# WESTERN FILTERS

# FORD Ranger / MAZDA BT-50

2011-on 3.2L 2.2L





Use this guide to assist in the installation of the Western Filters, Fuel Manager Pre-Filter Kit. This kit will only fit the stated vehicle. Although these kits are aimed at DIY enthusiasts, we suggest the inexperienced organise a mechanic to carry out the installation.

#### BEFORE STARTING: PLEASE READ THIS IMPORTANT INFORMATION

- Ensure the engine bay is clean and free from contaminants.
- The Fuel Manager unit has arrows which indicate flow located under the ports.
- Install all fittings & plugs into the filter assembly using a suitable thread paste such as Permalock Thread Sealant.
- \*\* Kit contents may change due to refinement or parts availability.

## **Fitting Instructions:**

- Remove the 10mm head bolt from the top left corner of the fuse box (looking towards the rear of the vehicle) and the 13mm head bolt from the ABS unit mount.
- 2. Place Fuel Manager (FM) Bracket in the engine bay with the flat side towards the firewall. Line up the bolt holes on the bracket with the holes for the fuse box and the ABS unit. Install bolts and tighten.
- 3. Install the brass male quick fittings in the filter. Looking at the front of the filter, install the fittings in the outlet on the right hand side and the inlet on the left hand side. Install blanking plugs in remaining ports.
- 4. Attach filter to the bracket securely.
- 5. Remove the RED quick fitting from the original filter head (the larger lower fitting) and the other end of the pipe coming from the tank. Remove the factory piece of pipe.
- 6. Install a 9.89mm quick fitting in one end of the supplied fuel hose and attach to the supply from the tank. Cut the fuel hose to length and insert another 9.89mm quick fitting into the other end of the fuel hose. Connect to inlet of the FM unit.
- 7. **Before Completing Next Step:**Place a receptacle to catch fuel under the outlet of the FM unit.
- 8. Turn the key to ON position to prime the FM assembly with fuel. Once the filter is full, turn to OFF position.
- Insert a quick fitting hose into one end and secure to the inlet of the factory filter. Insert the last quick fitting hose into the other end of the hose and attach to the outlet of the FM unit.
- Turn key to ON and allow sufficient time for remaining parts to prime.
  Start Vehicle and inspect for leaks.
  Secure any loose fuel lines from rubbing through.











### FM621DPK Kit Contains:

1x Fuel Manager 100 30 Micron Filter Assy

1x Vehicle Specific Bracket

1x Fuel Line Rubber 10mm DFL10

1x 2xBolts 2xNuts 4xWashers

2x 1/4" NPT Straight 12mm

2x 1/4" NPT Plug DP733-04

2x 9.89 Elbow Barb 8mm

2x Push-on 90° 12mm

2x Hose Clamp 10mm

1x Thread Sealant 6ml

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