



**Installation Instructions for JGCHTDA03  
Jeep Grand Cherokee 2.7L Diesel 04/2003  
67L Auxiliary Tank**

This auxiliary tank fits on the left hand side of the vehicle in front of the rear axle. Fuel is transferred via an electric pump that will pump fuel from the auxiliary tank into the OEM tank. A combination switch/gauge will be located into a suitable position in the dash. When the switch is in operation an **ORANGE** light will be on, indicating that the transfer pump is in operation. A series of lights will also indicate fuel level. All **GREEN** lights ON showing FULL, one **RED** light flashing showing empty.

**(DO NOT OPERATE TRANSFER PUMP WITH NO FUEL IN AUXILIARY TANK OR PUMP FAILURE WILL OCCUR).**

1. Remove rear seat bases, ECU from mounting cradle, ECU mounting cradle and lift carpet in under seat area. Lift R/H front kick panels and run twin core wire from front kick panel area along under kick panels and carpets and down through large grommet under L/H rear seat.
2. Install switch/gauge and associated wiring (**Refer WDSGPG210**) – (suggested mounting point for switch / gauge is to the left of the steering column in the removable panel and in line with the OEM fuel gauge).
3. Remove the L/H/ rear wheel. Carry out rework of OEM tank stone shield (**Refer INJGCHA9901**). Remove OEM filler neck and drill 3 mounting holes out to 6mm. Mount transfer pump to floor pan directly above axle housing. This will give maximum clearance from axle housing.
4. Disconnect fuel lines from fuel cooler, remove cooler and its mounting cradle. Using a sharp knife remove a section of body insulation forward of fuel cooler mounting point. An area amount of 250 mm x 250 mm will be enough to allow tank to fit up against floor correctly. Removing body insulation will also expose a 10mm bolt that needs to be cut back flush to the floor. Cut any remaining screws or bolts back flush to floor pan.

5. Using a sharp knife, cut plastic fuel lines off steel tubing (fuel lines that run to fuel cooler). Also cut plastic lines off the clip on end couplings and salvage couplings for refitting later. Locate the 2 lengths of 8mm EFI hose and the 4 EFI hose clamps in the parts kit. Connect EFI hose to the steel fuel line ends and secure with the EFI clamps. **CAREFULLY** remove fitting from cooler core and install M & F (**Refer INJGCHTDA03**).
6. Install all brass fittings into tank (**Refer INJGCHA9902**). Install gauge sender (if not already installed), connect fuel pick up and vent hoses. Lift tank into position, locate mounting holes near L/H rear suspension linkage mark and drill other holes (take care not to drill through into carpet) then secure tank using floor plates and mounting bolts provided.
7. Install fuel cooler to its new mounting position adjacent to the L/H front tank mounting point using the new mounting plate and TEK screws supplied as well as the OEM M6 nuts. (MOUNTING PLATE IS TO BE SECURED TO THE SILL WITH TEK SCREWS NOT ANY SIDE STEPS OR BARS). Install fuel line ends previously salvaged to cooler. Trim hoses to length and secure with EFI clamps provided.
8. Install the 2 P6 5/8 x 1/4 elbow fittings into the 2 sockets in the main body of the new twin filler, with the barbs pointing in line with the pipes on the twin filler. Fit long and short lengths of 16mm NTP hose to the elbows on the filler, ensure the worm drives on the hose clamps are positioned so as to minimise the overall diameter of the filler assembly. (Available area to fit filler assembly is minimal.) Install remaining P3 1/4 x 1/4 straight fitting into the remaining socket on the main tank fill tube, this is the point to connect the vent line that comes from the auxiliary tank expansion box.
9. Install the twin filler assembly using the 3 M5 x 12mm pan head screws and flat washers supplied. Trim 25mm off the end of the OEM fast fill hose and join the short 16mm NTP hose from the filler to the main tank fast fill hose with the 16 x 8mm T piece. The 8mm barb on the T piece is the fuel transfer port. Install steel fill pipe using short piece of 44mm hose at the tank end, and the 44mm mandrel hose bend at the twin filler end. Secure the fill pipe to the brace on the main tank bash plate using the 2 x 14" cable ties.
10. Connect all remaining hoses to their respective points.



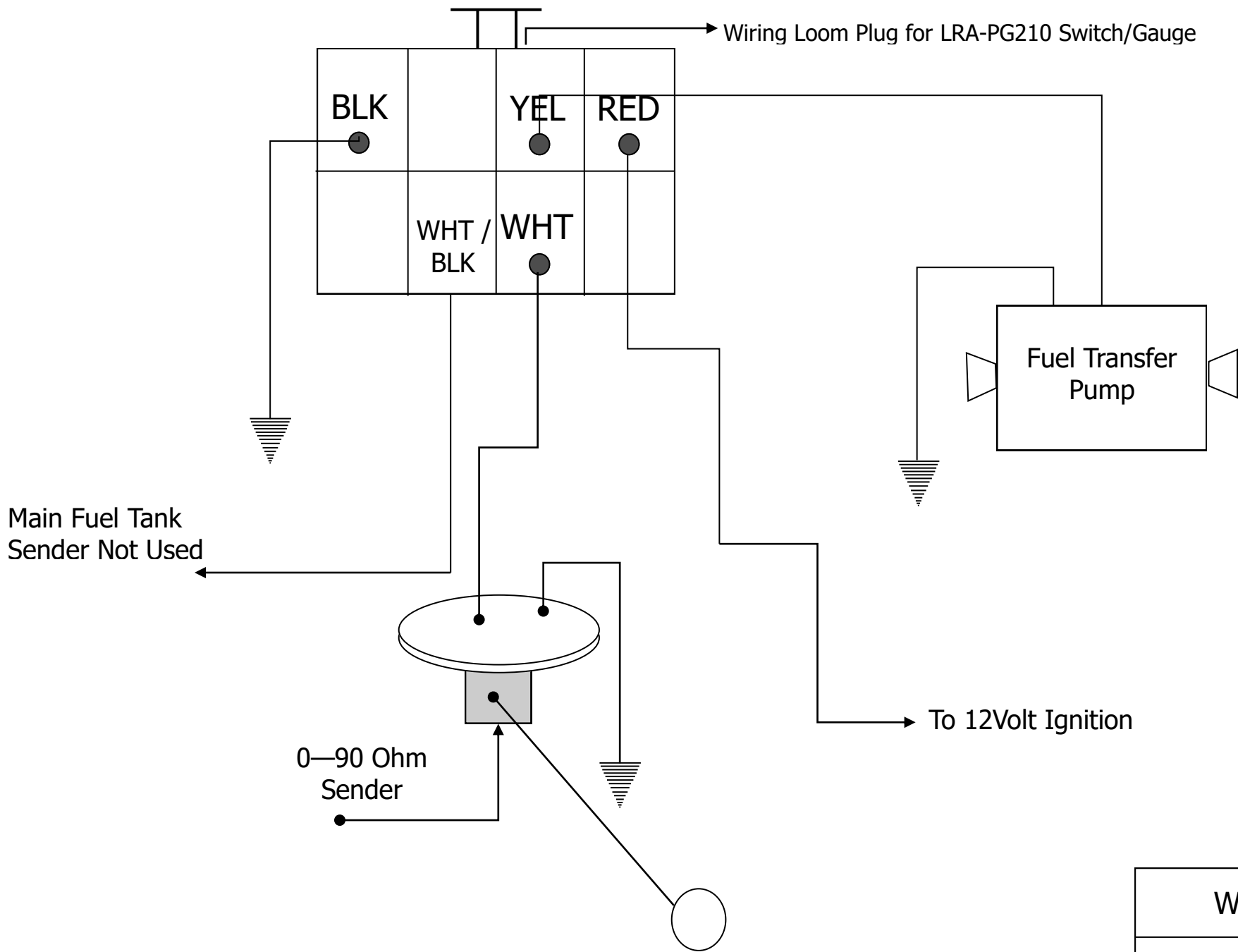
## FITTING KIT CONTENTS JGCHTDA03

<b>Brass:</b> <ul style="list-style-type: none"> <li>○ 2 x P3 1/4 x 1/4 Straight</li> <li>○ 1 x P3 5/16 x 1/4 Straight</li> <li>○ 1 x P3 5/8 x 1/4 Straight</li> <li>○ 2 x P6 5/8 x 1/4 Elbow</li> <li>○ 1 x 16 x 8 Reducing Tee</li> <li>○ 1 x 25E 1/4 x 1/4 BSP Elbow</li> </ul>	<b>Electrical:</b> <ul style="list-style-type: none"> <li>○ 1 x 3mm Two Core Wire @ 5000mm</li> <li>○ 1 x Red Insulated Terminal</li> <li>○ 2 x Blue Eye Terminals</li> <li>○ 1 x Red Eye Terminals</li> <li>○ 1 x LRA-PG210 Combination Switch/Gauge</li> <li>○ 3 x Heat Shrink @ 30mm</li> </ul>
<b>Bolts / Nuts:</b> <ul style="list-style-type: none"> <li>○ 2 x M10 x 30mm Bolt</li> <li>○ 1 x M10 x 120mm Bolt</li> <li>○ 5 x M10 Flat Washers</li> <li>○ 5 x M10 Nyloc Nuts</li> <li>○ 3 x M5 x 12 Pan Head Screws</li> <li>○ 5 x M5 x 10mm Pan Head Screws</li> <li>○ 3 x M5 Flat Washers</li> <li>○ 9 x 8mm Head Tek Screws</li> <li>○ 2 x 30mm Tek Screws</li> </ul>	<b>Misc Parts:</b> <ul style="list-style-type: none"> <li>○ 1 x Twin Filler Neck #TFJGV8AUX2</li> <li>○ 1 x Cap to Suit Above</li> <li>○ 1 x 100 x 100 x 3 Floor Plate</li> <li>○ 1 x Profile Cut Floor Plate with 2x M10 x 30 Bolts Welded On</li> <li>○ 5 x 16mm "P" Clips</li> <li>○ 1 x Fuel Cooler Mounting Plate</li> <li>○ 1 x Fill Pipe #FPJGV8AUX2</li> </ul>
<b>Hose Clamps:</b> <ul style="list-style-type: none"> <li>○ 8 x 1/4" Hose Clamps</li> <li>○ 6 x 5/8" Hose Clamps</li> <li>○ 4 x 1 1/2" Hose Clamps</li> <li>○ 4 x EFI Hose Clamps</li> </ul>	<b>Cable Ties:</b> <ul style="list-style-type: none"> <li>○ 5 x 7" Cable Ties</li> <li>○ 7 x 11" Cable Ties</li> <li>○ 2 x 14" cable Ties</li> </ul>
<b>Sender:</b> <ul style="list-style-type: none"> <li>○ 1 x Sender (0-90 ohm) complete with 400mm earth.</li> </ul>	<b>Pumps &amp; Filters:</b> <ul style="list-style-type: none"> <li>○ 1 x Z14K Filter</li> <li>○ 1 x Fuel Pump</li> </ul>

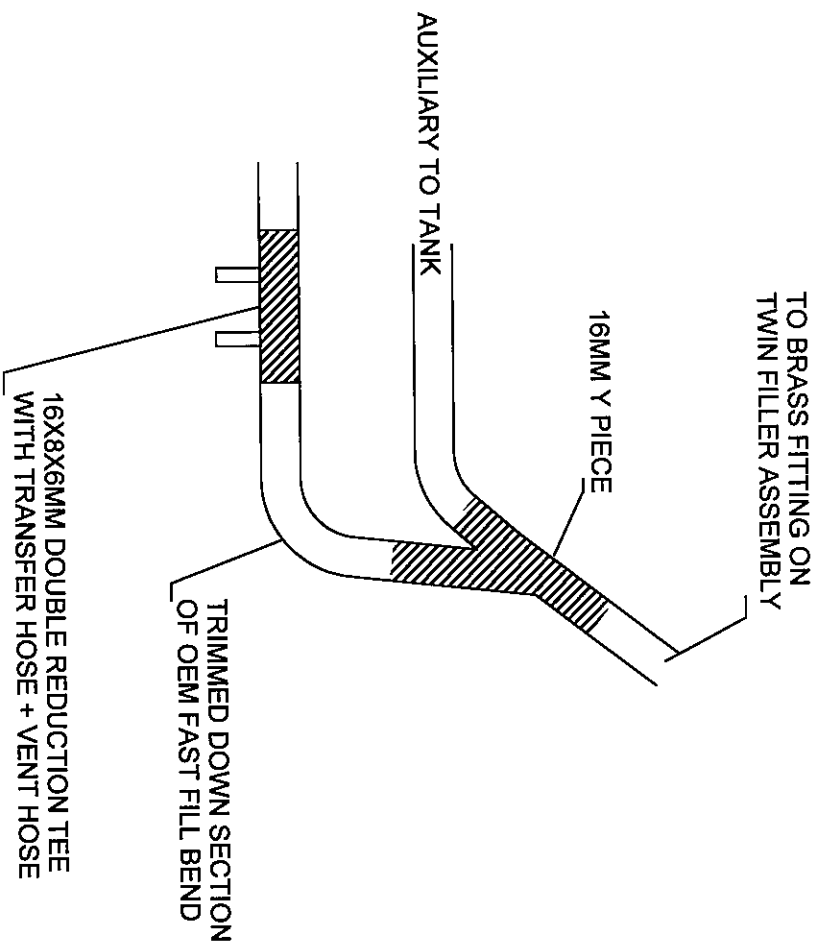
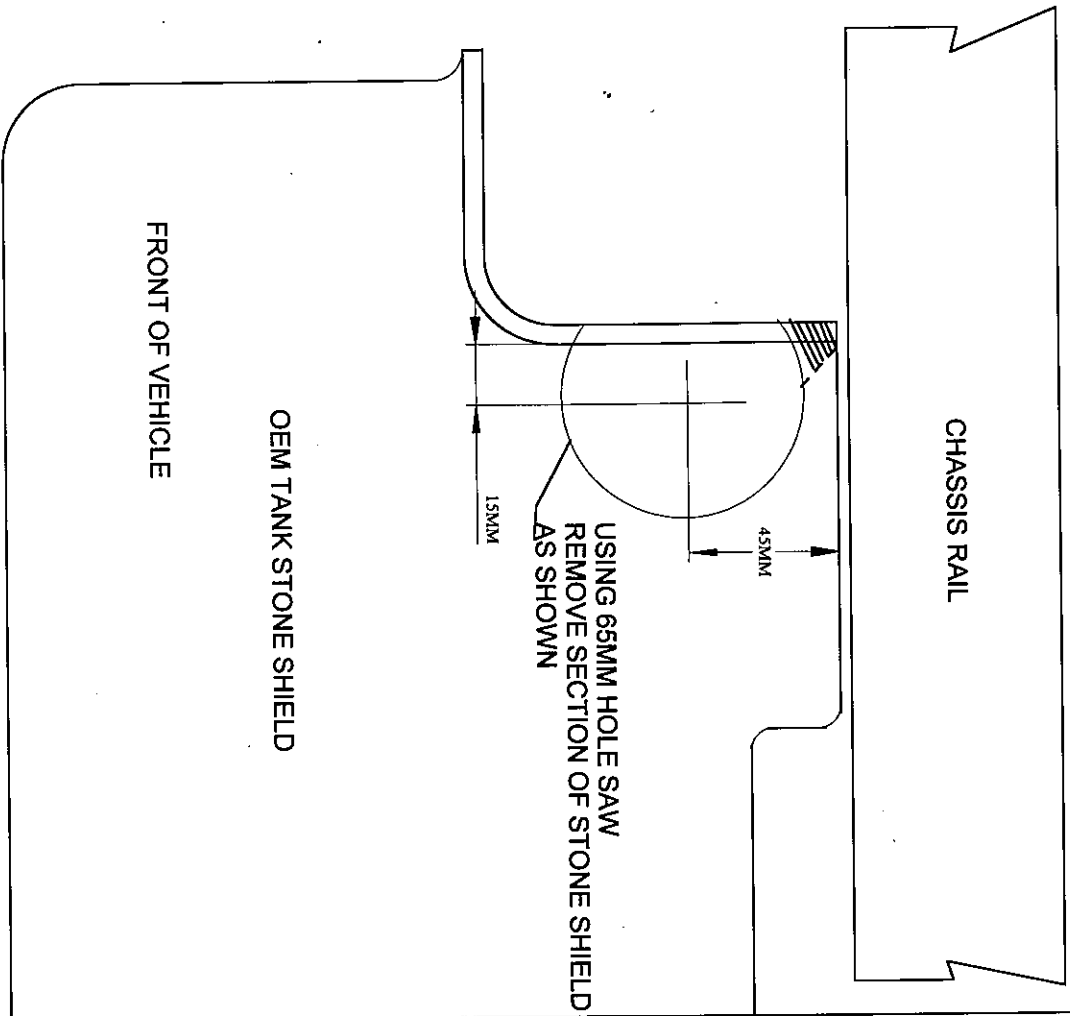
Hose:	8 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> <li>○ 1 x 6mm Fuel Hose @ 1830mm</li> <li>○ 1 x 8mm Fuel Hose @ 1400mm</li> <li>○ 1 x 44mm Hose @ 80mm</li> <li>○ 1 x 16mm NTP Hose @ 220mm</li> <li>○ 1 x 16mm NTP Hose @ 1300mm</li> <li>○ 1 x 44mm Mandrel Bend Hose</li> <li>○ 1 x 8mm EFI hose @ 900mm</li> <li>○ 1 x 8mm EFI hose @ 1300mm</li> </ul>	<ul style="list-style-type: none"> <li>○ 2 x Page Fitting Instructions</li> <li>○ 2 x Page Fitting Kit Contents</li> <li>○ 1 x Page WDSGPG210 Diagram</li> <li>○ 1 x Page INJGCHA9901 Diagram</li> <li>○ 1 x Page INJGCHA9902 Diagram</li> <li>○ 1 x Page INJGCHTDA03 Diagram</li> </ul>

Kit Packed By \_\_\_\_\_

Checked By \_\_\_\_\_

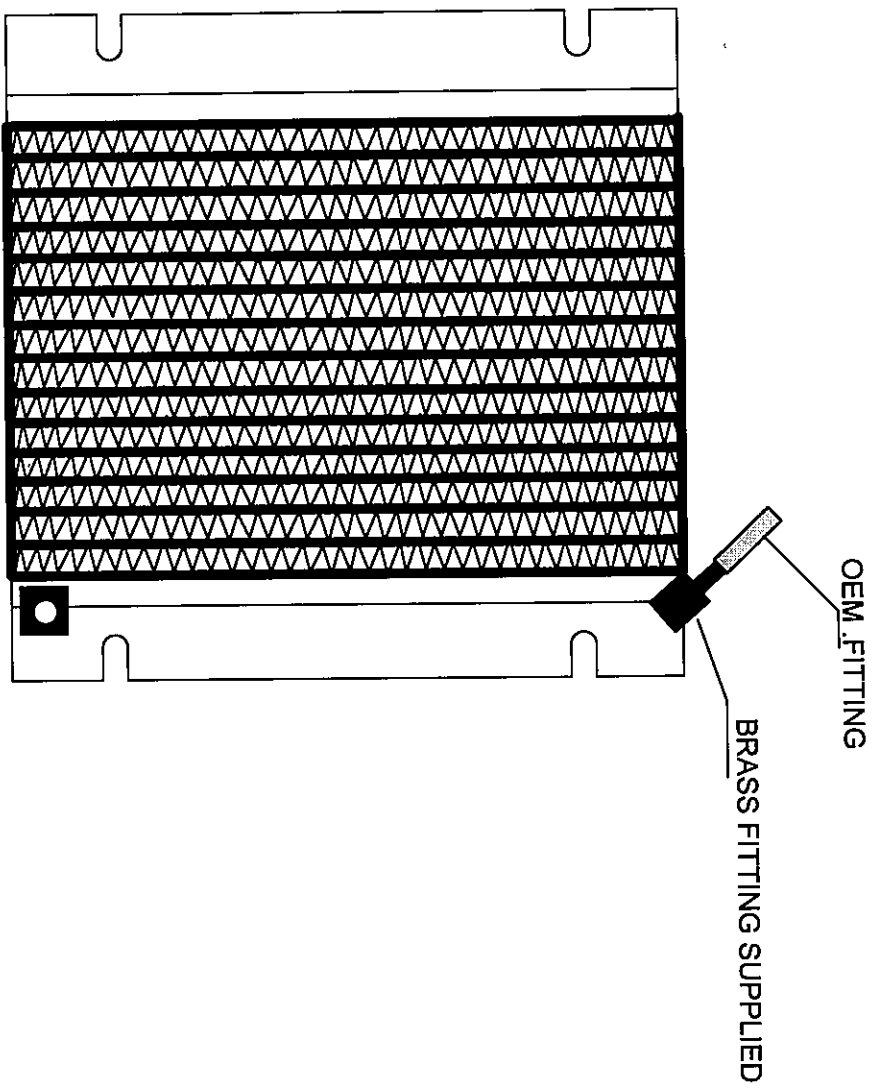


WDSGPG210

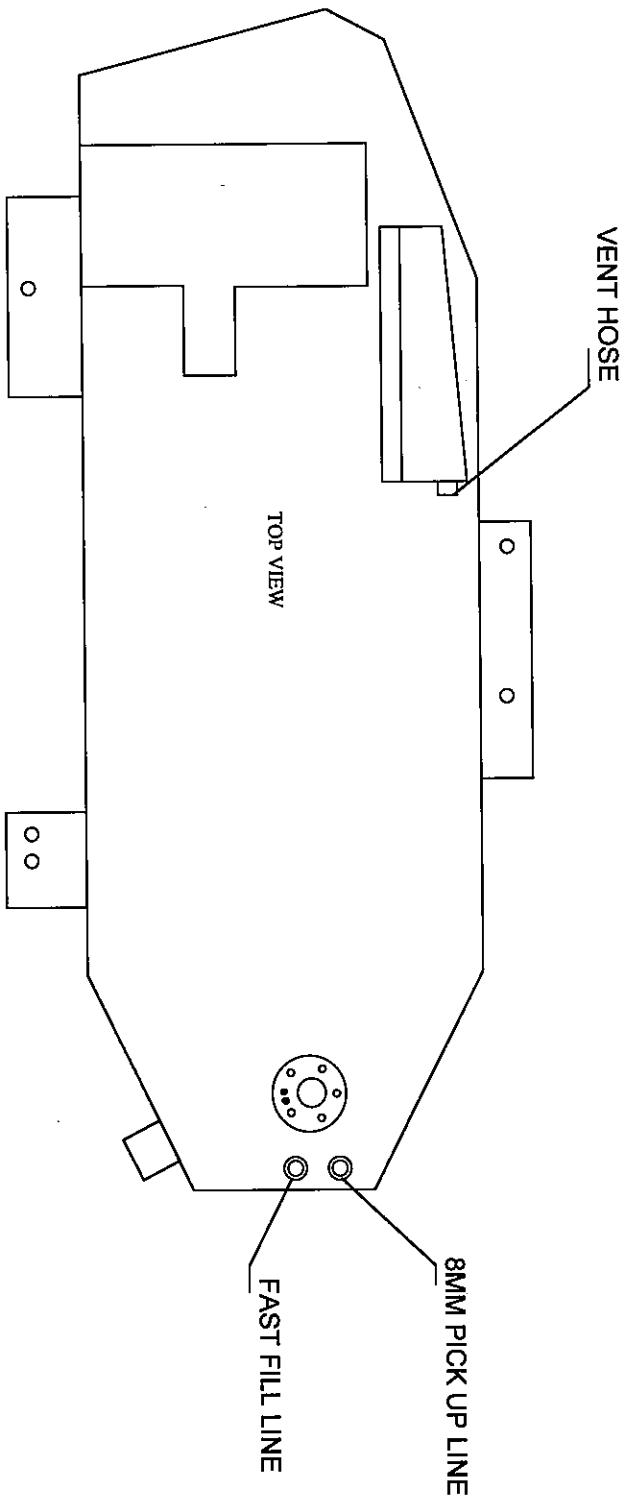


INJGCHA9901
GRAND CHEROKEE
69 LT AUX TANK

# FUEL COOLER



INJGCHTDA03
JEEP GRAND CHEROKEE
69 Lt AUX TANK



INJGCHA9902
JEEP CHEROKEE
69 LT AUX TANK