

2012 CHASSIS CAB DESIGN RECOMMENDATIONS

For Dump Body Installation Requirements click here: **CAUTIONARY NOTES**

FUEL SYSTEMS

Any modification of Fuel Tanks, Lines, Hoses or Connectors is the complete responsibility of the Second Stage Manufacturer. The responsibility for determining compliance to F/CMVSS 301 regulations is that of the Final Stage Manufacturer.

To verify F/CMVSS compliance, vehicle testing may be required. Questions regarding compliance with F/CMVSS regulations should be directed to your legal counsel, the National Highway Traffic Administration or Transport Canada.

WARNING: Always refer to the Ram Service Manual before servicing any portion of the fuel system. Fuel rail pressure must be released before opening any fuel system. Welding around or near fuel system components is not recommended. Shield or remove components as required to protect them from heat and weld splatter.

Modification of the fuel tank, its location, lines, hoses, evaporative systems can affect F/CMVSS 301 system compliance. **If the Final Stage Manufacturer modifies any portion of the fuel system, they assume the full system responsibility.**

FUEL FILL SYSTEM

Use of fuel fill kits as provided by Ram Trucks is recommended.

GAS: 68003151AA
DIESEL: 52121251AA
CHASSIS CAB: 52121693AD

Fuel Fill system installation is the responsibility of the Final Stage Manufacturer. Install components in areas not affected during impact conditions. Ensure no fuel vapors can enter vehicle interior during fill or general operation. Any metal fuel fill mounting structure must be grounded to the vehicle chassis.

NOTE: All fuel system components must be mounted securely for possible impact situations. Avoid contact with vehicle chassis. Keep system components away from sharp edges to avoid possible chaffing or cutting during an impact.



AUXILLARY FUEL PORT

An auxillary fuel tap is provided on gas and diesel fuel tanks to provide fuel for secondary power systems. This is located on top of the fuel pump module and is sealed with a connector. It is designed with barbed end to accept a hose and clamp. This system will not drain the vehicle fuel completely. There will be sufficient fuel to drive back from the worksite.

Utilize due care when installing a secondary fuel system. Install a check valve in line to prevent OBD11 system faults. Installing a secondary fuel port may affect the vehicles ability to comply with F/CMVSS 301 (gasoline engines ONLY). Refer to the fuel tank filler pipe location attachment section for a picture of the port. **Final Stage**

Manufacturer assumes all responsibility for fuel system modifications and system compliance.

EXHAUST SYSTEMS

Modifying the exhaust system is not recommended as it may affect F/CMVSS emissions certification. Do not remove any original equipment exhaust system components. Never add components to the system that increases back pressure. Do not remove OEM clamps or hangers. Final Stage Manufacturer assumes all responsibility for exhaust system modifications and system compliance.

6.7 Cummins Diesel

Cummins 2008 Dodge/Chrysler 6.7L Chassis Cab engine is integrated with a Diesel Particulate Filter Aftertreatment System for 2008 EPA Certification. The Diesel Particulate Filter assembly consists of a diesel oxidation catalyst, a diesel particulate filter, and temperature and pressure sensors integrated into a modular housing.

When removing the exhaust pipe for PTO installation it is recommended that the exhaust pipe clamp (PN: 52121859AD) and gasket (68071676AA) be replaced.

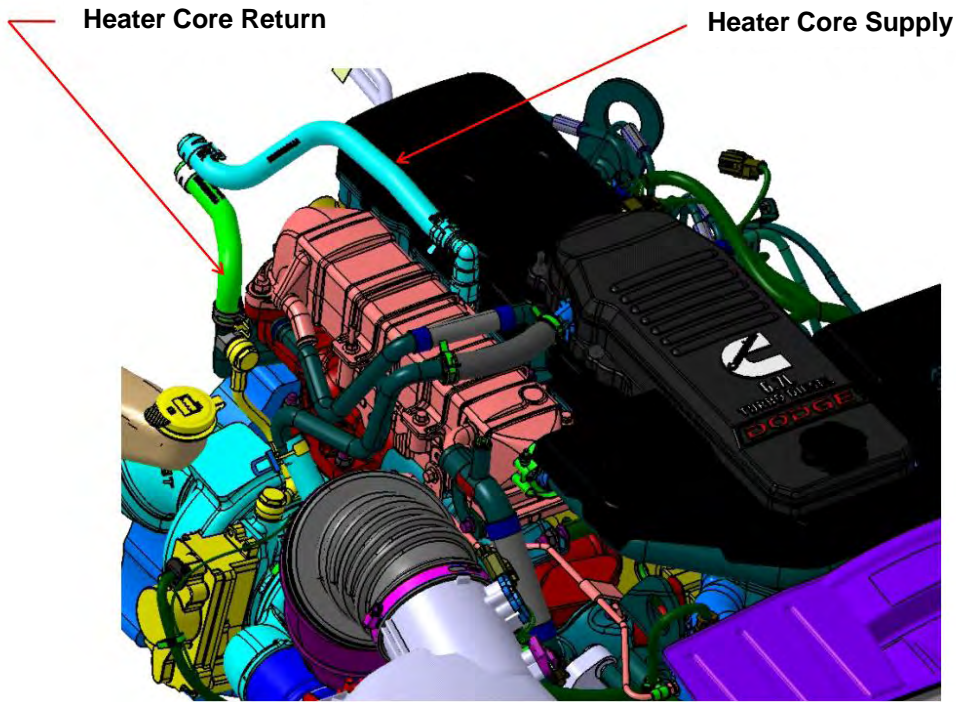
- **Body Builders must not modify or relocate this assembly, or any components associated with it. Also there should be no modifications made to the exhaust from the turbo outlet to after the muffler.**

NOTE: Never remove heat shields provided as original equipment. It is also the Final Stage Manufacturers responsibility to install appropriate shielding to any secondary body or equipment installed onto the Chassis Cab. **Final Stage / Individual Manufacturers assume all responsibility related to modifications performed.**

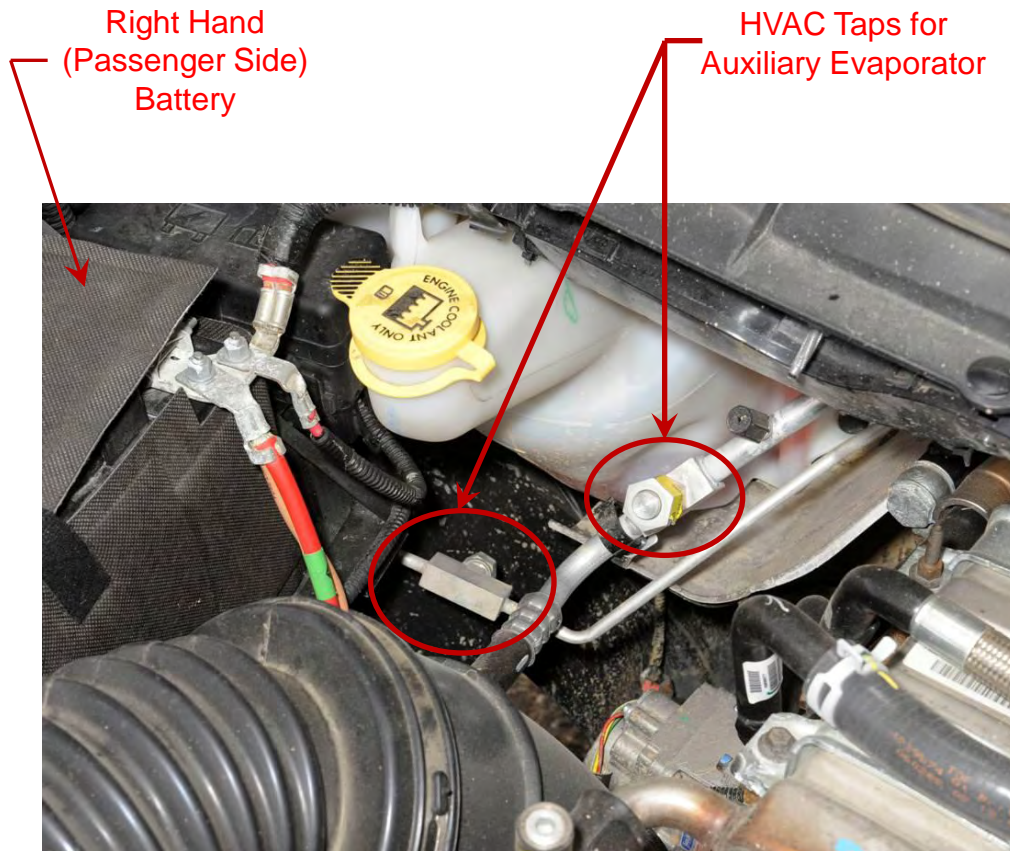
COOLING SYSTEM

Do not modify original equipment cooling system, fan, fan clutch, hoses and routing or the shroud. Do not install secondary equipment that blocks the grill opening forward of the radiator. Doing so could result in unsatisfactory cooling system performance. Refer to Dodge Service Manual for proper system fill procedures and service.

Heater lines



The above photo shows location of the heater hoses at the passenger side rear of engine and designates which is the supply and which is the return.



Here are the AC taps that are part of the Ambulance Prep Package (AH2)

Liquid line:

- 3/8" tube-o fitting
- Male threads on tee fitting: 5/8 – 18 UNF – 2A
- Female threads on anodized aluminum nut: 5/8 – 18 UNF - 2B
- O-ring HNBR: 7.37 mm ID X 1.81 DIA cross section

Suction line:

- 5/8" tube-o fitting
- Male threads on tee fitting: 7/8 – 14 UNF – 2A
- Female threads on anodized aluminum nut: 7/8 – 14 UNF - 2B
- O-ring HNBR: 12.93 mm ID X 1.86 DIA cross section