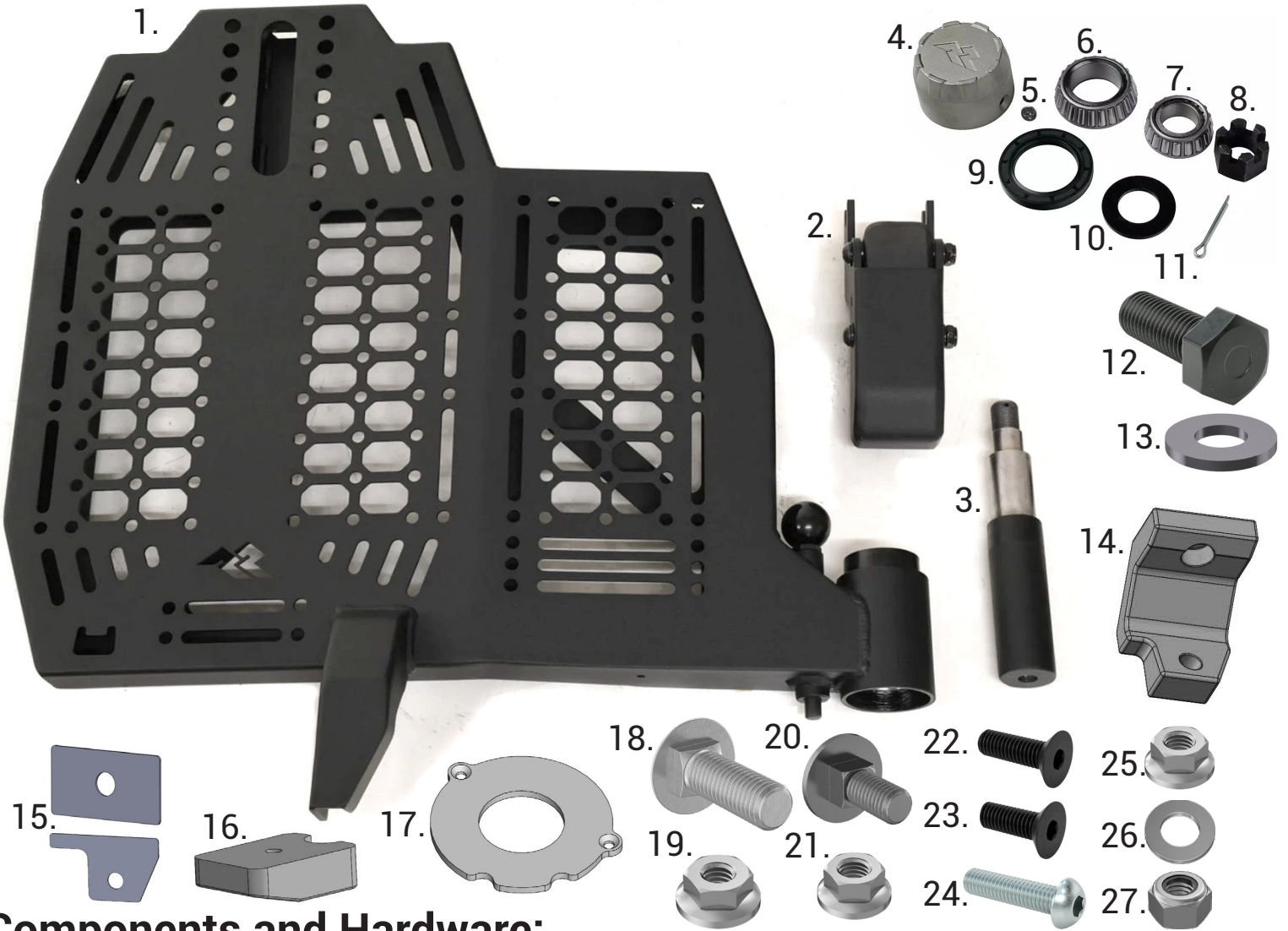


11540.41(pass.) or .44 (dr.)

Components and Hardware:



Components and Hardware:

1. Swingout.....	(1)	15. Bumper Shim.....	(4)
2. Latch.....	(1)	16. Guide Wedge	(1)
3. Spindle.....	(1)	17. Indent Stop Plate.....	(1)
4. Spindle Cap	(1)	18. M10 x 1.50mm 25mm, Carriage Bolt	(1)
5. Flat Head Screw (spindle cap).....	(1)	19. M10 x 1.50mm, Serrated Flange Nut	(1)
6. Large Hub Bearing	(1)	20. M8 x 1.25mm, 20mm, Carriage Bolt.....	(1)
7. Small Hub Bearing	(1)	21. M8 x 1.25mm, Serrated Flange Nut	(1)
8. Castle Nut (spindle)	(1)	22. M6 x 1.00mm 20mm, Flat Head Bolt.....	(2)
9. Hub Seal	(1)	23. M6 x 1.00mm 16mm, Flat Head Bolt.....	(1)
10. Spindle Washer	(1)	24. M6 x 1.00mm 25mm, Button Head Bolt.....	(2)
11. Cotter Pin.....	(1)	25. M6 x 1.00mm, Serrated Flange Nut	(2)
12. M18 x 2.50mm 50mm, Hex Head Bolt	(1)	26. M6 Flat Washer	(2)
13. M18 Flat Washer	(1)	27. M6 x 1.00mm, Nylon-lock Nut.....	(2)
14. Rubber Bumper	(1)		

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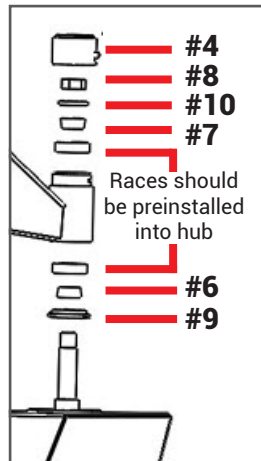
STEP 1:

To begin involves packing the bearings that will be installed in the swingout. Utilize a bearing packing tool for this task to ensure comprehensive grease coverage. If a bearing packing tool is not available, manual packing by hand is a viable alternative. Ensure to pack both the Large Hub Bearing (#6) and Small Hub Bearing (#7) bearings thoroughly during this step.



STEP 2:

Confirm that the races for the bearings are preinstalled. Take care to ensure that the races are fully seated in the hub. Proceed to install the Large Hub Bearing (#6) into the bottom of the hub race. Apply a thin coat of bearing grease to the race, and carefully drop the bearing into the race, ensuring proper alignment and seating.



STEP 3:

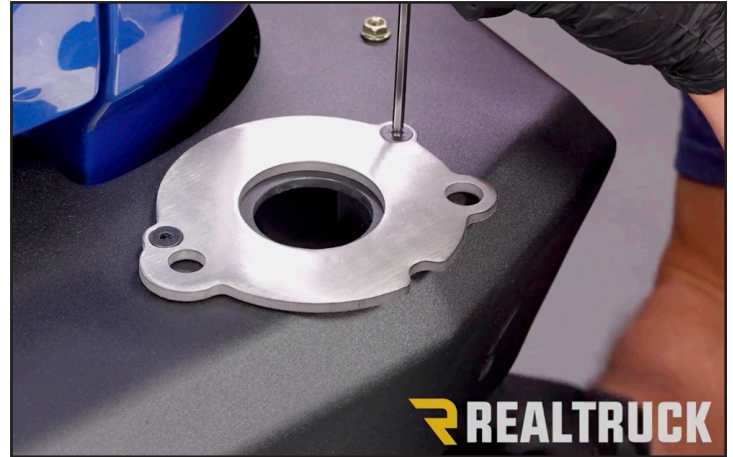
Install the Hub Seal (#9) to the bottom of the hub. Press the seal into the hub evenly, making sure it sits securely. If necessary, employ a large socket and gently tap it with a hammer to ensure an even and proper seating of the seal onto the bearing in the hub. This step is crucial for maintaining a secure and effective seal within the hub assembly.



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STEP 4:

Proceed to install the Indent Stop Plate (#17) onto the top face of the bumper. Utilize the two M6 Flat Head Bolts (#22), inserting them into the counter sink holes of the Indent Stop Plate (#17) through the corresponding holes on either side of the large spindle hole in the bumper. Inside the bumper, secure the bolts using M6 Serrated Flange Nuts (#25). This task may require a socket with a large extension to reach and properly tighten the bolts, ensuring a secure and stable attachment of the Indent Stop Plate (#17) to the bumper.



STEP 5:

Proceed to install the Spindle (#3) into the bumper. Take note that the spindle has a keyway at the base. Ensure that the flat edge of the keyway is facing forward during installation. As you insert the spindle, rotate it slightly to guarantee that the keyway is fully seated. You can confirm the engagement of the keyway when the spindle no longer rotates freely. This step ensures the proper alignment and secure placement of the spindle within the bumper assembly.



STEP 6:

Secure the spindle by attaching the large M18 Hex Head Bolt (#12). Thread the M18 bolt and M18 Flat Washer (#13) into the spindle from underneath the bumper. Use a 15/16" or 24mm wrench to tighten the bolt securely. It is strongly recommended to use locktight on this bolt to enhance stability. Ensure that the spindle fully seats into the bumper keyway during this process, guaranteeing a secure and properly aligned attachment.



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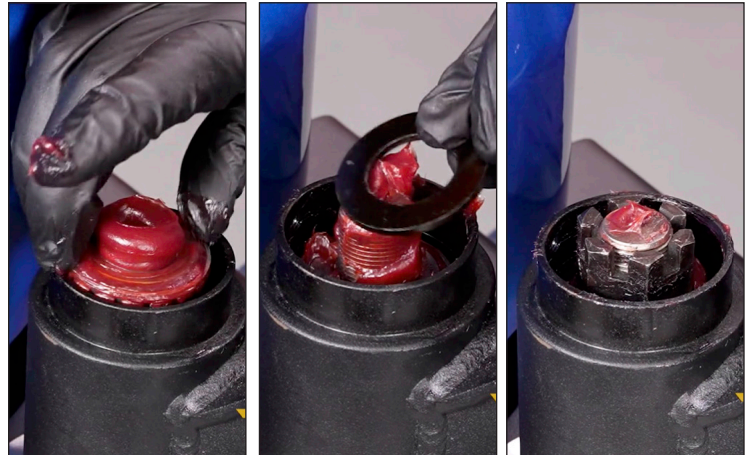
STEP 7:

Apply a thin coat of bearing grease to the spindle for lubrication. Subsequently, position the Swingout (#1) on the spindle by gently lowering it over. Exercise caution to avoid hitting the lower seal, ensuring a careful and damage-free placement. This step aims to facilitate smooth movement and proper alignment of the swingout on the spindle.



STEP 8:

At the top of the swingout hub, drop the Small Hub Bearing (#7) into the race previously installed in the hub. Lift and gently rock the swingout to ensure the bearing completely seats into the race. Following this, place the Spindle Washer (#10) over the spindle and then thread the Castle Nut (#8) onto the spindle. This sequence ensures the proper assembly of components at the top of the swingout hub, securing the small hub bearing and preparing for the final tightening with the castle nut.



STEP 9:

Fully tighten the Castle Nut (#8). While tightening, rock the swingout to ensure that all movement in the swingout is eliminated and that it is fully secured. Once tight, rotate the castle nut to align with the hole in the spindle and insert the cotter pin. Bend the ends of the cotter pin to lock it securely in place. This step completes the assembly, providing a stable and locked configuration for the swingout on the spindle. Flange Nut (16), only finger tight at this time.



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STEP 10:

Install the Spindle Cap (#4) to the top of the spindle hub. Utilize the Flat Head Screw (#5) to attach the cap securely. To enhance water resistance, you can apply a bead of RTV black silicone to the base of the cap where it meets with the hub. This additional step helps create a water-tight seal, providing protection to the spindle assembly against external elements.



STEP 11:

Proceed to install the Guide Wedge (#16) to the bumper. Insert the M6 Flat Washer (#26) and Nylon-lock Nut (#27) into the Guide Wedge (#16). Ensure that the notch of the guide wedge wraps around the pin in the bumper for proper alignment. On the top of the bumper, install the M6 Flat Head Bolt (#23) through both the bumper and guide, then tighten it securely with the nut.



STEP 12:

Install the Rubber Bumper (#14) to the inside of the Swingout (#1). Use M6 Button Head Bolts (#24) in both locations on the rubber bumper. For the top bolt, utilize a M6 Flat Washer (#26) and Nylon-lock Nut (#27). Exercise caution not to over-tighten, as it may deform the rubber; instead, snugly tighten.

After installation, close the swingout and check fitment. If there is a gap between the rubber bumper, add shims as needed. Adding shims will increase the tightness of the fit. Make adjustments as necessary to achieve the desired fit.

CAUTION: A too tight fit can make the force to close too high.



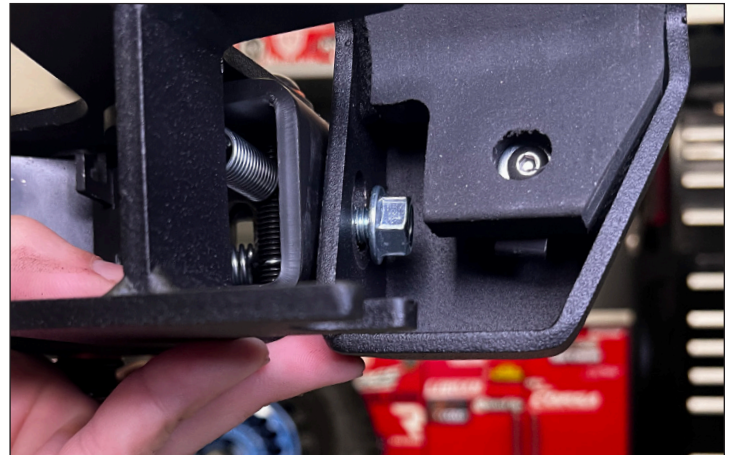
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STEP 13:

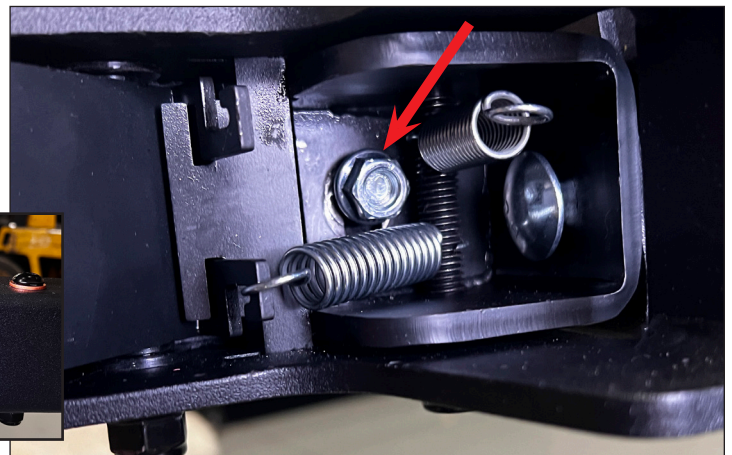
Inspect the inside of the Latch (#2). Ensure that the upper spring is loose, while the lower spring should be hooked to the latch. If both springs are attached, release the top spring. It is crucial to have the top spring loose, as it facilitates the attachment of hardware during the latch installation process. Use needle nose pliers to pull and release spring.


STEP 14:

Hold the Latch (#2) up to the Swingout (#1) and feed the M10 Carriage Bolt (#18) through the latch into the swingout. Following this, thread the M10 Serrated Flange Nut (#19) onto the carriage bolt and hand-tighten. This step initiates the attachment of the latch to the swingout, securing it in place for further adjustments.


STEP 15:

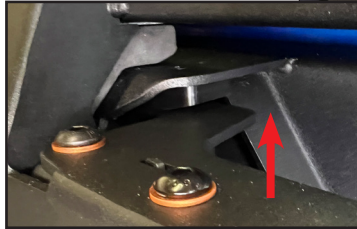
Insert the M8 Carriage Bolt (#20) through the front of the swingout into the latch. Hand-tighten the M8 Serrated Flange Nut (#21) inside the latch to secure the latch in place.



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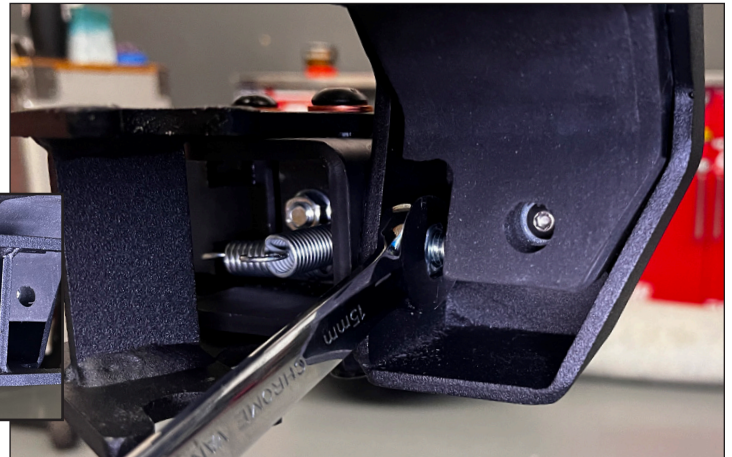
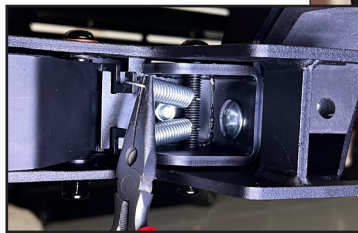
STEP 16:

Rotate the swingout into the closed position, and gently rotate the latch to the closed position as well. Press the latch up to meet with the guide wedge. Using a deep socket and wrench, tighten the M8 carriage bolt nut to hold the latch in the desired position. This step involves fine-tuning the latch alignment and securing it firmly to ensure proper functionality when closing and latching the swingout.



STEP 17:

Fully tighten the M10 Serrated Flange Nut inside the latch. Next, attach the upper spring using needle-nose pliers by hooking the spring to the latch mechanism. This step completes the installation of the latch, ensuring that both the hardware and springs are securely in place for optimal functionality.



STEP 18:

Close the swingout and thoroughly test the latch function. Make adjustments to the latch and rubber bumper as needed to create a fluid and smooth operation. This step is crucial for ensuring that the latch securely engages and disengages, and the overall operation of the swingout meets the desired standards. Fine-tune any elements that may require adjustment to achieve optimal functionality.

