

Fontaine Fifth Wheel No-Slack® Rebuild Instructions

FOR YOUR SAFETY USE ONLY GENUINE FONTAINE SERVICE PARTS. USING PARTS THAT DO NOT MEET FONTAINE SPECIFICATIONS WILL VOID WARRANTY.

Disassembly and Assembly Instructions NO-SLACK 5092 SERIES

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For video instructions, scan or go to fifthwheel.com click Fontaine PartsConnection and search "rebuild video."



Part number: **KIT-RX-5092L**

Kit does not include bracket pins or bushings. We recommend our major rebuild kit. Seven kits in one, saves you time and money.



CONNECT YOUR BUSINESS WITH FONTAINE®

NO-SLACK® 5092 SERIES DISASSEMBLY

For Standard, Heavy Duty and Extra Heavy Duty 5092 Series Fifth Wheels

Refer to exploded view of assembly on page 4 to identify item numbers and parts.



Remove bumper spring

Step 1: Set the fifth wheel in a locked position (handle pushed in). Unhook the bumper spring from the bumper tang and the tab on the side of the fifth wheel substructure. Remove the bumper spring.



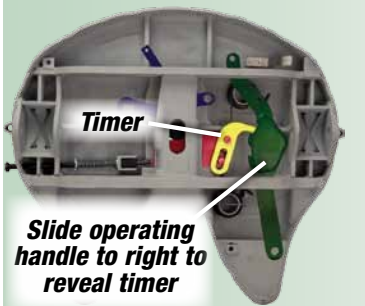
Remove cotter pin and slide handle

Step 2: Remove the cotter pin and washer that holds the pull handle to the operating handle. Slide the pull handle out through the side of the fifth wheel.



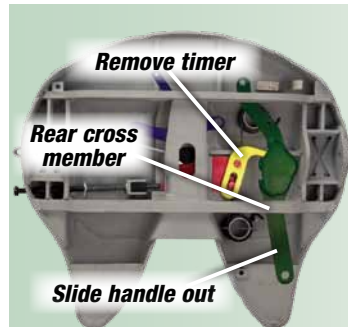
Remove bolts

Step 3: Remove the two bolts on the operating handle. Each bolt has a nut, washer and bushing. Discard the bushings and lock nuts.



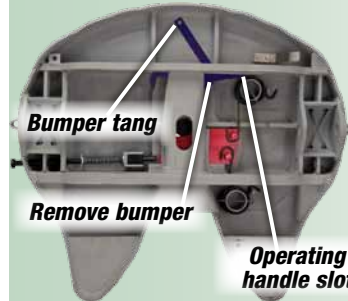
Slide operating handle to right to reveal timer

Step 4: Slide the operating handle over to the side of the fifth wheel. Slide the bottom part first. This will allow the underside of the handle to clear the jaw and wedge studs and timer.



Remove timer
Rear cross member
Slide handle out

Step 5: Remove the timer by lifting upward. Then slide the operating handle out through the slot in the rear cross member of the fifth wheel.



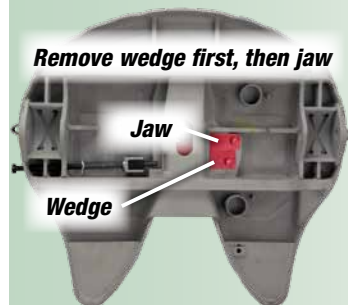
Bumper tang
Remove bumper
Operating handle slot

Step 6: Slide the bumper toward the operating handle slot and to the rear of the fifth wheel until the bumper tang clears the operating handle slot and remove.



Remove cotter pins
Use spring tool for wedge spring
Pry spring from studs

Step 7: CAUTION! The wedge spring is under extreme tension. Always wear safety glasses. Do not stand directly over the springs while disassembling or assembling wheel. Remove and discard the cotter pins from the jaw and wedge spring boss. Pry the small tail of the springs up over the jaw and wedge studs. Remove and discard both springs.



Remove wedge first, then jaw
Jaw
Wedge

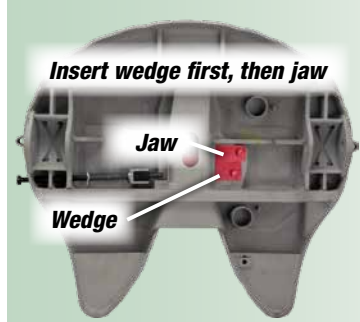
Step 8: Remove the wedge first and then the jaw. Discard the jaw and wedge.

Always wear safety glasses.
Do not stand directly over the springs while disassembling or assembling wheel.
Degrease fifth wheel before installing new parts.

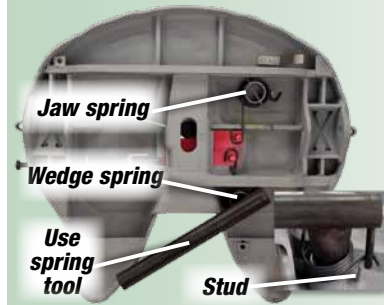
NO-SLACK® 5092 SERIES ASSEMBLY

NO-SLACK® ASSEMBLY

Before rebuilding the assembly, check to make sure that there are no cracks in the cross members or other components. Also check bracket pin holes to ensure they are not worn oversize (pins should fit snugly). Under no circumstances should a fifth wheel be repaired or used if any component (cross member, saddle bearing, etc.) is cracked. Note: Fontaine suggests the use of a moly-based lubricant such as Mobilgrease Mobilgrease XHP320 or equivalent when applying lubricant to the locking jaw and wedge. Lightly oil other moving parts in the fifth wheel.



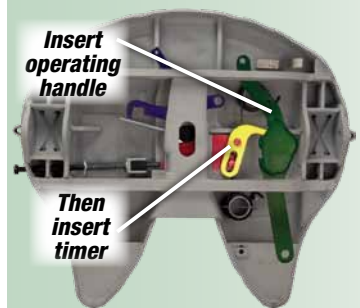
Step 1: Always assemble parts around a 2" kingpin or a shaft with a 2" diameter. Insert new jaw first and then the new wedge below it. Grease the jaw and wedge on top and bottom. Also apply grease to the stationary jaw in the throat of the fifth wheel.



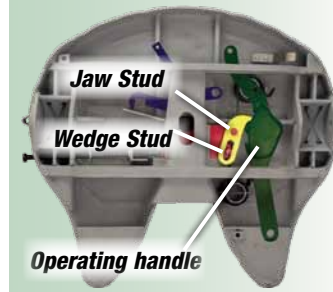
Step 2: Insert the new wedge spring through the slot in the rear cross member and lay the coil over the spring boss. Using a spring tool, engage the small hooked tail of the wedge spring and wind it around until it is directly over the small stud at the back of the bracket. Using a hammer, nudge the spring downward allowing it to catch on the stud. Insert the new cotter pin. Repeat these steps to replace the jaw spring. **Note: the jaw spring has minimal tension and can carefully be replaced by hand.**



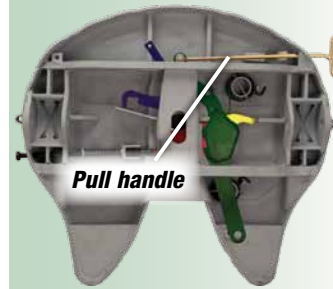
Step 3: Place the bumper back in position, sliding bumper tang through the operating handle guide slot and toward the tab on the side of the fifth wheel substructure.



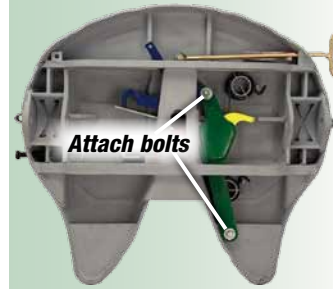
Step 4: Apply a liberal amount of grease to the grooved middle section of the operating handle. Insert the operating handle and move it over to the side of the wheel. Insert timer over the jaw and wedge studs. The small hole on the timer fits over the jaw stud and the slotted hole fits over the wedge stud. Be certain the small bent arm of the timer is facing downward.



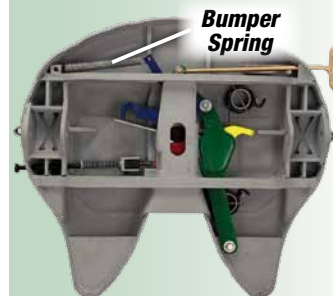
Step 5: Slide operating handle toward the center of wheel to engage handle with studs on the jaw and wedge. Slide the top part first. This will ensure that the grooves on the operating handle are aligned with the studs.



Step 6: Insert the pull handle through the fifth wheel skirt. Using the cotter pin and washer, fasten it to the top hole of the operating handle.



Step 7: Align the bumper hole with the operating handle hole. Replace the bolts on the operating handle. The bolt which fastens the operating handle to the bumper must be inserted with the threads facing toward you to prevent interference with the jaw spring (#20). The other bolt should be positioned with the threads facing downward (#30). Each bolt has a washer and a new nut and bushing. Apply grease to the bolt parts where there is metal to metal contact with the operating handle. Do not over tighten bolts. Lubricate all pivot points.



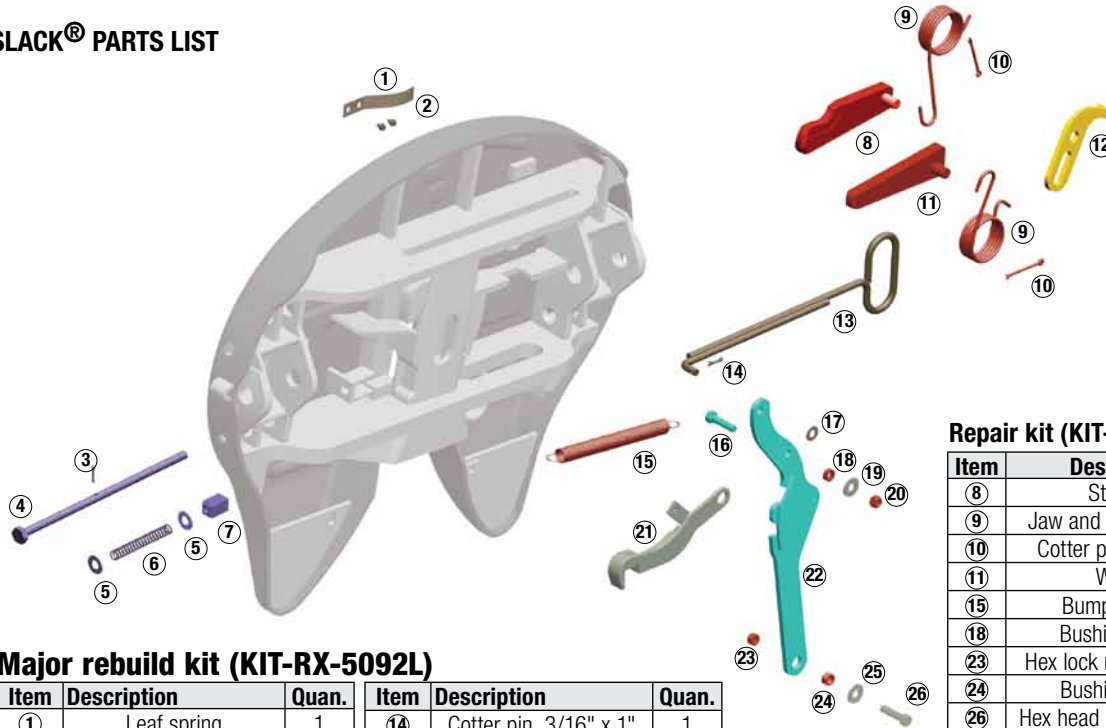
Step 8: Connect the bumper spring to its clasp. Apply grease to the bracket pockets and to the grease fittings on the side of the fifth wheel until grease flows into upper brackets. Also apply a liberal amount of grease to the top plate.



Step 9: Adjust wedge stop rod: close the fifth wheel several times with a standard 2" kingpin tool. With the lock closed, adjust the wedge-stop rod so that the end is 1/4" from the wedge.

NO-SLACK® 5092 SCHEMATIC

NO-SLACK® PARTS LIST



Major rebuild kit (KIT-RX-5092L)

Item	Description	Quan.
①	Leaf spring	1
②	Self tapping screw	2
③	Cotter pin, 3/16" x 1"	1
④	Wedge-stop rod	1
⑤	Flat washer, 5/8" I.D.	2
⑥	Wedge-stop rod spring	1
⑦	Wedge-stop rod nut	1
⑧	Step jaw	1
⑨	Jaw or wedge spring	2
⑩	Cotter pin, 1/4" x 3"	2
⑪	Wedge	1
⑫	Timer	1
⑬	Pull handle	1

Item	Description	Quan.
⑭	Cotter pin, 3/16" x 1"	1
⑮	Bumper spring	1
⑯	Hex head bolt, 1/2" - 13	1
⑰	Flat washer, 1/2" I.D.	1
⑱	Bushing 5/16"	1
⑲	Flat washer, 1/2" I.D.	1
⑳	Hex lock nut, 1/2" - 13	1
㉑	Bumper	1
㉒	Operating handle	1
㉓	Hex lock nut, 1/2" - 13	1
㉔	Bushing 7/16"	1
㉕	Flat washer, 1/2" I.D.	1
㉖	Hex head bolt, 1/2" - 13	1

Bumper kit (KIT-BPR-5092L or R)

Item	Description	Quan.
⑧	Step jaw	1
⑨	Jaw and wedge spring	2
⑩	Cotter pin, 1/4" x 3"	2
⑪	Wedge	1
⑮	Bumper spring	1
⑱	Bushing, 5/16"	1
㉓	Hex lock nut, 1/2" - 13	1
㉔	Bushing, 7/16"	1
㉖	Hex head bolt, 1/2" - 13	1

Operating handle kit (OPR-5000SL or SR)

Item	Description	Quan.
⑯	Hex head bolt, 1/2" - 13	1
⑱	Bushing 5/16"	1
⑲	Flat washer, 1/2" I.D.	1
⑳	Hex lock nut, 1/2" - 13	1
㉒	Operating handle	1
㉓	Hex lock nut, 1/2" - 13	1
㉔	Bushing 7/16"	1
㉕	Flat washer, 1/2" I.D.	1
㉖	Hex head bolt, 1/2" - 13	1

Repair kit (KIT-RPR-5092L or R)

Item	Description	Quan.
⑧	Step jaw	1
⑨	Jaw and wedge spring	2
⑩	Cotter pin, 1/4" x 3"	2
⑪	Wedge	1
⑮	Bumper spring	1
⑱	Bushing, 5/16"	1
㉓	Hex lock nut, 1/2" - 13	1
㉔	Bushing, 7/16"	1
㉖	Hex head bolt, 1/2" - 13	1

Pull handle kit (KIT-PUL-5092)

Item	Description	Quan.
①	Leaf spring	1
②	Self tapping screw	2
⑬	Pull handle	1
⑭	Cotter pin, 3/16" x 1"	1
⑰	Flat washer, 1/2" I.D.	1

Timer kit (KIT-TMR-134L or R)

Item	Description	Quan.
⑫	Timer	1
⑱	Bushing 5/16"	1
⑳	Hex lock nut, 1/2" - 13	1
㉔	Bushing 7/16"	1

Wedge-stop rod kit (KIT-ROD-1108)

Item	Description	Quan.
③	Cotter pin, 3/16" x 1"	1
④	Wedge-stop rod	1
⑤	Flat washer, 5/8" I.D.	2
⑥	Wedge-stop rod spring	1
⑦	Wedge-stop rod nut	1



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