KL1 Auxiliary Diesel Fuel Tap

Sprinter Engineering & Compliance
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Disclaimer

The specifications, descriptions, information, and recommendations contained in this bulletin are believed to be accurate as of Jan 1st, 2010.

Sprinter Engineering & Compliance reserves the right to modify or append this document without prior notification.

This bulletin is not intended as a work instruction, but as an aid for Body Builders to provide technical information necessary to retrofit or modify Mercedes-Benz Sprinters & Freightliner Sprinters (906).

Prior to making any modification to or installing any equipment in or on a Mercedes-Benz Sprinter & Freightliner Sprinter, please check with Sprinter Engineering & Compliance for additional and updated information, and read the Sprinter Body Builder Information Book Model Series 906.

www.sprinter-engineeringcompliance.com

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KL1 Auxiliary Diesel Fuel Tap

(standard equipment)

The fuel gauge sensor is fitted with an additional fuel connection to facilitate retrofitting of a fuel-powered auxiliary heater and/or generator. The fuel tank can be consumed down to approx. 5 gal.

The following must be observed for all work on the fuel system:

- The installation of heat-conducting components, or of components that restrict the installation space, is not permitted.
- On no account should modifications be made to the fuel pump, fuel line length or fuel line routing. Modifications to these components will impair engine operation since these components are matched to each other.
- Modifications and attachments (e.g. additional eyelets) are not permitted in the vicinity of the fuel filler neck.
- No sharp edges permitted
- The fuel tank must not be subjected to load in the event of an impact. Deflection plates must be fitted if necessary
- Fuel lines must be secured
- Exhaust fumes must not be directed into the vehicle interior
Diesel Fuel System 26.4 gal / 100L

If needed disconnect return line connector to install fuel return adapter.

- Return pipe
- Return pipe from cooling coil (3500 only)
- Fuel tank
- Cooling coil (3500 Sprinter only)
- Flow pipe
- KL1 – Diesel Fuel Tap
- Pump
- Ventilation pipe
- Front
KL1 Fuel Tap Location

View from underneath without a fuel fired heater.

Picture shows a cap which can be removed. Connector piece is Ø 7.89mm

Aftermarket quick connects have to be compatible with SAEJ2044 specified tube endforms

Top view shows the fuel pump unit on a Chassis cab.

For Quick Connector information, contact:
Cooper-Standard Automotive Fluid Systems
2110 Executive Hills Court
Auburn Hills, MI 48326 USA

Phone: 001-248-836-9400
Fax: 001-248-836-9116
www.cooperstandard.com

Cooper Standard Quick Connects
Fuel Tap Schematics

If necessary the return fuel line of your generator must connect via a Y-shaped connector to the Sprinter's return fuel line. The return line must be connected in flow with the returning fuel!

Connect auxiliary Diesel powered generator's fuel feed via a T-connector or Y-connector to the auxiliary heater (if equipped) fuel feed line, that is connected to the KL1 connector.

Body Builder fuel return

Fuel return line from engine Ø 10.0 mm (blue connectors)

Fuel feed engine (black connectors)

Connector Ø9.49mm

Connector Ø 7.89mm

Fuel Line Ø 6x1mm

Connector or

Body Builder fuel tap
to aux heater if equipped