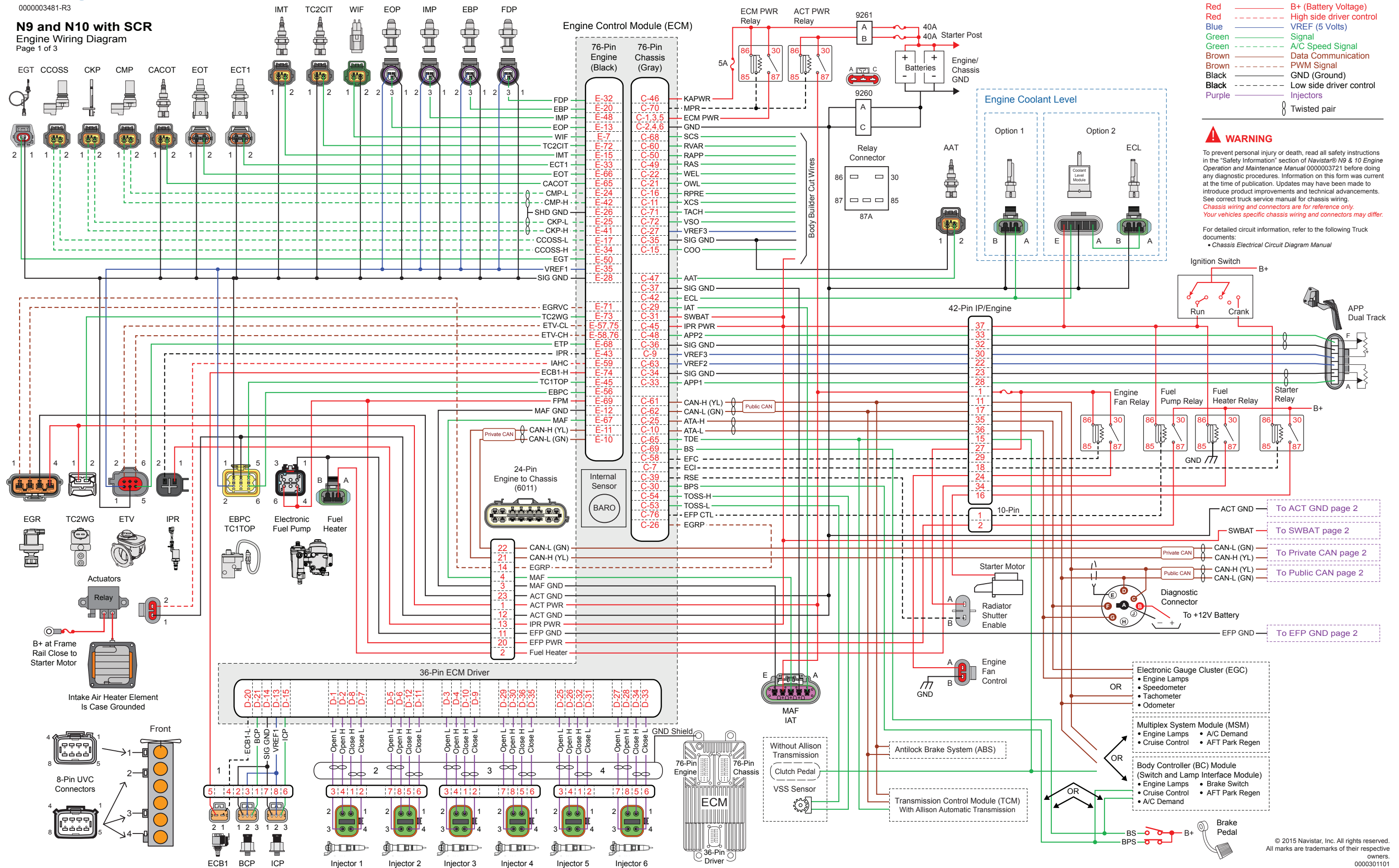


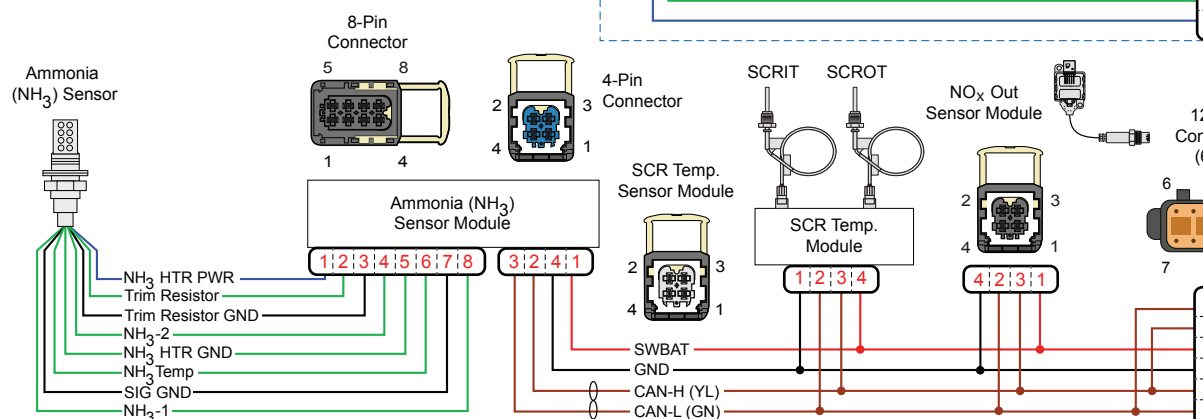
The diagram illustrates the wiring for various sensors on the 1.6L engine. The sensors shown are EGT, CCOSS, CKP, CMP, CACOT, EOT, and ECT1. Each sensor is represented by a physical component and a corresponding connector view. The connector views show the pin configuration (1 and 2) and the wiring connections. Green dashed lines indicate the wiring paths for the sensors, which are connected to a common ground.



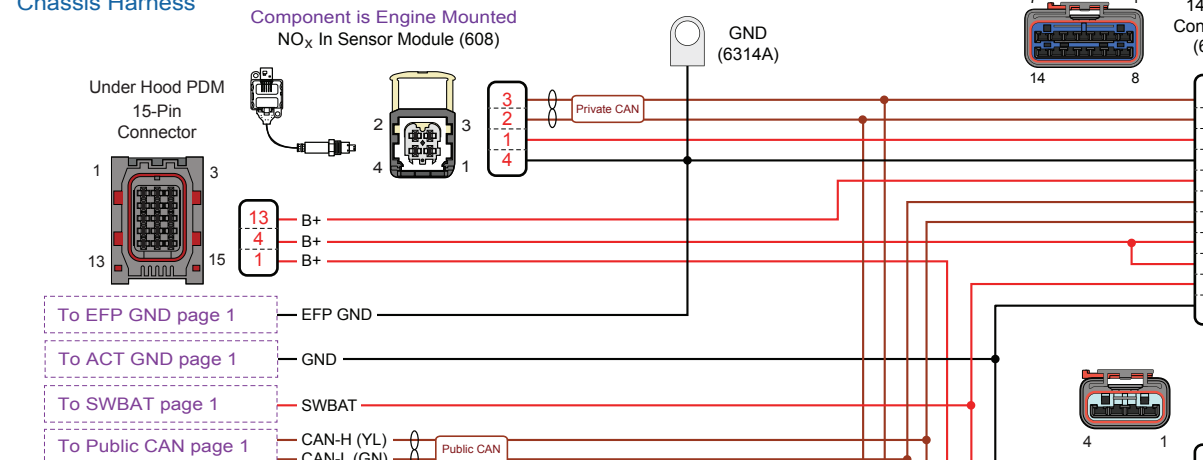
Page 2 of 3

Color code for schematic lines		
Red	—————	B+ (Battery Voltage)
Red	- - - - -	High side driver control
Blue	—————	VREF (5 Volts)
Green	—————	Signal
Brown	—————	Data Communication
Brown	- - - - -	PWM Signal
Black	—————	GND (Ground)
Black	- - - - -	Low side driver control
	⎓	Twisted pair

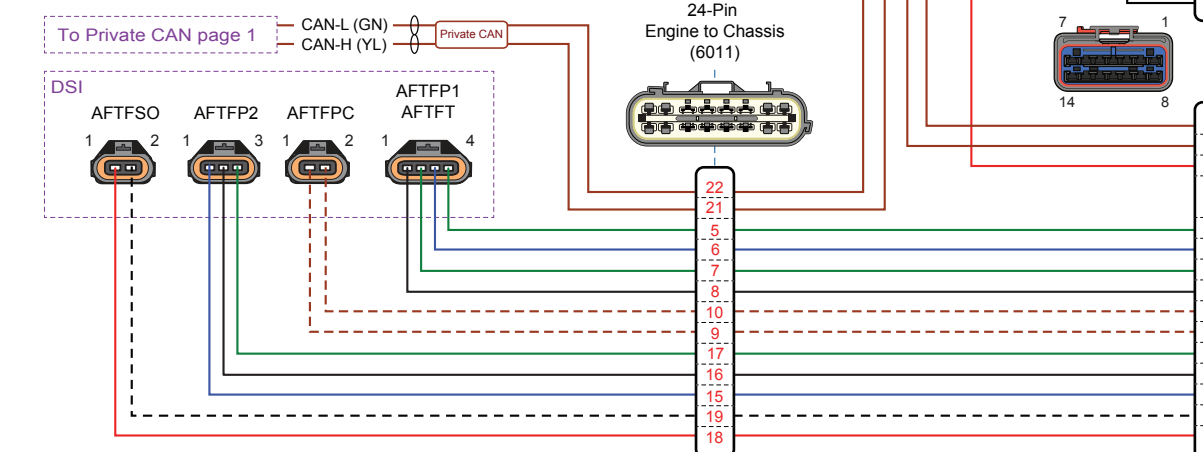
SCR Harness



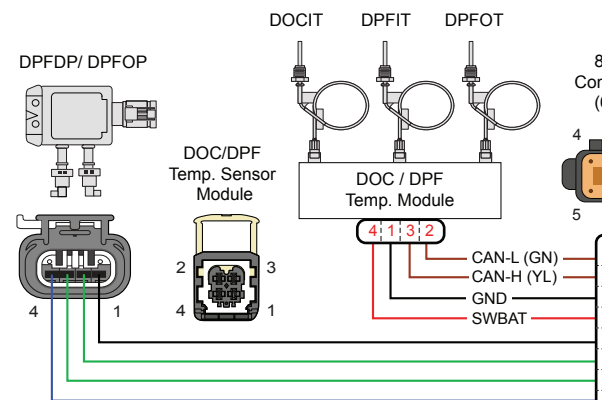
Chassis Harness



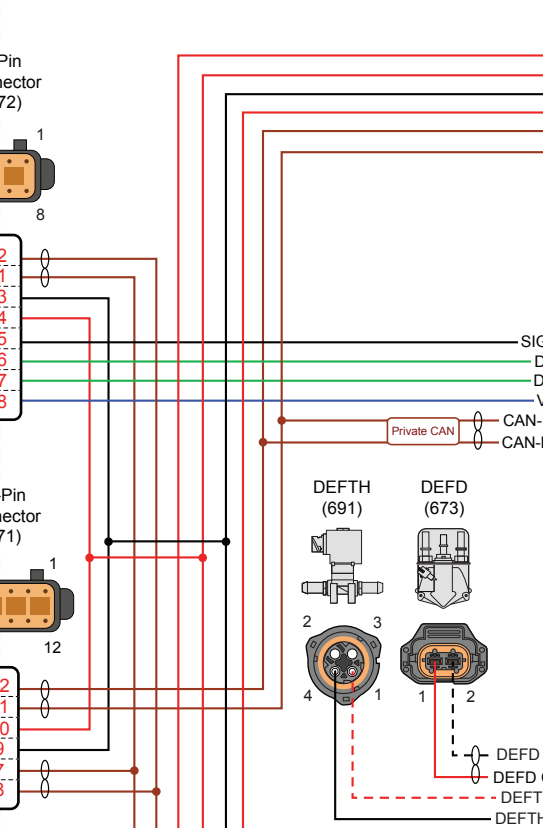
Engine Harness



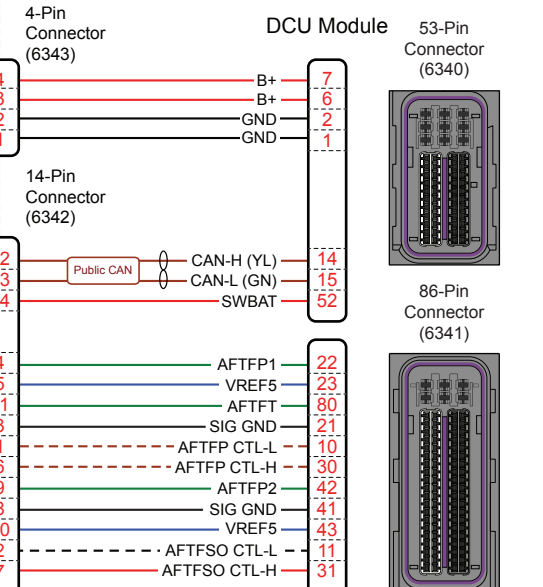
DOC and DPF Harness



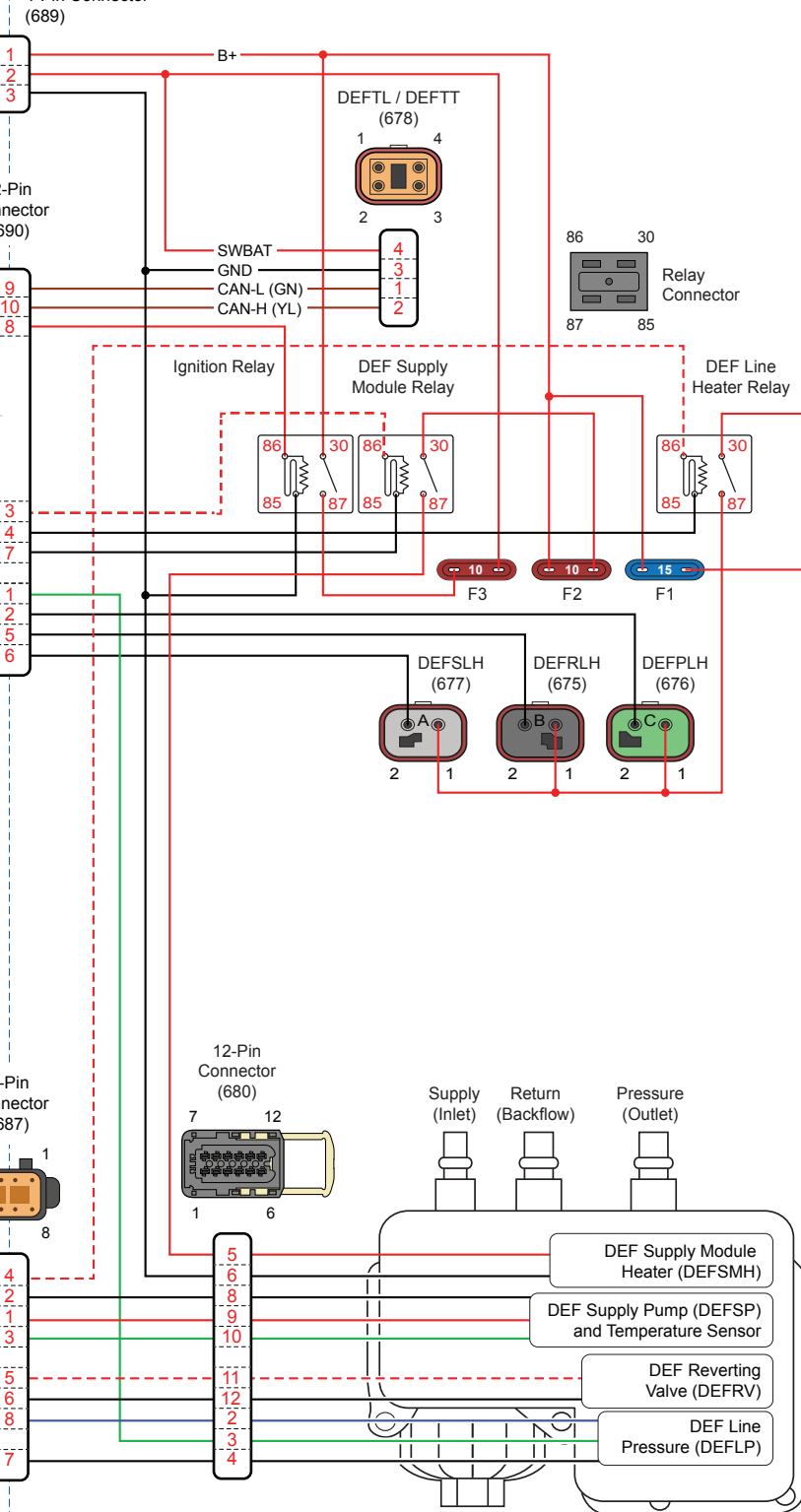
Aftertreatment Harness



DCU Jumper Harness



DEF Tank Harness



To prevent personal injury or death, read all safety instructions in the "Safety Information" section of *Navistar® N9 & 10 Engine Operation and Maintenance Manual* 0000003721 before doing any diagnostic procedures. Information on this form was current at the time of publication. Updates may have been made to introduce product improvements and technical advancements. See correct truck service manual for chassis wiring. *Chassis wiring and connectors are for reference only. Your vehicles specific chassis wiring and connectors may differ.*

For detailed circuit information, refer to the following Truck documents:

- *Chassis Electrical Circuit Diagram Manual*

N9 and N10 with SCR
Aftertreatment Diagram
Page 3 of 3

APP1	Accelerator Pedal Position 1	SCR	Selective Catalytic Reduction
APP2	Accelerator Pedal Position 2	SCRIT	SCR Intake Temperature
ACT GND	Actuator Ground	SCR0T	SCR Outlet Temperature
ACT PWR	Actuator Power	SWBAT	Keyswitch Battery
AAT	Ambient Air Temperature	TACH	Tachometer
ACM	Aftertreatment Control Module	TC	Turbocharger
AFTFSO	AFT Fuel Shutoff	TC1TOP	TC1 Turbine Outlet Pressure
AFTFPC	AFT Fuel Pressure Control	TC2CIT	TC2 Compressor Intake Temperature
AFTFP1	AFT Fuel Pressure 1	TC2WG	TC2 Wastegate
AFTFP2	AFT Fuel Pressure 2	TDE	Transmission Driveline Engaged
AFTFT	AFT Fuel Temperature	WIF	Water In Fuel
ATA	ATA Communication Link	XCS	Transfer Case
B+	Battery Voltage		
BARO	Barometric Pressure		
BCP	Brake Ctrl Pressure		
BS	Brake Switch		
BPS	Brake Pressure Switch		
CAC	Charge Air Cooler		
CACOT	CAC Outlet Temperature		
CCOSS	Crankcase Oil Separator Speed		
CKP	Crankshaft Position		
CMP	Camshaft Position		
CTL	Control		
DCU	Doser Control Unit		
DEF	Diesel Exhaust Fluid		
DEFLP	DEF Line Pressure		
DEFD	DEF Doser		
DEFSLH	DEF Supply Line Heater		
DEFRLH	DEF Return Line Heater		
DEFPLH	DEF Pressure Line Heater		
DEFRV	DEF Reverting Valve		
DEFSMH	DEF Supply Module Heater		
DEFSP	DEF Supply Pump		
DEFTH	DEF Tank Heater		
DEFTL	DEF Tank Level		
DEFTT	DEF Tank Temperature		
DOC	Diesel Oxidation Catalyst		
DOCIT	DOC Intake Temperature		
DPF	Diesel Particulate Filter		
DPFDP	DPF Differential Pressure		
DPFIT	DPF Intake Temperature		
DPFOP	DPF Outlet Pressure		
DPFOT	DPF Outlet Temperature		
DSI	Down Stream Injection		
EBP	Exhaust Back Pressure		
EBPC	Exhaust Back Pressure Control		
ECB1	Engine Compression Brake 1		
ECI	Engine Crank Inhibit		
ECL	Engine Coolant Level		
ECM	Engine Control Module		
ECT1	Engine Coolant Temperature 1		
EFC	Engine Fan Control		
EFP	Electronic Fuel Pump		
EGC	Electronic Gauge Cluster		
EGRV	Exhaust Gas Recirculation Valve		
EGRP	EGR Valve Position		
EGT	Exhaust Gas Temperature		
EOP	Engine Oil Pressure		
EOT	Engine Oil Temperature		
ETC	Engine Throttle Control		
ETP	Engine Throttle Valve Position		
FDP	Fuel Delivery Pressure		
FPM	Fuel Pump Monitor		
GND	Ground		
HEST	High Exhaust System Temperature		
IAHC	Intake Air Heater Control		
IAT	Intake Air Temperature		
ICP	Injection Control Pressure		
IMP	Intake Manifold Pressure		
IMT	Intake Manifold Temperature		
INJ	Injector		
IPR	Engine Injection Control Pressure Regulator		
KAPWR	Keep Alive Power		
MAF	Mass Air Flow		
MPR	Main Power Relay		
NH3	Ammonia		
NOxIn	NOx Intake Concentration		
NOxOut	NOx Outlet Concentration		
PDM	Power Distribution Module		
RAPP	Remote Accelerator Pedal Position		
RAS	Resume Accel Switch		
RPRE	Remote Preset PTO		
RSE	Radiator Shutter Enable		

