RUGGED RIDGE®

Part #11541.25

460 HORIZON DR. | SUWANEE, GA 30024 | PHONE: 770-614-6101 | FAX: 844-270-0593 | www.Omix-ADA.com

Rugged Ridge XOR Rear Bumper w/ Tire Carrier, JK

Components

1 - **Rear Bumper**
2 - Frame "L" Brackets
4 - M12 X 45 Hex Bolts
4 - M12 Flat Washer
4 - M12 Lock Washer
1 - Hitch Mount Plate
4 - M12 X 120 Hex Bolts
4 - M12 Flat Washer
4 - M12 Lock Washer

1 - **Logo Backing Plate,** not shown
2 - M6 X 20 Hex Bolts
2 - M6 Flat Washer
2 - M6 Lock Washer

1 - **Spare Tire Mount**, 2pc
7 - M12 X 35 Hex Head Bolt
14 - M12 Flat Washer
7 - M12 Lock Washer
7 - M12 Hex Nut
3 - M12 Lug Nuts

1 - **Spare Tire Carrier**
1 - Bearing Cap
1 - M6 Countersunk Screw
1 - M24 Castle Nut
1 - Cotter Pin
2 - Bearing (race & bearing)
1 - Rubber Seal

1 - **Tailgate Plate**
7 - M8 X 25 Allen Head Bolt
7 - M8 Flat Washer
7 - M8 Lock Washer

1 - **Heim Joint,** male & female
end with locking nut
2 - M10 X 70 Hex Head Bolt
4 - M10 Flat Washer
2 - M10 Lock Washer
2 - M10 Hex Nuts
4 - High Misalignment Spacer

1 - **Bumper Jack Mount**
2 - M12 X 35 Hex Head Bolt
4 - M12 Flat Washer
2 - M12 Lock Washer
2 - M12 Hex Nut
2 - M8 X 50 Wing bolt
4 - M8 Flat Washer
2 - M8 Lock Washer
2 - M8 Wing Nut
2 - Polyurethane Cushions

2 - **D-Ring**

Light Option:
You can add 3″ cube lights in provided opening of the bumper. Research and assure you wire the lights correctly to avoid damaging the electrical system of your Jeep. If you choose to add, mount cubes to bumper before installing bumper to the Jeep.

Style Option:
Behind the center logo of the bumper is a plate that can be removed and painted to match your Jeep or a bright accent color to give an additional attention to detail. Modify before installing bumper to the Jeep.

OMIX-ADA® TECHNICAL SUPPORT
PHONE: M-F 8am - 5pm EST 1-800-449-6649

FOR WARRANTY OR TECH CONCERNS EMAIL: webmaster@omixsupport.com

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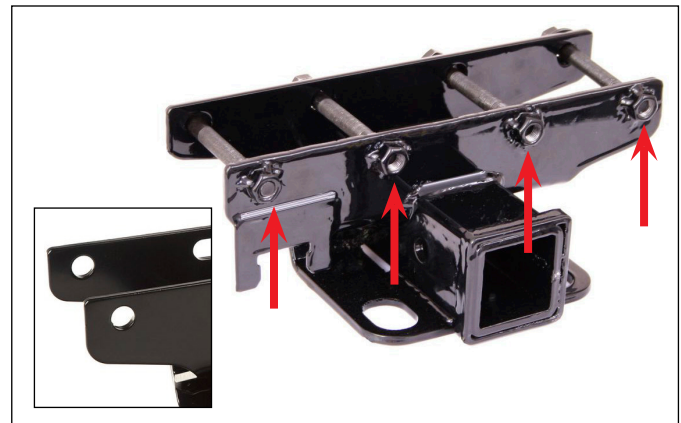
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STEP 1:
Remove factory rear bumper and factory tow hook.
For further assistance scan here with your smart phone to
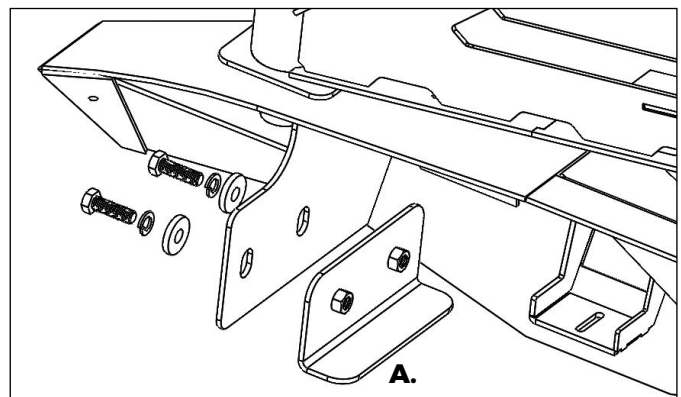view video posted on youtube.

STEP 2:
To retain the OE tow hitch there needs to be some
modifications done to the hitch to fit. On the OE
hitch there are four welded nuts for the bolts that go
through the frame crossbar. Each of the nuts need
to be removed from the hitch. Use a cutting wheel
and cut the welds off each nut to remove. Use the
appropriate safety equipment to avoid injury.
Most aftermarket hitch receiver kits do not have
these nuts welded on and this step can be by-
passed by simply removing the nuts and bolts.

STEP 3:
With rear factory bumper removed clear inside
frame rails of any debris. Also, apply painters tape
to the body of your jeep. This will protect your paint
from being scratched by the bumper moving during
installation. Slide L-bracket (shown as A) into each
frame rail with the flat side with the welded nuts fac-
ing the inner outer side.
   Lift bumper to frame rails. It is best to have a
assistant to lift and hold bumper in place. Thread
M12 X 35 bolts with flat and locking washers into
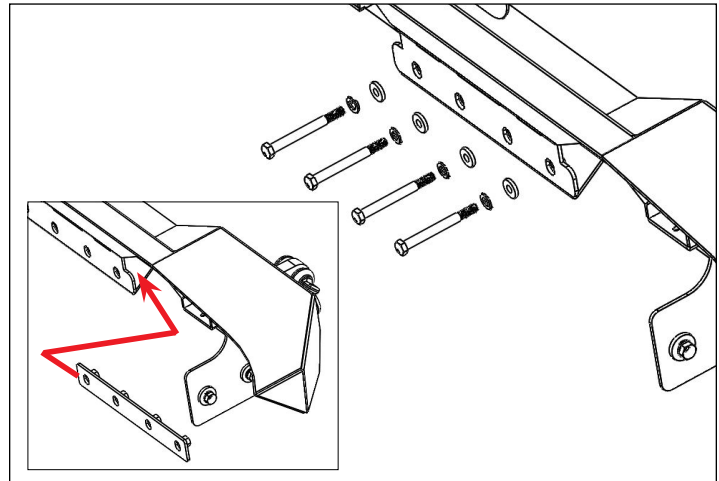the welded nuts of the L-bracket. Do not tighten yet.

A.

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STEP 4:
Feed hitch mount plate through the back of the bumper hitch mounting area. If retaining the OE tow hitch left into place between the frame crossbar. Feed M12 X 120 bolts with flat and spring washers up and above the muffler to help assist feeding the bolt straight through the cross member. Thread bolt into the hitch mount plate that's inserted into the rear of the bumper.
  Adjust bumper level to the body of the Jeep. Once in desired position tighten all hardware (4 hitch bolts and 4 side frame bolts) in a alternating pattern. **Avoid using power or air tools.** Tighten to 60ft lbs torque to secure the bumper to the Jeep.
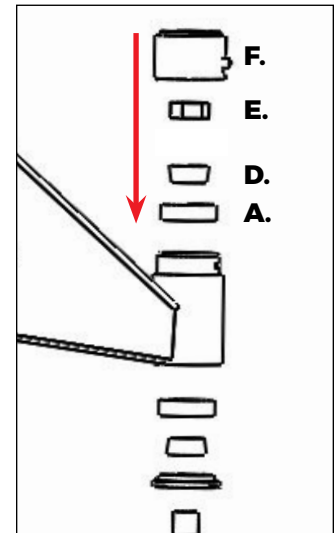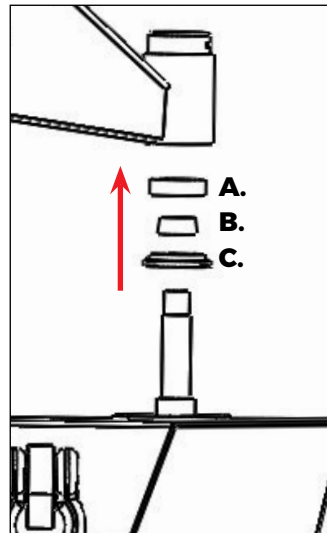

STEP 5:
Take a gob of wheel-bearing grease and place it in the palm of your right hand. You may want to invest in some thin, disposable plastic gloves for this job. Press the bearing into the gob of grease with the heel of your other hand as shown here. This forces the grease into the bearing and out the other end. Make sure that you work the grease into every gap in the bearing.
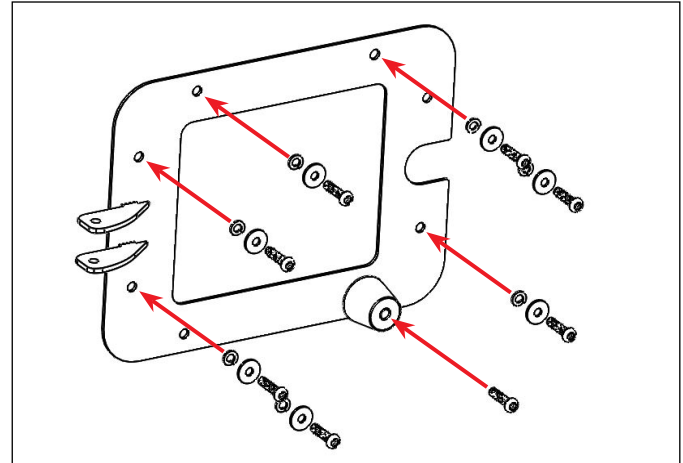
Grease both bearings.

STEP 6:
Remove E-coating from spindle, use lacquer or paint thinner.
Seat both bearing races into the swing out tire carrier (A). Install bearing into the lower half of the housing (B). Install rubber seal to the bottom of housing (C), secure seal, may need to lightly tap with hammer. Install tire carrier over spindle. Install bearing (D). Next tighten castle nut (E). Tighten nut snug, back off a quarter turn. Swing tire carrier and assure it's secure. Tighten or loosen castle nut to desired feel. Insert cotter pin to secure castle nut. Install bearing cap (F).

A.
B.
C.

F.
E.
D.
A.

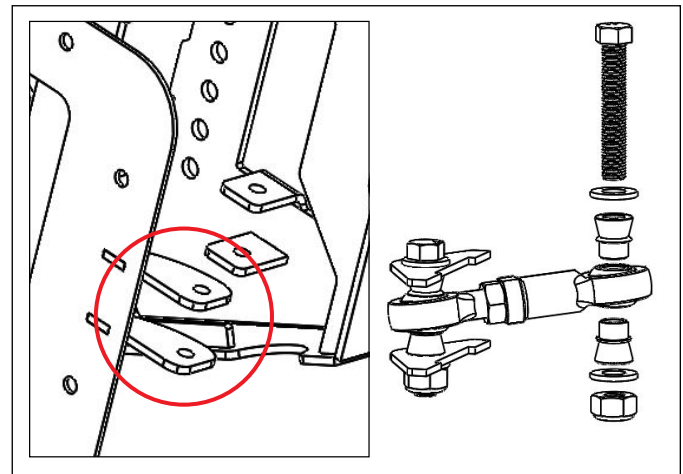# Rugged Ridge XOR Rear Bumper w/ Tire Carrier, JK

STEP 7:
Remove existing OE tire carrier from tailgate. Install tailgate plate and fasten with M8 X 25 Allen cap head bolt with flat and lock washer.
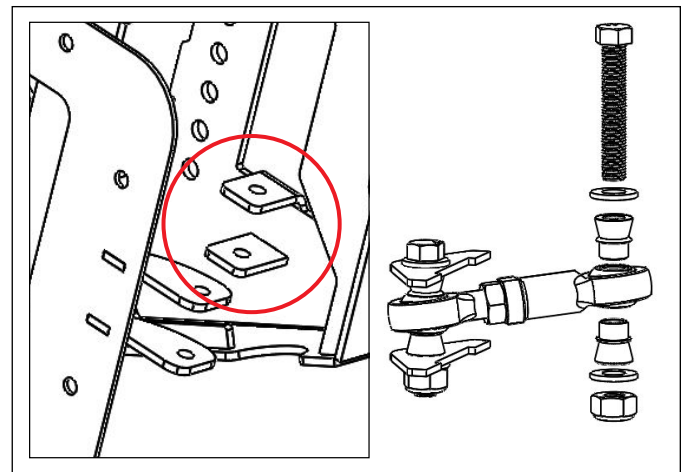

STEP 8:
Install half of the tailgate linkage with M12 bolt with washers, high misalignment spacer and nut.
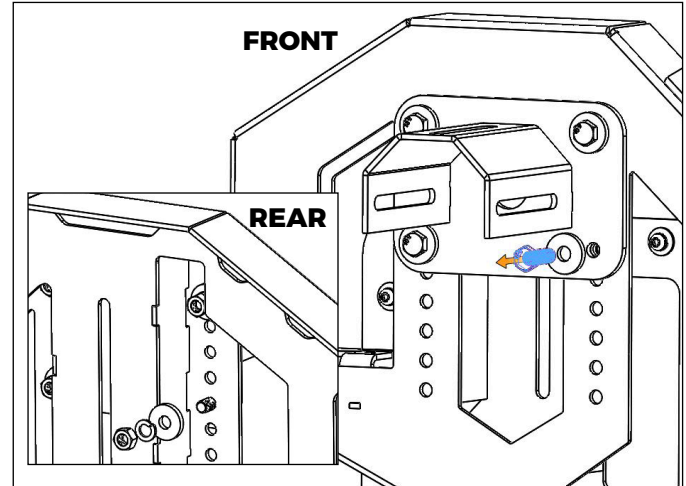Do not tighten at this time.

STEP 9:
Thread other side of the linkage into the linkage from step 8. Swing tailgate and tire carrier near each other to align linkage into the rear of the tire swing out carrier. Install bolt, washer, spacer and nut similar to step 8.
Do not tighten at this time.

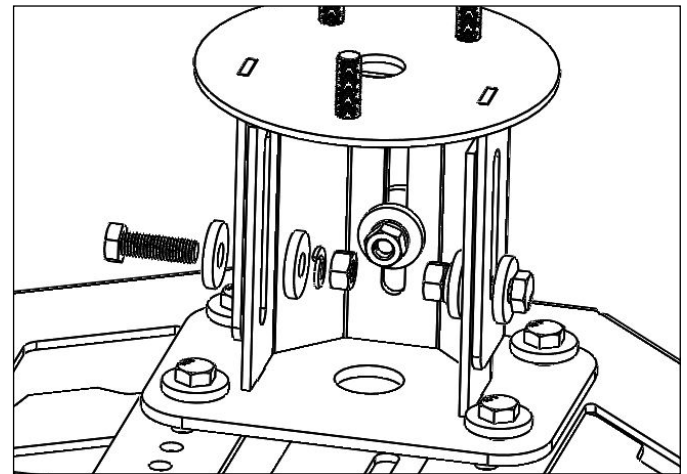# Rugged Ridge XOR Rear Bumper w/ Tire Carrier, JK

STEP 10:
Install tire mount to the swing out tire carrier. Mounts with 4 bolts M12 X 35, flat and lock washers and nut. There are multiple locations available to accommodate different tire sizes.

STEP 11:
To adjust depth of the tire mount to accommodate the spare tire, measure the inside of your wheel. Then install 3 bolts M12 X 35, flat and lock washers and nuts to secure the mount depth.
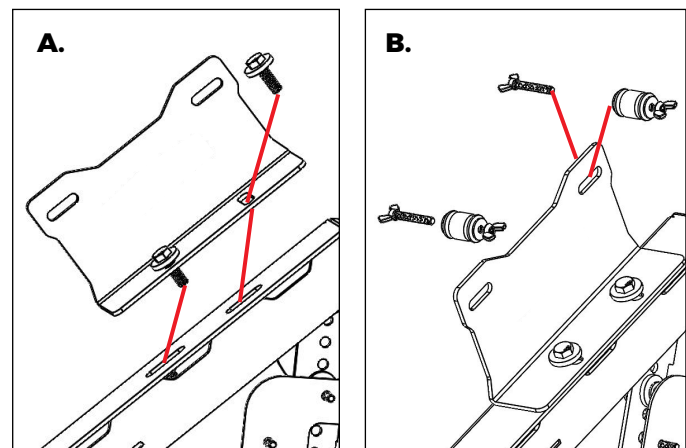
Install spare tire to studs and tighten with provided lug nuts. Best to have a assistant to lift tire into place.

STEP 12:
If you choose to install the bumper jack mount, mount the plate with the logo facing the spare tire. Mount with two bolts M12 X 35 with flat and spring washers and nuts (figure A).

Use the wing bolt to mount the bumper jack to the mount. Slide wing bolt with washer through mount, next install cushion, mount jack and secure with flat, spring washer and wing nut (figure B).
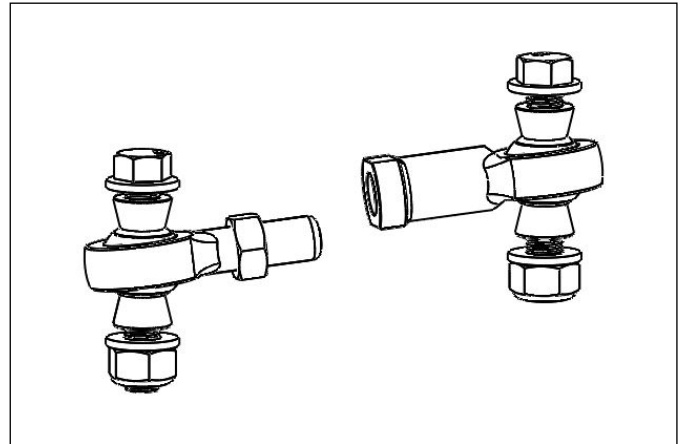
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STEP 13:
Readjust the tailgate linkage for proper fitment. Move the tailgate in and out slowly to see if it binds up. If so, slide one of the bolts out of the mount then spin the linkage and reinstall the bolt. Test again and review if it binds up again. Continue to adjust until the tailgate freely opens and closes securely.

When the tailgate is completely closed there should be pressure against rubber bumper. This will assist in lessening rattle noise.

Once adjustment is made then tighten both bolts of the tailgate linkage.

STEP 14:
Lastly install D-rings.

Maintenance:
Keep spindle well greased. Cap can be removed to determine if additional grease needs to be added.