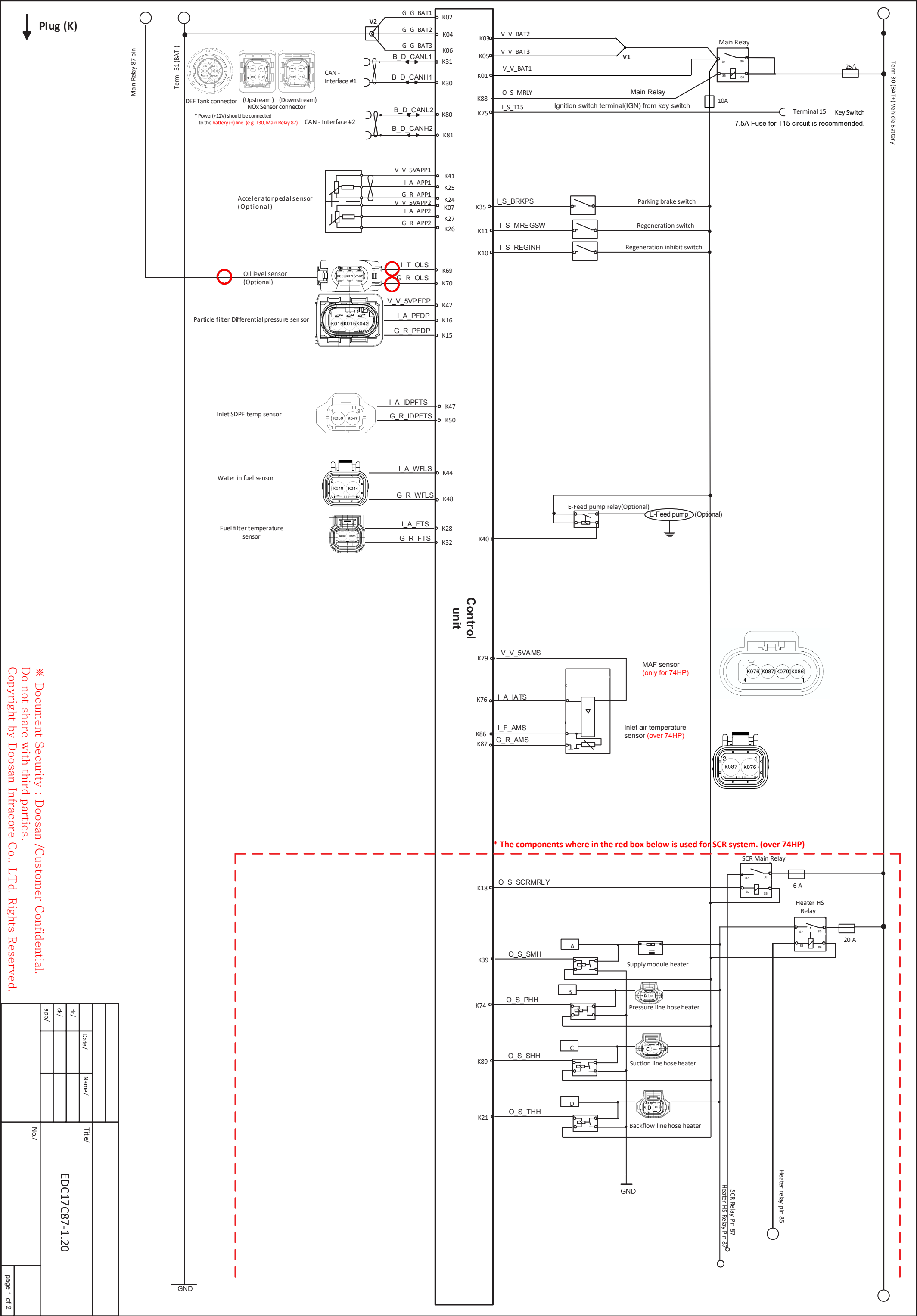


\* Customer should be decide the fuse capacity based on the reference fuse capacity which presented in the diagram.

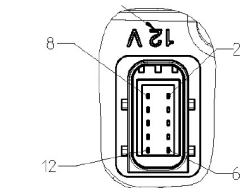


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page 1 of 2						

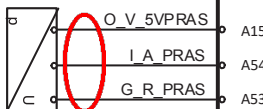
↓ Plug (A)

※ Supply Module Connector

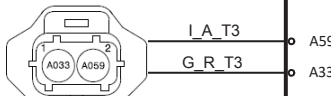


PIN 7	-	PIN 1	-
PIN 8	PUMP MOTOR GROUND -	PIN 2	PRESSURE SENSOR SUPPLY +
PIN 9	PUMP MOTOR SUPPLY +	PIN 3	PRESSURE SENSOR SIGNAL
PIN 10	PUMP MOTOR SIGNAL	PIN 4	PRESSURE SENSOR GROUND -
PIN 11	RVV SUPPLY +	PIN 5	HEATER SUPPLY +
PIN 12	RVV SIGNAL -	PIN 6	HEATER SIGNAL -

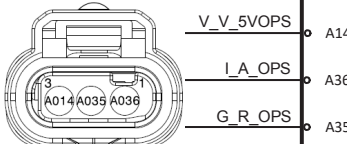
Reduction agent pressure sensor\*



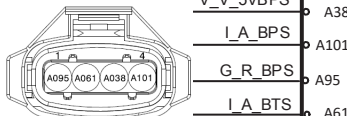
Turbine inlet Temp sensor



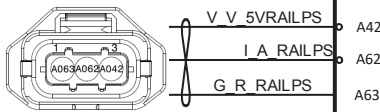
Oil pressure sensor



Boost pressure with temperature sensor signal



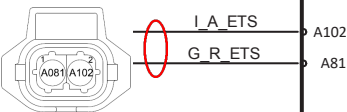
Rail pressure sensor



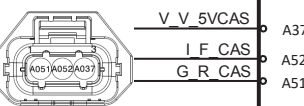
Coolant temperature sensor



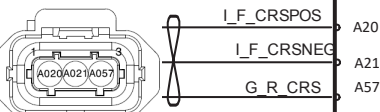
Environment temperature sensor (only for SCR system over 74HP)



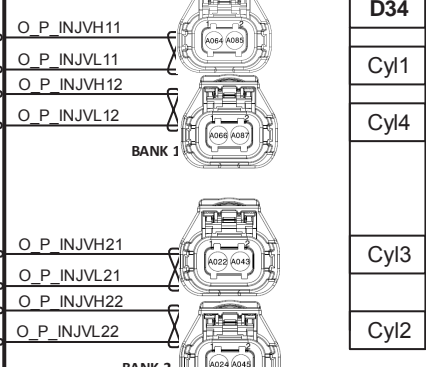
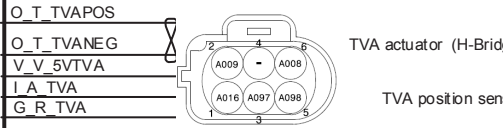
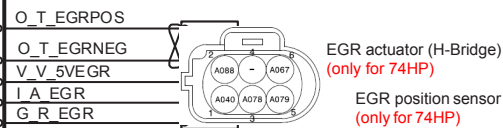
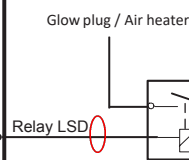
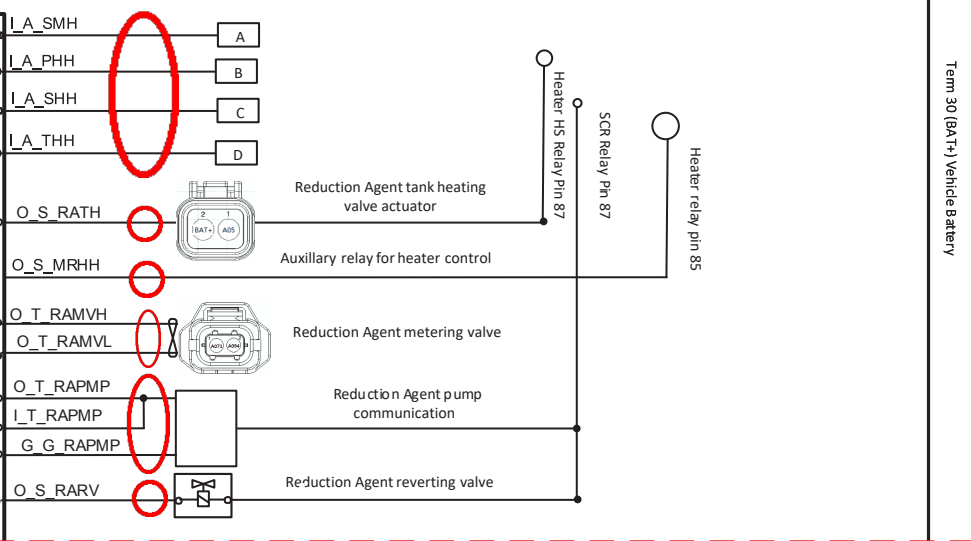
Segment (Camshaft) speed sensor (Hall Effect)



Crankshaft speed sensor



Control unit



D34
Cyl1
Cyl4
Cyl3
Cyl2

Firing order (\$):



D34  
4 Cyl.: 1 3 4 2

○ : Connected through the engine interconnector

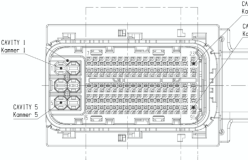
Item	Supplier part number	Supplier	Remark
Main relay	896H-1CH-C-R1-U24-12V	SONG CHUAN	One of relay can be used for main relay.
	896H-1CH-D1SW-R1-U30-12VDC	SONG CHUAN	
	301-1C-C-D1-U05-12VDC	SONG CHUAN	
	871-1C-S-R1	SONG CHUAN	
	896H-1CH-C-R1-U24-12V	SONG CHUAN	
Glow relay	896H-1CH-D1SW-R1-U30-12VDC	SONG CHUAN	One of relay can be used for glow relay.
	684-1S41-012	Trombetta	
E-Feed pump relay	301-1C-C-D1-U05-12VDC	SONG CHUAN	One of relay can be used for SCR main, Heater HS and Hose heater relay.
SCR main relay	301-1C-C-D1-U05-12VDC	SONG CHUAN	
Heater HS relay	898H-1CH-D1SW-U05-R1	SONG CHUAN	
Hose heater relay	871-1C-S-R1	SONG CHUAN	

Part Name	From	To	Mating Connector Part No.	Qty.
Wire Harness Interconnector_1	-	-	DEUTSCH, DT04-12PA-C015	1
Wire Harness Interconnector_2	-	-	DEUTSCH, DT04-12PB-C015	1
Starter Battery Terminal	Starter Battery Terminal	Battery source	Ring Terminal (M10 X 1.5P)	1
Starter Signal Terminal	Starter Signal Terminal	Machine Start Signal	Ring Terminal (M5 X 0.8P)	1
Starter Signal Connector	Starter Signal Connector	Machine Start Signal	KET_MG610949	1
Alternator Battery Terminal	Alternator Battery Terminal	Battery source	Ring Terminal (M8 X 1.25P)	1
Alternator Regulator Connector	Alternator Regulator Connector	Machine Charge Lamp	SUMITOMO_F6189-0443	1
ECU Vehicle Side Connector	ECU Vehicle terminal	-	BOSCH_1928405452	1
DPF Sensor Connector	DPF Sensor	ECU	TYCO, C-1418448 REV B1 CODE A	1
DPF Inlet Temp. Sensor Connector	DPF Inlet Temp. Sensor	ECU	DELPHI 15397337 or AMP936059-1	1
Glow Plug Connector	Glow Plug Connector	Battery source	Ring Terminal (M6)	1
WIF Sensor Connector	WIF Sensor	ECU	DEUTSCH, DT06-25	1
MAF Sensor Connector	MAF Sensor	ECU	TYCO, 1-1670918-1 or HIRSCHMANN_872-859...KD or FCI_F981100	1
Inlet Air Temperature Sensor Connector	Inlet Air Temperature Sensor	ECU	DEUTSCH, DT06-25	1
Environment Temperature Sensor Connector	Environment Temperature Sensor	Engine Interconnector	AMP_936059-1	1
Nox Sensor Connector (Upstream)	Nox Sensor	Battery & CAN Line	AMP_1-1418390-1	1
Nox Sensor Connector (Downstream)	Nox Sensor	Battery & CAN Line	AMP_2-1418390-1	1
Supply Module Connector	Supply Module	ECU	TYCO, 1-1703639-1	1
DEF Tank Connector	DEF Tank	Battery & CAN Line	TYCO, 1-967325	1
Dosing Module Metering Valve Connector	Dosing Module	ECU	BOSCH_1928405521	1
Coolant Valve Connector for DEF Tank Heating	Coolant Valve	Battery & CAN Line	DEUTSCH, DT06-25-P012	1
Fuel Filter Temp. Sensor Connector	Fuel Filter Temp. Sensor	ECU	TYCO, 936248-2	1
Fuel Filter Pressure Sensor Connector	Fuel Filter Pressure Sensor	ECU	FCI_F519600	1
Fuel Filter Heater Connector	Fuel Filter Heater	Battery source	DELPHI 15300027	1
DEF heater hose Connector	DEF heater hose (Supply/Backflow/Pressure)	ECU	AMP_936059-1/2/3	3

\* For starter signal Terminal/Connector, customer can select which type would be used.

D34 Without SCR								
								
Without SCR								
■ ENGINE SIDE CONNECTOR INFORMATION								
INTER								
Connector	Circuit	Circuit Description	From	Pin No.	To	Pin No.	Base On Engine Side	Remark
INTER	A293	Preheater relay return	INTER	1	ECU	93	Power switching output	
	S87	Valve	INTER	1	CHL LEVEL	1	Battery plus	Option
	K070	Oil level sensor ground	INTER	3	CHL LEVEL	2	Ground	Option
	K069	Oil level sensor input signal	INTER	4	CHL LEVEL	3	Digital input	Option
D34 With SCR								
								
DEUTSCH (DEUTSCH_P108-109-4P)		DEUTSCH (DEUTSCH_P108-109-5P)		With SCR				
■ ENGINE SIDE CONNECTOR INFORMATION								
INTER_1								
Connector	Circuit	Circuit Description	From	Pin No.	To	Pin No.	Base On Engine Side	Remark
INTER_1	A260	Heater relay low side	INTER	1	ECU	69	Power switching output	
	A058	Backflow line heater FB	INTER	1	ECU	58	Analog input	
	A075	Suction line heater FB	INTER	1	ECU	75	Analog input	
	A060	Pressure line heater FB	INTER	1	ECU	60	Analog input	
	A102	Ambient temp. signal	INTER	1	ECU	102	Analog input	
	A081	Ambient temp. ground	INTER	1	ECU	81	Ground	
	A055	Reduction valve actuator low	INTER	1	ECU	55	Power switching output	
	A053	SM press sensor supply	INTER	1	ECU	53	Sensor supply	
	A054	SM press sensor signal	INTER	1	ECU	54	Analog input	
	A051	SM pump sensor ground	INTER	1	ECU	51	Ground	
	A071	Reduction agent metering valve LS	INTER	2	ECU	71	Power switching output	
INTER_2	A054	Reduction agent metering valve RS	INTER	2	ECU	54	Power switching output	
	A051	SM metering valve signal	INTER	2	ECU	51	Digital input	
	A055	SM pump motor ground	INTER	2	ECU	55	Ground	
	A053	Preheater relay return	INTER	2	ECU	53	Power switching output	
	S87	Valve	INTER	2	CHL LEVEL	1	Battery plus	Option
	K070	Oil level sensor ground	INTER	2	CHL LEVEL	2	Ground	Option
	K069	Oil level sensor input signal	INTER	2	CHL LEVEL	3	Digital input	Option

[ECU vehicle side connector pin map]



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EDC17C87-1.20				
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Page 2 of 2				