

TERAFLEX

PRODUCT INSTALLATION GUIDE

Universal Mud Flaps

Part #4808401



Important Notes: These instructions include two methods of installation. Mud flaps may be installed by either bolting or welding.

Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications.

Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local retailer for assistance.

Component Item ID	Item Name	Qty Per Assy
4808401	Mud Flap Kit W/Flaps	
86	Flat Washer 3/8" Stainless	8
87	Bolt 1/4-20X1.5 Hex Stainless	8
88	Nut 1/4-20 Lock Stainless	8
89	Washer 1/4 Flat Stainless	8
90	Bolt 5/16-18X1" Type F Hex Zinc Self Tap	8
91	Pin Wire Lock 1/4X2"	2
92	Cap 3/4"Sqr Plastic	2
808400	Bar Mud Flap 1 Qty	2
808401	Bracket Steel for Mounting Mud Flap Bars	2
808402	Bracket Clamp for Mud Flaps	2
10073	Mud Flap 1 Pair	1

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Required Tools:

Basic set of SAE & Metric Wrenches
 Basic set of SAE & Metric sockets
 Drill and Drill Bit 17/64
 Hack saw

Recommended Tools:

Cut off tool
 Welder
 Grinder

Bolting Procedures

1. Insert bolts with washers through aluminum bracket clamp with the bend of the clamp at the bottom going away from the mud flap, line them up onto mud flap, and press the bolt through the mud flap. (Photo #1)



2. Place mud flap onto the mounting bar and install locking nuts on the back. Make sure that you do a left and a right. (Photo #2)



3. Insert plastic cap on the outside of the bar. (Photo #3)



4. Place bar into bracket and hold it up to the frame and see where it looks good. Remember these are universal mud flaps so every application is different. Use your best judgment to see where they look best, or have someone look from the back and tell you where they look straight, then mark the holes with a paint pen or silver sharpie. (Photo #4,5)



5. Use a center punch to mark center of hole. (Photo #6)



6. Drill out four holes with a 17/64 drill bit.(Photo #7,8)



7. Place bracket onto frame and use a 1/2 Socket to drill self tapping bolts into the frame. (Photo #9)

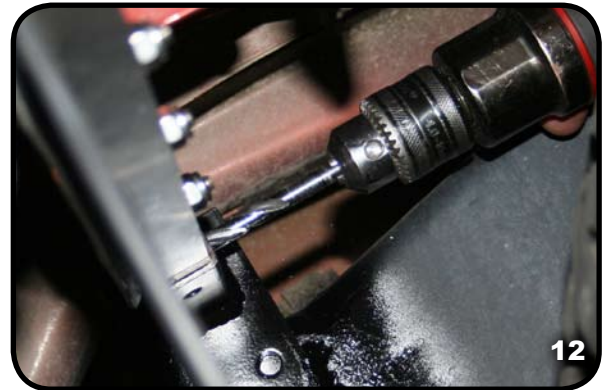


8. Insert bar into bracket and see how it covers the rear tire. You may need to trim it so the

mud flap is covering the width of the tire. Trim to fit. (Photo #10,11)



9. If you cut the bar, mark where you need to drill your new pin hole and drill it with 17/64 drill bit. (Photo #12)



10. Install bar and spring pin

Welding Procedures

11. Insert bolts with washers through aluminum bracket clamp and line them up onto the mud flap and press the bolt through the mud flap (photo#13)



12. Place the mud flap on the mounting bar and install the locking nuts on the back of the bar. Make sure that you do a left and right mud flap. (Photo #14)



13. Insert plastic cap on the outside of the bar. (Photo #15)

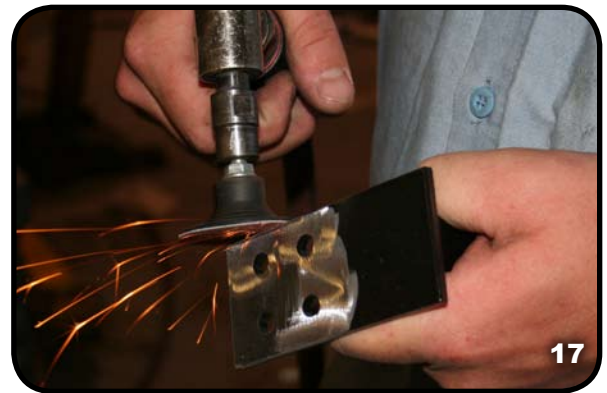


14. Place bar into mounting bracket and hold it up to the frame and see where it looks good. Remember these are universal mud flaps so

every application is different. Use your best judgment to see where they look best, or have someone look from the back and tell you where they look straight, then mark around the bracket so you can see where you need to prep the frame for welding. (Photo #16)



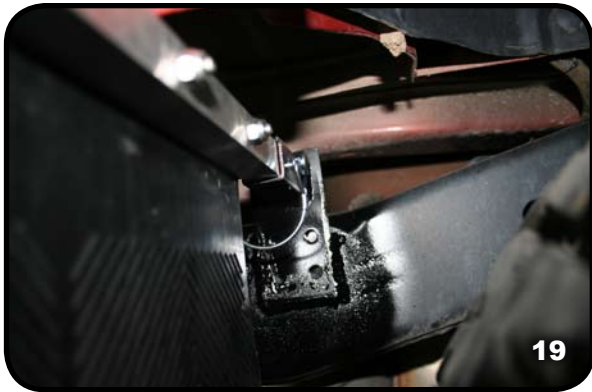
15. Clean powder coat off bracket where you will weld. (Photo #17)



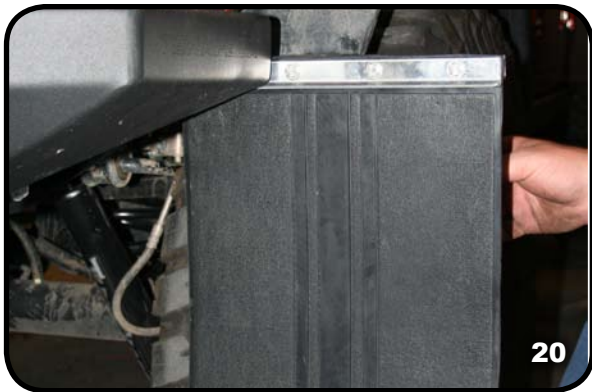
16. Place mud flap onto frame and tack weld where you think it looks good, double check by standing back and looking see if you need to make adjustments before your final welding. (Photo #18)



17. Once brackets are welded in place paint the welded area to protect from rust and corrosion. (Photo #19)



18. Insert bar into bracket and see how it covers the rear tire. You may need to trim it so the mud flap is centered over the tire. Trim to fit. (Photo #20, 21)



19. If you cut the bar, mark where you need to drill your new pin hole and drill it with 17/64 drill bit. If your drill fits drill it out with it installed in the bracket. (Photo #22)



20. Install bar and spring pin (Photo #23)





PRODUCT INFORMATION

MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

TERAFLEX PRODUCT WARRANTY:

Tera Manufacturing warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by TeraFlex's two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

Tera axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. Tera Manufacturing will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

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