

RYCO FUEL WATER SEPARATOR FILTER KIT - RFWK101

Application: Ford Ranger PX & Mazda BT-50 Kit Contents:

ENGINE BAY LOCATION:

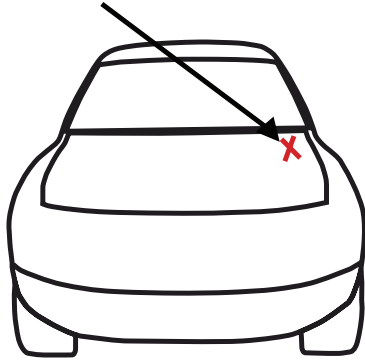


ILLUSTRATION ONLY



Item Description	Qty
Ryco Fuel Water Separator Filter	1
Additional Z980S Filter	1
3/8" X 1/4"-18NPT Right Angle Fitting	2
Quick Connector Right Angle Fitting	2
Flat Washer 6mm	3
Hex Bolt M6*25mm	3
Flange Nut M6	3
Fuel Hose Clamp 8-16mm	4
Fuel Injection Hose (10mm)	1
Installation Bracket	1
Thread Sealant Loctite 567	1
Cable Tie	4
Fitting Instructions RFWK101	1

WARNING:

1. Ryco recommends the assembly be fitted as a pre-filter only acting as a first line of defence.
2. Ensure the engine bay and work station is clean from contaminants that may get into the components to be fitted.
3. To avoid fuel leaks apply Loctite® 567 thread sealant (supplied) to all brass fittings fitted to the filter assembly.

Caution: Beware of hot engine bay components.

Steps:

1. Remove the 10mm bolt securing the corner of the fuse box then do the same with the 13mm bolt securing the ABS unit to the vehicle. Refer top image of bolt locations.
2. Remove the plastic clip from the firewall cover using a small screwdriver.
3. Due to engine bay space limitations, once the bracket is installed remove the original plastic fuel hose coming from the tank to the main fuel filter. Start by unclipping the larger lower push on fitting coloured red from the filter assembly, follow the line and remove the push on fitting at the other end. If unsure, there is flow direction on top of the vehicle's fuel filter housing.
4. Use one of the quick connectors supplied in the kit and push it in to one end of the fuel injection hose supplied. It requires a firm push. Applying a small amount of oil may assist. Push all the way in and secure with the hose clamp supplied. Connect the hose to the line from the tank (lower section) and leave the other end easily accessible for later on.
5. Install the filter bracket by sliding it under the rails of the fuse box and ABS unit. The top bracket section must be under the firewall section were the plastic clip was previously removed. Re-use both bolts removed to secure the bottom of the bracket. Use the 6mm bolt, washer and flange nut (as supplied) to secure the top section to the vehicle.
6. Install the brass fittings to the Ryco filter aluminum assembly using the thread sealant (supplied) to avoid fuel leaks. Apply the sealant all around the first two threads of the fitting and also apply a small amount to the first couple of threads of the assembly. Both fittings need to be facing straight down to the floor. Lastly, use the two 6mm bolts, washers and nuts remaining to secure the filter assembly to the bracket. Make sure the filter, bowl and the drain plug are all screwed in properly.
7. Secure the assembly to the bracket using the remaining two 6mm bolts, washers and nuts. Make sure the filter, bowl and drain plug are all screwed in tightly.
8. Pick up the fuel injection hose and measure the length needed to reach the inlet brass fitting on the filter assembly without being stretched. Cut to the desired length, insert one hose clamp and connect the hose to the inlet and secure it with the clamp.
9. Connect the remaining quick connector to the hose left following the same technique securing it with a clamp. Connect to the inlet of the factory filter unit. Insert another clamp and connect the other end of the hose to the outlet of the Ryco unit and secure it with the clamp.
10. Bleed the air out of the system by loosening the screw on the top of the Ryco filter head. Switch the ignition on and waiting a couple of seconds before switching the ignition off (some diesel fuel will come out the bleeder screw) again tighten the filter head bleeder screw. Start the engine again to check there are no fuel leaks, if the engine stalls simply switch the ignition on, wait for a couple seconds and try again.
11. Inspect the fuel filter bowl frequently for any signs of water. If water is visible loosen up the drain plug and let the contaminated fuel drain out until good fuel comes out. Tighten the drain plug. To complete the process pour some water around the engine bay filter area to flush out any diesel fuel.