

RCI 19+ Ranger Engine Skid Plate Install Guide

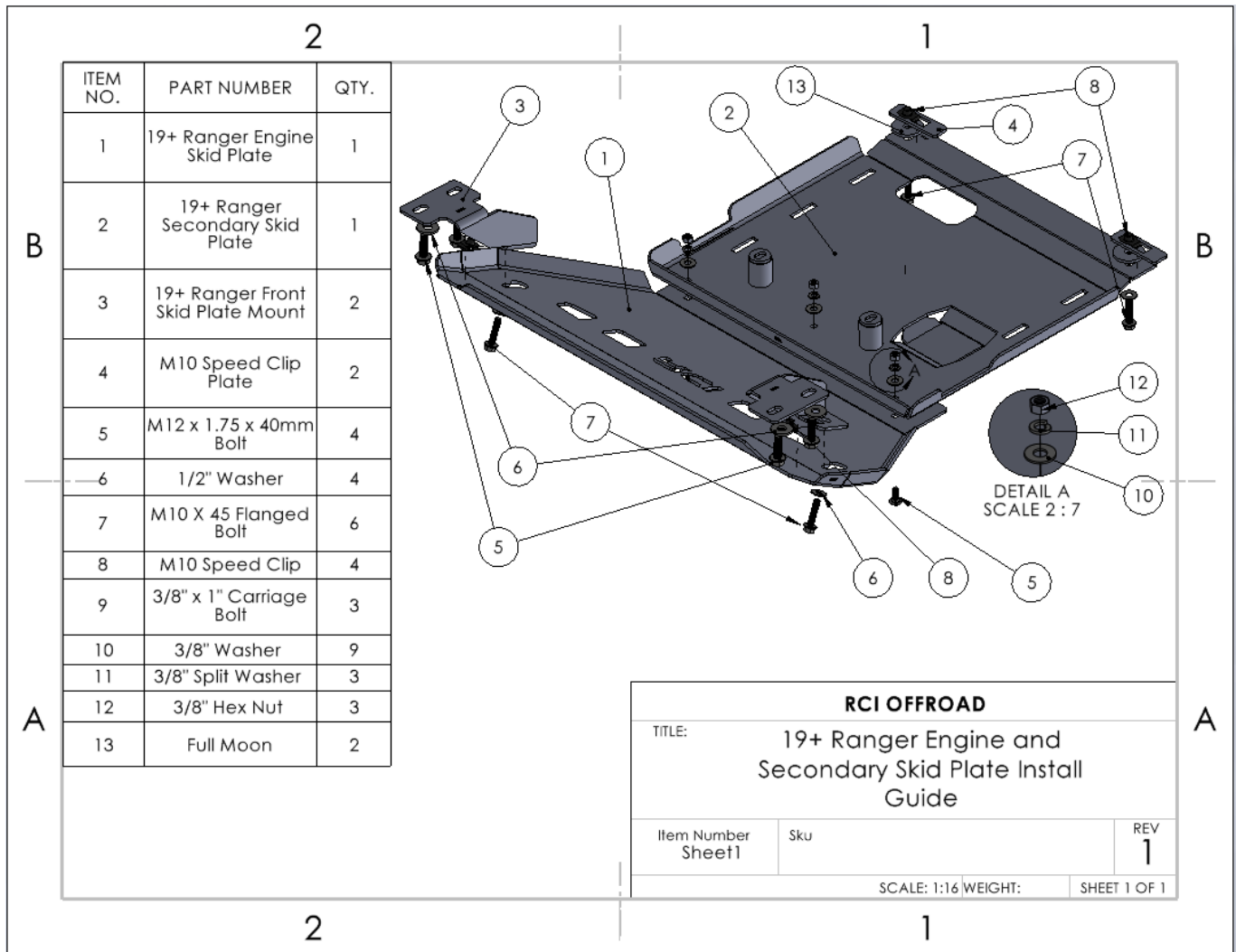
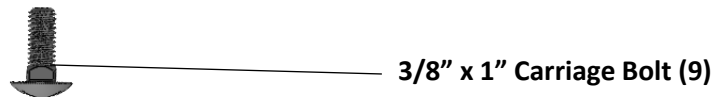
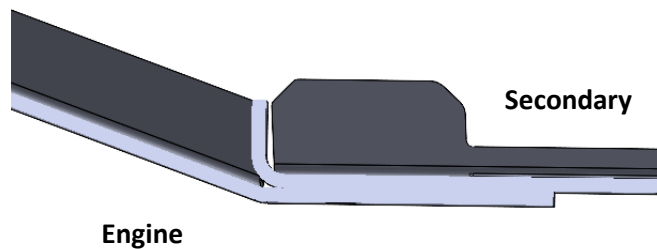
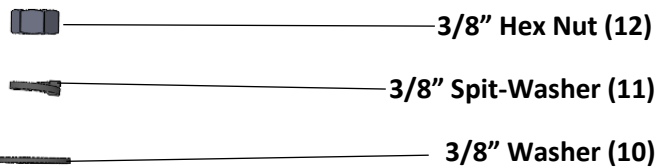
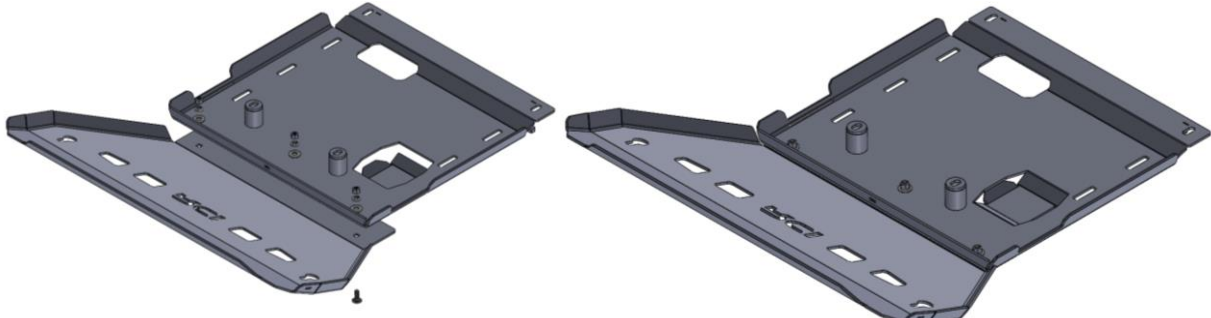


Figure 1: Assembly with hardware

Installation Steps:

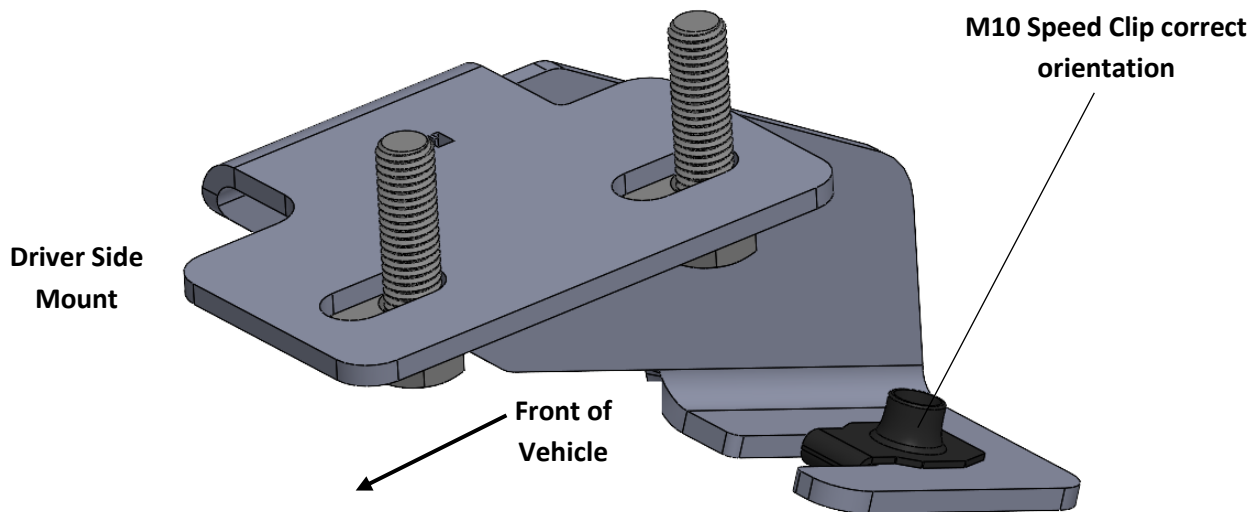
1. Begin by unpacking and removing all components and hardware. Please verify that all hardware, components, and mounting components are present. Please reference your original order invoice and verify all items are accounted for.
2. Secure the Secondary skid plate to the Engine skid plate using the included 3/8" X 1" carriage bolts (#9), 3/8" washers (#10), 3/8" split-washer (#11), and 3/8" hex nut (#12). Please refer to the figures below for the correct orientation of the engine and secondary skid, as well as hardware orientation.



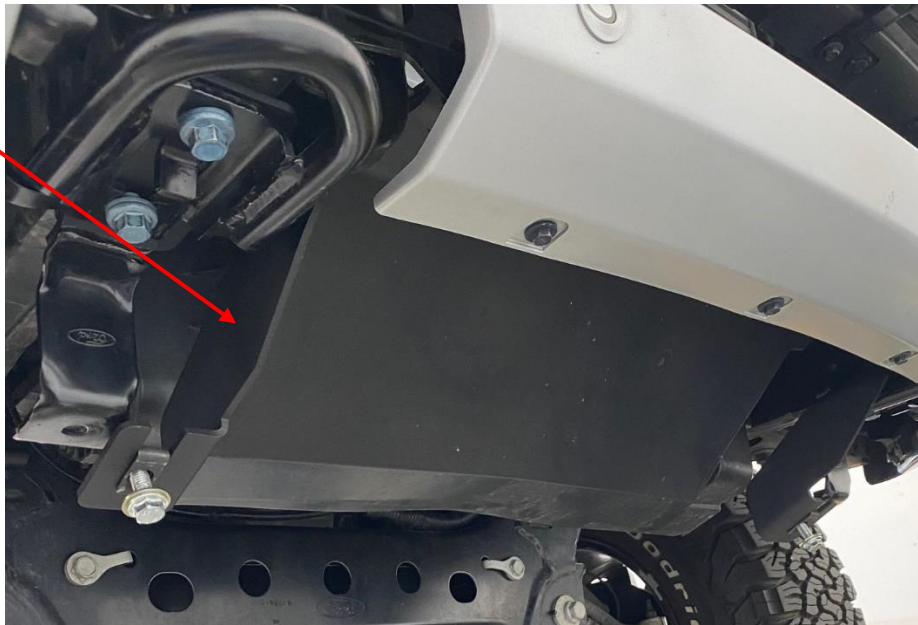
3. If applicable, remove the factory front and secondary skid plates (covering the front differential) or plastic air dam from the front underside of the vehicle.



4. Locate the 2 (two) front most tow hooks on the vehicle and remove the rubber covers exposing the OEM mounting bolts underneath.
5. Using a 17mm socket remove the 4 bolts securing the factory tow hooks.
6. Once the tow hooks are removed, collect the 2 (two) Front Skid Plate Mounts (#3), 4 (four) M12 x 40mm Bolts (#5), 4 (four) ½" Washers (#6), and 2 (two) M10 Speed Clips (#8).
7. Install the 2 (two) M10 Speed Clips (#8) on the Front Skid Plate Mounts (#3) so that the top of the speed clip is facing upwards.
8. Install the Front Skid Plate Mounts (#3) underneath the factory tow hooks as depicted below. Leave these mounts loose for small adjustments when mounting the skid plates.



Front Skid Mount
correct orientation



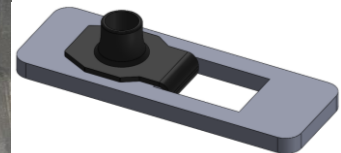
9. Next prepare the rear mounting locations by installing the remaining 2 (two) M10 Speed Clips (#8) on the 2 (two) Speed Clip Plates (#4).
10. Feed the 2 (two) Speed Clip Plates (#4) into the crossmember to align with the outermost holes as depicted below.

↑
Front of
Vehicle

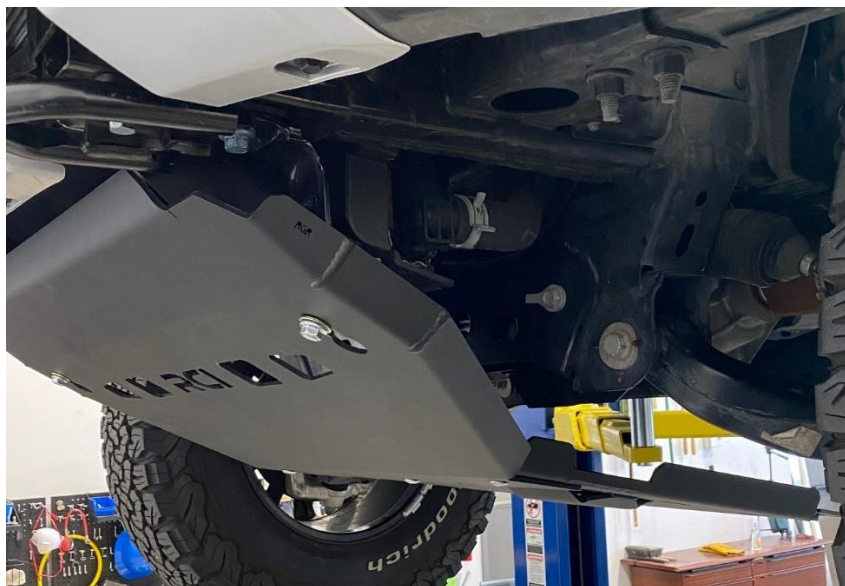


Insert Speed Clip
Plate from the side of
the crossmember
to rest above the
depicted holes.

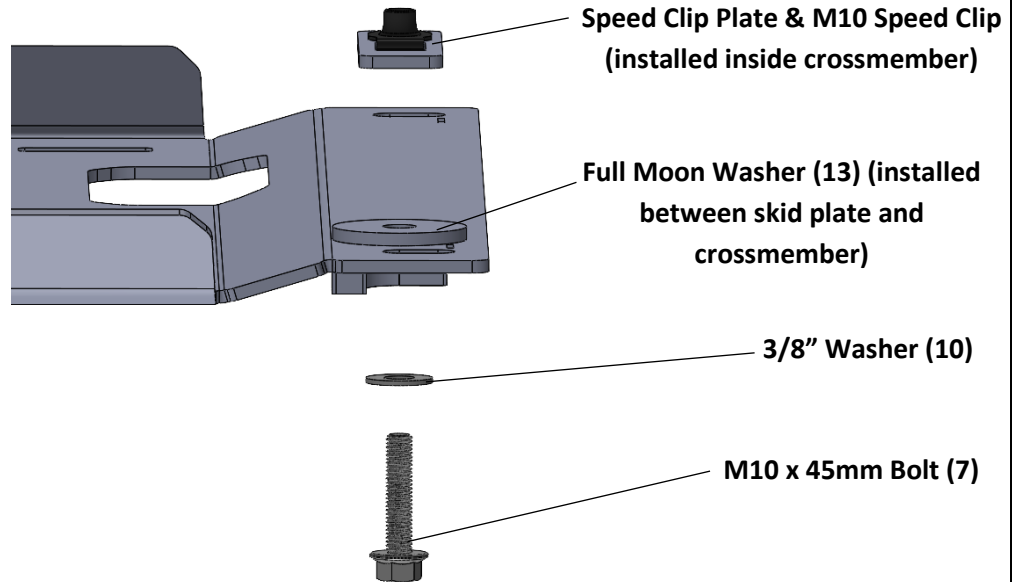
(#4) & (#10)



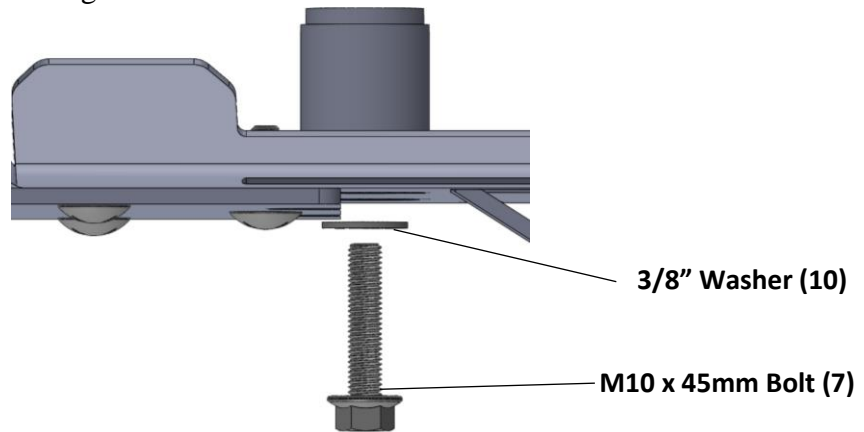
11. Once all mounting hardware is in place, install M10X45mm bolts (#7) and 3/8" washers (#10) in the recently installed Front Skid Plate Mounts. Leave approximately 1/2" of thread exposed between the vehicle chassis and washer.
12. Lift the assembled Engine and Secondary skid plates to their approximate final location. Pass the washer and bolt assembly installed in step 4 through the keyhole shaped cutouts at the front of the Engine skid. Lower the Engine and Secondary skid assembly, allowing it to rest on the front bolts and washers.



13. Lift the rear of the Secondary skid package until it contacts the vehicle chassis. Loosely install 2 (two) of each; 3/8" washers (#10), M10x45mm bolts (#7) and Full Moon washers (#13), in the rear-most mounting points of the Secondary skid.



14. Next, loosely install a set of 3/8" washers (#10) and M10x45mm bolts (#7) in the central mounting points of the skid plate. The skid plate may need adjustment forward and backwards to align with the factory mounting locations.



15. Complete the install by tightening the center bolts from step 14, followed by the front bolts from step 11 and finishing with the rear bolts from step 13.



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