

INSTALLATION INSTRUCTIONS

STEERING RACK STABILIZER - CAN AM 2018-2021



TOOLS REQUIRED

- Torque wrench
- Rubber mallet
- Plastic fastener remover
- Floor jack
- Jack stands
- 1/2" 12 Point socket
- 3mm, 10mm Allen wrench
- zip tie snips
- 13mm, 18mm, 19mm deep socket
- 13mm, 18mm, 19mm, 22mm, 15/16", 36mm

STEP 1

Lift the front end of the vehicle and safely install jack stands. Remove the front wheels.



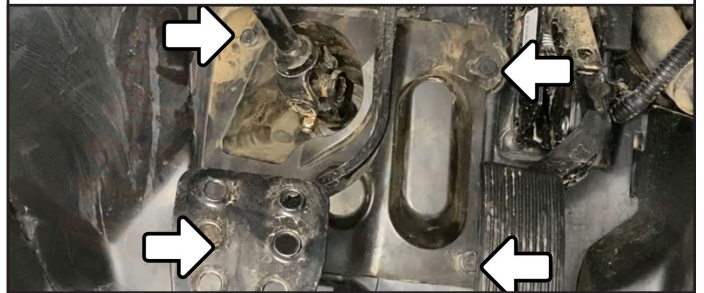
STEP 2

Cut the zip tie at the base of the steering column and move the rubber boot to access the joint.



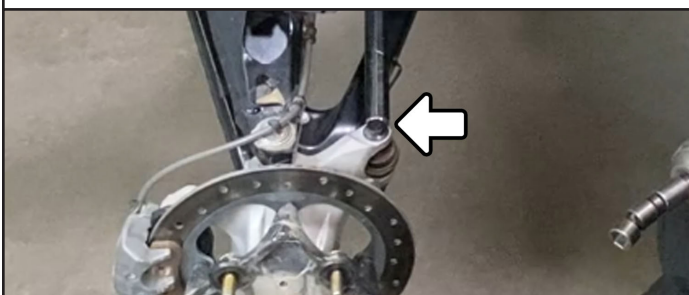
STEP 3

Remove the 4 plastic rivets from the driver's side footwell to loosen the rubber boot. Retain plastic snap rivets for later use.



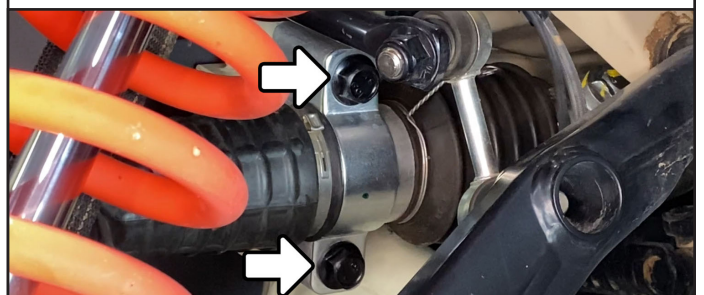
STEP 4

Remove the lower tie rod end from the driver's side & passenger side.



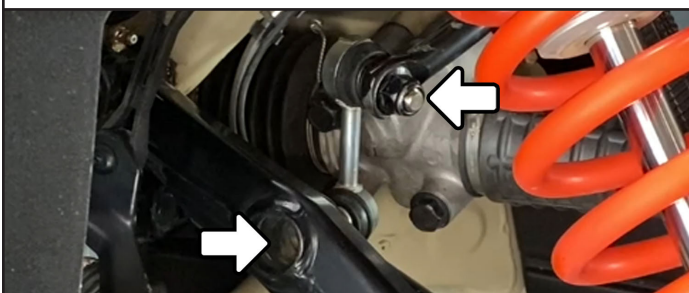
STEP 5

Loosen and remove the 2 passenger side steering rack assembly bolts & bracket.



STEP 6

Remove the driver's side sway bar end link from the knuckle. Retain hardware.



STEP 7

Remove the lower pinch bolt and nut. Retain hardware.



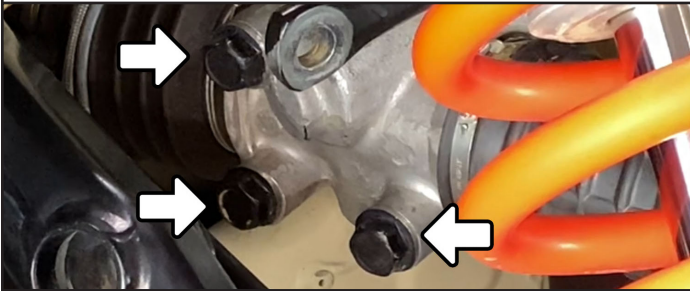
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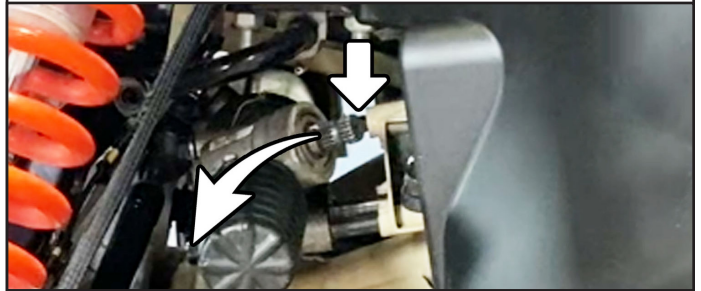
STEP 8

Remove the 3 driver's side bolts holding the steering rack to the frame. The nuts are accessible from the driver's side footwell.



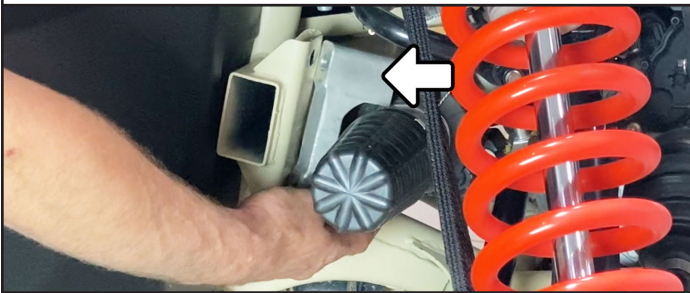
STEP 9

Loosen the steering rack pinion on the driver's side to free the assembly.



STEP 10

Remove the steering rack assembly bracket from the passenger side. Retain for later use.



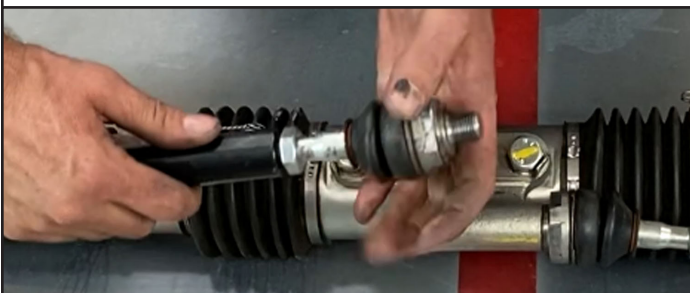
STEP 11

With the passenger side bracket removed, you can now carefully slide the rack assembly out through the driver's side.



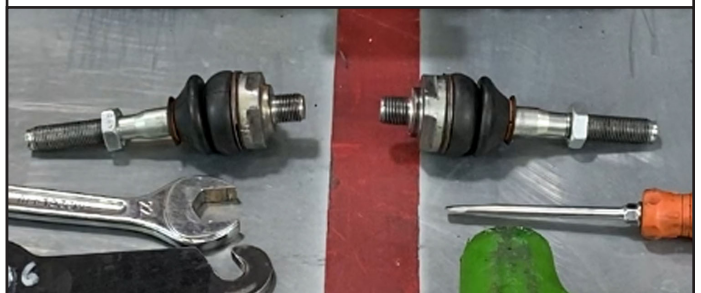
STEP 12

Remove the tie rods & upper tie rod ends from the steering rack assembly.



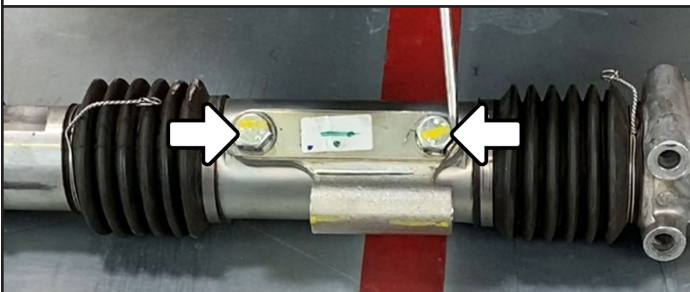
STEP 13

Remove the upper tie rod heads from the stock tie rods. We will reuse these parts.



STEP 14

Bend the 2 locking tabs on the factory bracket back and remove from the factory steering rack.



STEP 15

Remove both 9/16" 12 point socket bolts from the steering rack stabilizer shaft ends.



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STEP 16

Remove SSM-X3-01 & SSM-X3-02 from the shaft.



STEP 17

Remove the Steering Rack Stabilizer shaft from SBM-X3.



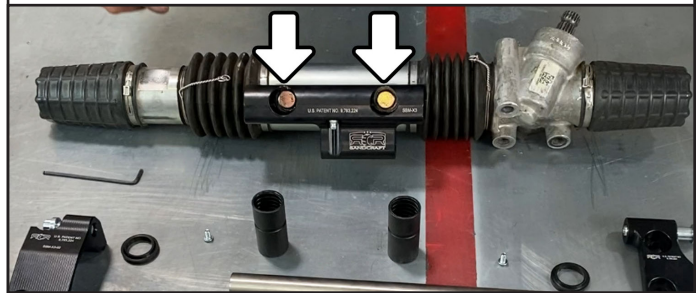
STEP 18

Loosen Delrin sleeve retaining screws & remove Delrin sleeves, set aside.



STEP 19

Mount the SBM-X3 to factory steering rack assembly (XX Ft-lbs).



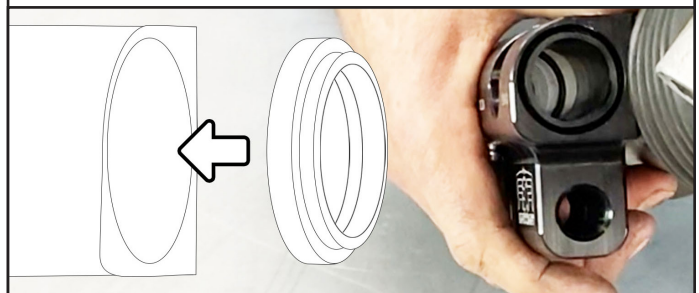
STEP 20

Re install both Delrin sleeves with the long side facing inbound and tighten the retaining screws.



STEP 21

Install both the shaft seals to SBM-X3 with the small lip facing outbound.



STEP 22

Install the Steering Rack Stabilizer Shaft into SBM-X3. Grease the SBM-X3 using the zyrac fitting.



STEP 23

Install SSM-X3-01 to the driver's side of the Rack Stabilizer Shaft, add anti seize grease to the 12 point socket threads (torque to 75 ft-lbs).



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STEP 24

Install the inner tie rod ends to SBM-X3 (torque to 120 Ft-lbs). Apply included threadlock to the threads.



STEP 25

Insert bolts into the Steering Rack Stabilizer. The small bolt goes on outer hole, longer bolts go on the inner holes.



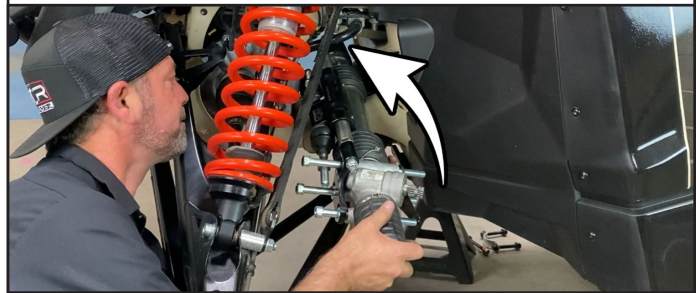
STEP 26

Re install the factory backing plate to the back side of the SBM.



STEP 27

Install the upgraded Steering Rack assembly into the driver's side of the vehicle.



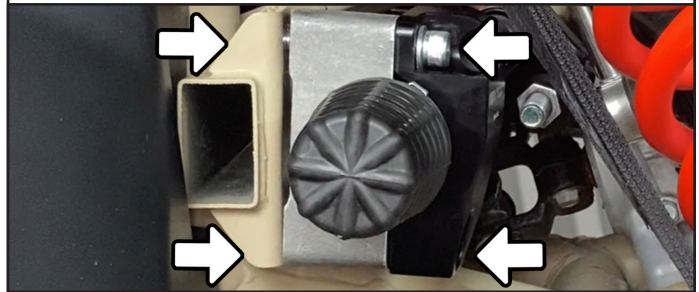
STEP 28

Re install factory bracket to the passenger side Steering Rack Assembly.



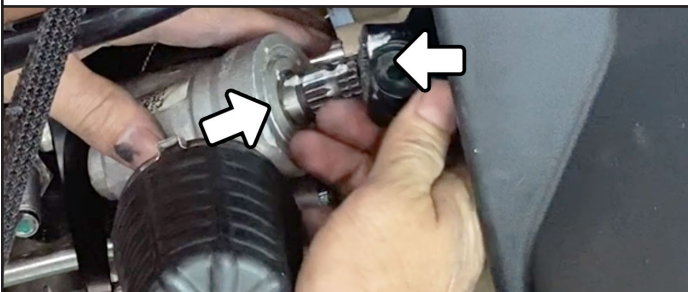
STEP 29

Install SSM-X3 bracket through the factory bracket on the passenger side and add nuts, do not tighten fully.



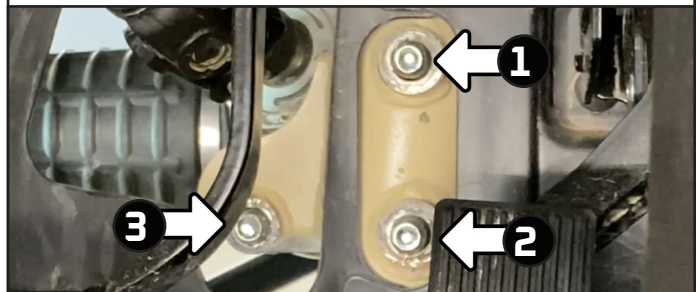
STEP 30

Align the steering coupler & connect to the pinion.



STEP 31

Loosely install 3 bolts through SSM-X3-01 to frame, add nuts to the driver's side footwell & tighten in order.



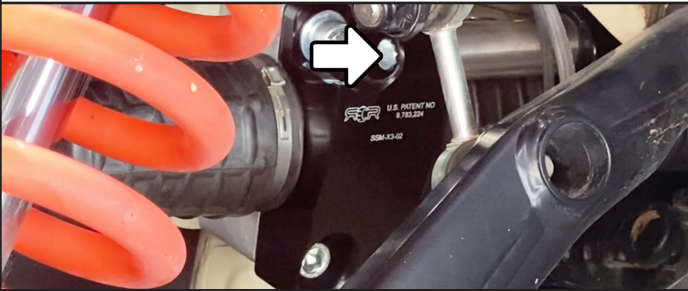
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STEP 32

Apply anti seize grease to bolt and install SSM-X3-02 Steering Rack Stabilizer shaft to passenger side (torque to 75 Ft-lbs).



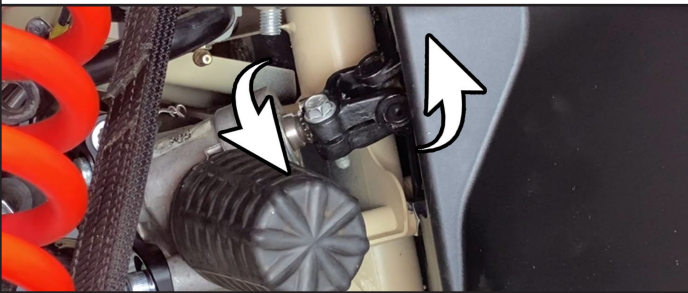
STEP 33

Install the 2 bolts through SSM-X3-01 to the frame & tighten.



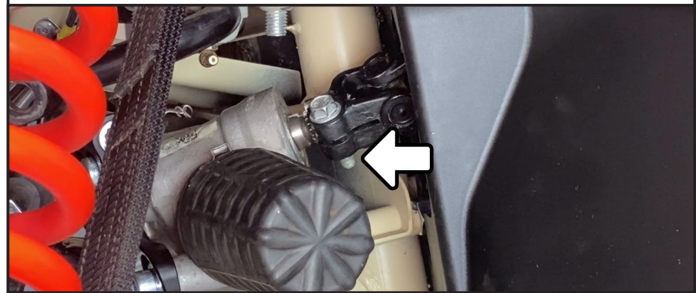
STEP 34

Check the steering cycle for free movement by turning the steering wheel. If binding occurs, loosen bolts and adjust.



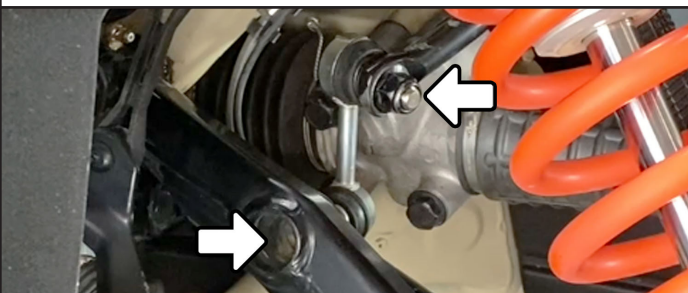
STEP 35

Align & tighten steering coupler bolt.



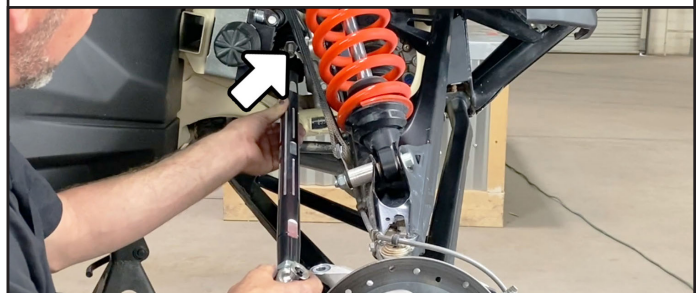
STEP 36

Re install the driver's side sway bar link.



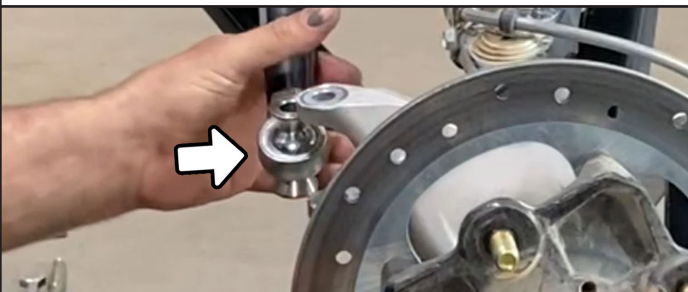
STEP 37

Install Sandcraft driver's side & passenger side tie rods to SRS bolt (25mm minimum thread).



STEP 38

Install the driver's side & passenger side tie rod to the knuckle, insert bolt and tighten (torque to 77 Ft-lb). Insert the cotter pin.



STEP 39

Re install the weather seal in the driver's side footwell using the 4 plastic snap rivets you removed in step 3.



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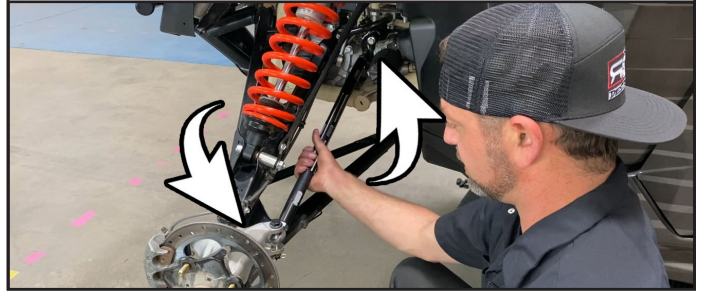
STEP 40

Fasten the included zip tie on the driver's side weather seal & trim.



STEP 41

Adjust the alignment as needed and fasten the upper and lower lock nuts to retain your position.



STEP 42

Double check all your work, then re install the wheels, remove the jack stands and lower the vehicle.

