Old Body SOS Fuel Line Retainer Kit

This is a complete kit for supporting the rear fuel lines and the adjacent rear brake line that runs down the left frame rail of GMT400 Trucks and SUVs. Unlike the original part that was prone to failure, this replacement kit has been engineered using solid, durable plastic to correct the common issues with the OEM part.

Made in USA

Tools and Supplies needed:

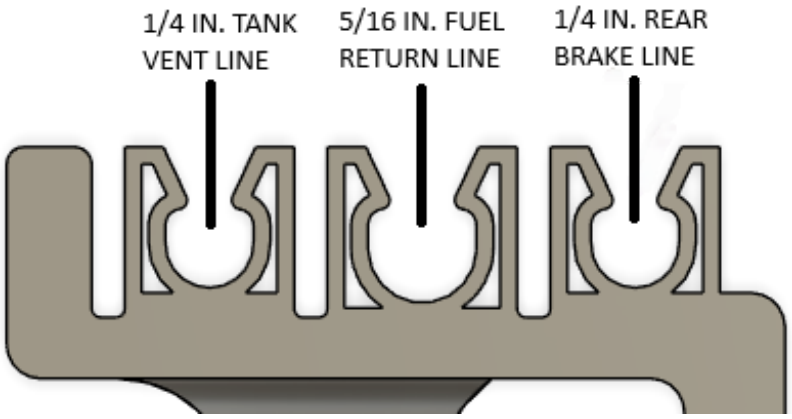
1/4” drive 13mm socket with extension
Adjustable pliers
Steel wool or scotchbrite pad
Anti-seize (optional)
Blue Loctite (optional)

Parts List:

GMT400-FKA Fuel Filter Bracket
GMT400-FKB 4-Line Bracket (x2 for some)
GMT400-FKC 3-Line Retainer Clip
GMT400-FKL 2-Line Vapor / Brake Line Bracket
GMT400-FKE 2-Line Retainer Clips (early style)
GMT400-FKF 2-Line Retainer Tray (later style)
GMT400-FKM 1-Line 3/8” fuel line bracket

GMT400-FKA - Fuel Filter Bracket:

DIAGRAM 1



STEP 1: Remove what’s left of your old fuel filter bracket and rear 4 line retainer bracket(s). These are held on with 13mm bolts. Leave the fuel lines connected to the fuel filter unless you are changing the filter.

STEP 2: If you are changing the filter, do so now. Otherwise, skip to step 3.

STEP 3: Locate the areas where the lines will snap into the retainers. This should be clear from markings left by the old brackets. Use a small piece of steel wool or scotchbrite pad to clean the lines a little beyond where you think you need.

STEP 4: Fish the fuel filter bracket around the inlet fuel line of the filter using the gap provided on the bracket and insert the fuel filter into the filter retainer.

STEP 5: Placing the bracket in the approximate installation location, line up the rear brake line (closest to the chassis) with the first retainer as pictured in diagram 1. You may need channel locks to help get this line snapped in. Put a piece of cardboard between the brake line and the pliers to prevent damage. Squeeze the line into the retainer using the lower plier jaw against the bracket. With a small amount of pressure the line will snap into place.

STEP 6: Snap in the fuel return line to the second retainer as indicated in diagram 1. You may be able to squeeze this one in yourself, if not use the plier trick from step 4.

STEP 7: Snap the fuel tank vent tube into the third retainer as indicated in diagram 1 (use pliers if necessary.

STEP 8: Apply anti-seize to the mounting bracket mounting bolts (optional) and install the bracket on the frame using the 1/4” drive 13mm socket. It just needs to be snug -- DO NOT OVERTIGHTEN.

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STEP 9: Install the fuel filter retainer bolt and washer with the threads facing down. Apply a small amount of blue loctite (optional) to the threads and install the lower washer and wingnut. Holding the knurled allen bolt with one hand, turn the wing nut until it is finger tight. DO NOT OVERTIGHTEN.

STEP 10: Route the rear wiring harness into the wire harness retainer on the bottom of the bracket.

GMT400-FKB - Rear 4-Line Bracket:

NOTE: If you bought the Crew/Ext Cab Truck or Four Dour SUV kit, you will have two of these

STEP 11: Locate the areas where the lines will snap into the retainers. This should be clear from markings left by the old brackets. Use a small piece of steel wool or scotchbrite pad to clean the lines a little beyond where you think you need.

STEP 12: Install the bracket using the same procedures as steps 5-8 above, but install the large 3/8 fuel line in the larger, outermost retainer.

STEP 13: Apply anti-seize to the bracket mounting bolt (optional) and install the bracket on the frame using the 1/4" drive 13mm socket. It just needs to be snug -- DO NOT OVERTIGHTEN.

GMT400-FKC - 3-Line Retainer Clip:

STEP 14: Snap the 3 line retainer clip onto the lines in front of the fuel filter bracket up near where the lines start to split apart. This will help ensure line spacing is consistent between the other brackets.

GMT400-FKL - 2 Line Retainer:

STEP 15: Install the 2 line and wiring harness retainer up near the frame transition where the front and rear frame members are joined together (next to shift linkage for automatics) using the same installation procedure as the other brackets. Correct installation for most models has the rear brake line on the bottom and the fuel vapor line above. You may need to slightly bend your metal lines to adjust for spacing as it is common for them to be deformed in this area due to work over the years. Be careful not to torque the lines hard against the other retainers you installed to prevent snapping the retainers.

GMT400-FKM - 1-Line Fuel Supply Retainer

STEP 16: This retainer secures the 3/8" fuel supply line to the frame just in front of the fuel filter.

GMT400-FKE/FKF - 2-Line Retainer

STEP 17: NOTE: early years had two clips for the TB supply and return, later use a tray-style retainer.

Early: Install the (two) 2-line fuel retainers onto the bracket near the engine bay using antiseize and a 13mm socket. Make sure to note the different line sizes and orient accordingly. DO NOT OVERTIGHTEN.

Later: Install the retainer tray onto the frame bracket behind the front left wheel using the provided stainless hardware. Suggested: apply locktite before installing the wingnut hand tight. A screwdriver may be required to hold the screw still during installation.

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