



EVO-1164

EVO MFG HnT Rear Bumper



Bill of Materials

Part number	EVO-1164 Description	Quantity
EVO-12170	EVO HnT Rear Bumper	1
EVO-12171	EVO JK Rear Cross Member	1
EVO-770062	EVO HnT Hardware	1

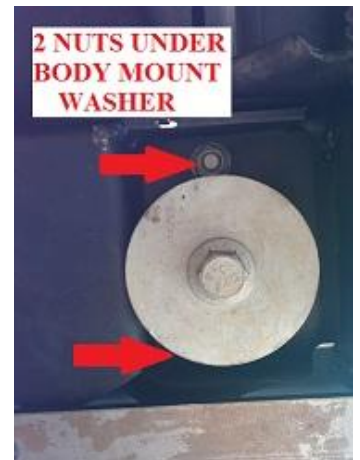
Note: This product requires cutting of the frame, including permanent removal of the rear cross member and hitch receiver. If you're not comfortable with this, do not proceed with install.

Note: This product will not work with the EVO MFG Rear Double Throwdown (EVO-1008)

1. Remove the factory bumper. It is held in place by 16mm bolts in 6 places. 2 on the inside of the rear cross member and 2 on both sides of the frame rails.
2. If installed, remove the factory recovery hook from the frame with an 18mm socket. Be sure to remove the bolt plate from inside the frame as well.
3. Remove the factory muffler. It is held onto the exhaust with a compression clamp. Loosen this clamp with a ratchet and 15mm socket. Remove the muffler from the 2 rubber hangers, 1 on each side. With the clamp loosened and the rubber hangers removed, add WD-40/light oil and work the muffler back and forth to slide it off the exhaust.

Note: This product is compatible with the factory muffler however removal is required for ease of installation.

4. Remove the 2 rearmost body mount bolts, as well as the 4 nuts under the body mount washers (2 on each side).
5. If keeping the factory muffler or a rear mounted muffler, trim the heat shield 3 inches forward of the factory rear cross member. This can be done with sheet metal snips or a similar tool. Otherwise discard the heat shield.



Note: The EVO MFG Rear Cross Member should not be removed once the factory frame cross member has been cut. Be sure that it is painted/powder coated to protect against corrosion before proceeding with cutting of frame.

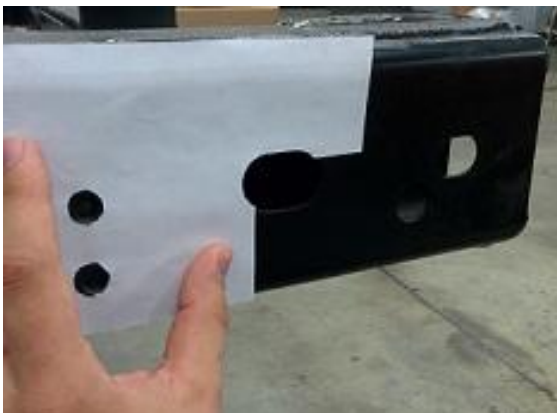
6. Install the EVO MFG Rear Cross Member with the flat edge facing forward. The large holes on each end should fit around the body mounts. Thread the 4 nuts removed in Step 4 back onto the studs next to the body mounts, with all 4 threaded, tighten them.



7. The large washers on both body mounts will need to be clearanced before reinstalling. Remove material from one side, as shown, and reinstall. This can be done with a grinder, cutoff wheel or similar tool.



8. With the EVO MFG Rear Cross Member installed, use the supplied template (at the end of these instructions) to mark the end of the frame on both sides to cut. To use the template, first verify the template scale by measuring the noted dimension. If it is not 6 inches, do not use the template. Cut the template out and then line the 2 holes up with the factory bumper bolt holes (bolts removed in Step 1) and mark along the edge with the jog in it.



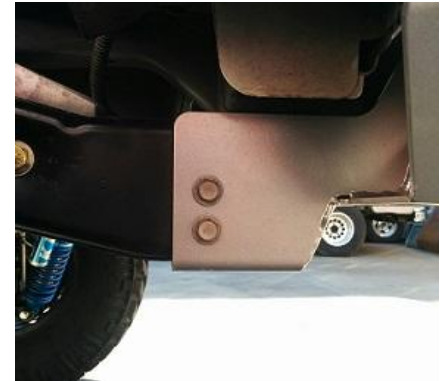
9. Wear safety glasses. Use a reciprocating saw with a metal cutting blade or similar tool and cut along the lines marked in the previous step. Take your time and be careful to not damage the body sheet metal. It may be best to first make a straight cut along the rear body mount edge to remove the cross member, and then make the jog cuts.



10. Use a grinder/sander to clean up the edge left by the saw and remove any burrs.

11. Paint the exposed metal edge to prevent corrosion. Be careful to avoid getting any paint on the body. Mask body if needed.

12. Fit the EVO MFG Frame Cut Rear Bumper onto the frame (the outer edges of the frame may need to be tapped in with hammer to fit bumper over frame). Thread 4 supplied M10 bolts and washers through the bolt plates and into the frame (2 on each side), as shown. Do not fully tighten at this time.



13. Thread the remaining 2 M10 bolts, nuts and washers through the bottom of the bumper and cross member. Use 17mm wrench and socket to tighten them.

14. With the bumper tightened to the cross member, tighten the 2 bolts on each side into the frame using a 17mm socket.

15. If applicable, reinstall the muffler by working it back onto the exhaust, tightening the clamp and reattaching it to the rubber hangers.



VERIFY THAT THIS DIMENSION IS 6" BEFORE USING TEMPLATE OR CUTTING

6.00

← REAR OF VEHICLE

MARK THIS
EDGE TO
CUT

MARK THIS
EDGE TO
CUT

FACTORY BUMPER
BOLT HOLES

