

# Fuel Filter Minder®

## Service Bulletin and Installation Instructions



### How it works:

The Fuel Filter Minder service indicator monitors the suction fuel filter on diesel engines. When fuel filter restriction develops, the yellow position indicator moves in the clear window. It locks at several points so that fuel filter restriction can be noted even when the engine is shut down. The position indicator will continue to move as restriction increases until finally reaching the red zone or fuel filter change. The fuel filter should be changed when the yellow position indicator approaches or enters the red zone. It is normal to see fuel inside the clear bowl of the Fuel Filter Minder.

### Benefits:

- Onboard diagnostics tool for troubleshooting the fuel system
- Takes the guesswork out of fuel filter maintenance
- Can extend fuel filter service life
- Prevents downtime from plugged fuel filters
- Lowers operational costs

### Fuel filter restriction:

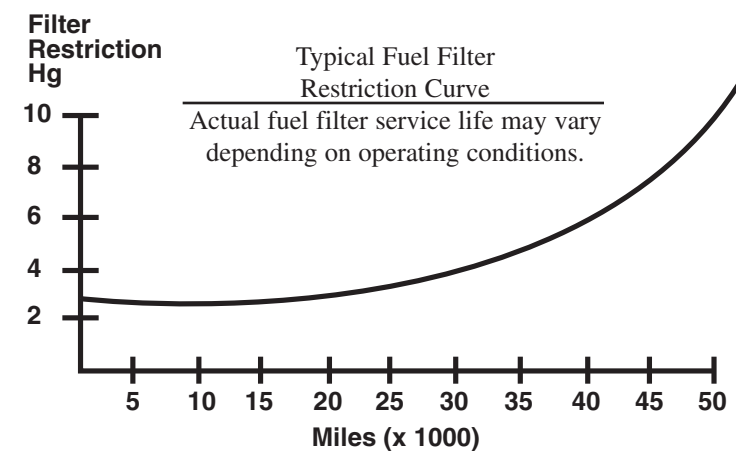
The maximum plugged fuel filter calibration usually ranges from 8.5 to 12 inches Hg depending on the engine manufacturer's specifications. A common calibration is 10 inches Hg maximum. If uncertain, contact Filter Minder or check the engine manufacturer's specifications.

The calibration of the Fuel Filter Minder can be located in the red zone of the service indicator. Also, the last two numbers of the Fuel Filter Minder part number indicate the calibration.

### Fuel Filter characteristics:

Fuel filters operate through most of their service life at low restriction levels. Then, towards the end, restriction rises rapidly (see figure 1). There is not a linear correlation between filter restriction and service life. Because of this, fuel filter restriction needs to be checked more frequently, as a fuel filter nears the end of its service life.

Figure 1



### Cold weather operation:

Cold temperatures can cause fuel to wax, which increases the viscosity. High fuel filter restriction may occur, and the fuel filter service indicator will read the restriction and lock at the highest point. The position indicator may even reach the red zone. The Fuel Filter Minder will need to be reset to zero once the waxing condition subsides.

### Installation Instructions:

The Fuel Filter Minder monitors the suction fuel filter on diesel engines. It can be installed at several locations on the fuel system:

- In-line with a T fitting at the outlet of the suction filter (see figure 2).
- On the filter head of some suction fuel filters, or at the second outlet port, if available. (see figure 3).
- At the compuchek port on a Cummins M-11 or N-14 engines. (see figure 4).

Figure 2

### In-Line Mount

- For mounting in-line: Install with T fitting at the outlet of the fuel filter.
- SAE number 6, 8, and 10 flared 45° T fittings are available from Filter Minder.

**Note:** This is a vacuum indicator. It should not be installed on the outlet side of a fuel pump.

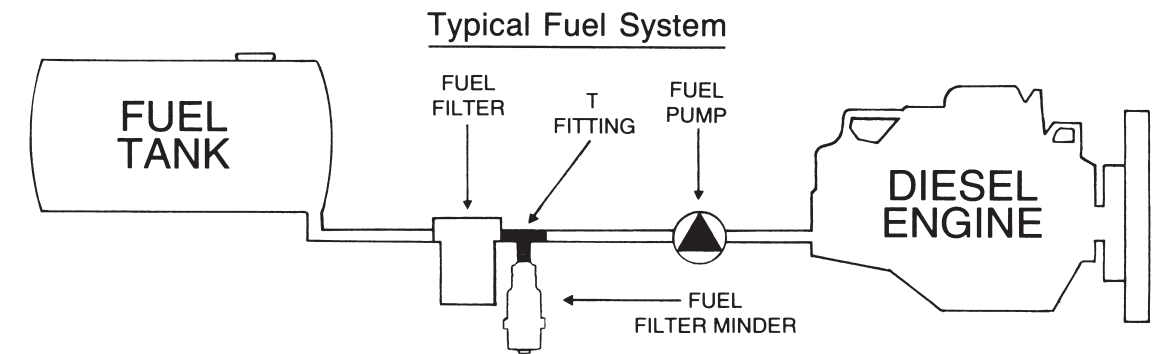


Figure 3

### To fuel filter/water separator

- Some fuel filters/water separators have a port or vent plug on the filter head, usually 3/8-24 straight thread o-ring.
- Install the Fuel Filter Minder at this location, or at the second outlet port, if available. Adapter fittings may be required. Tighten fitting only (not indicator).

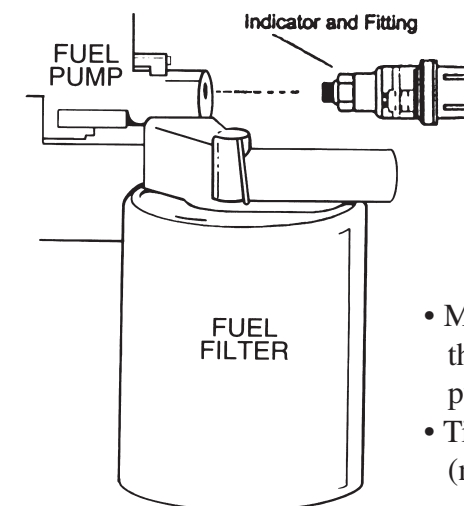
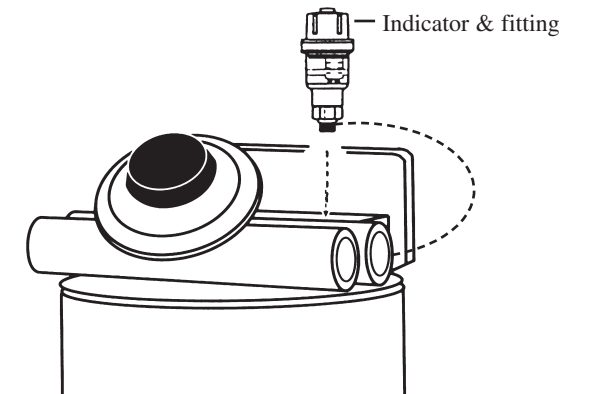


Figure 4

### Cummins M-11, N-14 1/8 pipe thread

- Mounting to fuel pump: Install at the compuchek port on the fuel pump.
- Tighten Fitting to port (not indicator)

**Caution:**  
The Fuel Filter Minder is assembled to the fitting at the factory per approved specifications. Always install the complete assembly, and do not remove the service indicator from the fitting.