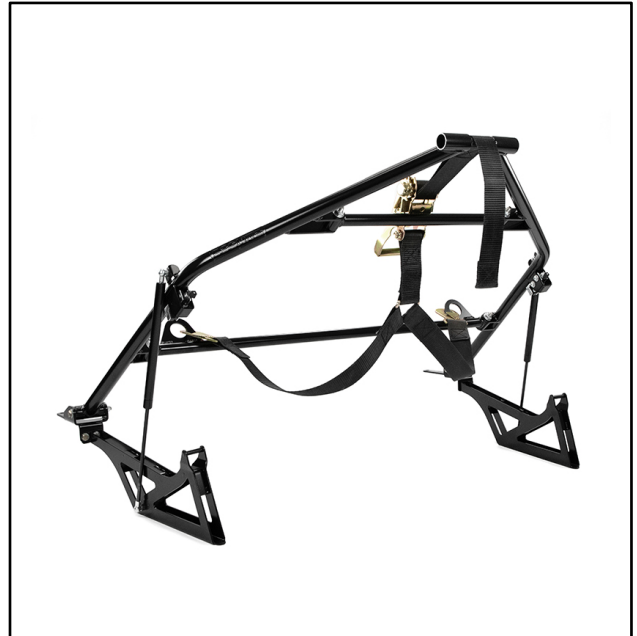




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INSTALL INSTRUCTIONS:
Cognito Spare Tire Carrier
Kit for Can-Am X3
SKU: 370-90916



PARTS LIST FOR SKU: 370-90916

QTY.	PART #	DESCRIPTION
1	2857LEFT	Spare Tire Carrier Pivot, Driver, Can-Am X3
1	2857RIGHT	Spare Tire Carrier Pivot, Passenger, Can-Am X3
1	8740	Spare Tire Carrier Swing Frame Weldment, Driver, Can-Am X3
1	8741	Spare Tire Carrier Swing Frame Weldment, Passenger, Can-Am X3
1	8742	Spare Tire Carrier Front Cross Bar, Can-Am X3
1	8743	Spare Tire Carrier Rear Cross Bar, Can-Am X3
1	8748	Spare Tire Striker Frame, Driver, Can-Am X3
1	8749	Spare Tire Striker Frame, Passenger, Can-Am X3
2	6867	60lb Lifting Strut for Spare Tire Carrier
1	6868	Spare Tire Y Strap
1	HP9289	Can-Am X3 Spare Tire Carrier Hardware

WARNING

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

REQUIREMENTS

- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures (if included) before attempting installation.
- Check the parts and hardware packages against the parts list to assure that your kit is complete.
- Always wear safety glasses when using power tools.

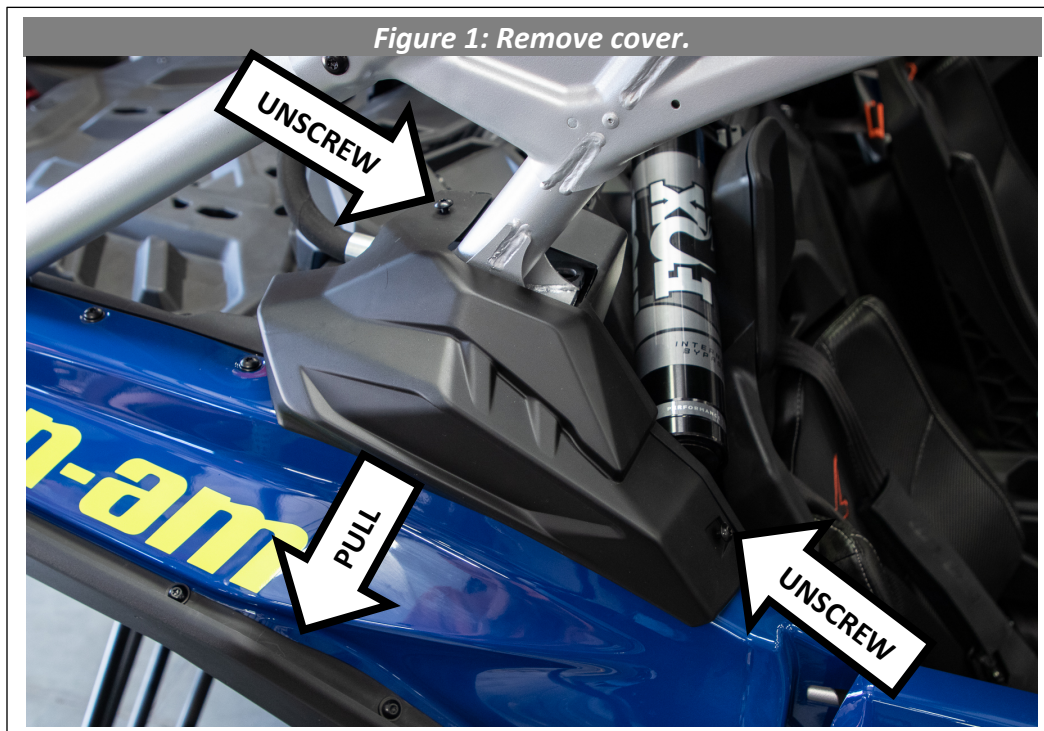
TECHNICAL INFORMATION

- Fits tires between 28" and 35"
- Fits many popular aftermarket accessories
- Does NOT fit with Can-Am 12 Gallon LinQ Box (Part number: 715003879)

PARTS LIST FOR HP9289		
QTY.	PART #	DESCRIPTION
2	HARDWARE-15013	1/4"-20 x 2-1/2" Hex Bolt
4	HARDWARE-15053	5/16"-18 x 3/4" Hex Bolt
2	HARDWARE-15118	3/8"-16 x 3-3/4" Hex Bolt
4	HARDWARE-15163	7/16"-14 x 2-1/2" Hex Bolt
1	HARDWARE-15165	7/16"-14 x 3" Hex Bolt
8	HARDWARE-33078	1/4" Flat Washer
12	HARDWARE-33080	5/16" Flat Washer
4	HARDWARE-33082	3/8" Flat Washer
10	HARDWARE-33084	7/16" Flat Washer
4	HARDWARE-33618	1/4" Split Lock Washer
2	HARDWARE-37260	1/4"-20 Lock Nut
8	HARDWARE-37262	5/16"-18 Lock Nut
2	HARDWARE-37264	3/8"-16 Lock Nut
5	HARDWARE-37266	7/16"-14 Lock Nut
4	HARDWARE-93205	1/4"-20 x 1" Socket Head Cap Screw
8	HARDWARE-M12-FLATWASHER	M12 Flat Washer
4	HARDWARE-M12X1.75X30	M12 x 1.75 x 30mm Hex Bolt
4	HARDWARE-M12X1.75-LOCKNUT	M12 x 1.75 Nylon Lock Nut
1	5042	Center Crush Sleeve
2	5548	Pivot Tube Crush Sleeve
4	POLY-BUSHING-1.25X.120X.625	Poly Bushing, 1.25 X .120 Tubing, 5/8 Crush Sleeve
1	6869	Right Hand Latch
1	6870	Left Hand Latch
2	6698	Can-Am X3 Standoff
2	HARDWARE-PLUG-1.25	Finishing Plug for 1.25" Tubing
2	2918	2-Bolt Latch Washer, Small
2	2927	2-Bolt Latch Washer, Large

INSTALLATION

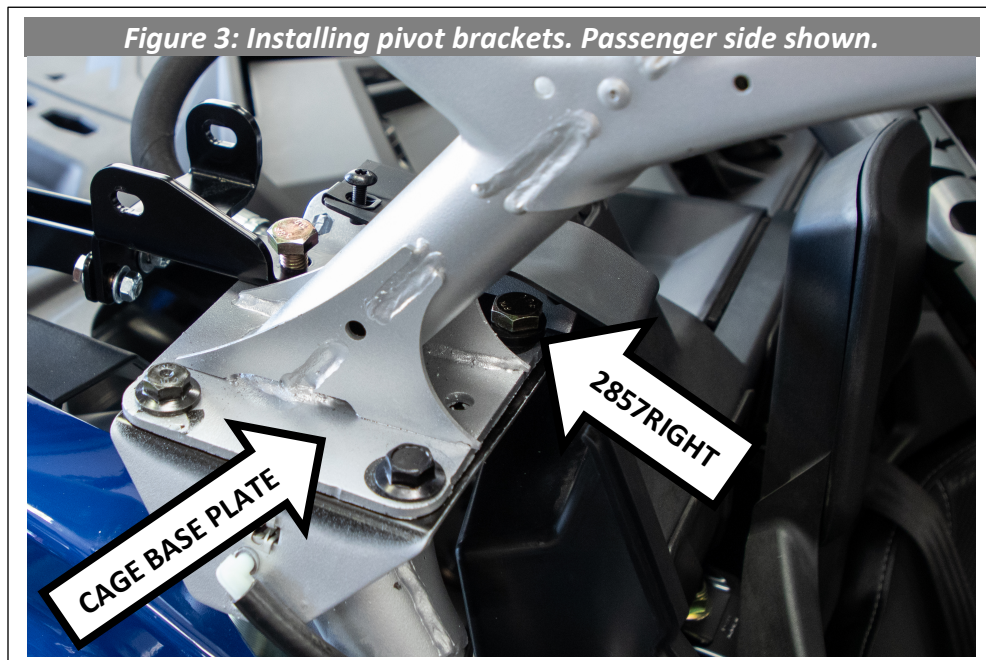
1. For cars equipped with remote reservoir shocks, you can attempt to work around the reservoir hoses if you like, or to help you have room to get the tire carrier in place please remove the reservoirs from the cage using a 5mm Allen key. They will be bolted back on later.
2. See Figure 1, Remove the plastic covers that hide the B-pillar mounts. Use a Torx T30 screwdriver to remove the two bolts, then pull the cover straight out, as there is a plastic clip on the back side of the cover. Repeat on other side.



3. For cars equipped with 3-point seat belts, remove the bolt which secures the seat belt above your shoulder.
4. See Figure 2, Push the plastic firewall forwards to access the bolts which secure the cage to the frame. Remove the two bolts towards the center of the vehicle. Repeat for the opposite side.

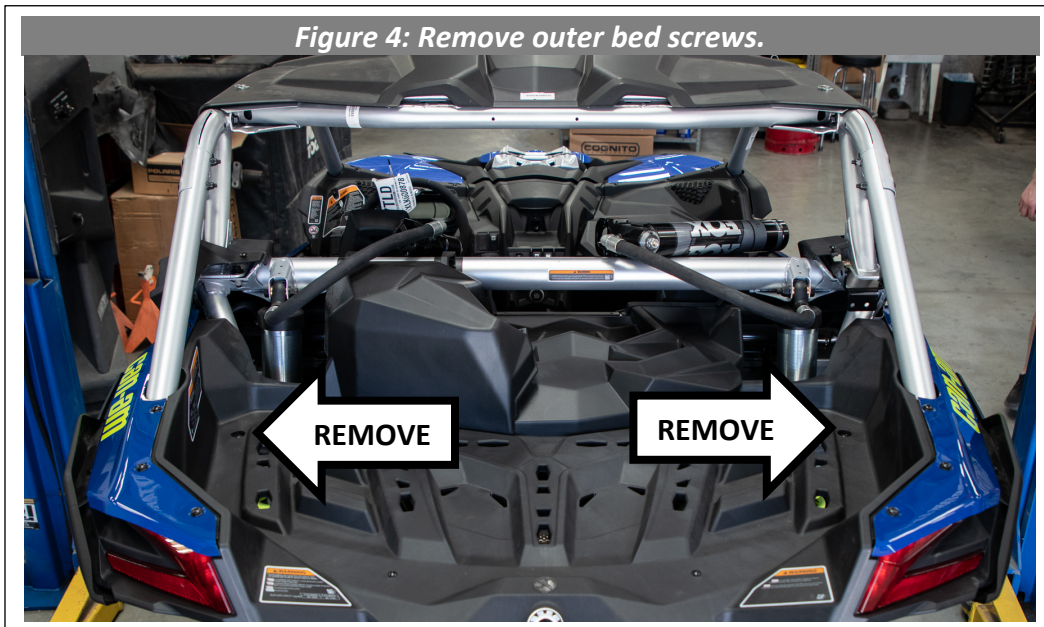


5. See Figure 3, Fasten the pivot brackets **2857LEFT** and **2857RIGHT** on top of the driver- and passenger-side cage base plates respectively, using the exposed holes from the previous step and the following supplied hardware:
 - a. 4x **M12 x 1.75 x 30mm Hex Bolt**
 - b. 8x **M12 Flat Washer**
 - c. 4x **M12 x 1.75 Nylon Lock Nut**



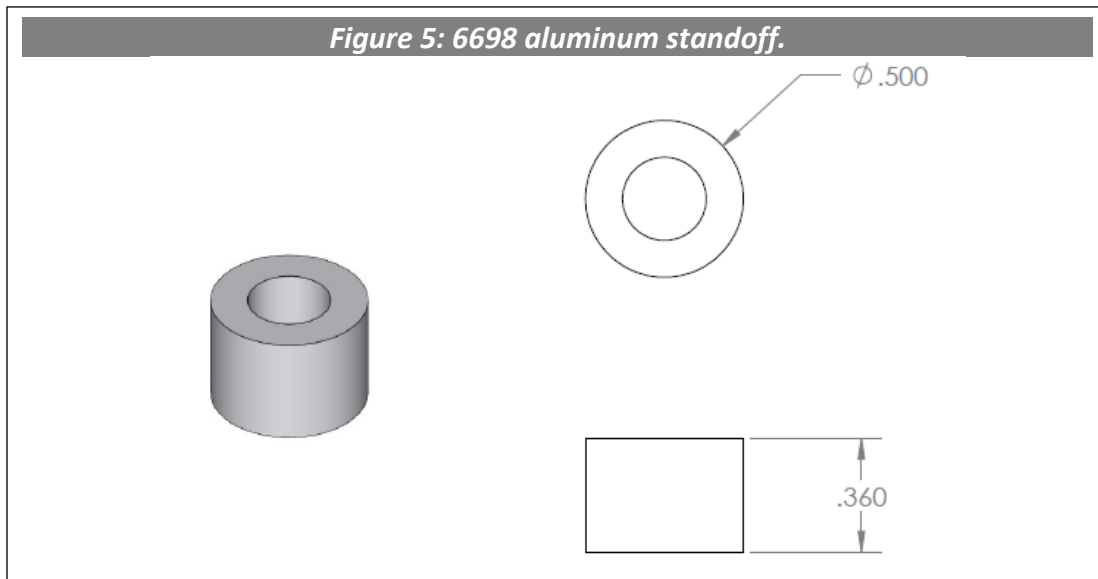
The pivot brackets should extend rearward, and jog towards the center of the bed.

- See Figure 4, Remove the two T30 Torx screws from the edges of the bed using a 10mm wrench from the bottom.



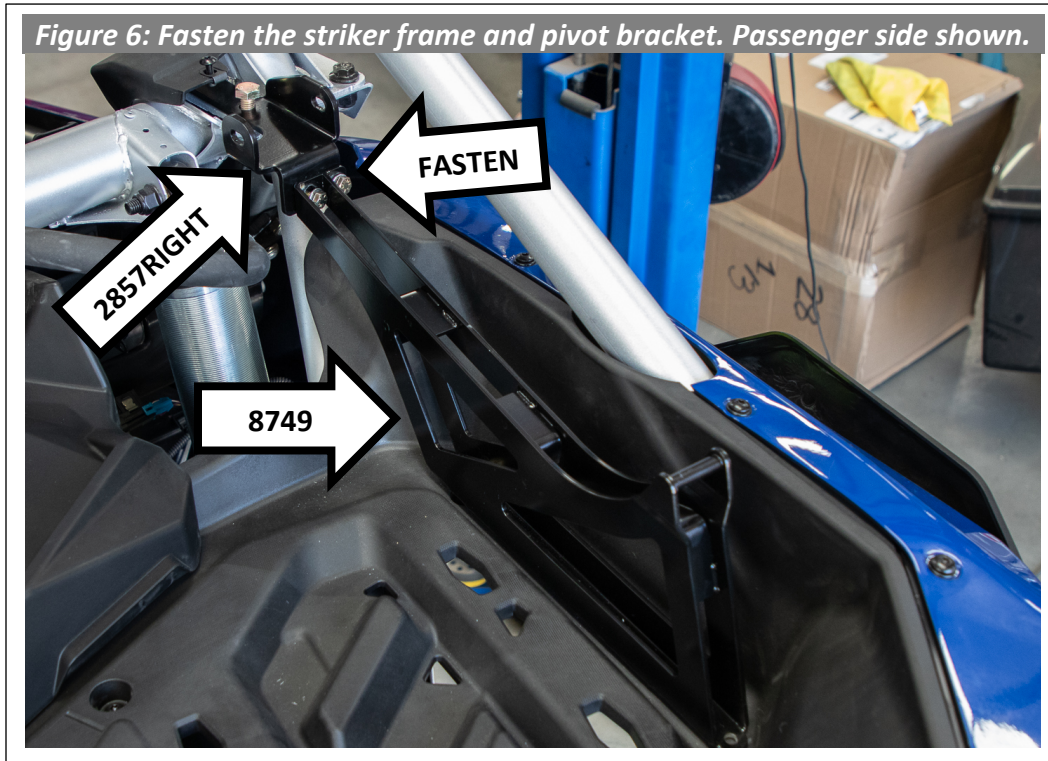
- Insert each aluminum standoff **6698** (Figure 5) into the pockets where the T30 screws were removed in the previous step. Fasten the striker frames **8748** and **8749** to the driver and passenger side of the bed respectively, using the following supplied hardware:
 - 2x **1/4"-20 x 2-1/2" Hex Bolt**
 - 4x **1/4" Flat Washer**
 - 2x **1/4"-20 Lock Nut**

On each side, pass the bolt through the hole at the bottom of 8748/8749, and then through the standoff 6698. See Figure 6 for the correct orientation of 8749 (passenger). Do not tighten yet!

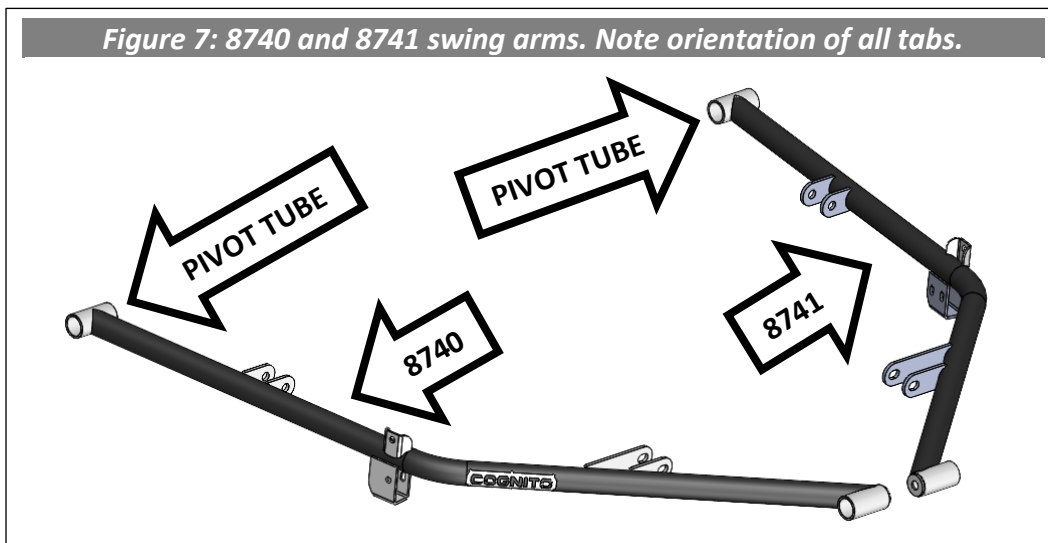


8. Fasten 8748/8749 to 2857LEFT/RIGHT using the following supplied hardware:
 - a. 4x 5/16"-18 x 3/4" Hex Bolt
 - b. 8x 5/16" Flat Washer
 - c. 4x 5/16"-18 Lock Nut

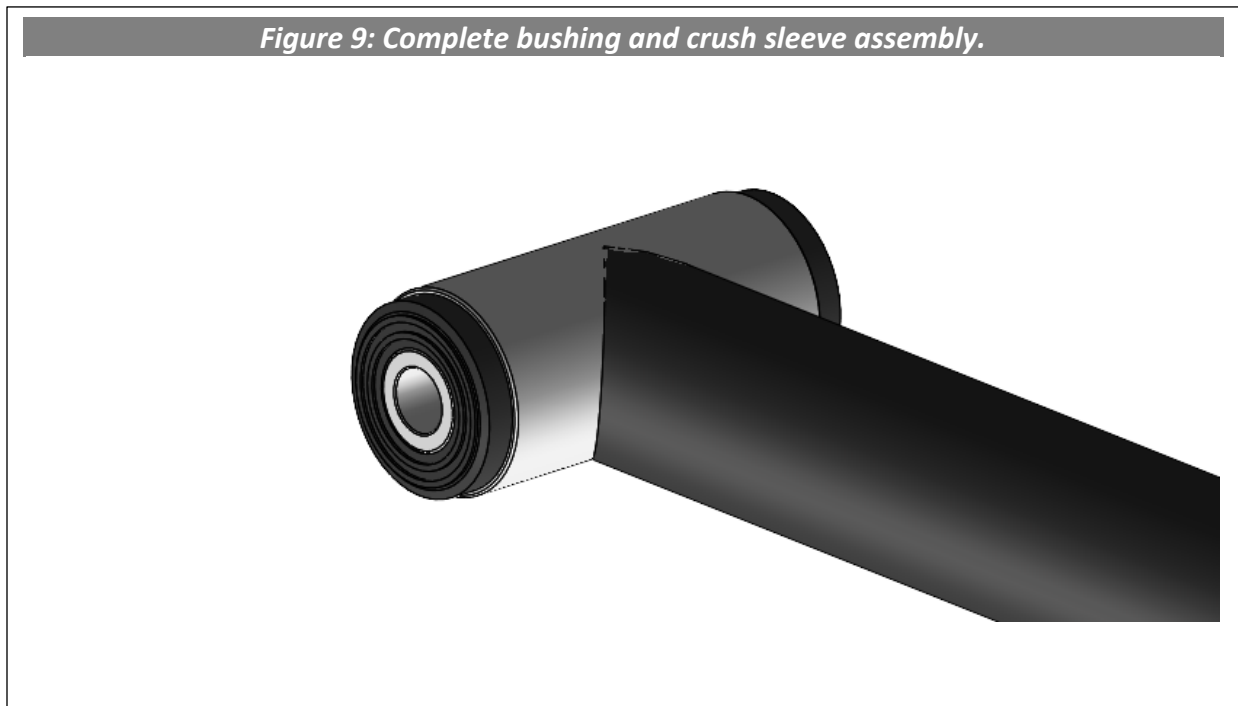
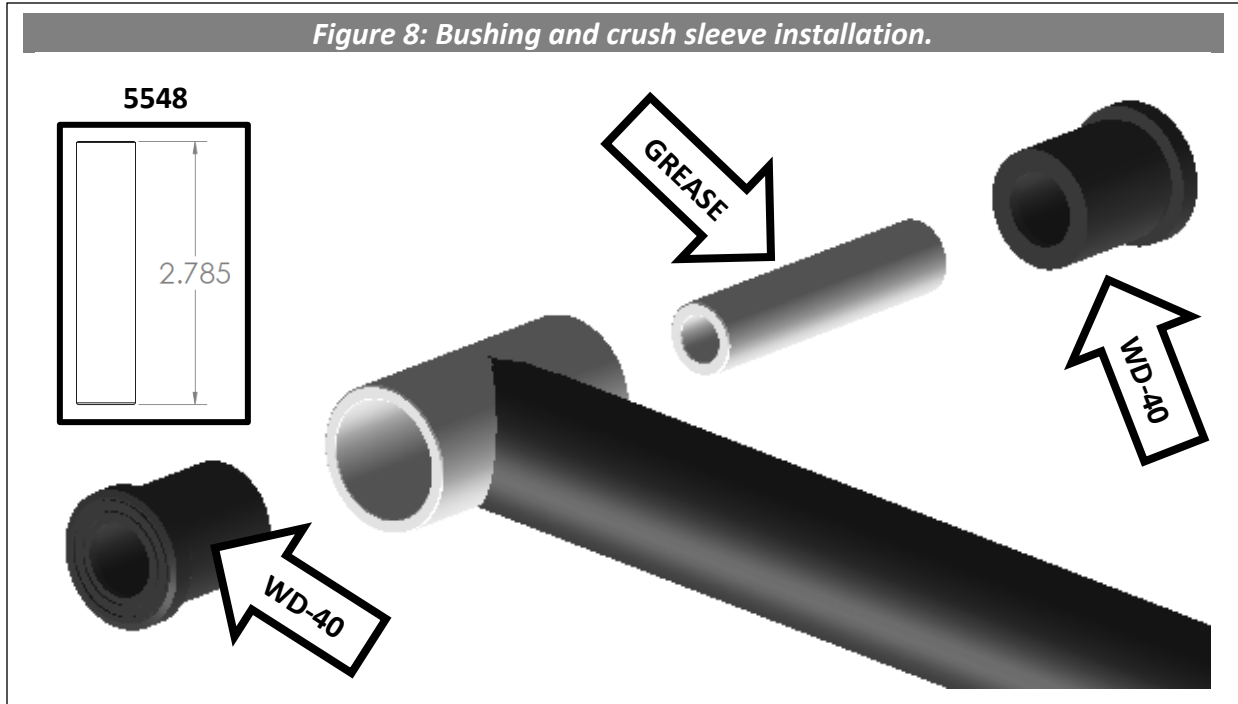
Do not tighten yet!



9. Locate the two swing arms, **8740** and **8741**. Locate the pivot tubes at the end of each arm. Note: both ends of each pivot tube are open and do not have a welded cap.



10. Install the supplied black polyurethane bushings and crush sleeves **5548** into each swing arm pivot tube. Apply WD-40 on the **outside** of the bushings before pressing them in, then grease the **outside** of the crush sleeve before inserting. See Figure 8 for grease/WD-40 application and 5548 dimensions in inch units. See Figure 9 for the complete bushing and crush sleeve assembly.

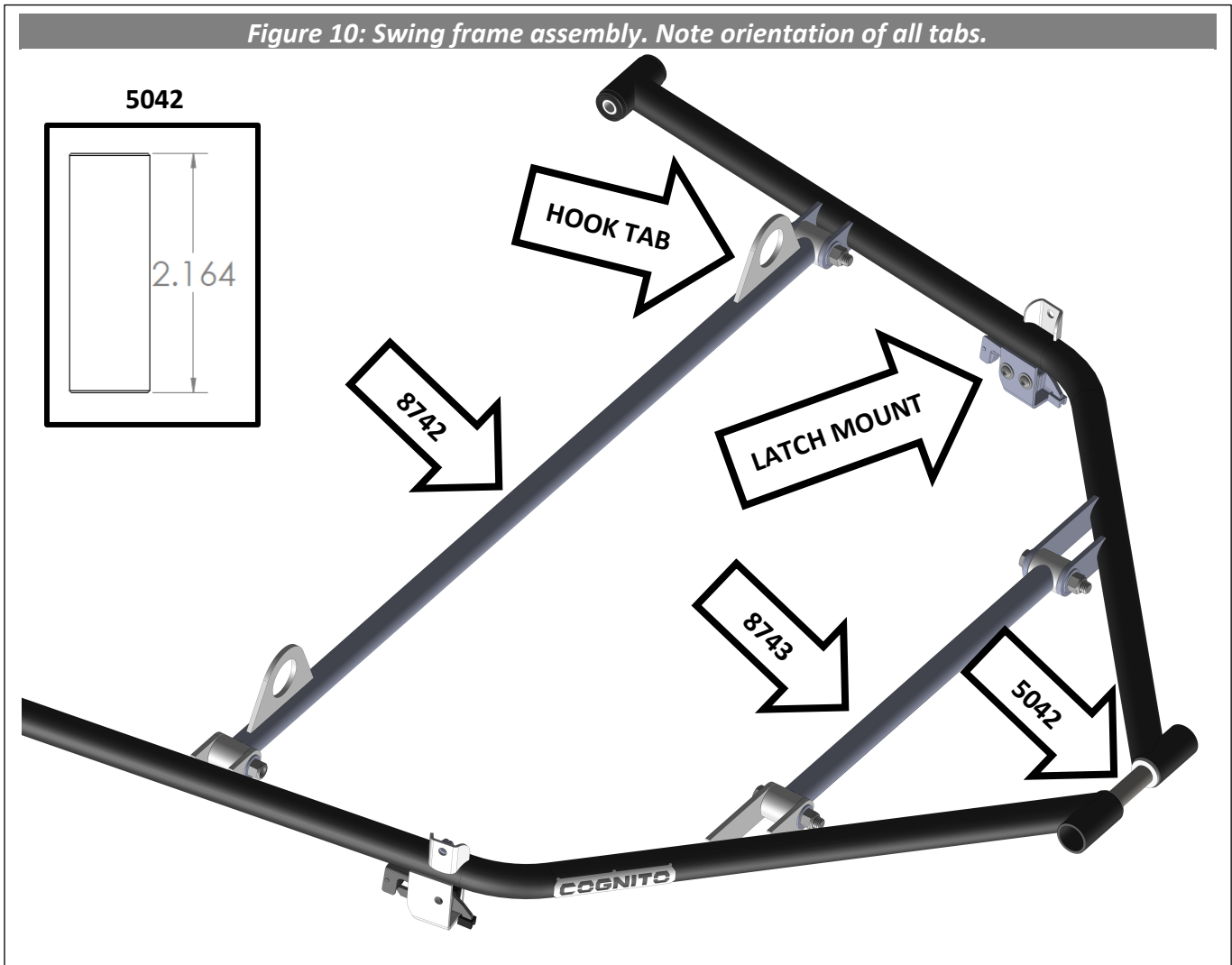


11. Fasten the cross bars **8742** and **8743** to the two halves of the swing frame **8740** and **8741** using the following supplied hardware:

- a. 4x **7/16"**-14 x **2-1/2"** Hex Bolt
- b. 8x **7/16"** Flat Washer
- c. 4x **7/16"**-14 Lock Nut

Note: the two tabs for the ratchet strap hooks must be pointing opposite from the latch mounts, in the upward direction. Do not tighten yet!

Figure 10: Swing frame assembly. Note orientation of all tabs.



12. Insert the short crush sleeve **5042** into the loop of the ratchet strap **6868**. See Figure 10 for 5042 dimensions in inch units.



13. Bolt the two halves of the swing frame together with 5042 and the ratchet strap installed between them using the following supplied hardware:

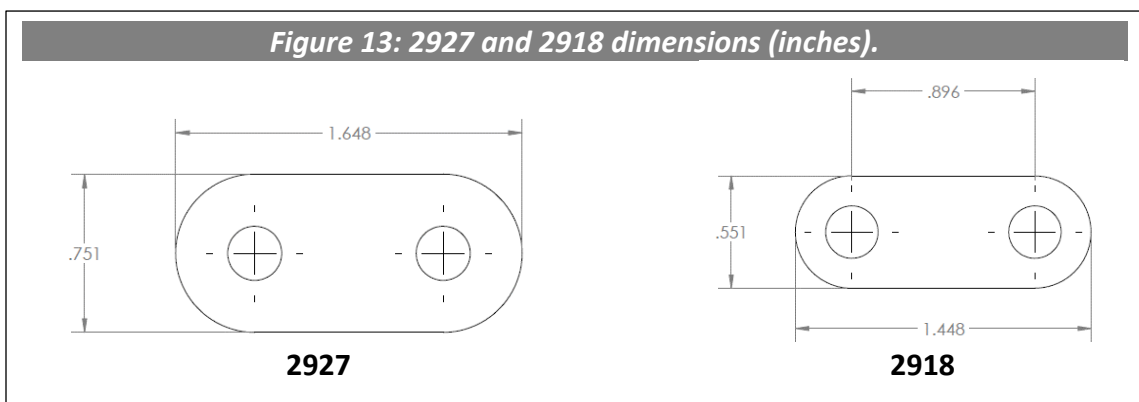
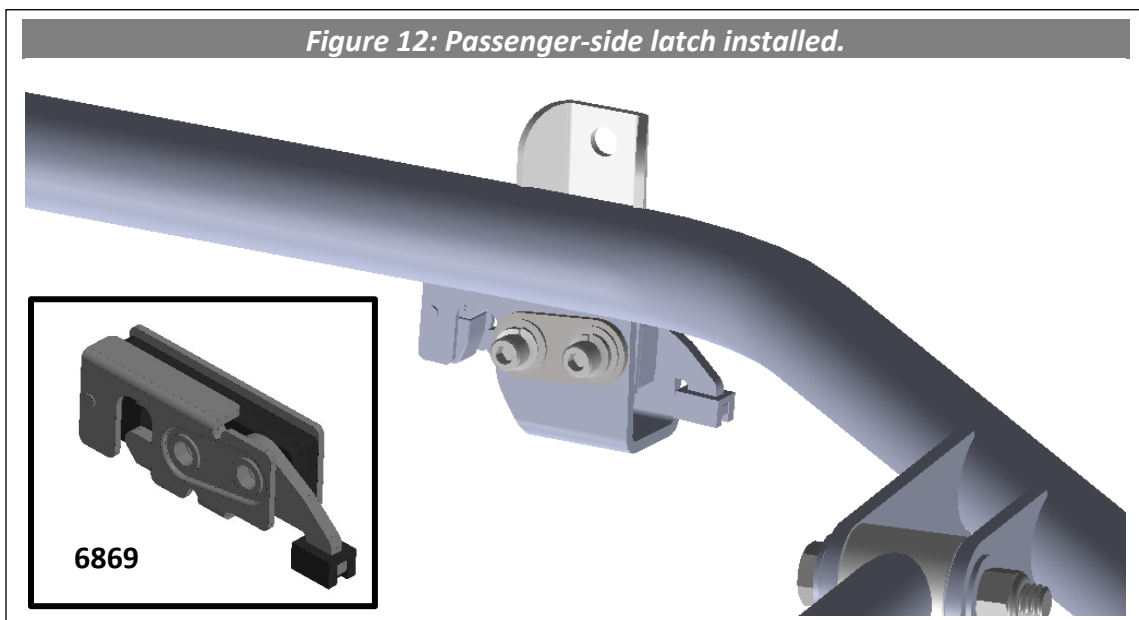
- a. 1x **7/16"-14 x 3" Hex Bolt**
- b. 2x **7/16" Flat Washer**
- c. 1x **7/16"-14 Lock Nut**

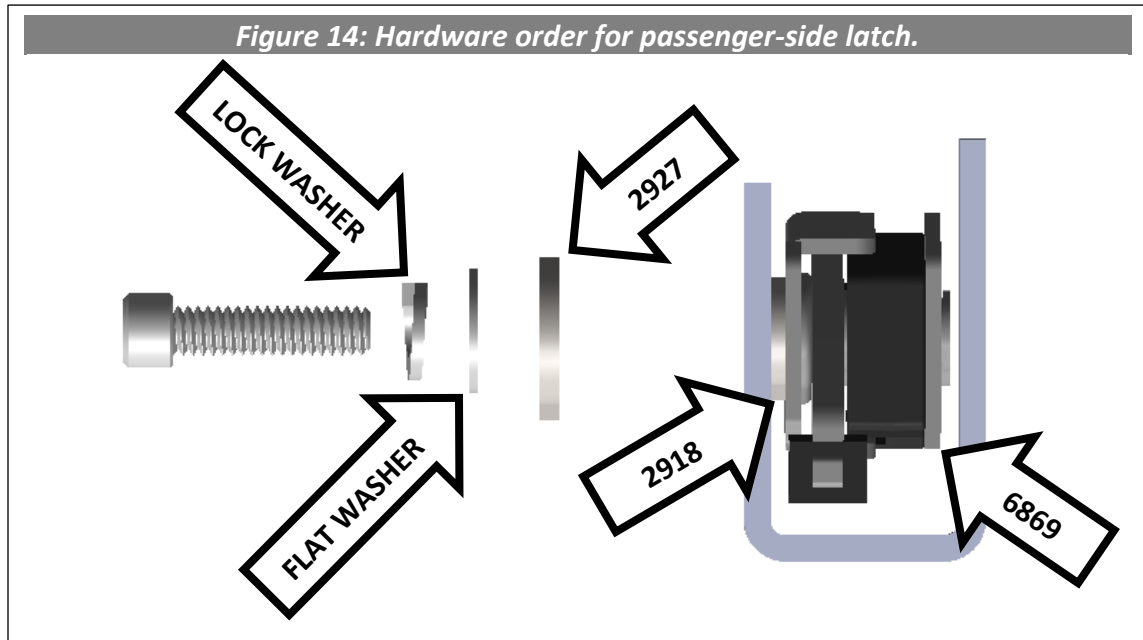
Refer to Figure 10 for the location of 5042. Ensure the ratchet handle is on top! Tighten all five 7/16" bolts fastening the swing frame together to **70 ft-lbs**.

14. Using a dead-blow or rubber mallet, install the supplied black finish plugs into the ratchet strap mount tube ends.

15. Install the latches **6869** and **6870** to the **passenger** and **driver** sides of the swing frame, respectively, using the following supplied hardware:
- 4x **1/4"-20 x 1" Socket Head Cap Screw**
 - 4x **1/4" Split Lock Washer**
 - 4x **1/4" Flat Washer**
 - 2x **2927**
 - 2x **2918**

Note: 6869 and 6870 are mirrors of each other. See Figure 12 for a diagram of 6869 and the correct orientation for installation. See Figure 13 for 2927 and 2918 dimensions. See Figure 14 for the correct order of hardware. **This order must be followed to prevent damage to the latch and surrounding components.**





Do not tighten yet! Instructions for adjusting the latches are in a later step.

16. Secure the swing frame to the hinge brackets using the following supplied hardware but do not tighten yet as you will notice the holes are slotted to allow for adjustment:

- a. 2x **3/8"-16 x 3-3/4" Hex Bolt**
- b. 4x **3/8" Flat Washer**
- c. 2x **3/8"-16 Lock Nut**

The latches must be aligned to the striker rods both left-right and forwards-backwards. Once this is done, tighten the bolts holding the striker frames to the bed. Then tighten the **M12** bolts holding the hinge brackets to the cage to **70 ft-lbs**. Next, tighten the **5/16"** bolts which hold the striker brackets to the pivot brackets to **100 ft-lbs**. Finally, tighten the **3/8"** bolts that hold the swing frame to the pivot brackets to **45 ft-lbs**. If the swing frame does not pivot freely, loosen all the **7/16"** bolts slightly then re-tighten. If this fails, repeat for the M12 hinge mount bolts.

Figure 15: Swing frame installed.

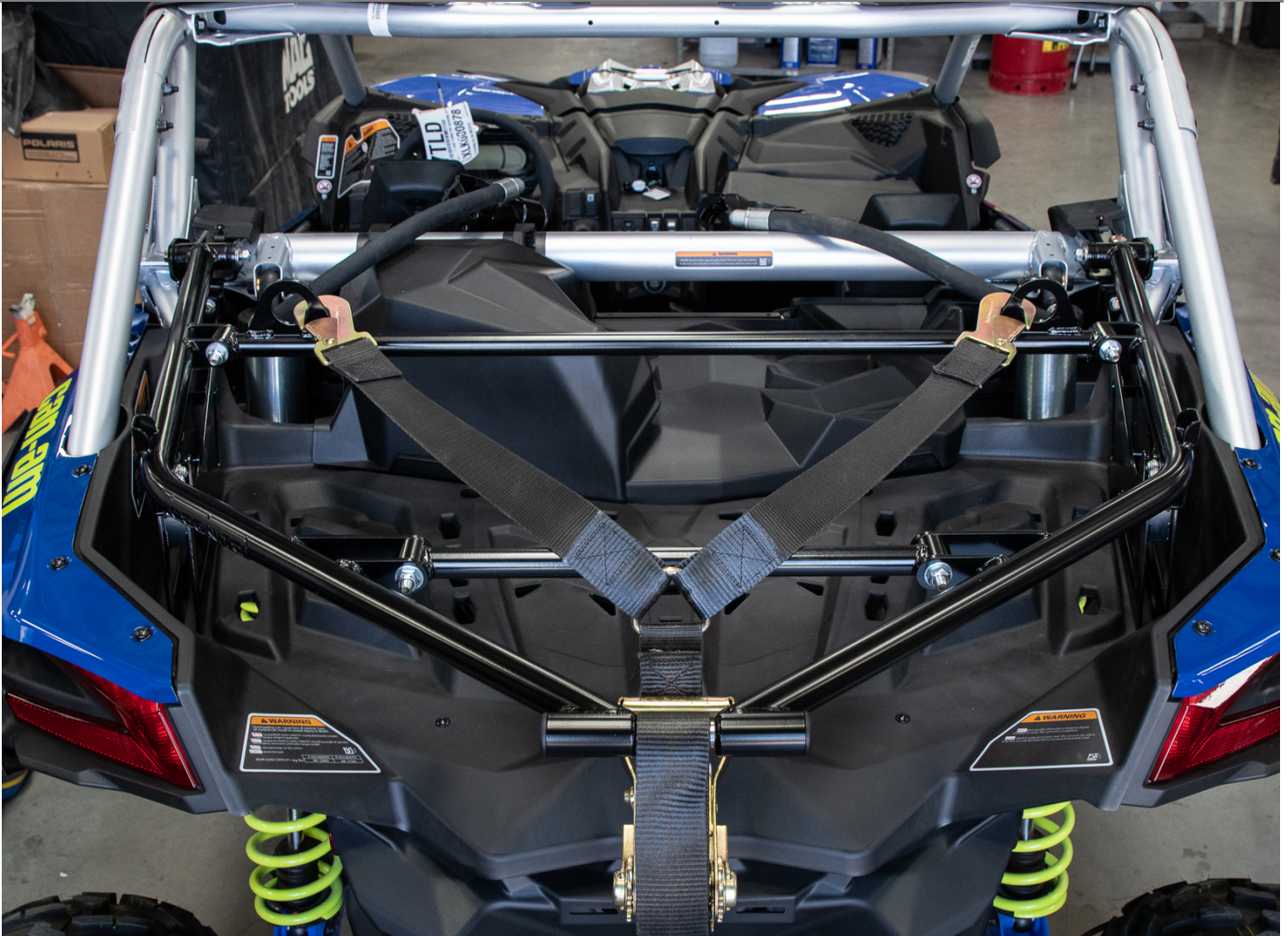


Figure 16: Latch correctly centered on striker frame.



17. To align the two latches to each other, ensure the **1/4"** bolts are loose. Push down on each side of the frame to make sure the latches are fully engaged. You may need to push the latch down from above to do this. Then, pull up on the frame evenly so the latches are both at the same height, and tighten down the **1/4"** bolts to **15 ft-lbs**. The latches should both engage smoothly when the swing frame comes down. If the latch brackets are hitting the striker brackets you need to loosen the **3/8"** bolts attaching the swing frame to the hinge brackets and pull the swing frame rearwards.

Figure 17: Latch Correctly Installed



18. Attach the gas struts to the striker frame using the following 5/16" hardware:
 - a. 2x 5/16"-18 Lock Nut
 - b. 2x 5/16" Flat Washer

A 13mm wrench is needed to hold the gas strut stud. **The gas strut must be installed with the rod (thin part) on the bottom.** Failure to follow this step will void warranty on the gas struts. Tighten the hardware to 24 ft-lbs.

19. Unlatch the swing frame and swing it up, then install the body side of the gas strut to the swing frame using the remaining 5/16"-18 Lock Nut and 5/16" Flat Washer. Tighten hardware to 24 ft-lbs.



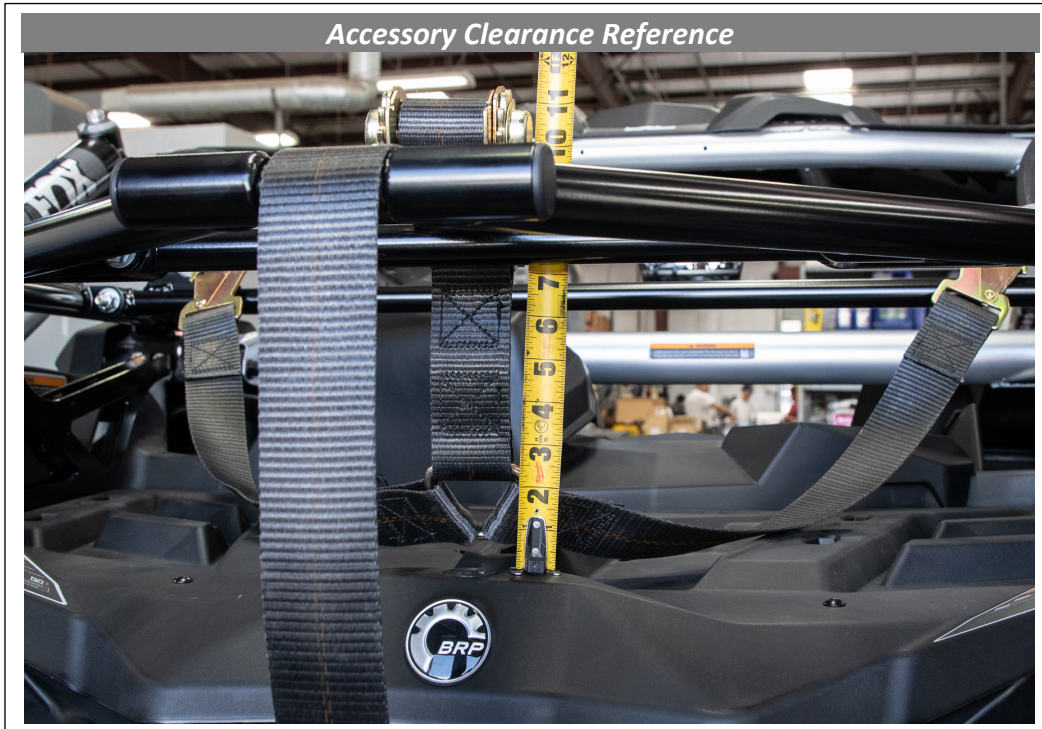
20. Reinstall the plastic covers for the B pillars.



21. If the remote-reservoirs were removed in step 1, reinstall the reservoirs as shown.



22. For cars equipped with 3-point seat belts, reinstall the bolts and tighten to **52 ft-lbs.**





WARRANTY / RETURN POLICY / SAFETY

Cognito Limited Lifetime Warranty

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warrantied separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

Return Policy

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

Product Safety Advisory

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.