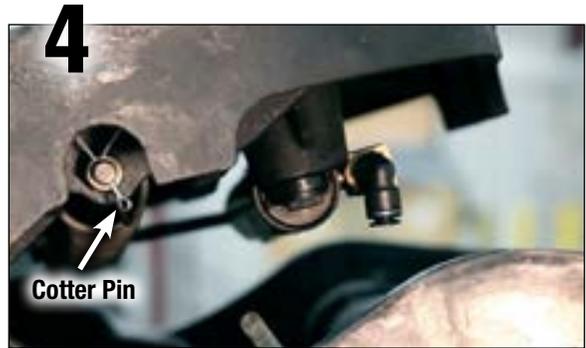


Install the eight wear plate nuts and washers. You can tilt fifth wheel up and down for easy access. Note all bolt locations in photo.



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).



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**



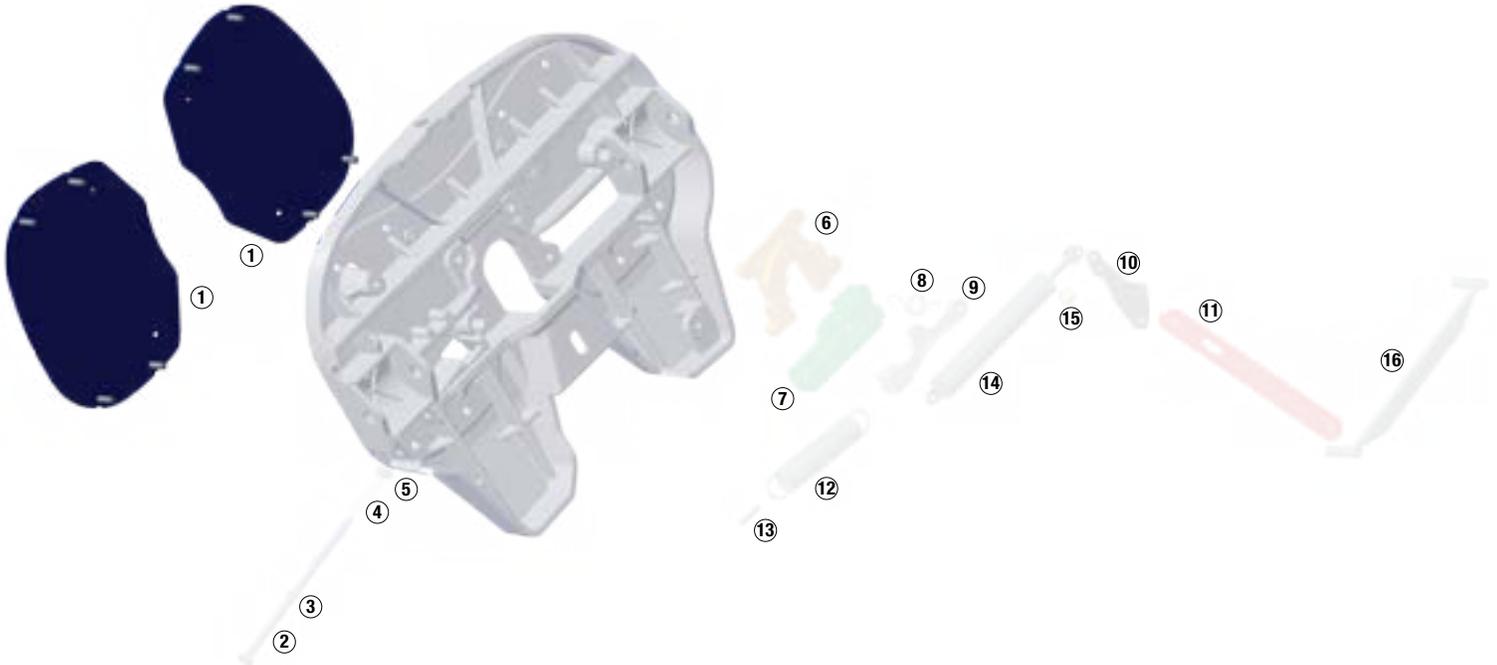
Test Kingpin Tool

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Part Identification



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



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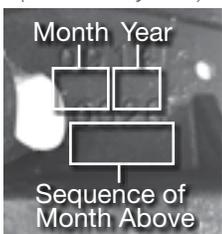
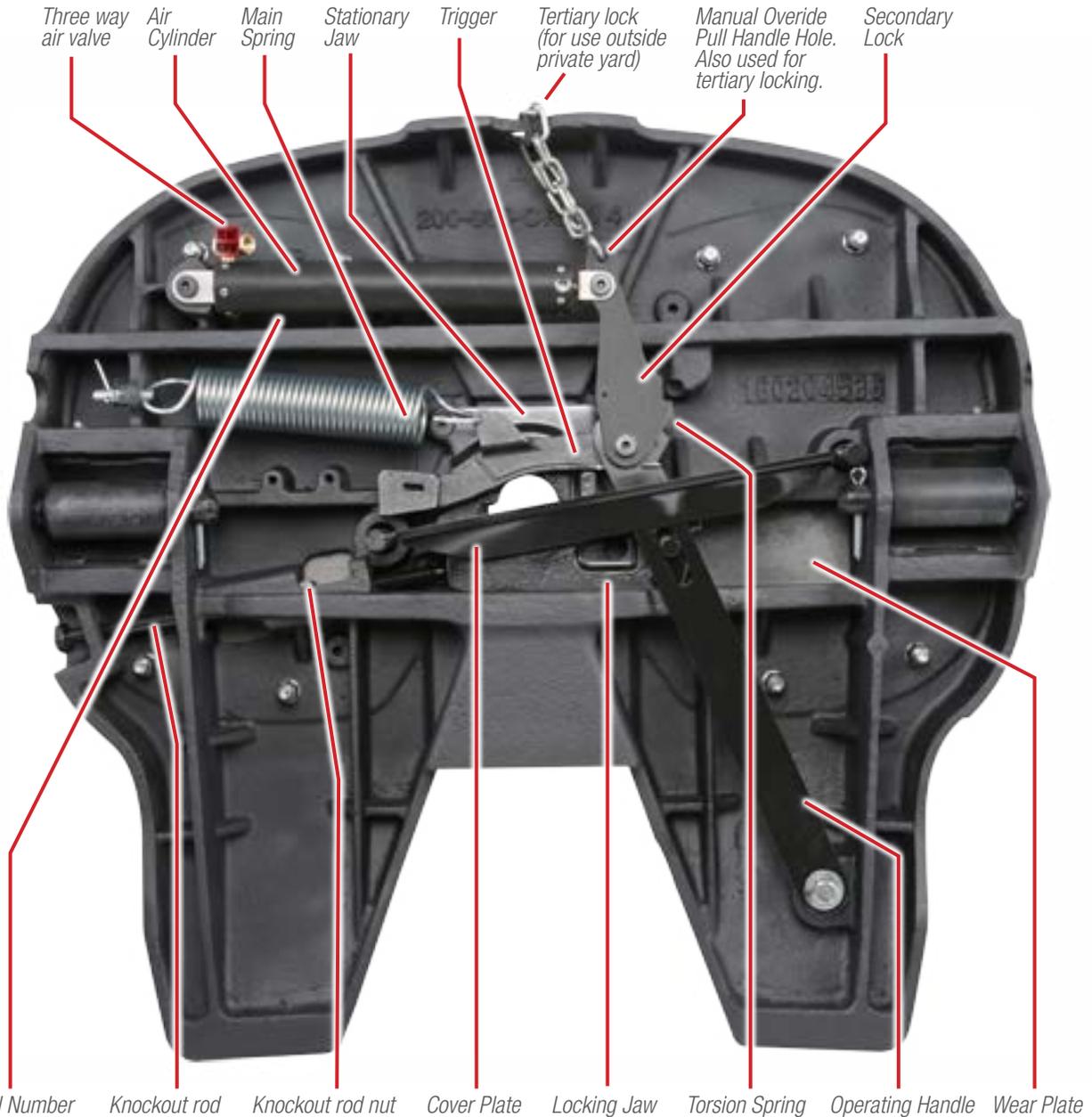
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Part Identification – Bottom View



28th fifth wheel
manufactured in
September, 2014



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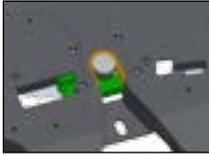
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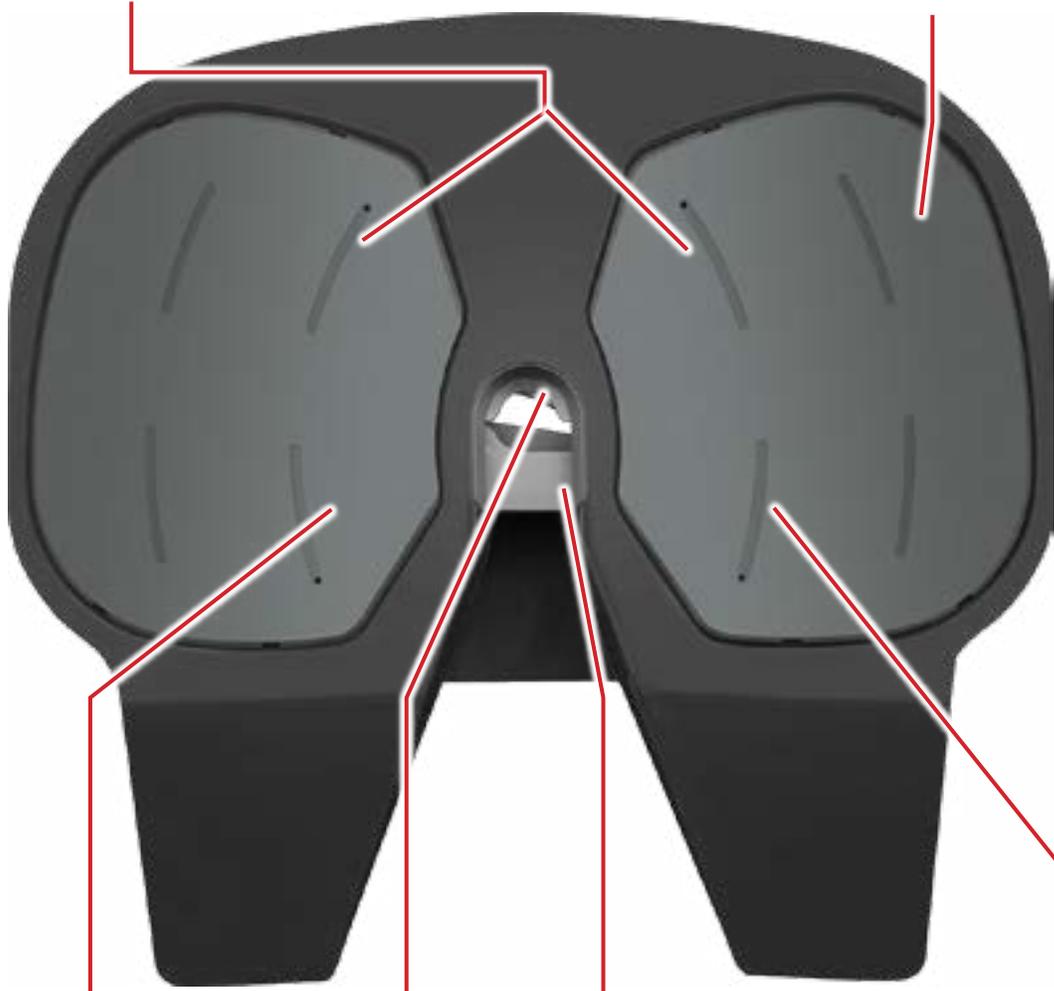
Part Identification – Top View



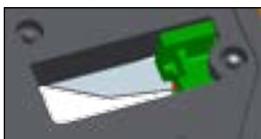
Wear Plates (removable for easy maintenance)



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.



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