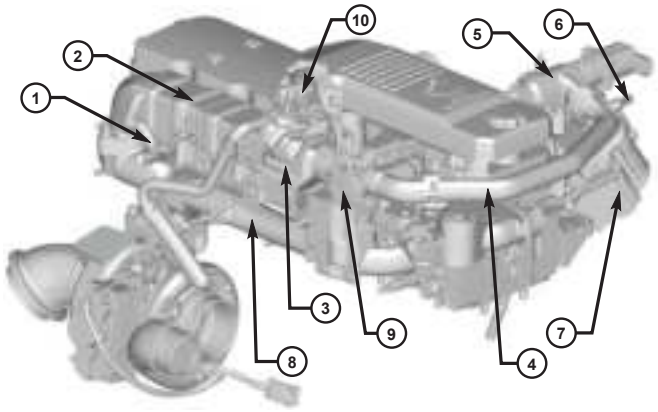
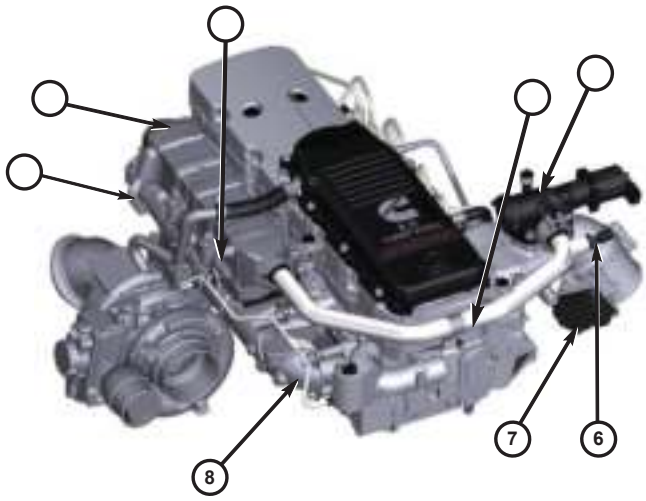
COMPONENT LOCATIONS



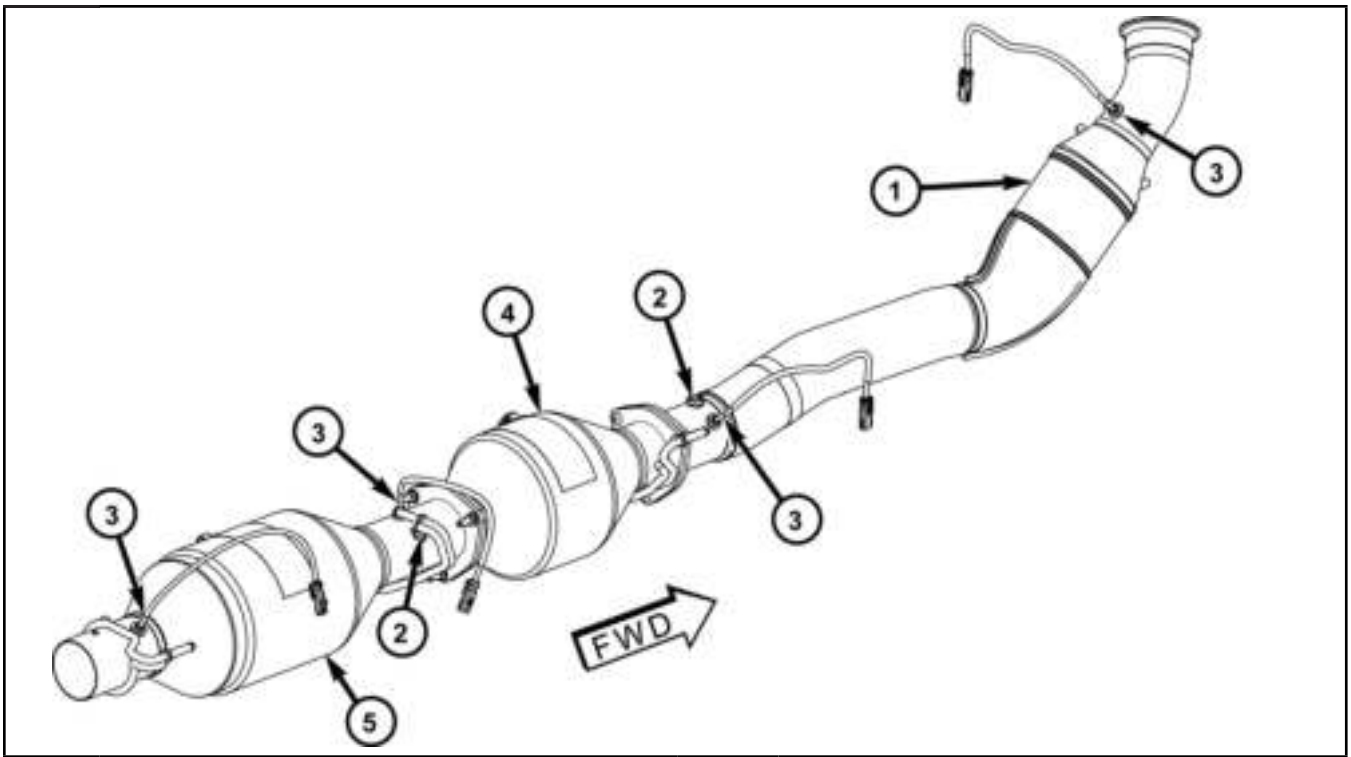


Ram Pickup HD (DJ/D2)		Ram Chassis Cab (DD)	
1	EGR Cooler Coolant Inlet	6	EGR Temperature Sensor
2	EGR Cooler	7	EGR Air Flow Control Valve
3	EGR Cooler Coolant Outlet	8	Exhaust Manifold
4	EGR Transfer Tube	9	EGR Cooler Bypass Valve
5	EGR Valve Assembly	10	EGR Cooler Bypass Valve Actuator

Figure 4 Exhaust Gas Recirculation System Components

1	EGR Transfer Tube	4	Exhaust Pressure Sensor Tube
2	Engine Coolant Temperature Sensor	5	Thermostat Housing
3	Exhaust Pressure Sensor	6	Cooling System Air Bleed

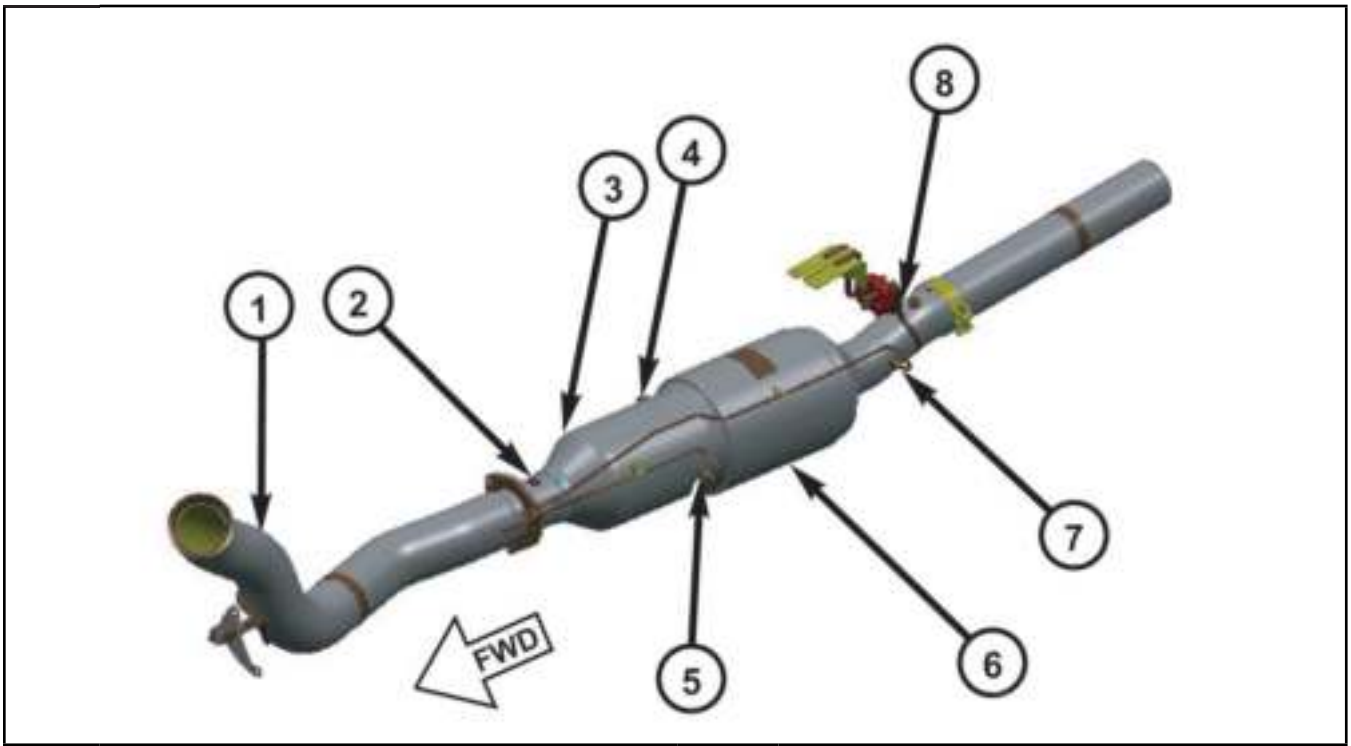
Figure 5 Exhaust Manifold Pressure Sensor (Chassis Cab Shown)



1	Diesel Oxidation Catalyst (DOC #1)	4	NOx Adsorption Catalyst (DOC #2)
2	Oxygen Sensor Mounting Locations	5	Diesel Particulate Filter
3	Exhaust Temperature Sensors		

Figure 8 Aftertreatment System Components (Pickup)

AFTERTREATMENT SYSTEM COMPONENTS - CHASSIS CAB



1	Turbo Down Pipe	6	Diesel Particulate Filter
2	DOC Inlet Temperature Sensor	7	DPF Outlet Pressure Tube
3	Diesel Oxidation Catalyst	8	DPF Outlet Temperature Sensor
4	DOC Outlet Temperature Sensor		SCR Catalyst Outlet Temperature Sensor (Not Shown)
5	DPF Inlet Pressure Tube		

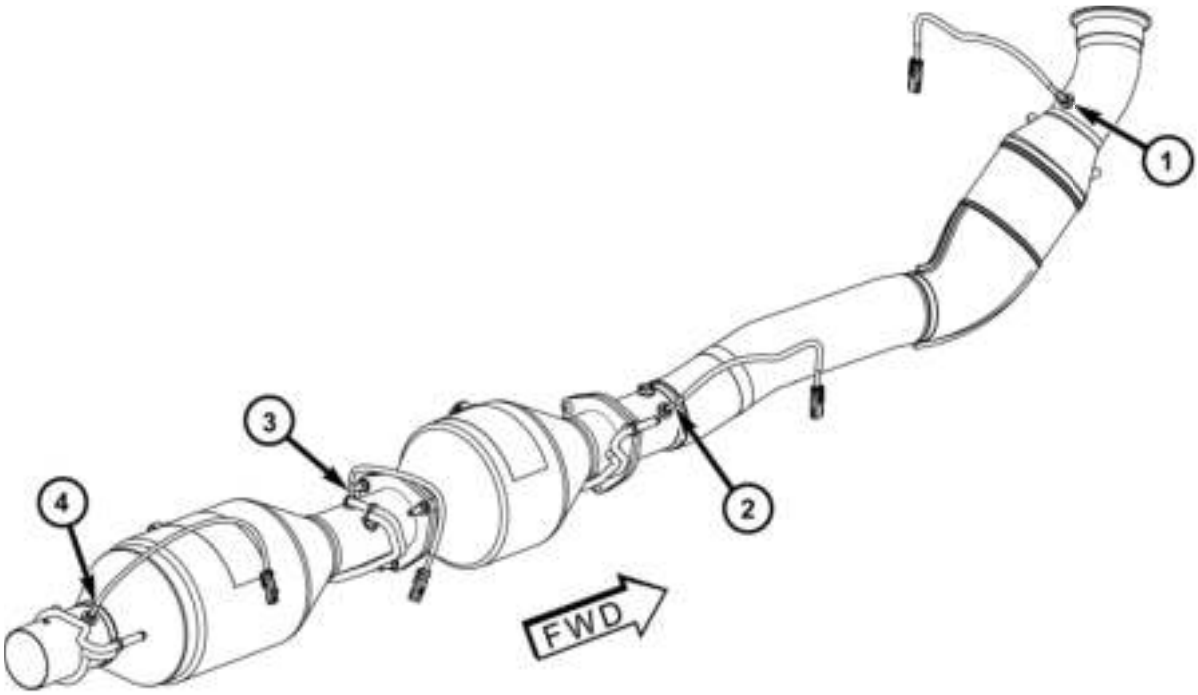
Figure 19 Aftertreatment System Components (Chassis Cab)

The aftertreatment system includes a DOC, a DPF used to remove particulate matter from the exhaust gas, and sensors to monitor temperatures and pressures. Exhaust heat is used to "burn off" the PM collected in the DPF through a process called regeneration. Note that

The soot collected in the filter must be converted to ash on a regular basis to avoid an increase in exhaust gas backpressure and a corresponding drop in vehicle performance.

Note: The new DD/DP chassis cabs have the addition of a fourth exhaust temperature sensor located at the SCR catalyst outlet.

EXHAUST TEMPERATURE SENSORS - PICKUP TRUCK



1	DOC #1 (CCC) Inlet Temperature Sensor Location	3	NAC (DOC #2) Outlet Temperature Sensor Location
2	NAC (DOC #2) Inlet Temperature Sensor Location	4	DPF Outlet Temperature Sensor Location

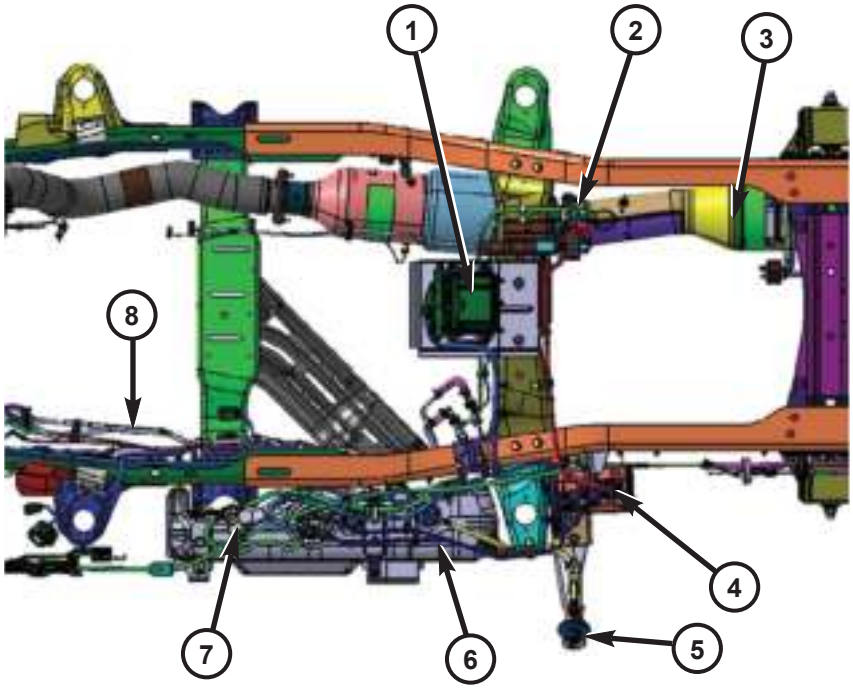
Figure 28 Exhaust Temperature Sensor Locations (Pickup Truck)

The pickup truck aftertreatment system also has sensors to measure the temperature of the exhaust gases as they move through the system, however they are in slightly different locations compared to the chassis cab. The temperature sensors on the pickup truck are located at the DOC #1 inlet, NAC Inlet, NAC Outlet, and DPF Outlet.

Note: On a pickup truck, the terms DOC #2 (diesel oxidation catalyst #2) and NAC (NOx adsorption catalyst) are used interchangeably in the service information and refer to the same component.

Note: In addition, the terms DOC #1 (diesel oxidation catalyst #1) and CCC (close coupled catalyst) are used interchangeably in the service information and refer to the same component.

DEF SYSTEM COMPONENTS



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1	Dosing Control Unit (DCU)	5	DEF Filler Neck
2	Injector Module	6	DEF Tank
3	Selective Catalytic Reduction (SCR) Catalyst	7	Coolant Control Valve
4	Supply Pump Module	8	Coolant Lines

Figure 54 DEF System Components

The system consists of the DEF tank, heat exchanger, a coolant control valve, DEF pump supply module, injector module, DCU, two NOx modules, and the SCR.