



INSTALLATION INSTRUCTIONS WARN SKID PLATE

For: JEEP WRANGLER, 4 & 6 CYLINDER, +'97
(Excludes Rubicon model)
Kit Number: 65020 & 65152

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

WARNING signals a hazard that *could* cause serious injury or death, if you do not follow recommendations.

CAUTION signals a hazard that *may* cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **NOTE**: to emphasize general information worthy of special attention

WARNING

Injury Hazard

Failure to observe these instructions could lead to severe injury or death.

- Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- Never** fasten the skid plate or skid plate brackets in a position that will interfere with or damage brake lines, electrical wires, fuel tank or other objects. Damage to vehicle brakes, electrical system, or other systems may occur if brackets are installed improperly. Tighten all fasteners securely to torque specs
- Always** use extreme caution when cutting and trimming during fitting.
- Always** remove jewelry and wear eye protection.
- Always** use appropriate and adequate care in lifting components into place.
- Always** insure components will remain secure during installation and operation.
- Always** tighten all nuts and bolts securely, per the installation instructions.

NOTES:

This product has been designed to fit the stock 4WD TJ Jeep. Some vehicles may have dealer or factory-installed options that may interfere with the mounting hardware. This kit is compatible with a large variety of lift kits, however some lift kits it will not work with e.g. vehicles where the trailing arm frame brackets have been removed. Examine the frame and underside of the vehicle thoroughly and read through these instructions to make sure all mounting locations are still intact before installing the skid plate.

This kit has been designed to provide the maximum strength, with a minimum amount of labor when installed as instructed. We strongly recommend that all fasteners be installed as instructed.

PARTS LIST

PART NO.	QUANTITY	DESCRIPTION
1145	2	1/2" Flat Washer
1324	2	5/16" Flat Washer
1829	4	3/8" Lock Washer
2002	2	5/16-18 Nylock Nut
7355	2	5/16-18 x 1" Carriage Bolt
13697	4	3/8-16 Square Nut
29060	1	1/2-13 Nylock Nut
29136	4	Button Head Bolt, 3/8-16 x 1"
60592	1	Button Head Bolt, 1/2-13 x 1-1/2"
64243	2	Hex Head Bolt, M14-2.00 x 110mm
64177/64183	1	Skid Plate (6 or 4 Cylinder)
64181	1	Right Bracket
64242	1	Left Bracket
64244	2	Shim

TOOLS REQUIRED

Ratchet, 1/2" or 13mm, 21mm, and 22mm Socket
21mm and 3/4" Wrench
7/32" and 5/16" Allen Wrench
Torque Wrench

TORQUE SPECIFICATIONS

M14 Bolts	130 lb. ft. (176.3 N-m)
1/2" Bolts	75 lb. ft. (101.7 N-m)
3/8" Bolts	30 lb. ft. (40.7 N-m)
5/16" Nuts	17 lb. ft. (23.0 N-m)

1.) INSTALLATION OF SKID PLATE BRACKETS

! WARNING

Always support the front axle in a manner to prevent rotation. The best way to do this is via vehicle hoist. **Never** remove both M14 bolts from the trailing arms at the same time. Failure to support the axle and/or removing the bolts at the same time could cause the vehicle to become unstable resulting in property damage, injury or death.

The skid plate mounts as shown in Figure 1. The brackets holding it to the vehicle will be mounted to the frame of the vehicle then the skid plate mounted to them. Remove the M14 bolts holding the trailing arms on one at a time. Using the M14 bolts and washers supplied with the kit loosely mount the skid plate brackets as shown in Figure 2 and Figure 3. Tighten the driver's side down. If there is a gap on the passenger side between the bracket and frame, use one or both of the shims supplied to take up the space.

2.) INSTALLATION OF SKID PLATE

Place the 4 3/8" square nuts in the frame brackets as shown in Figure 4. If the vehicle has carriage bolts already in the transfer case mount/skid pan, remove these before installing the skid plate. Mount the skid plate as shown in Figure 1 and Figure 4. Use the 1/2" button head bolt and locking nut on the passenger side of the vehicle. When installing the 5/16" carriage bolts in the rear make sure to use the 5/16" flat washers on the topside. Tighten to torque specifications listed above.

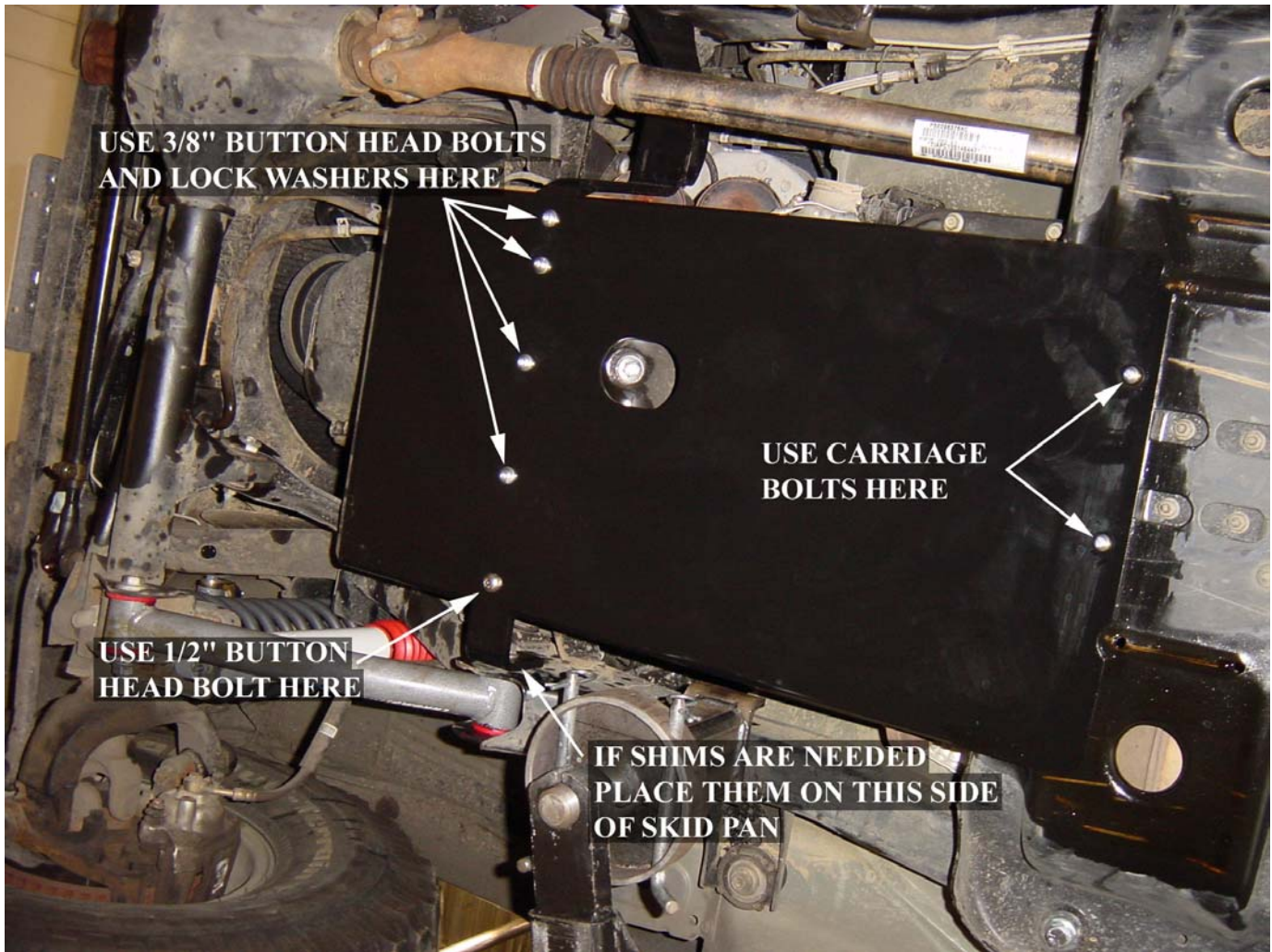


Figure 1: SKID PLATE CONFIGURATION AND LOCATION (viewed from rear of vehicle).



Figure 2: DRIVER'S SIDE MOUNTING LOCATION.



Figure 4: INSTALL THE M14 BOLTS FROM THE OUTSIDE.

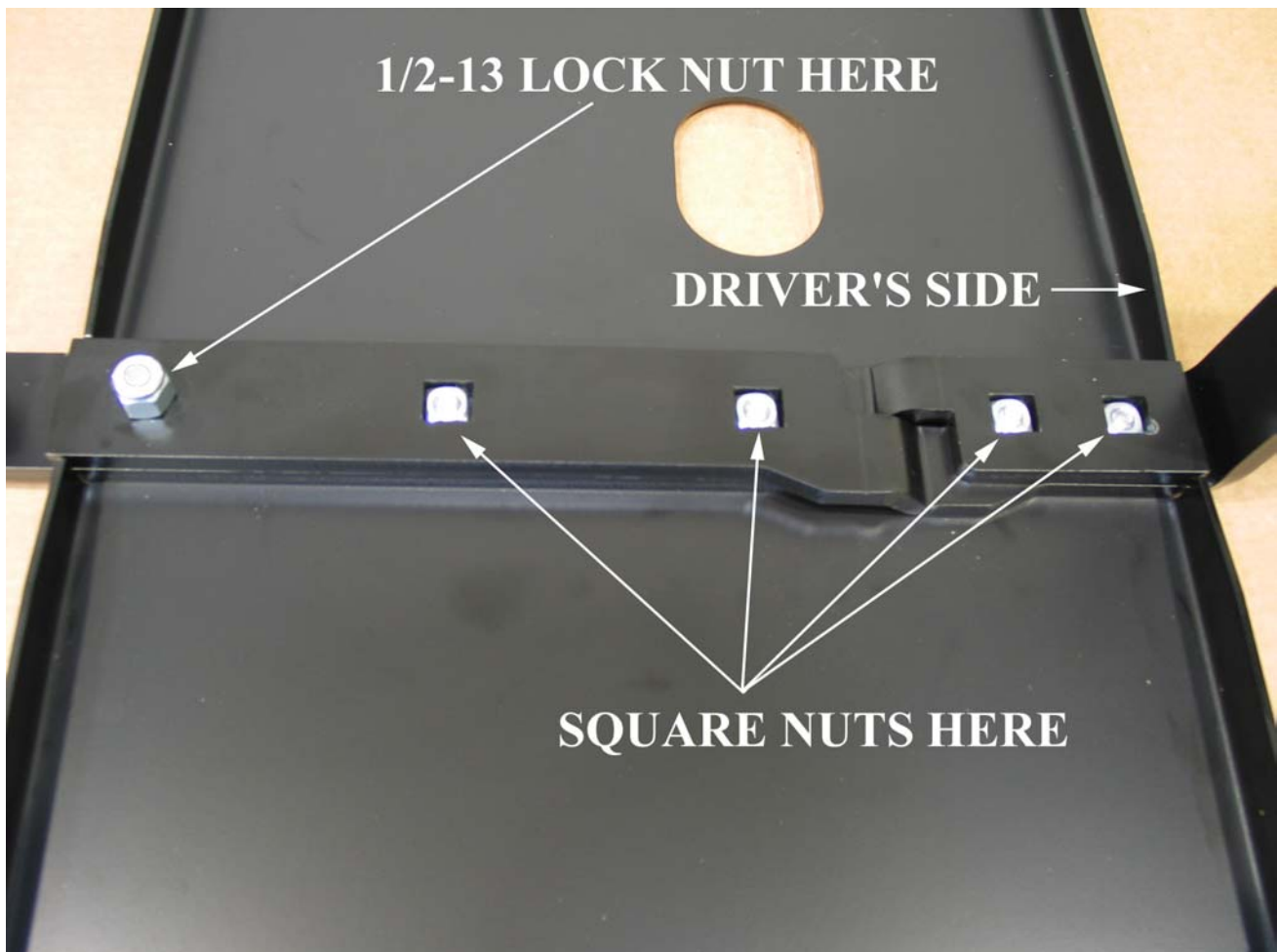


Figure 3: FASTENER LOCATION (viewed from top)