

Detroit Diesel and MTU

Engine Harness

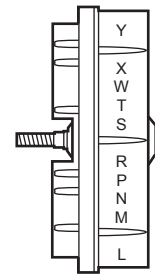
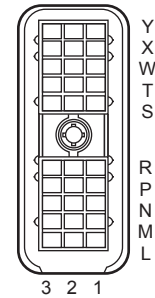
Injector Harness Schematic

Exhaust Temperature Sensors

Vehicle Interface Harness

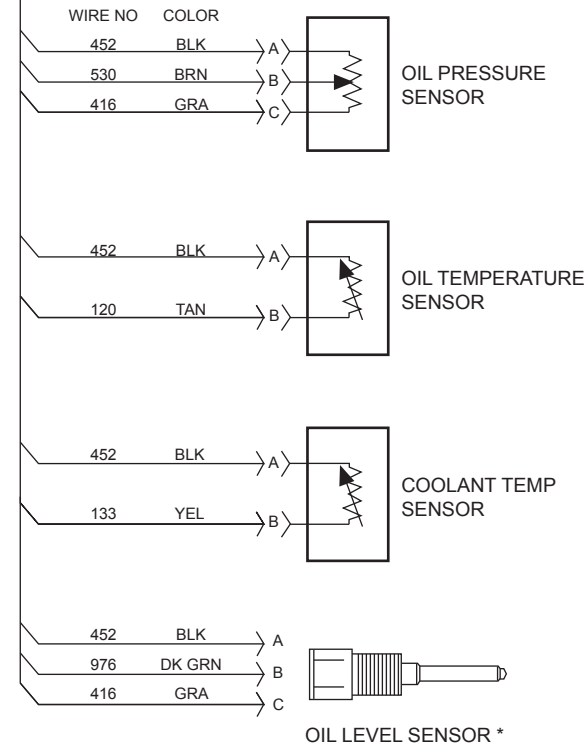
23 drawings for
 Various Models

LABEL	WIRE NO	CAVITY	COLOR
TRS (-)	109	T-1	PPL
TRS (+)	110	T-2	DK GRN
SRS (+)	111	S-2	LT BLU
SRS (-)	112	S-1	WHT
OIL TEMPERATURE	120	R-2	TAN
AIR TEMPERATURE	132	N-2	WHT
COOLANT TEMPERATURE	133	P-3	YEL
SENSOR SUPPLY (5VDC)	416	W-1	GRA
TURBO BOOST	432	P-1	LT GRN
SENSOR RETURN (ENGINE)	452	Y-2	BLACK
FUEL TEMPERATURE	472	R-3	ORN
OIL PRESSURE	530	P-2	BRN
ENGINE BRAKE MED	561	S-3	RED
ENGINE BRAKE LO	562	T-3	ORN
DIGITAL OUTPUT W-3	563	W-3	YEL
DIGITAL OUTPUT X-3	564	X-3	TAN/BLK
DIGITAL OUTPUT Y-3	565	Y-3	RED
TIMED INPUT	573	X-1	BRN
AIR FILTER RESTRICTION*	904	L-1	PPL/WHT
FUEL RESTRICTION/FUEL PRESSURE*	905	M-1	YEL
ADD COOLANT LEVEL*	906	N-1	ORN
ANALOG INPUT #6	907	R-1	DK GRN
OI ALARM*	909	Y-1	LT GRN
OI STARTER*	910	W-2	ORN
PWM OUT #4	911	X-2	PNK
OI THERMOSTAT*	958	M-2	DK BLU
OIL LEVEL*	976	L-2	DK GRN

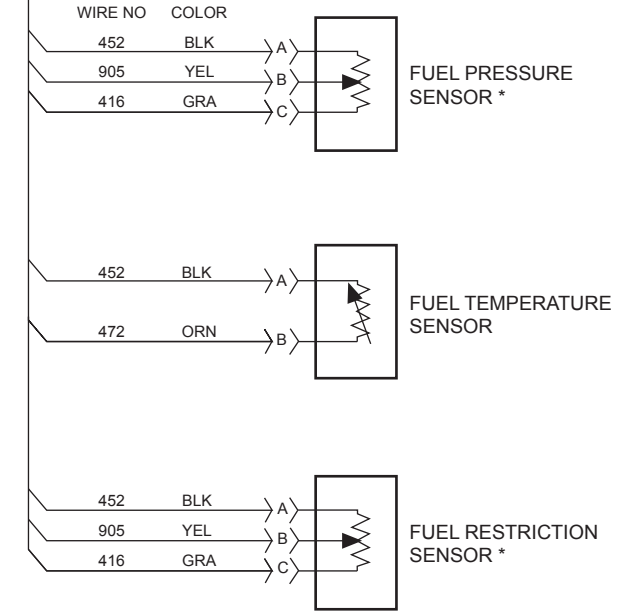


30 WAY CONNECTOR
 DDC P/N: 12034400
 TERMINAL
 DDC P/N: 12103881

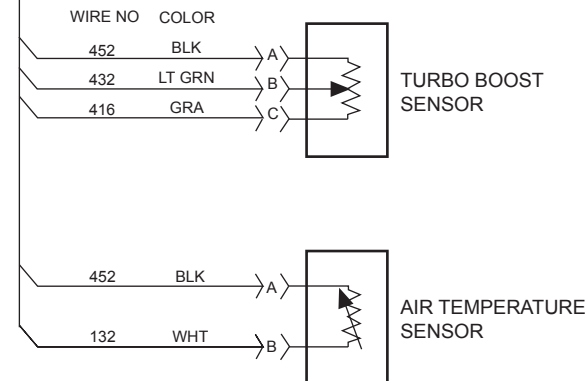
OIL AND COOLANT SENSORS



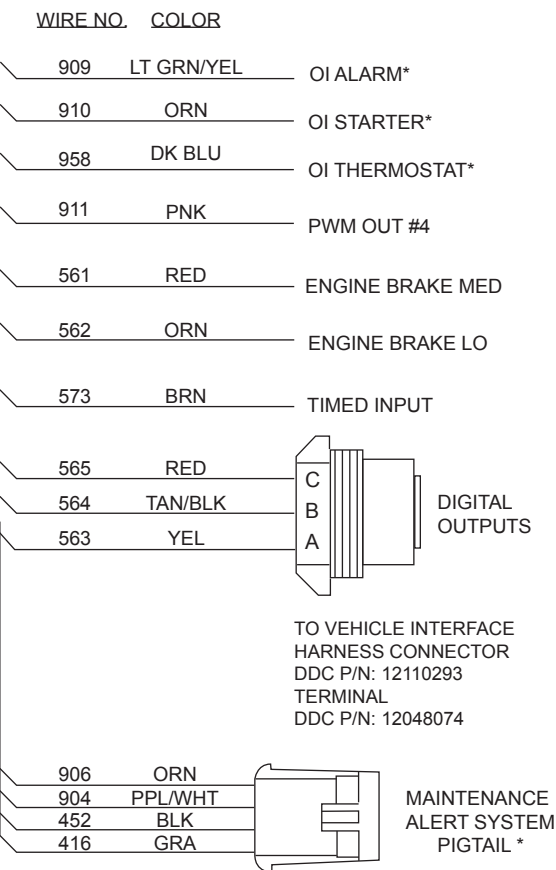
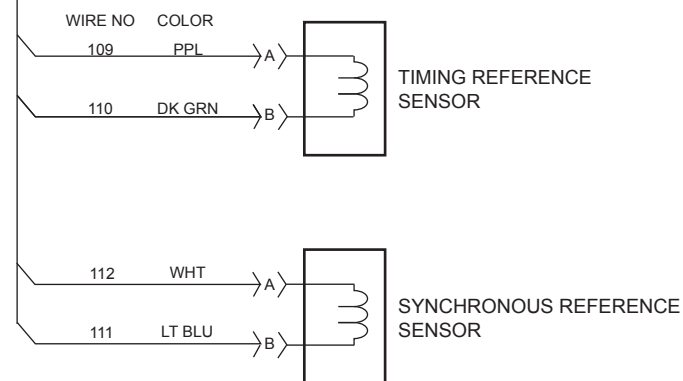
FUEL SENSORS



AIR SENSORS



CRANK POSITION SENSORS

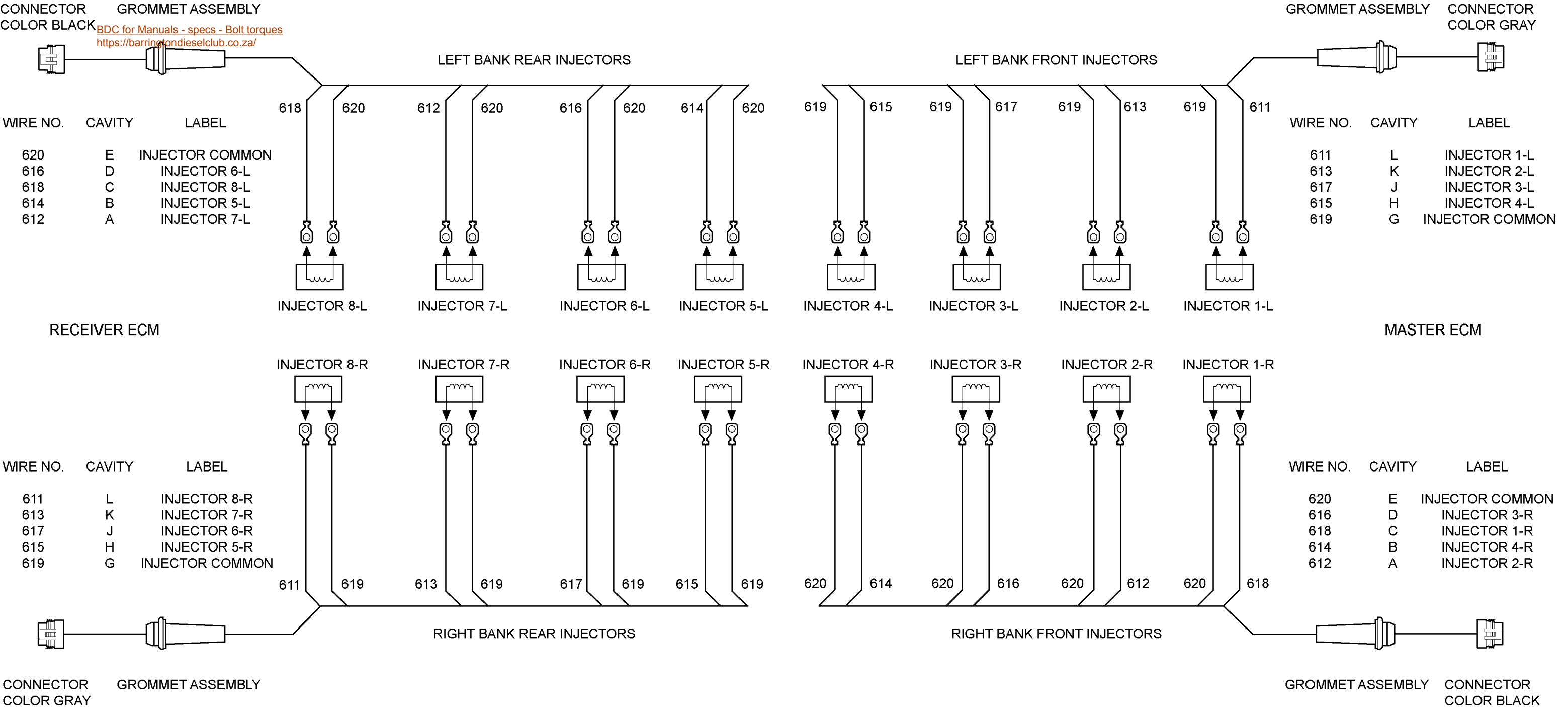


TO VEHICLE INTERFACE
 HARNESS CONNECTOR
 DDC P/N: 12110293
 TERMINAL
 DDC P/N: 12048074

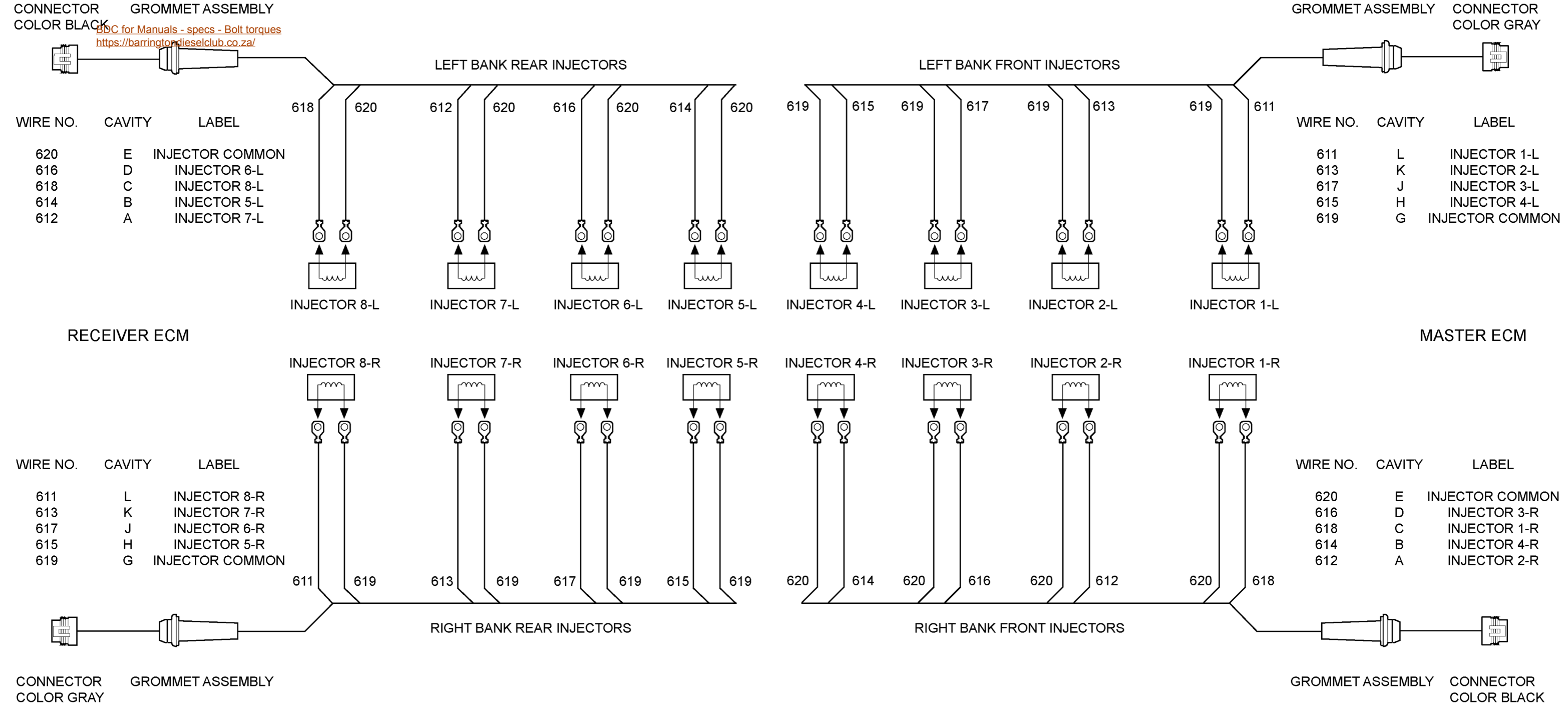
CONNECTOR
 DDC P/N: 12047931

SERIES 60 ENGINE SENSOR HARNESS

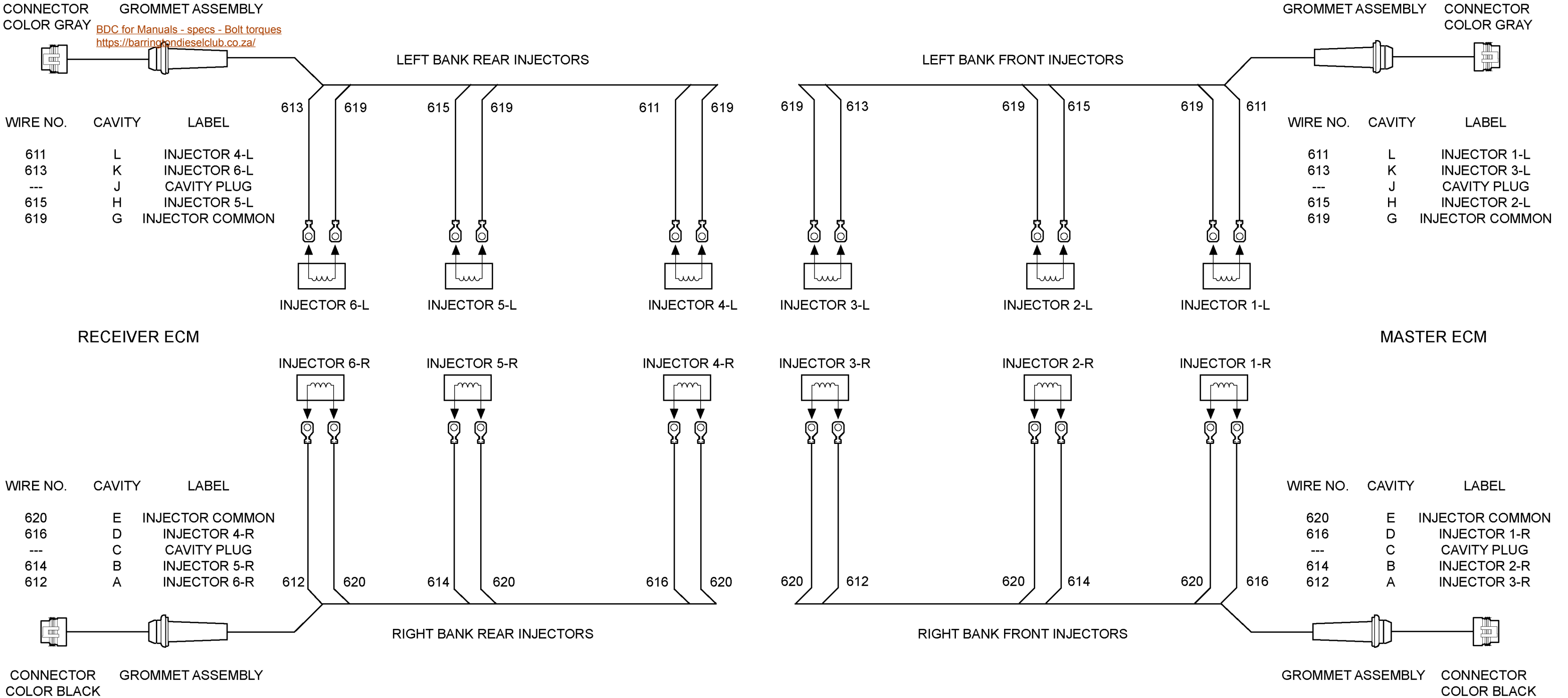
* Available in Some Applications



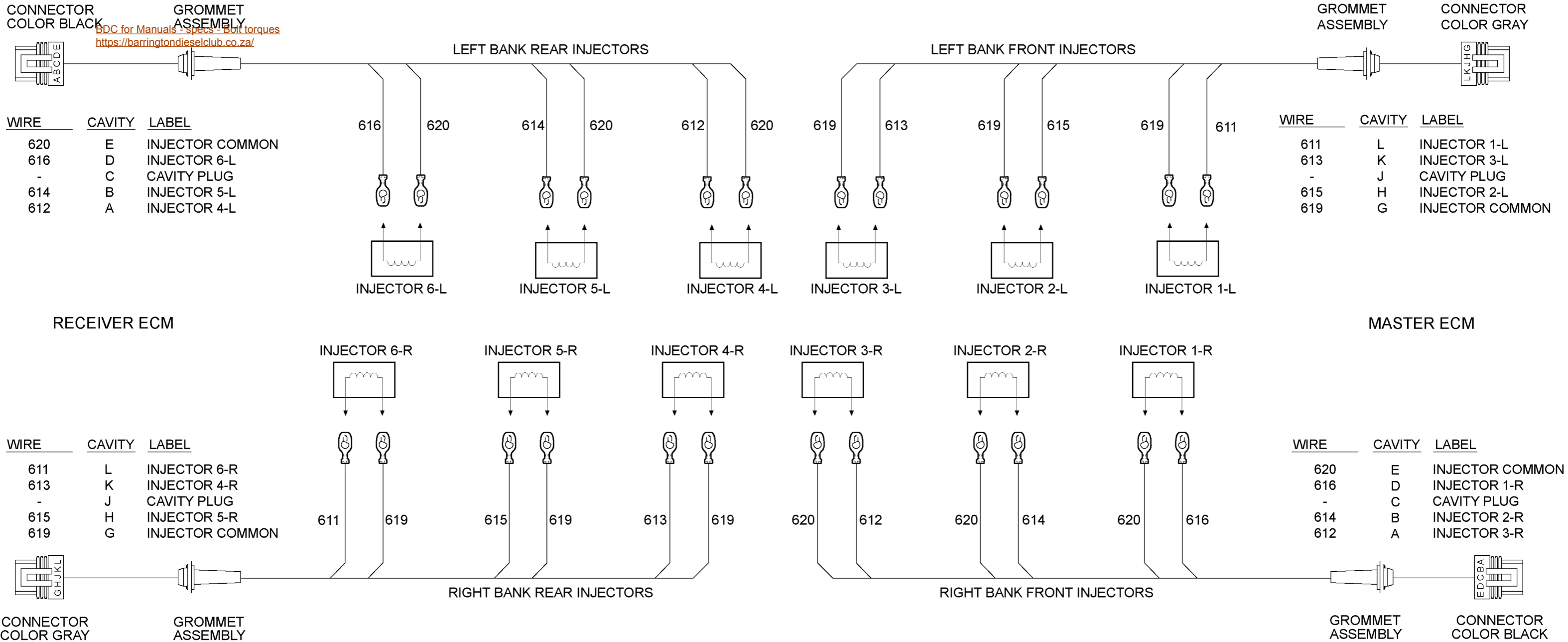
INJECTOR HARNESS SCHEMATIC SERIES 149-16V



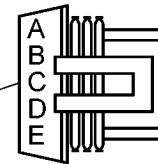
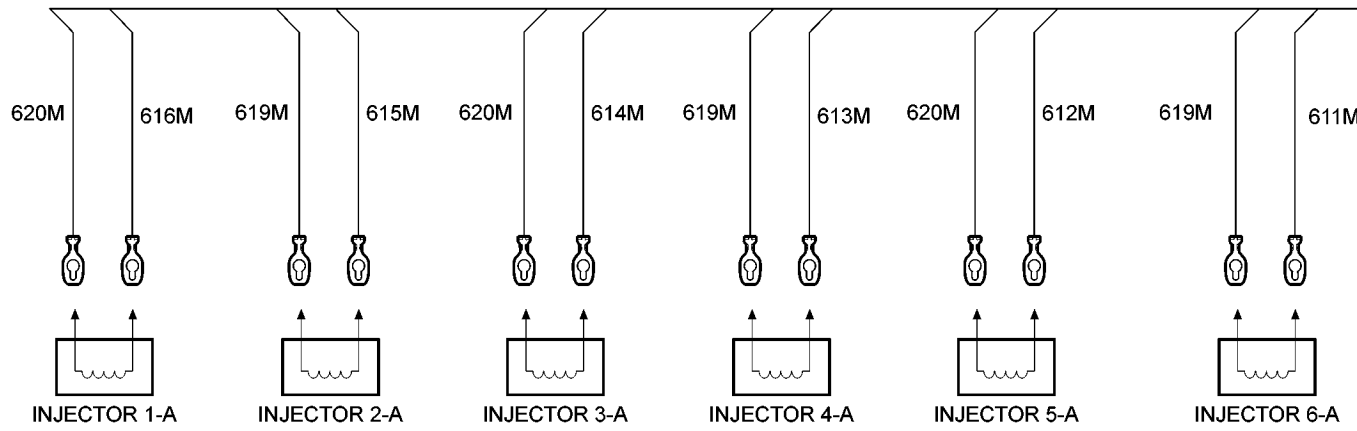
INJECTOR HARNESS SCHEMATIC
SERIES 92-16V



INJECTOR HARNESS SCHEMATIC SERIES 92-12V



**INJECTOR HARNESS SCHEMATIC
SERIES 71-12V / SERIES 149-12V**



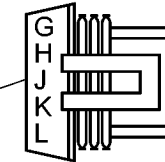
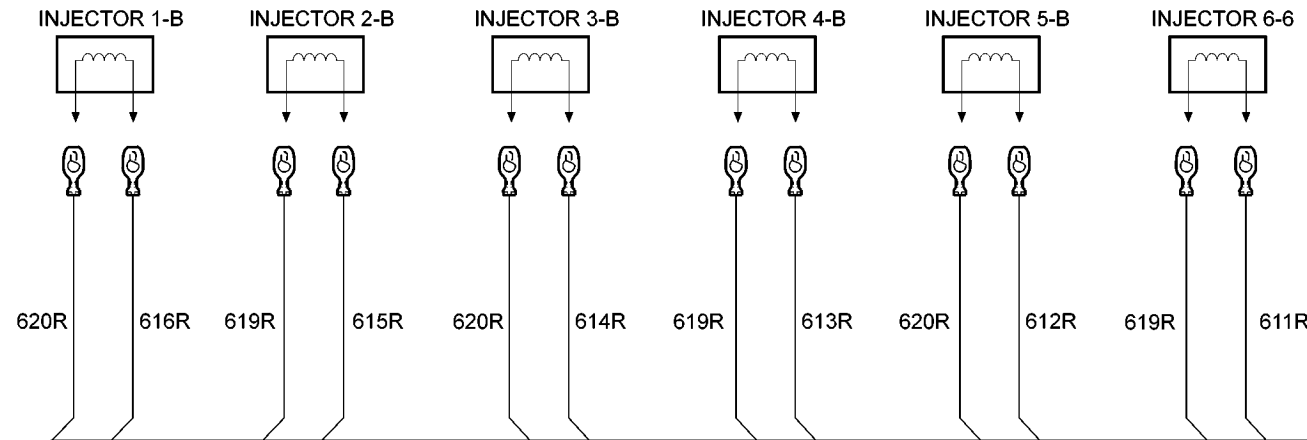
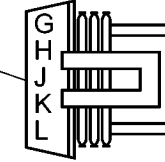
CONNECTOR COLOR BLACK

WIRE	CAVITY	DESCRIPTION
612M	A	INJECTOR 5-A
614M	B	INJECTOR 3-A
-	C	PLUG
616M	D	INJECTOR 1-A
620M	E	INJECTOR COMMON

MASTER ECM

CONNECTOR COLOR GREY

WIRE	CAVITY	DESCRIPTION
619M	G	INJECTOR COMMON
615M	H	INJECTOR 2-A
-	J	PLUG
613M	K	INJECTOR 4-A
611M	L	INJECTOR 6-A



CONNECTOR COLOR GREY

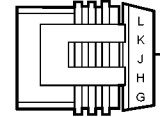
WIRE	CAVITY	DESCRIPTION
619R	G	INJECTOR COMMON
615R	H	INJECTOR 2-B
-	J	PLUG
613R	K	INJECTOR 4-B
611R	L	INJECTOR 6-B

RECEIVER ECM

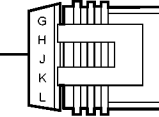
CONNECTOR COLOR BLACK

WIRE	CAVITY	DESCRIPTION
612R	A	INJECTOR 5-B
614R	B	INJECTOR 3-B
-	C	PLUG
616R	D	INJECTOR 1-B
620R	E	INJECTOR COMMON

INJECTOR HARNESS SCHEMATIC SERIES 4000-12V



BDC for Manuals - specs - Bolt torques
<https://barringtondieselclub.co.za/>

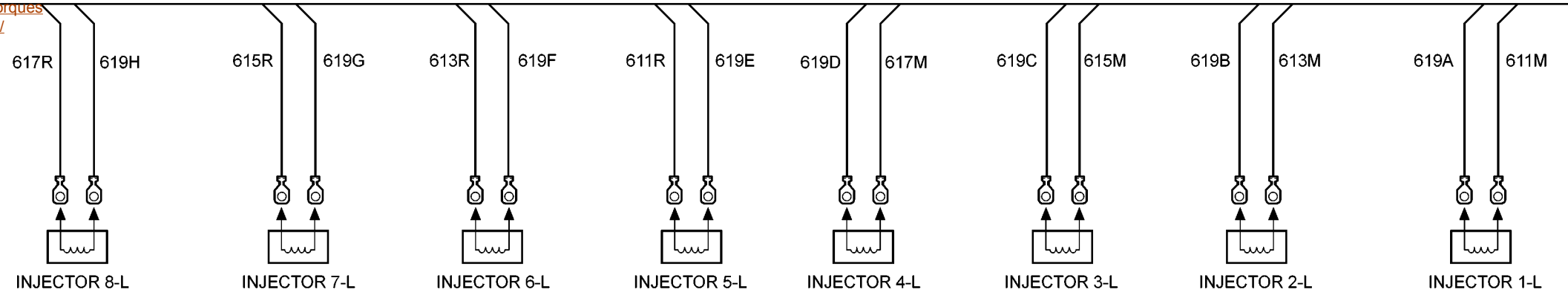


CONNECTOR COLOR GREY

CONNECTOR COLOR GREY

WIRE NO.	CAVITY	DESCRIPTION
619R	G	INJECTOR COMMON
615R	H	INJECTOR 7-L
617R	J	INJECTOR 8-L
613R	K	INJECTOR 6-L
611R	L	INJECTOR 5-L

WIRE NO.	CAVITY	DESCRIPTION
611M	L	INJECTOR 1-L
613M	K	INJECTOR 2-L
617M	J	INJECTOR 4-L
615M	H	INJECTOR 3-L
619M	G	INJECTOR COMMON



RECEIVER ECM

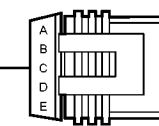
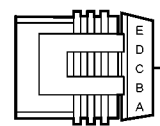
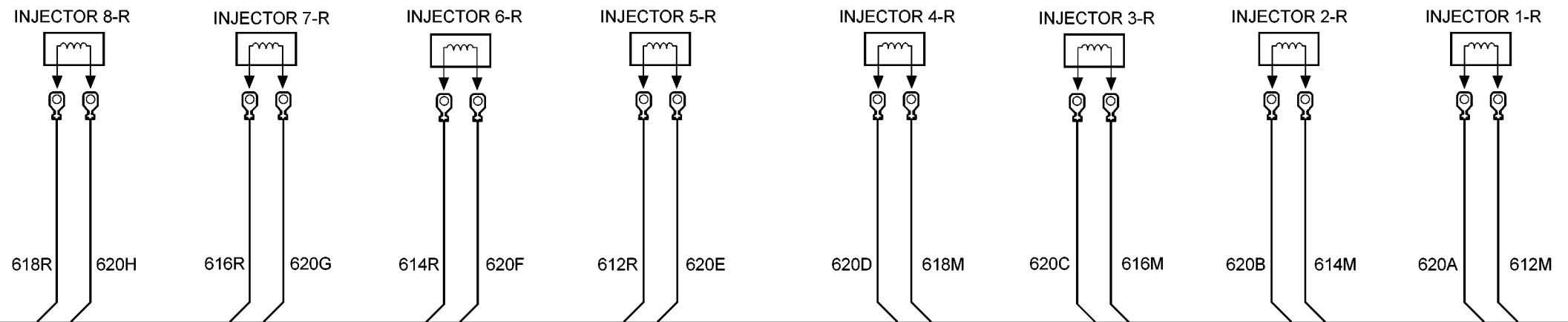
MASTER ECM

CONNECTOR COLOR BLACK

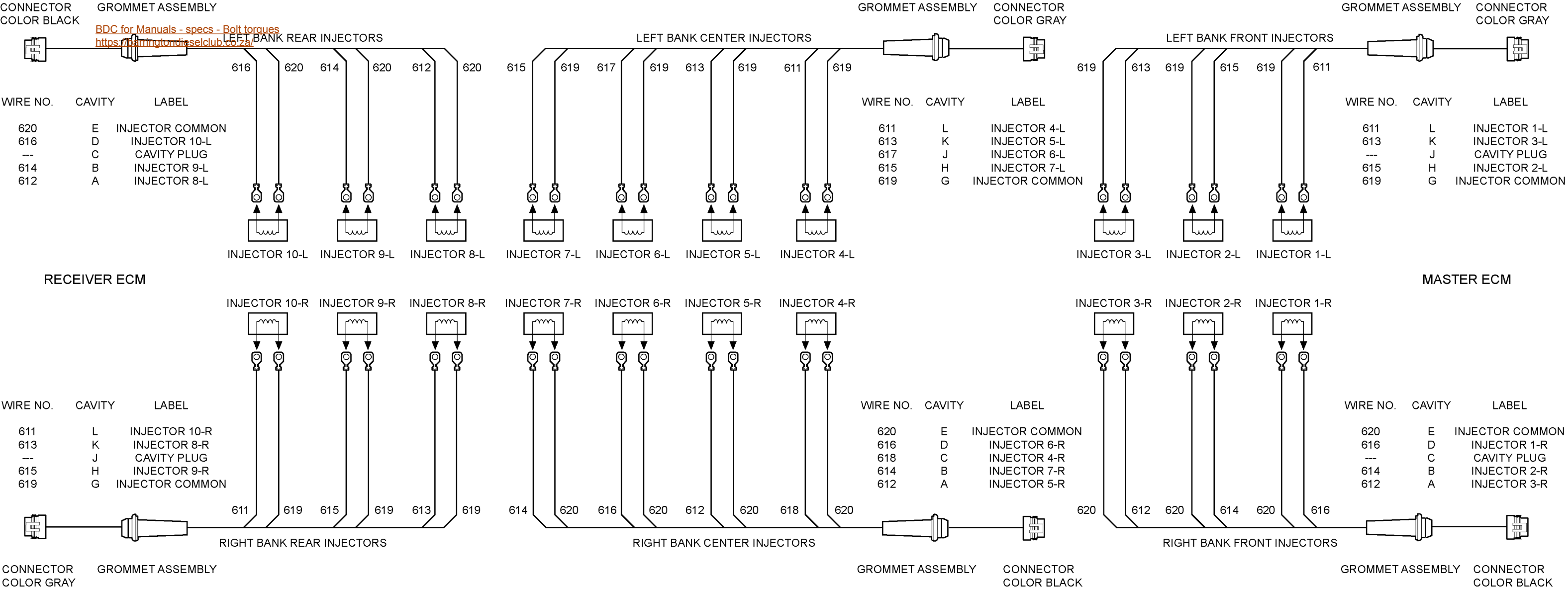
CONNECTOR COLOR BLACK

WIRE NO.	CAVITY	DESCRIPTION
612R	A	INJECTOR 5-R
614R	B	INJECTOR 6-R
618R	C	INJECTOR 8-R
616R	D	INJECTOR 7-R
620R	E	INJECTOR COMMON

WIRE NO.	CAVITY	LABEL
620M	E	INJECTOR COMMON
616M	D	INJECTOR 3-R
618M	C	INJECTOR 4-R
614M	B	INJECTOR 2-R
612M	A	INJECTOR 1-R



INJECTOR HARNESS SCHEMATIC SERIES 4000-16V

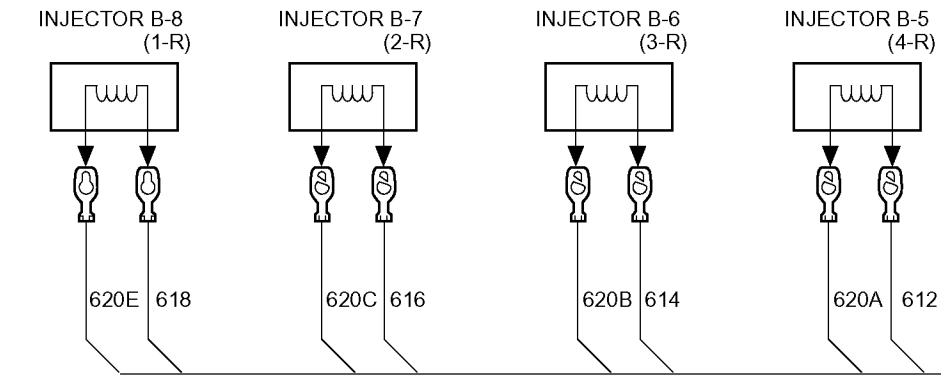


INJECTOR HARNESS SCHEMATIC SERIES 149-20V



MASTER ECM

RECEIVER ECM

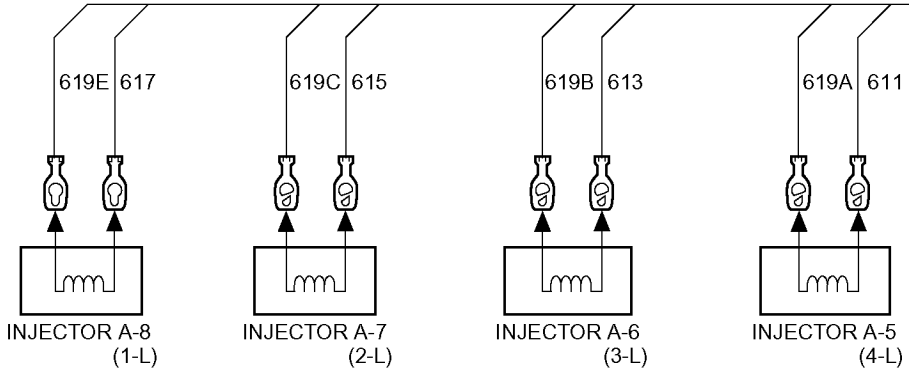
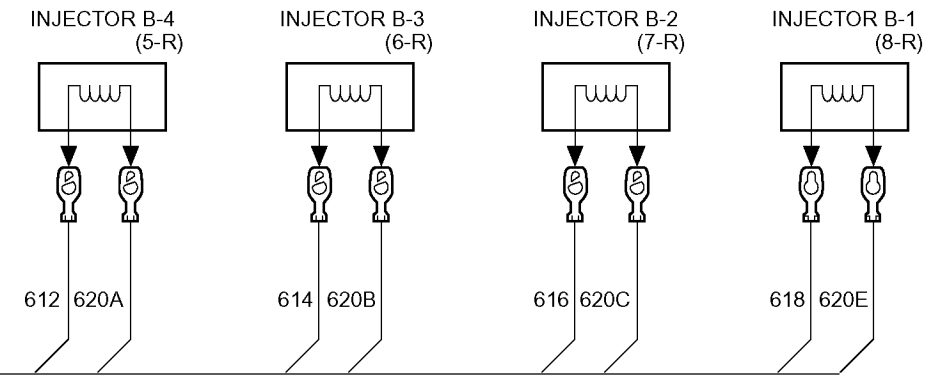


CONNECTOR
 P/N: 12162825
 COLOR BLACK

WIRE #	CAVITY	DESCRIPTION
620	E	INJECTOR COMMON
616	D	INJECT B-7 (2-R)
618	C	INJECT B-8 (1-R)
614	B	INJECT B-6 (3-R)
612	A	INJECT B-5 (4-R)

CONNECTOR
 P/N: 12162825
 COLOR BLACK

WIRE #	CAVITY	DESCRIPTION
620	E	INJECTOR COMMON
616	D	INJECT B-2 (7-R)
618	C	INJECT B-1 (8-R)
614	B	INJECT B-3 (6-R)
612	A	INJECT B-4 (5-R)

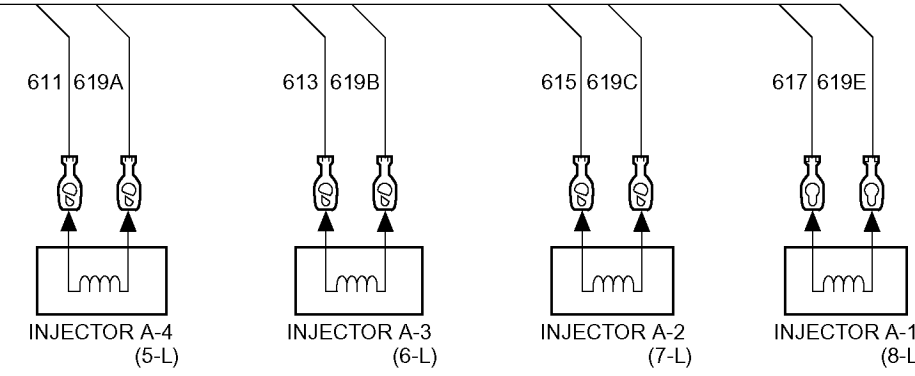


CONNECTOR
 P/N: 12162830
 COLOR BLACK

WIRE #	CAVITY	DESCRIPTION
611	L	INJECT A-5 (4-L)
613	K	INJECT A-6 (3-L)
617	J	INJECT A-8 (1-L)
615	H	INJECT A-7 (2-L)
619	G	INJECTOR COMMON

CONNECTOR
 P/N: 12162830
 COLOR BLACK

WIRE #	CAVITY	DESCRIPTION
611	L	INJECT A-4 (5-L)
613	K	INJECT A-3 (6-L)
617	J	INJECT A-1 (8-L)
615	H	INJECT A-2 (7-L)
619	G	INJECTOR COMMON

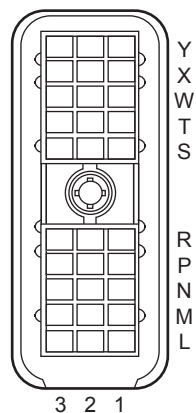


**INJECTOR HARNESS
 SCHEMATIC SERIES 2000 - 16V**

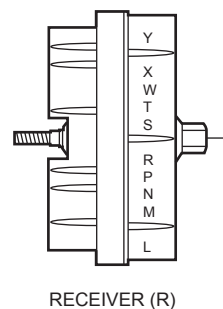
GROUP NO. REF:
 06N04

DETROIT DIESEL CORPORATION
SK-11605
 38697

TRS (-)	109	T-1	PPL
TRS (+)	110	T-2	DK GRN
SRS (+)	111	S-2	LT BLU
STS (-)	112	S-1	WHT
OIL TEMPERATURE	120R	RR-2	TAN
COOLANT TEMP	120M	MR-2	TAN
BOOST AIR TEMPERATURE LB	132M	MN-2	WHT
BOOST AIR TEMPERATURE RB	132R	RN-2	WHT
INTERCOOLER COOLANT TEMP.	133M	MP-3	YEL
SENSOR SUPPLY (5VDC)	416M	MW-1	GRA
SENSOR SUPPLY (5VDC)	416R	RW-1	GRA
TURBO BOOST LB	432M	MP-1	LT GRN
TURBO BOOST RB*	432R	RP-1	LT GRN
SENSOR RETURN (ENGINE)	452M	MY-2	BLACK
SENSOR RETURN (ENGINE)	452R	RY-2	BLACK
FUEL TEMP	472M	MR-3	ORN
OIL PRESSURE	530M	MP-2	BRN
DIGITAL OUPUT W-3	563M	MW-3	YEL
DIGITAL OUTPUT X-3	564M	MX-3	TAN/BLK
DIGITAL OUTPUT Y-3	565M	MY-3	RED
TIMED INPUT	573	X-1	BRN
FUEL PRESSURE	905M	MM-1	YEL
CRANKCASE PRESSURE	906M	MN-1	ORN
INJECTION PRESSURE	907M	MR-1	DK GRN
PWM OUT #2-FAN	909M	MY-1	LT GRN
PWM OUT #3-PUMP	910M	MW-2	ORN
J1939 (+)	925	L-3	DK BLU
J1939 (-)	926	M-3	DK BLU/WHT
J1939 SHIELD	927	N-3	WHT/BLU
ENGINE COOLANT PRESSURE	976M	ML-2	DK GRN
INTERCOOLER COOLANT PRESS.	976R	RL-2	DK GRN
BAROMETRIC PRESSURE*	904M	ML-1	PPL/WHT
OIL FILTER RESTRICTION SWITCH*	958M	MM-2	DK BLU



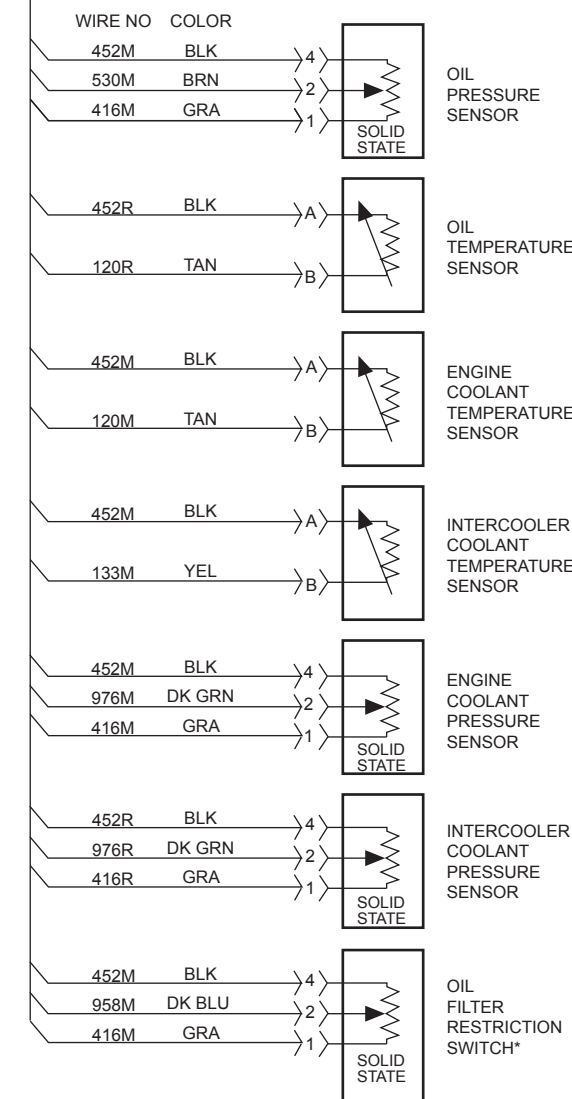
30 WAY CONNECTOR
DDC P/N: 12034400
TERMINAL
DDC P/N: 12103881



WIRE NO	COLOR	
925	DK BLU	CAN_H / J1939 (+)
926	DK BLU/WHT	CAN_H / J1939 (-)
927	WHT/BLU	CAN_H / J1939 SHIELD

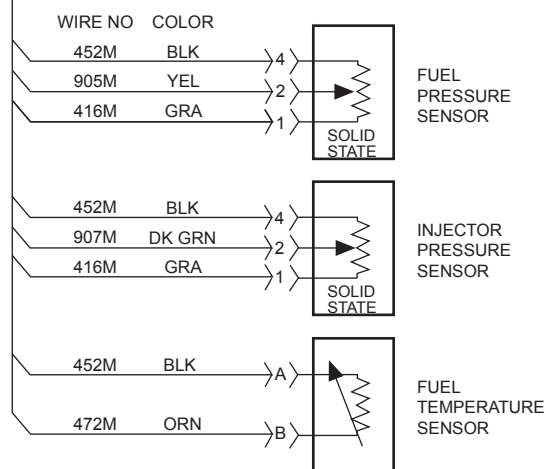
PROPRIETARY:
COMMUNICATION LINK
THAT IS USED FOR
MULTI-BLOCK ECM
COMMUNICATIONS

OIL AND COOLANT SENSORS

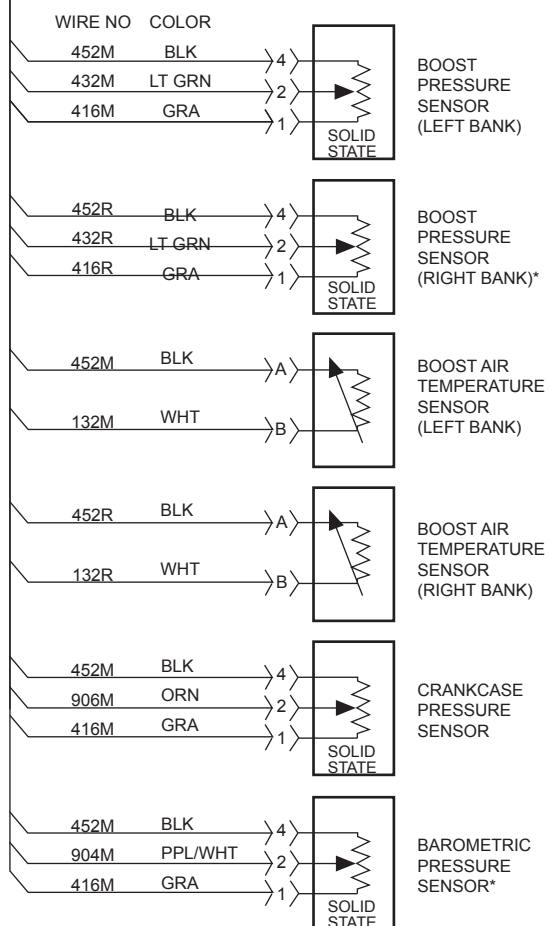


* AVAILABLE ON SOME APPLICATIONS

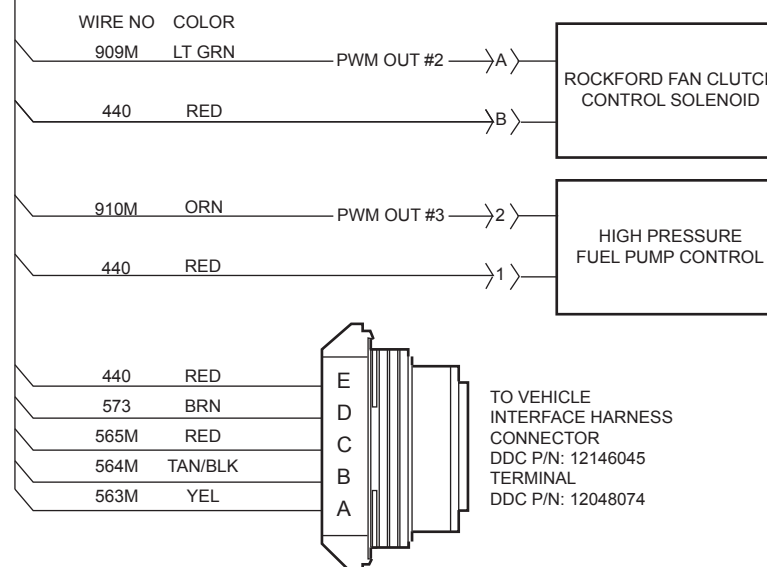
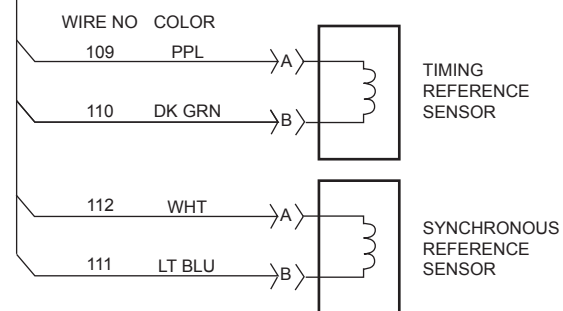
FUEL SENSORS



AIR SENSORS



CRANK POSITION SENSORS

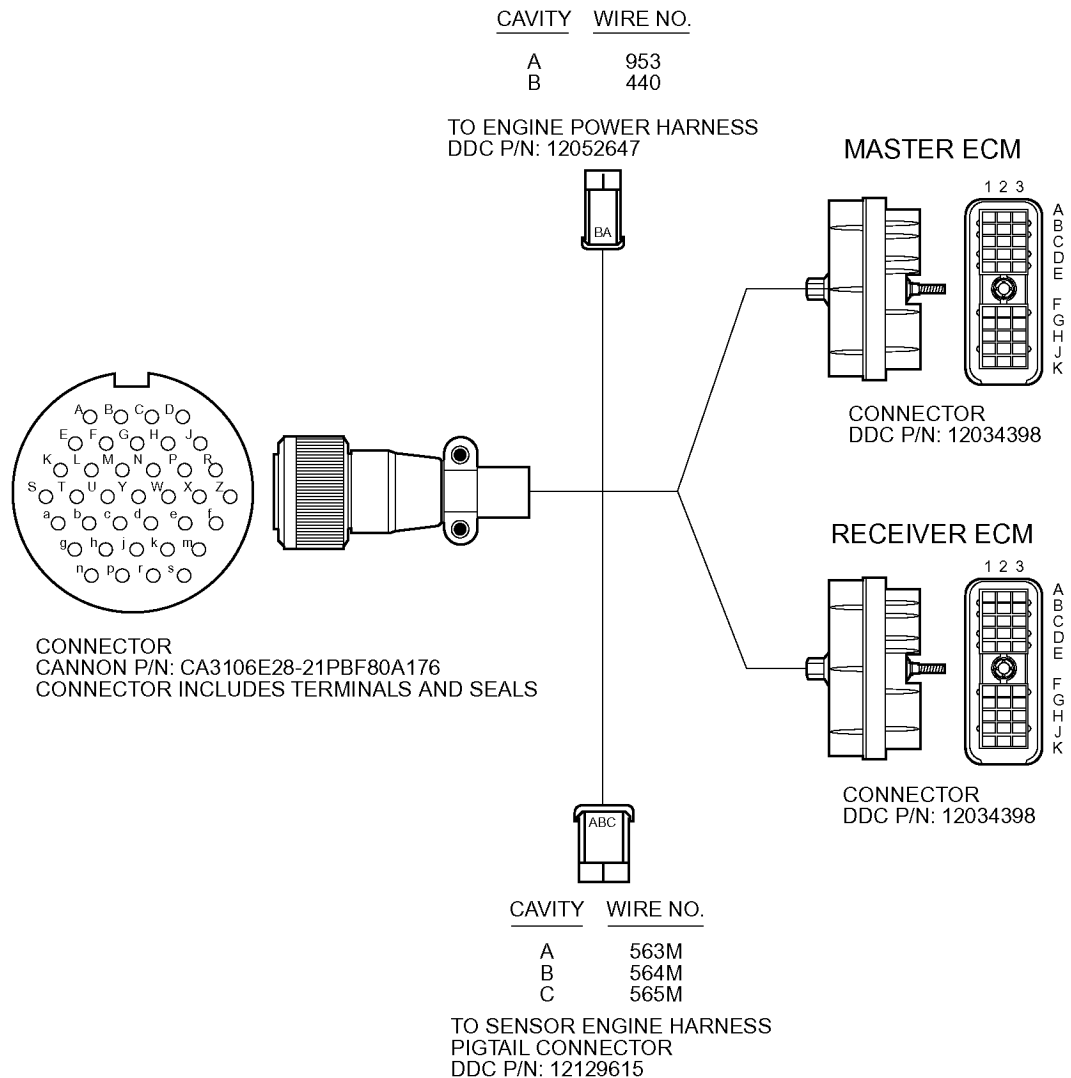


**12V AND 16V
SERIES 4000 ENGINE HARNESS**



BDC for Manuals - specs - Bolt torques
<https://barringtondieselclub.co.za/>

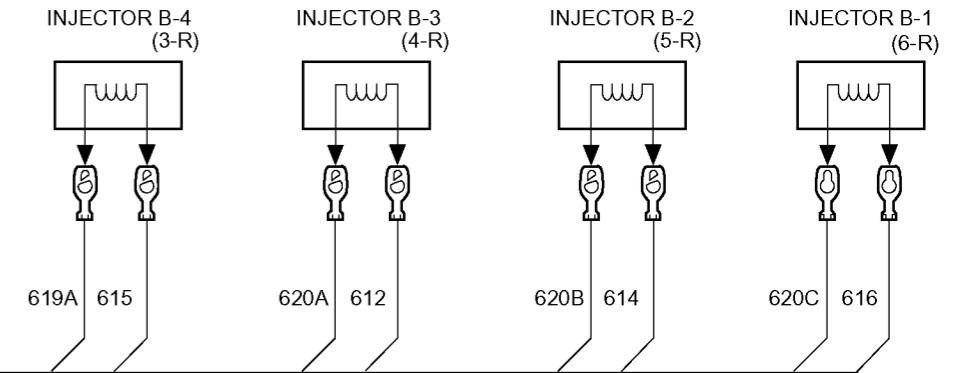
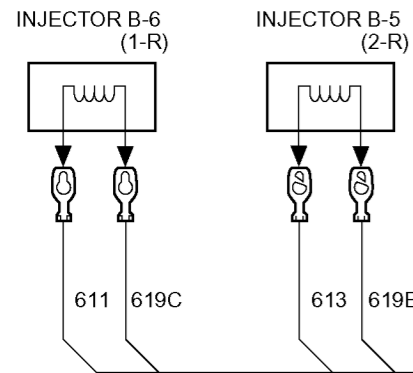
LABEL	WIRE NO.	CAVITY	COLOR
IGNITION	439	A	PNK
DIGITAL INPUT K-2	583	B	LT BLU/BLK
DIGITAL INPUT K-3	979	C	WHT
VEHICLE SPEED (-)	557	D	LT BLU/ORN
TACHOMETER DRIVE	505M	E	GRA
DIGITAL INPUT J-2	531M	F	ORN
BATTERY GROUND	953	G	BLK
J1587 DATA LINK (+)	900	H	DK GRN/YEL
POWER HARNESS JUMPER	440	J	ORN
PWM #1 OUTPUT	908M	K	WHT
DIGITAL INPUT J-1	541M	L	YEL/RED
VEHICLE SPEED (+)	556	M	LT BLU/BLK
LIMITING SPEED GOVERNOR	417	N	DK BLU
J1587 DATA LINK (-)	901	P	DK GRN
DIGITAL OUTPUT A-1	988M	R	GRA
PLUG	S	S	
DIGITAL INPUT H-2	524M	T	GRA
SENSOR SUPPLY (5V)	916M	U	RED/BLK
VARIABLE SPEED GOVERNOR	510	V	BRN
SENSOR RETURN	952M	W	BLK
PLUG	X	X	
DIGITAL OUTPUT A-2	555M	Z	TAN
DIGITAL INPUT E-1	451R	a	LT GRN
DIGITAL INPUT H-1	523M	b	GRA/RED
COOLANT LEVEL	115M	c	ORN
ANALOG INPUT	749M	d	YEL
DIGITAL INPUT F-1	542M	e	YEL
ESH PIGTAIL-DIGITAL OUTPUT-W3	563M	f	TAN
DIGITAL INPUT E-1	451M	g	LT GRN
DIGITAL INPUT G-3	545M	h	LT BLU/YEL
DIAGNOSTIC REQUEST/SEO	528	j	BRN/RED
DIGITAL INPUT F-2	544	k	BRN/WHT
ESH PIGTAIL-DIGITAL OUTPUT-X3	564M	m	YEL
STOP ENGINE LIGHT	509	n	GRA
CHECK ENGINE LIGHT	419	p	PPL/WHT
DIGITAL OUTPUT F-3	499M	r	LT GRN
ESH PIGTAIL-DIGITAL OUTPUT-Y3	565M	s	PNK



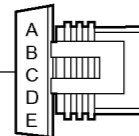
CAVITY	WIRE NO.
A1	988M
A2	555M
A3	916M
B1	419M
B2	509M
B3	439M
C1	901M
C2	900M
C3	952M
D1	510M
D2	417M
D3	749M
E1	451M
E2	556M
E3	557M
F1	542M
F2	544M
F3	499M
G1	528M
G2	PLUG
G3	545M
H1	523M
H2	524M
H3	115M
J1	541M
J2	531M
J3	908M
K1	505M
K2	583M
K3	979M

CAVITY	WIRE NO.
B1	419R
B2	509R
B3	439R
C1	901R
C2	900R
D1	510R
D2	417R
E1	451R
E2	556R
E3	557R
F2	544R
G1	528R
K2	583R
K3	979R

GROUP NO. REF: 12H00-0547 12H00-0549	SERIES 2000 OPTIONAL ENGINE INTERFACE HARNESS MULTI-ECM	SK-11598 38618
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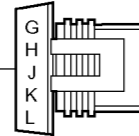


CONNECTOR
 P/N: 12162825
 COLOR BLACK



WIRE #	CAVITY	DESCRIPTION
612	A	INJECTOR B-3 (4-R)
614	B	INJECTOR B-2 (5-R)
PLUG	C	PLUG
616	D	INJECTOR B-1 (6-R)
620	E	INJECTOR COMMON

CONNECTOR
 P/N: 12162830
 COLOR GRAY

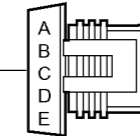


WIRE #	CAVITY	DESCRIPTION
619	G	INJECTOR COMMON
615	H	INJECTOR B-4 (3-R)
PLUG	J	PLUG
613	K	INJECTOR B-5 (2-R)
611	L	INJECTOR B-6 (1-R)

RECEIVER ECM

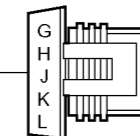
MASTER ECM

CONNECTOR
 P/N: 12162825
 COLOR BLACK

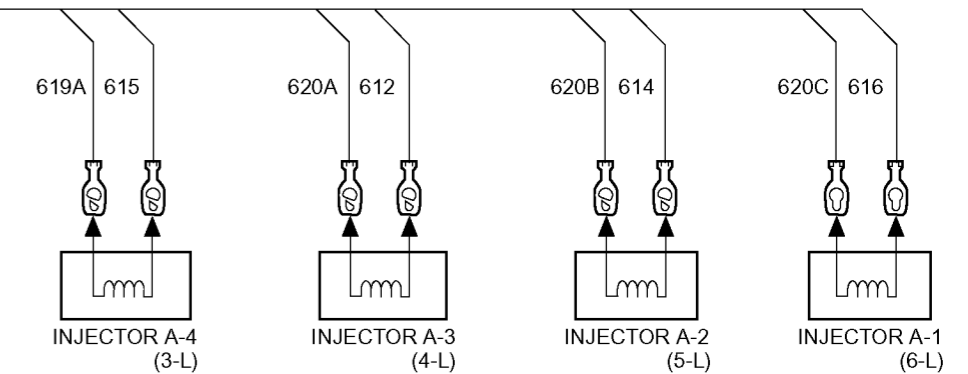
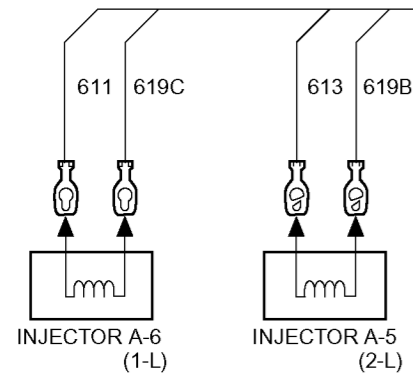


WIRE #	CAVITY	DESCRIPTION
612	A	INJECTOR A-3 (4-L)
614	B	INJECTOR A-2 (5-L)
PLUG	C	PLUG
616	D	INJECTOR A-1 (6-L)
620	E	INJECTOR COMMON

CONNECTOR
 P/N: 12162830
 COLOR GRAY



WIRE #	CAVITY	DESCRIPTION
619	G	INJECTOR COMMON
615	H	INJECTOR A-4 (3-L)
PLUG	J	PLUG
613	K	INJECTOR A-5 (2-L)
611	L	INJECTOR A-6 (1-L)

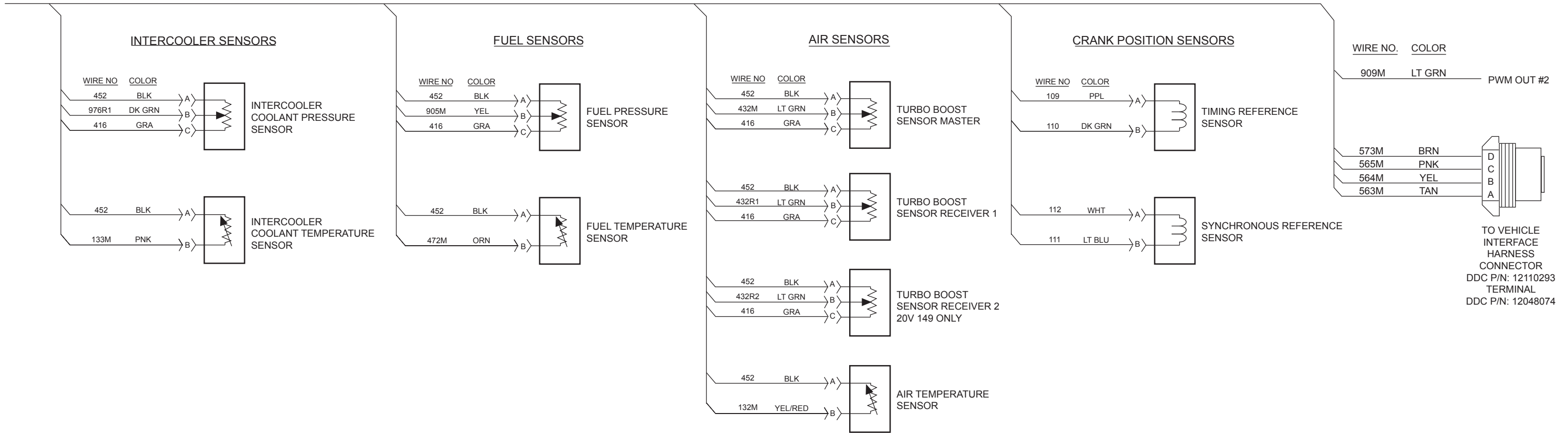
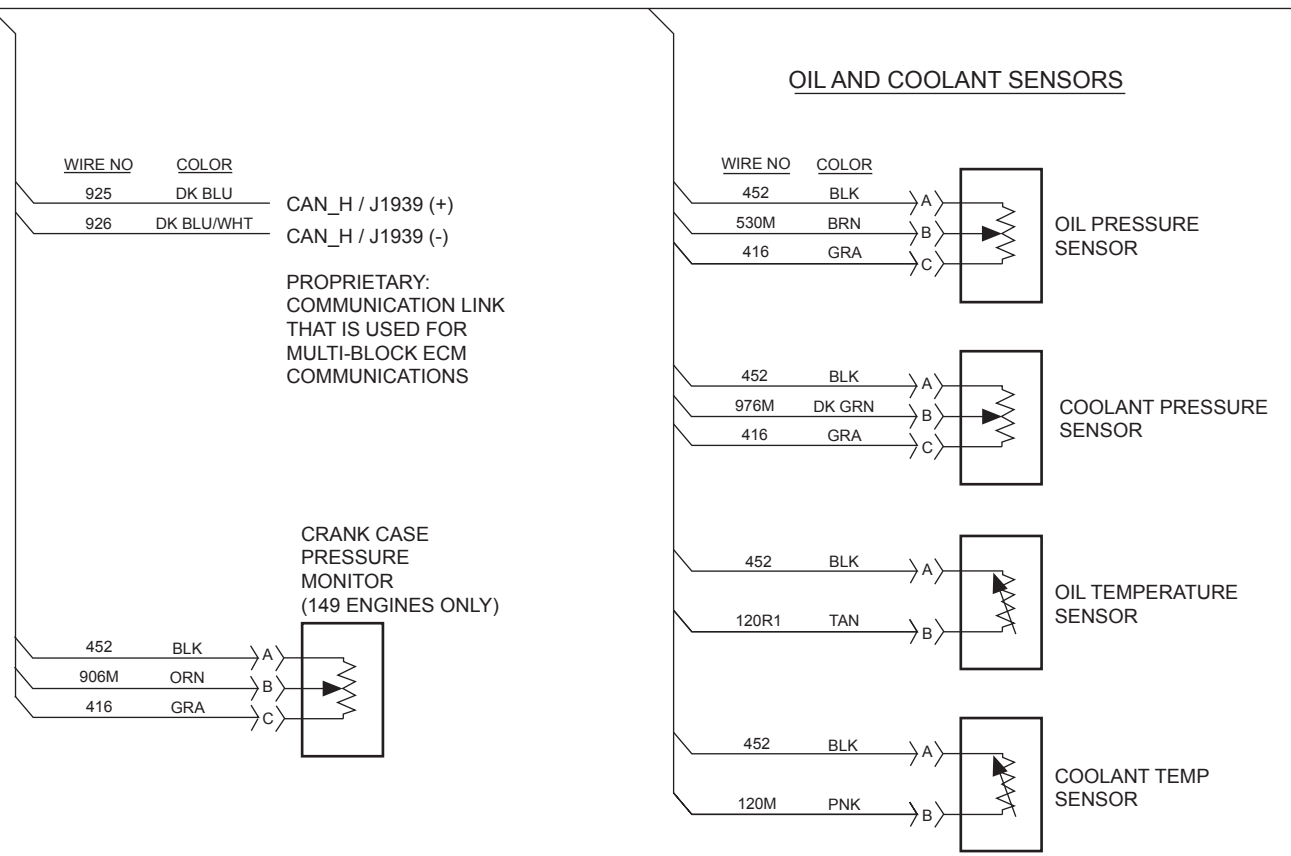
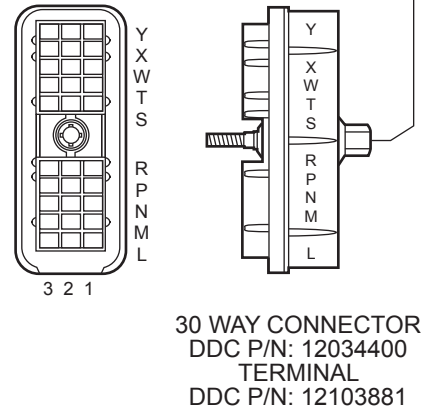


**INJECTOR HARNESS
 SCHEMATIC SERIES 2000 - 12V**

GROUP NO. REF:
 06N04

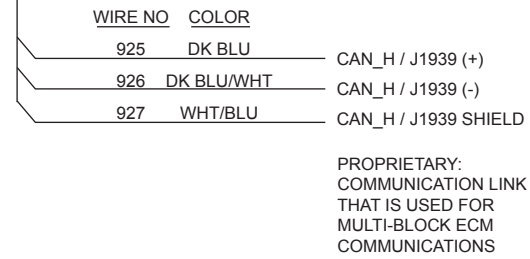
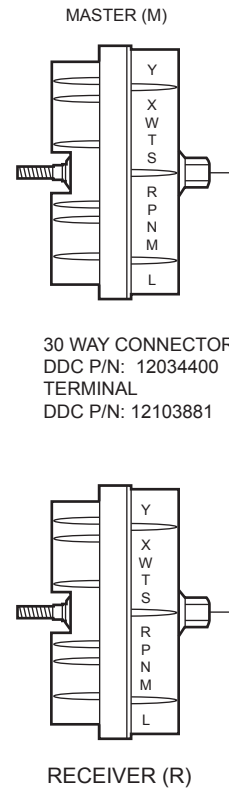
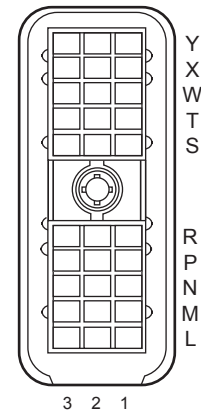
DETROIT DIESEL CORPORATION
SK-11604

LABEL	WIRE NO	CAVITY	COLOR
TRS (-)	109	T-1	PPL
TRS (+)	110	T-2	DK GRN
SRS (+)	111	S-2	LT BLU
SRS (-)	112	S-1	WHT
OIL TEMPERATURE	120-R1	RR-2	TAN
COOLANT TEMPERATURE	120M	MR-2	TAN
AIR TEMPERATURE	132M	N-2	YEL/RED
COOLANT TEMPERATURE	133M	MP-3	PNK
SENSOR SUPPLY (5VDC)	416	W-1	GRA
TURBO BOOST - MASTER	432M	MP-1	ORN
TURBO BOOST - RECEIVER 1	432-R1	RP-1	ORN
TURBO BOOST - RECEIVER 2	432-R2	RP-1	ORN
SENSOR RETURN (ENGINE)	452	Y-2	BLACK
FUEL TEMPERATURE	472M	MR-3	ORN
OIL PRESSURE	530M	MP-2	BRN
DIGITAL OUTPUT W-3	563M	MW-3	TAN
DIGITAL OUTPUT X-3	564M	MX-3	YEL
DIGITAL OUTPUT Y-3	565M	MY-3	PNK
TIMED INPUT	573	X-1	BRN
FUEL PRESSURE	905M	MM-1	YEL
CRANKCASE PRESSURE	906M	MN-1	ORN
PWM OUT #2	909M	MY-1	LT GRN
J1939 (+)	925	L-3	DK BLU
J1939 (-)	926	M-3	DK BLU/WHT
COOLANT PRESSURE	976M	ML-2	DK GRN
INTERCOOLER COOLANT PRESSURE	976-R1	RL-2	DK GRN

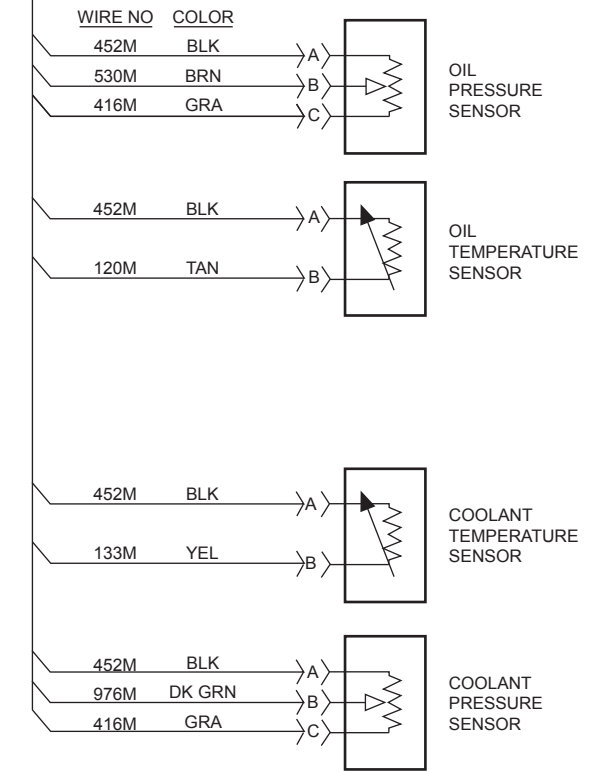


ENGINE SENSOR HARNESS SERIES 149

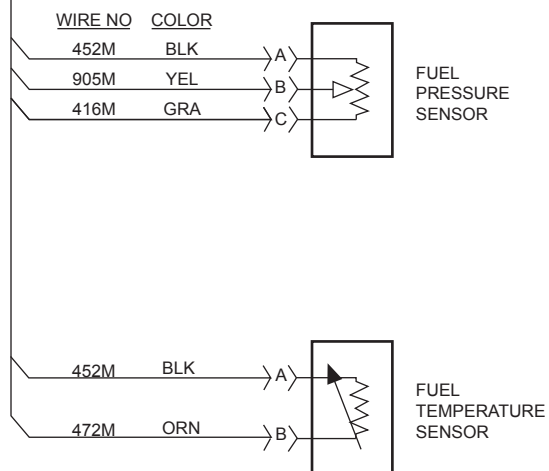
LABEL	WIRE NO	CAVITY	COLOR
TRS (-)	109	T-1	PPL
TRS (+)	110	T-2	DK GRN
SRS (+)	111	S-2	LT BLU
SRS (-)	112	S-1	WHT
OIL TEMPERATURE	120M	MR-2	TAN
AIR CHARGE TEMPERATURE	132M	MN-2	WHT
COOLANT TEMP	133M	MP-3	YEL
SENSOR SUPPLY (5VDC)	416M	MW-1	GRA
TURBO BOOST	432M	MP-1	LT GRN
SENSOR RETURN (ENGINE)	452M	MY-2	BLACK
FUEL TEMP	472M	MR-3	ORN
OIL PRESSURE	530M	MP-2	BRN
DIGITAL OUPUT W-3	563M	MW-3	YEL
DIGITAL OUTPUT X-3	564M	MX-3	TAN/BLK
DIGITAL OUTPUT Y-3	565M	MY-3	RED
FUEL PRESSURE	905M	MM-1	YEL
J1939 (+)	925	L-3	DK BLU
J1939 (-)	926	M-3	DK BLU/WHT
J1939 SHIELD	927	N-3	WHT/BLU
COOLANT PRESSURE	976M	ML-2	DK GRN



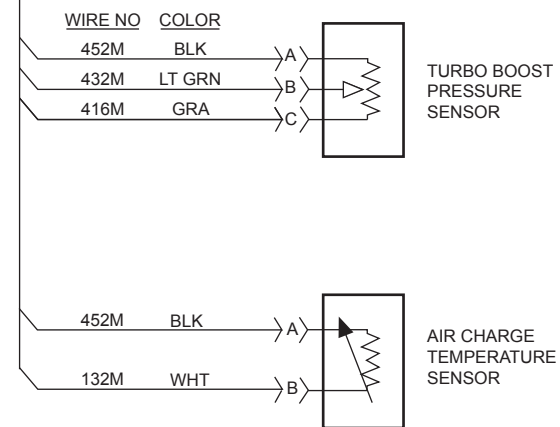
OIL AND COOLANT SENSORS



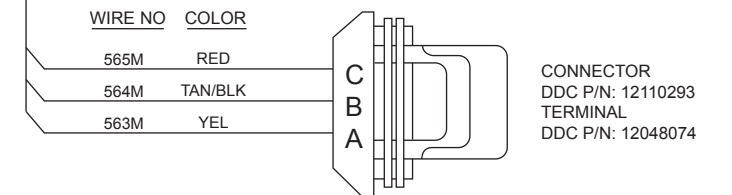
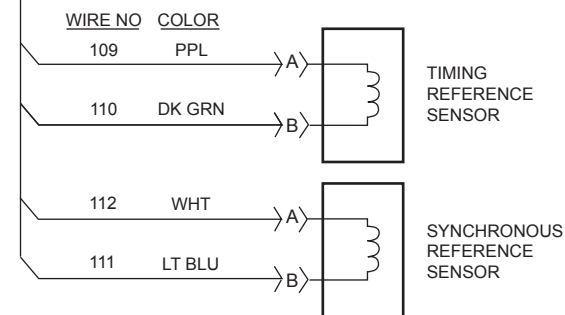
FUEL SENSORS



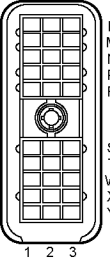
AIR SENSORS



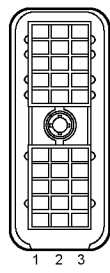
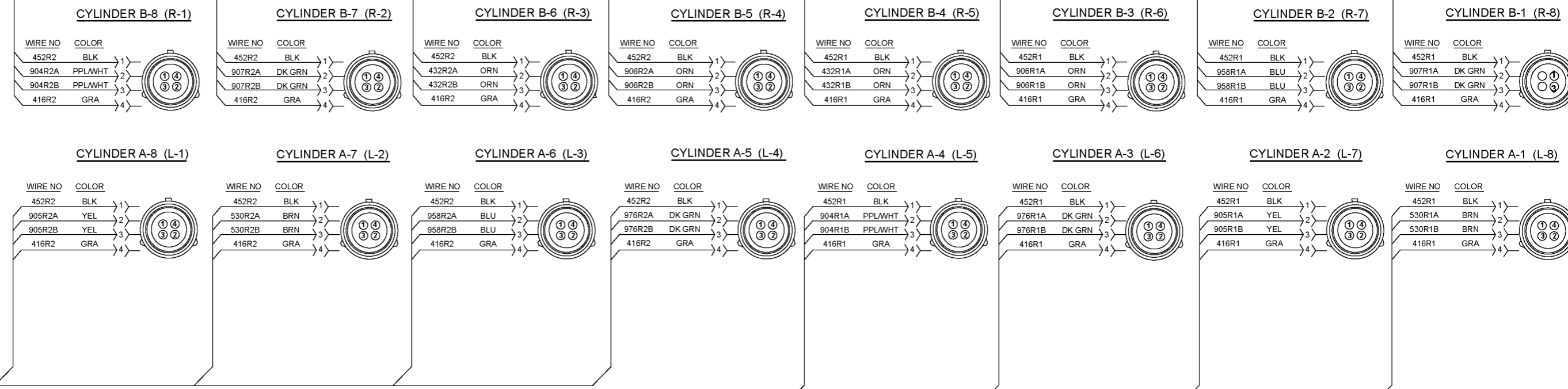
CRANK POSITION SENSORS



**12V AND 16V
 SERIES 2000
 ENGINE HARNESS**

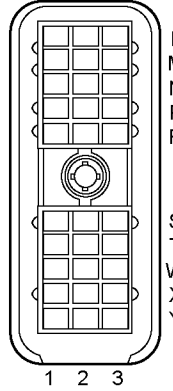


PDF for Manuals - specs - Bolt torques
<https://barringtondieselclub.co.za/>

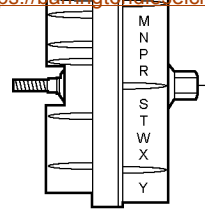


LABEL	WIRE NO	CAVITY	COLOR
RECEIVER 2 ECM			
SENSOR SUPPLY (5VDC) ENGINE	416R2	R2 W-1	GRA
SENSOR RETURN ENGINE	452R2	R2 Y-2	BLK
EXHAUST TEMPERATURE A-5	976R2	R2 L-2	DK GRN
EXHAUST TEMPERATURE A-6	958R2	R2 M-2	BLU
EXHAUST TEMPERATURE A-7	530R2	R2 P-2	BRN
EXHAUST TEMPERATURE A-8	905R2	R2 M-1	YEL
EXHAUST TEMPERATURE B-5	906R2	R2 N-1	ORN
EXHAUST TEMPERATURE B-6	432R2	R2 P-1	ORN
EXHAUST TEMPERATURE B-7	907R2	R2 R-1	DK GRN
EXHAUST TEMPERATURE B-8	904R2	R2 L-1	PPL/WHT
RECEIVER 1 ECM			
SENSOR SUPPLY (5VDC) ENGINE	416R1	R1 W-1	GRA
SENSOR RETURN ENGINE	452R1	R1 Y-2	BLK
EXHAUST TEMPERATURE A-1	530R1	R1 P-2	BRN
EXHAUST TEMPERATURE A-2	905R1	R1 M-1	YEL
EXHAUST TEMPERATURE A-3	976R1	R1 L-2	DK GRN
EXHAUST TEMPERATURE A-4	904R1	R1 L-1	PPL/WHT
EXHAUST TEMPERATURE B-1	907R1	R1 R-1	DK GRN
EXHAUST TEMPERATURE B-2	958R1	R1 M-2	BLU
EXHAUST TEMPERATURE B-3	906R1	R1 N-1	ORN
EXHAUST TEMPERATURE B-4	432R1	R1 P-1	ORN

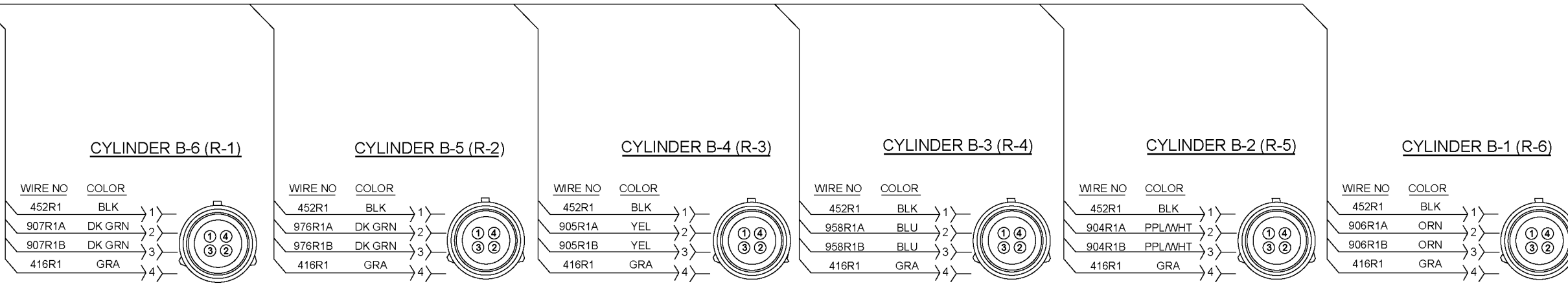
16V SERIES 4000 MARINE EXHAUST TEMPERATURE SENSORS



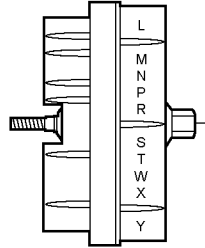
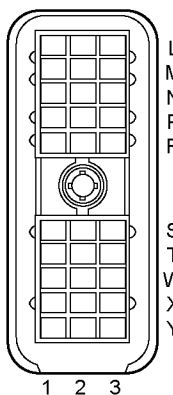
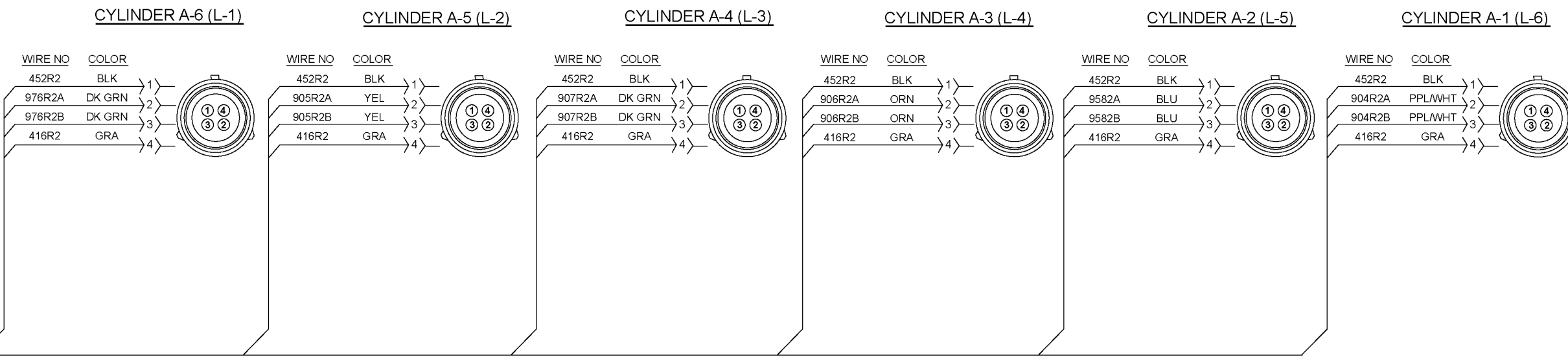
BDC for Manuals - specs - Bolt torques
<https://barringtondieselclub.co.za/>



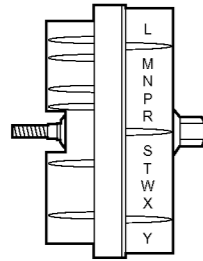
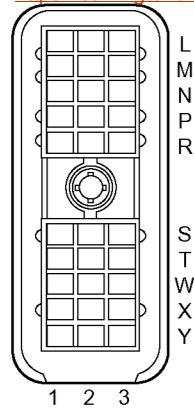
LABEL	WIRE NO	CAVITY	COLOR
RECEIVER 2 ECM			
SENSOR SUPPLY (5VDC) ENGINE	416R2	R2 W-1	GRA
SENSOR RETURN ENGINE	452R2	R2 Y-2	BLK
EXHAUST TEMPERATURE A-1	904R2	R2 L-1	PPL/WHT
EXHAUST TEMPERATURE A-2	958R2	R2 M-2	BLU
EXHAUST TEMPERATURE A-3	906R2	R2 N-1	ORN
EXHAUST TEMPERATURE A-4	907R2	R2 R-1	DK GRN
EXHAUST TEMPERATURE A-5	905R2	R2 M-1	YEL
EXHAUST TEMPERATURE A-6	976R2	R2 L-2	DK GRN



LABEL	WIRE NO	CAVITY	COLOR
RECEIVER 1 ECM			
SENSOR SUPPLY (5VDC) ENGINE	416R1	R1 W-1	GRA
SENSOR RETURN ENGINE	452R1	R1 Y-2	BLK
EXHAUST TEMPERATURE B-1	906R1	R1 N-1	ORN
EXHAUST TEMPERATURE B-2	904R1	R1 L-1	PPL/WHT
EXHAUST TEMPERATURE B-3	958R1	R1 M-2	BLU
EXHAUST TEMPERATURE B-4	905R1	R1 M-1	YEL
EXHAUST TEMPERATURE B-5	976R1	R1 L-2	DK GRN
EXHAUST TEMPERATURE B-6	907R1	R1 R-1	DK GRN



12V SERIES 4000 MARINE EXHAUST TEMPERATURE SENSORS



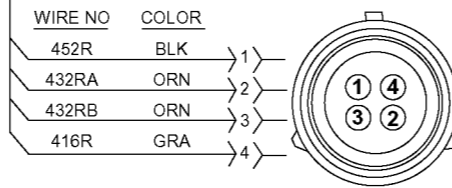
13400 WEST OUTER DRIVE
 DETROIT, MICHIGAN 48239-4001



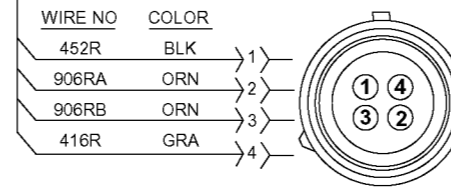
DETROIT DIESEL
 CORPORATION

LABEL	WIRE NO	CAVITY	COLOR
RECEIVER ECM			
SENSOR SUPPLY (5VDC) ENGINE	416R2	W-1	GRA
SENSOR RETURN ENGINE	452R2	Y-2	BLK
EXHAUST TEMPERATURE A-1	530R2	P-2	BRN
EXHAUST TEMPERATURE A-2	905R2	M-1	YEL
EXHAUST TEMPERATURE A-3	976R2	L-2	DK GRN
EXHAUST TEMPERATURE A-4	904R2	L-1	PPL/WHT
EXHAUST TEMPERATURE B-1	907R2	R-1	DK GRN
EXHAUST TEMPERATURE B-2	958R2	M-2	BLU
EXHAUST TEMPERATURE B-3	906R2	N-1	ORN
EXHAUST TEMPERATURE B-4	432R2	P-1	ORN

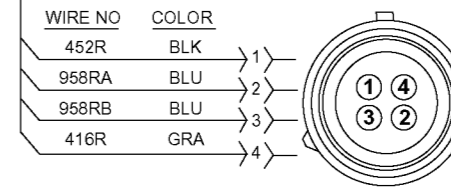
CYLINDER B-4 (R-1)



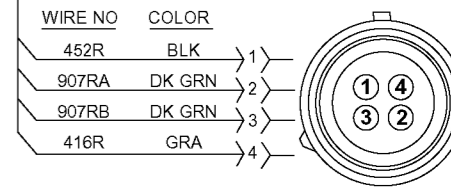
CYLINDER B-3 (R-2)



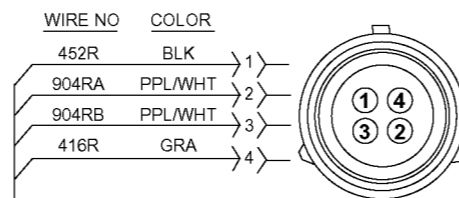
CYLINDER B-2 (R-3)



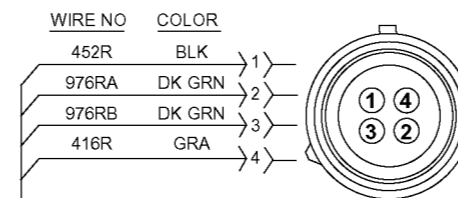
CYLINDER B-1 (R-4)



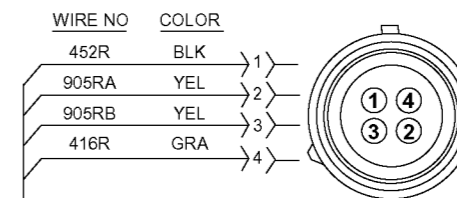
CYLINDER A-4 (L-1)



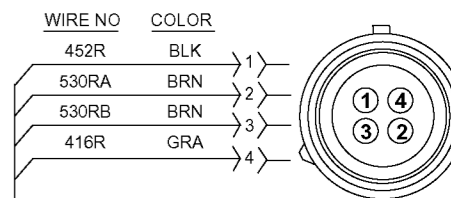
CYLINDER A-3 (L-2)



CYLINDER A-2 (L-3)



CYLINDER A-1 (L-4)



8V SERIES 4000 MARINE EXHAUST TEMPERATURE SENSORS

LABEL

BDC for Manuals - specs - Bolt torques
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WIRE NO

CAVITY

COLOR

MASTER ECM

SENSOR SUPPLY (5VDC) VEHICLE	916M
SENSOR RETURN VEHICLE	952M
AMBIENT AIR TEMPERATURE	749M
TURBO SPEED A-BANK	556M
TURBO SPEED A-BANK	557M
FUEL LEAK DETECTION	543M
COOLANT LEVEL SENSOR	115M
ENGINE COOLANT PRESSURE	976M
FUEL PRESSURE	905M
OIL FILTER RESTRICTION	958M
CRANKCASE PRESSURE SENSOR	906M
BOOST AIR TEMPERATURE	132M
BOOST PRESSURE	432M
OIL PRESSURE	530M
INTERCOOLER COOLANT TEMPERATURE	133M
INJECTOR PRESSURE	907M
ENGINE COOLANT TEMPERATURE	120M
FUEL TEMPERATURE	472M
SYNCHRONOUS REFERENCE SENSOR (-)	112M
SYNCHRONOUS REFERENCE SENSOR (+)	111M
SEQUENTIAL TURBO CONTROL (+)	561M
TIMING REFERENCE SENSOR (-)	109M
TIMING REFERENCE SENSOR (+)	110M
COMPRESSOR BLEED CONTROL (+)	562M
SENSOR SUPPLY (5VDC) ENGINE	416M
HIGH PRESSURE FUEL PUMP (-)	910M
SENSOR RETURN ENGINE	452M

MIM SENSOR CONNECTOR

SENSOR RETURN (5VDC) MIM	150	MIM 33	BLK
SENSOR SUPPLY (5VDC) MIM	441	MIM 33	GRA

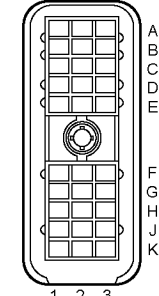
POWER CONNECTOR (16 PIN)

COMPRESSOR BLEED CONTROL (-)	150	POWER F	BLK
SEQUENTIAL TURBO CONTROL (-)	150	POWER F	BLK
HIGH PRESSURE FUEL PUMP (+)	440	POWER N	RED

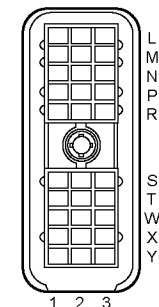
RECEIVER 2 ECM

SENSOR SUPPLY (5VDC) VEHICLE	916R2
SENSOR RETURN VEHICLE	952R2
RAW WATER / INTERCOOLER COOLANT PRESSURE	510R2
REDUNDANT OIL PRESSURE	417R2
TURBINE PRESSURE SENSOR	749R2
TURBO SPEED B-BANK	556R2
TURBO SPEED B-BANK	557R2
REDUNDANT ENGINE COOLANT TEMPERATURE	133R2
OIL TEMPERATURE	120R2
REDUNDANT TIMING REFERENCE SENSOR (-)	109R2
REDUNDANT TIMING REFERENCE SENSOR (+)	110R2

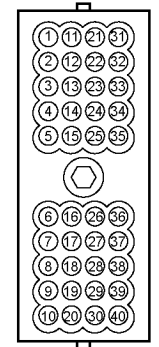
M A-3	RED/BLK
M C-3	BLK
M D-3	YEL
M E-2	LT BLU/BLK
M E-3	LT BLU/ORN
M G-2	ORN/BLK
M H-3	ORN
M L-2	DK GRN
M M-1	YEL
M M-2	BLU
M N-1	ORN
M N-2	YEL/RED
M P-1	ORN
M P-2	BRN
M P-3	PNK
M R-1	DK GRN
M R-2	TAN
M R-3	ORN
M S-1	WHT
M S-2	LT BLU
M S-3	LT BLU
M T-1	PPL
M T-2	DK GRN
M T-3	LT GRN
M W-1	GRA
M W-2	ORN
M Y-2	BLK



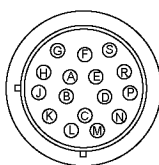
30 WAY CONNECTOR
 DDC P/N: 12034398
 TERMINAL
 DDC P/N: 12103881



30 WAY CONNECTOR
 DDC P/N: 12034400
 TERMINAL
 DDC P/N: 12103881

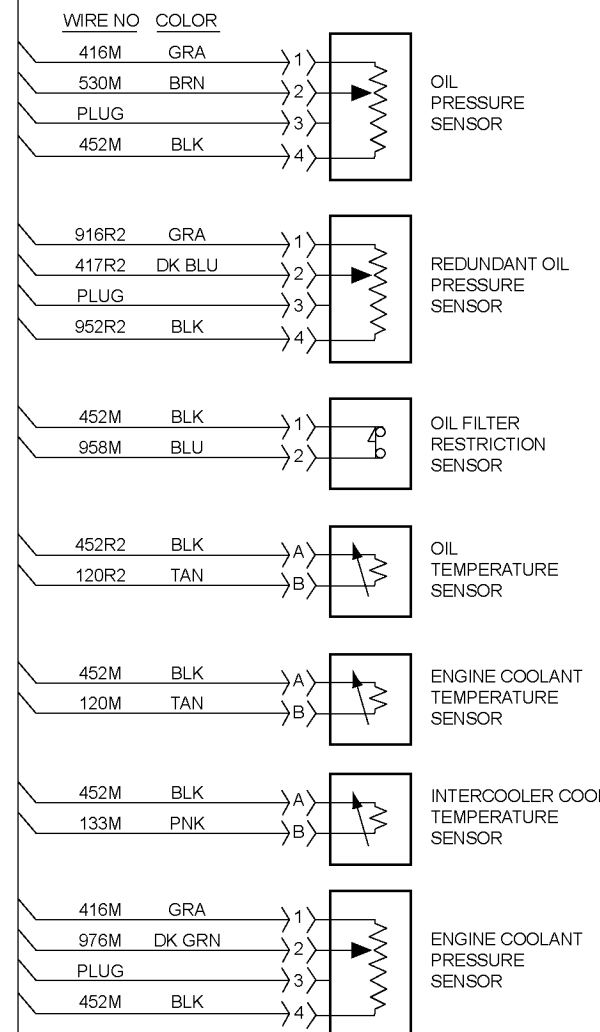


16 PIN CONNECTOR
 DDC P/N: 23513815
 TERMINAL
 DDC P/N: 23507066

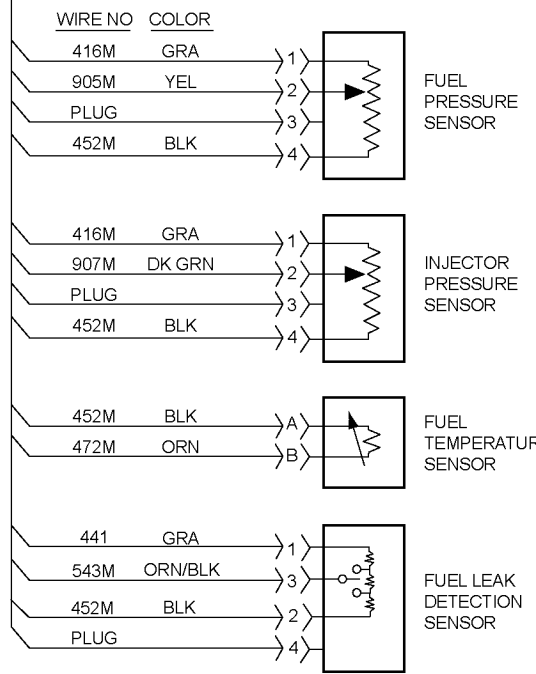


40 PIN CONNECTOR
 DDC P/N: 23524927
 TERMINAL
 DDC P/N: 23512636

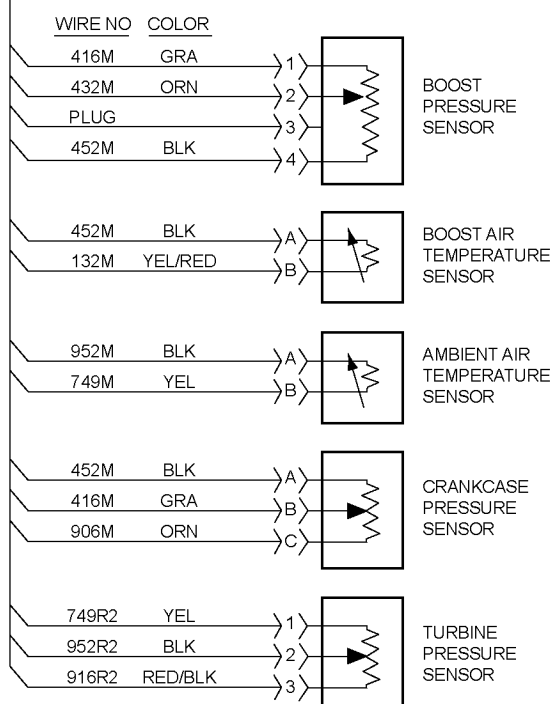
OIL AND COOLANT SENSORS



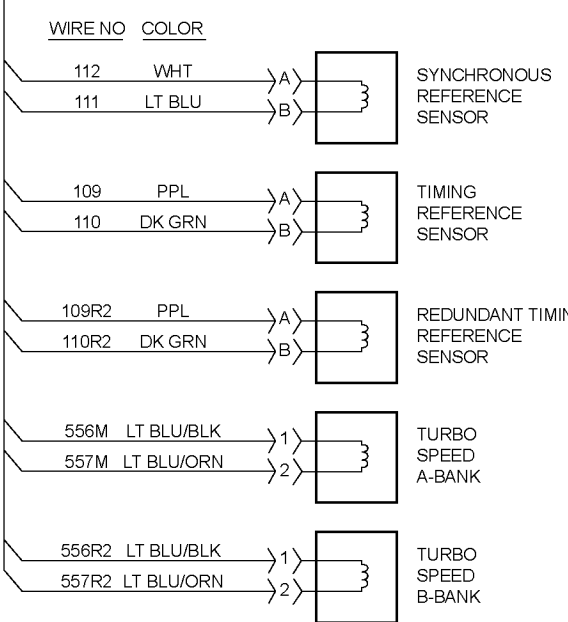
FUEL SENSORS



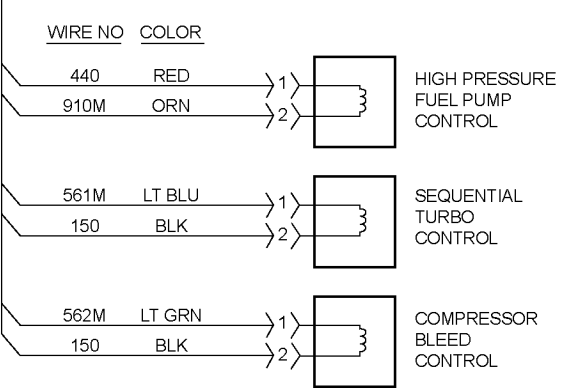
AIR/EXHAUST/CRANKCASE SENSORS



CRANK POSITION/RPM SENSORS



CONTROLS

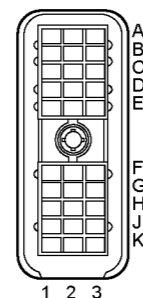


**12V AND 16V
 SERIES 4000 MARINE
 ENGINE HARNESS**

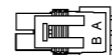
DDEC IV INTERFACE HARNESS CONNECTOR SERIES 2000

LABEL	WIRE NO	CAVITY	COLOR
COOLANT LEVEL	115	H-3	ORN
LIMITING SPEED GOVERNOR	417	D-2	DK BLUE
CHECK ENGINE LIGHT	419	B-1	PPL/WHT
IGNITION	439	B-3	PNK
DIGITAL INPUT E-1	451	E-1	LT GRN
DIGITAL OUTPUT F-3	499	F-3	LT BLU
TACHOMETER DRIVE	505	K-1	GRA
STOP ENGINE LIGHT	509	B-2	PPL
VARIABLE SPEED GOVERNOR	510	D-1	BRN
DIGITAL INPUT H-1	523	H-1	GRA/RED
DIGITAL INPUT H-2	524	H-2	GRA
DIAGNOSTIC REQUEST/SEO	528	G-1	BRN/RED
DIGITAL INPUT J-2	531	J-2	ORN
DIGITAL INPUT J-1	541	J-1	YEL/RED
DIGITAL INPUT F-1	542	F-1	YEL
DIGITAL INPUT G-2	543	G-2	ORN/BLK
DIGITAL INPUT F-2	544	F-2	BRN/WHT
DIGITAL INPUT G-3	545	G-3	LT BLUE/YEL
DIGITAL OUTPUT A-2	555	A-2	TAN
VEHICLE SPEED (+)	556	E-2	LT BLUE/BLK
VEHICLE SPEED (-)	557	E-3	LT BLUE/ORN
DIGITAL INPUT K-2	583	K-2	LT BLU/BLK
ANALOG INPUT	749	D-3	YEL
DATA LINK (+)	900	C-2	DK GREEN/YEL
DATA LINK (-)	901	C-1	DK GREEN
PWM #1 OUTPUT	908	J-3	WHT
SENSOR SUPPLY (5VDC)	916	A-3	RED/BLK
SENSOR RETURN	952	C-3	BLK
DIGITAL INPUT K-3	979	K-3	WHT
DIGITAL OUTPUT A-1	988	A-1	GRA

LABEL	WIRE NO	CAVITY	COLOR
POWER HARNESS-JUMPER	440	A	RED
BATTERY GROUND	953	B	BLK/WHT



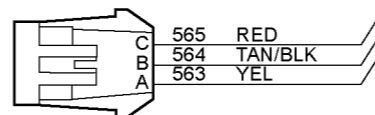
30 WAY CONNECTOR
DDC P/N: 12034398
TERMINAL
DDC P/N: 12103881
PLUG
DDC P/N: 12034413



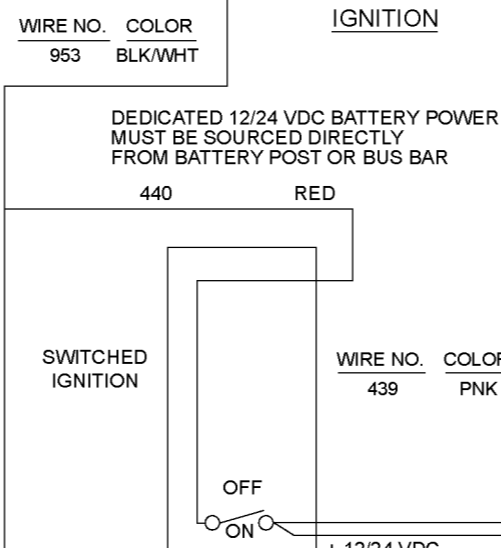
CONNECTOR
DDC P/N 12015378
TERMINAL
DDC P/N 12089188

NOTE:
FUSE MUST BE PLACED BETWEEN
MATING CONNECTOR AND BATTERY

TO ENGINE SENSOR
HARNESS PIGTAIL



CONNECTOR DDC P/N: 12129615
TERMINAL DDC P/N: 12045773
CABLE SEAL DDC P/N: 12052924
SECONDARY LOCK DDC P/N: 12052845



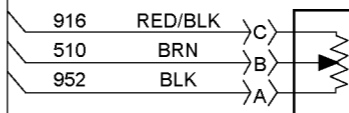
MUST PROVIDE IGNITION POWER
IN RUN AND CRANK MODES.

DO NOT SOURCE ANY
ACCESSORY FROM CIRCUIT 439

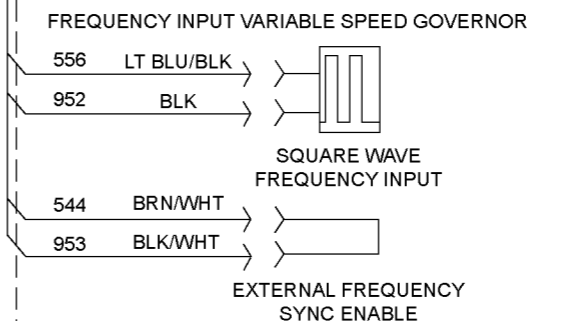
GOVERNOR



LIMITING SPEED GOVERNOR
(THROTTLE POSITION SENSOR)



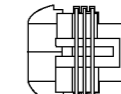
VARIABLE SPEED GOVERNOR
(POWER TAKE-OFF CONTROL)



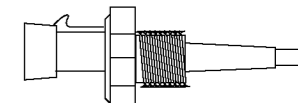
EXTERNAL FREQUENCY
SYNC ENABLE

COOLANT LEVEL SENSOR

WIRE NO.	CAVITY	COLOR
115	A	ORN
953	B	BLK/WHT



280 SERIES
METRI-PACK
CONNECTOR
DDC P/N: 15300027

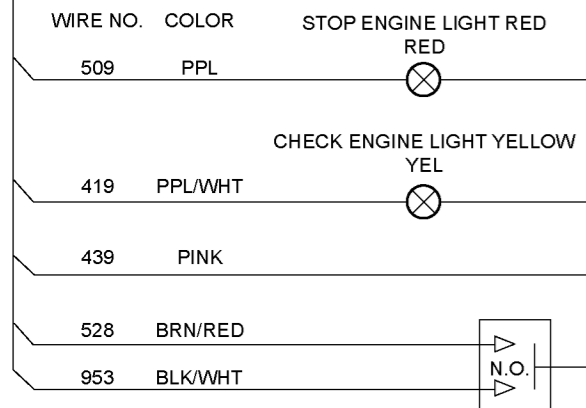


COOLANT LEVEL PROBE
3/8 in. NPT
DDC P/N: 23512881
1/4 in. NPT
DDC P/N: 23512880
9/16 in. UNF
DDC P/N: 23522855

IGNITION CONNECTOR

LABEL	WIRE NO	CAVITY	COLOR
POWER HARNESS-JUMPER	440	A	RED
BATTERY GROUND	953	B	BLK/WHT

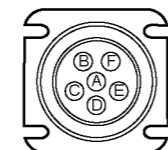
INSTRUMENT PANEL



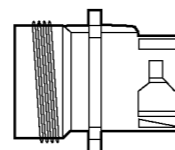
STOP ENGINE
OVERRIDE SWITCH
(ENGINE RUNNING)
DIAGNOSTIC
REQUEST (ENGINE
OFF/IGNITION ON)
(MOMENTARY)

DIAGNOSTIC CONNECTOR

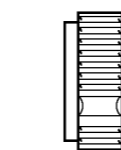
WIRE NO.	CAVITY	COLOR	LABEL
900	A	DK GRN/YEL	DATA LINK (+)
901	B	DK GRN	DATA LINK (-)
439	C	PINK	+ 12/24 VDC
---	D	CAVITY PLUG P/N: 23507136	BATTERY GROUND
953	E	BLK/WHT	
---	F	CAVITY PLUG P/N: 23507136	



TERMINAL
DDC P/N: 23513053

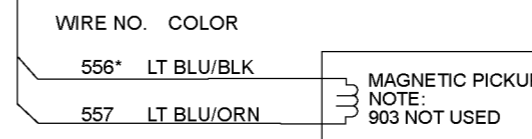


CONNECTOR AND
SEAL ASSEMBLY
DDC P/N: 23513052



PROTECTIVE CAP
DDC P/N: 23513054

VEHICLE SPEED SENSOR



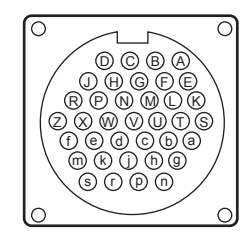
* VEHICLE SPEED SENSOR IS NOT USED WITH THE
FREQUENCY INPUT VSG. IF BOTH VSS AND THE
FREQUENCY INPUT VSG ABILITIES ARE REQUIRED
A DIFFERENT 6N4C DDEC CALIBRATION IS
REQUIRED AND WIRE 556 ON THE FREQUENCY
INPUT VSG IS SUBSTITUTED WITH WIRE 573
(AUXILIARY TIMED INPUT).

WIRE NO.	COLOR	NAME
451	LT GRN	DIGITAL INPUT E-1
542	YEL	DIGITAL INPUT F-1
545	LT BLU/YEL	DIGITAL INPUT G-3
523	GRA/RED	DIGITAL INPUT H-1
524	GRA	DIGITAL INPUT H-2
541	YEL/RED	DIGITAL INPUT J-1
531	ORN	DIGITAL INPUT J-2
583	LT BLU/BLK	DIGITAL INPUT K-2
979	WHT	DIGITAL INPUT K-3
543	ORN/BLK	DIGITAL INPUT G-2
988	GRA	DIGITAL OUTPUT A-1
555	TAN	DIGITAL OUTPUT A-2
499	LT BLU	DIGITAL OUTPUT F-3
563	YEL	DIGITAL OUTPUT W-3
564	TAN/BLK	DIGITAL OUTPUT X-3
565	RED	DIGITAL OUTPUT Y-3
908	WHT	PWM #1 OUTPUT
505	GRA	TACHOMETER DRIVE
916	RED/BLK	
749	YEL	ANALOG INPUT
952	BLK	

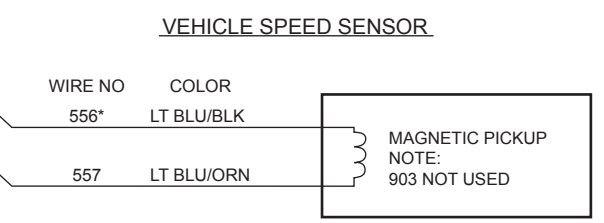
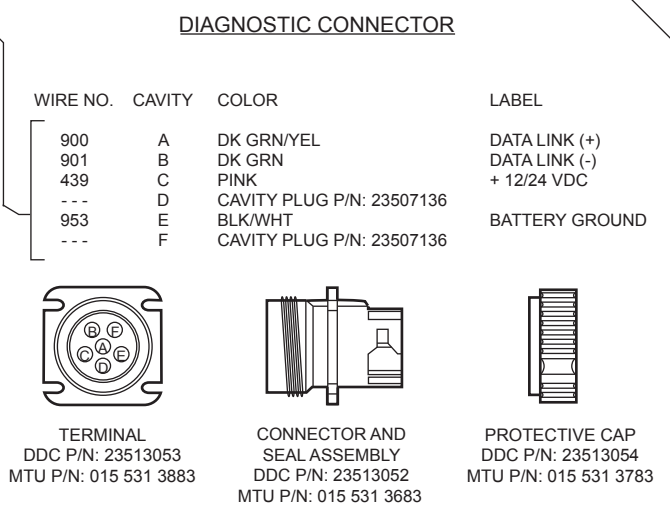
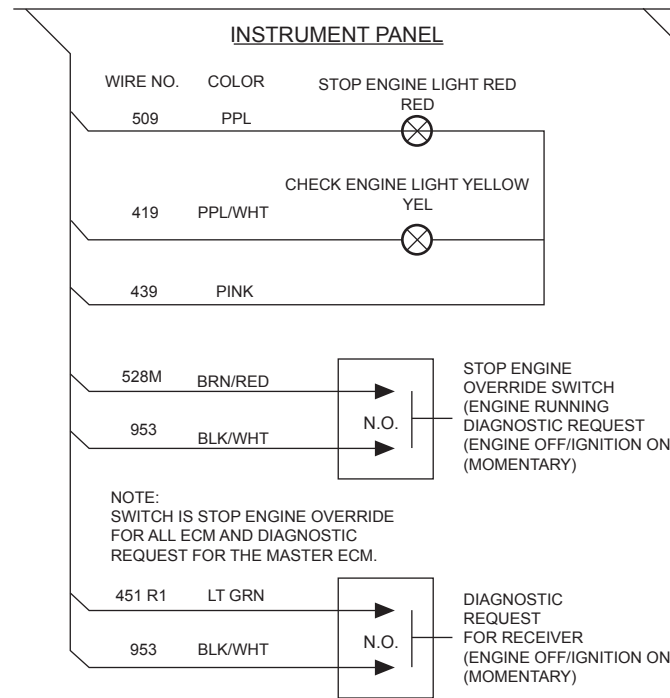
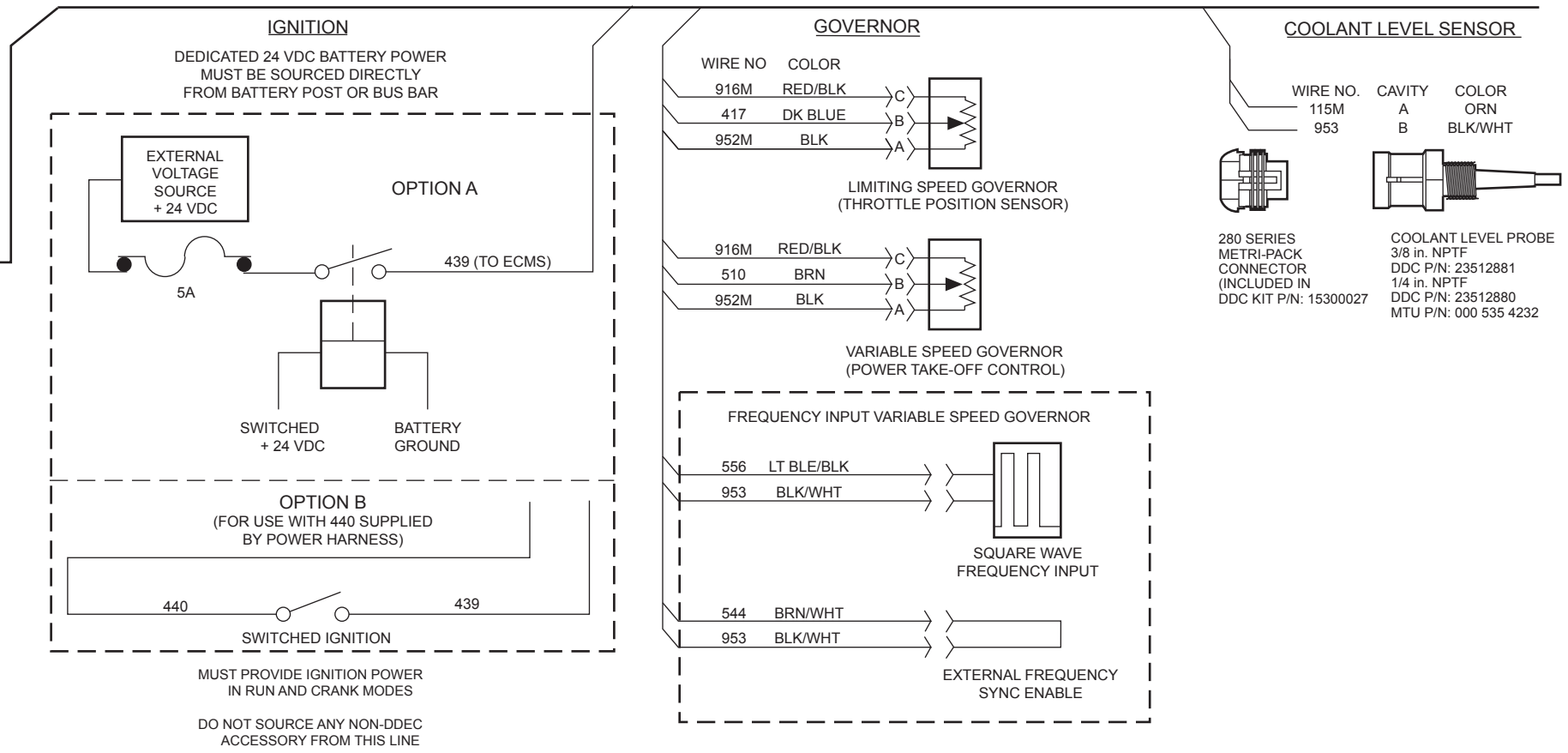
VEHICLE INTERFACE HARNESS
SERIES 2000

BDC for Manuals - specs - Bolt torques
DDEC III/IV INTERFACE HARNESS CONNECTOR
SERIES 4000

LABEL	WIRE NO	CAVITY	COLOR
COOLANT LEVEL	115M	c	ORN
LIMITING SPEED GOVERNOR	417	N	DK BLUE
CHECK ENGINE LIGHT	419	p	PPL/WHT
IGNITION	439	A	PNK
POWER HARNESS - JUMPER	440		RED
DIGITAL INPUT E-1	451M	g	LT GRN
DIGITAL INPUT E-1 - R1	451R	a	LT GRN
DIGITAL OUTPUT F-3	499M	r	LT BLU
TACHOMETER DRIVE - MASTER	505M	E	GRA
STOP ENGINE LIGHT	509	n	PPL
VARIABLE SPEED GOVERNOR	510	V	BRN
DIGITAL INPUT H-1	523M	b	GRA/RED
DIGITAL INPUT H-2	524	T	GRA
DIAGNOSTIC REQUEST / SEO-M	528	j	BRN/RED
DIGITAL INPUT J-2	531M	F	ORN
DIGITAL INPUT J-1	541M	L	YEL/RED
DIGITAL INPUT F-1	542M	e	YEL
DIGITAL INPUT G-2	543M	S	ORN/BLK
DIGITAL INPUT F-2	544	k	BRN/WHT
DIGITAL INPUT G-3	545M	h	LT BLUE/YEL
DIGITAL OUTPUT A-2	555M	Z	TAN
VEHICLE SPEED (+)	556	M	LT BLUE/BLK
VEHICLE SPEED (-)	557	D	LT BLUE/ORN
DIGITAL OUTPUT W-3	563M	f	YEL
DIGITAL OUTPUT X-3	564M	m	TAN/BLK
DIGITAL OUTPUT Y-3	565M	s	RED
AUXILIARY TIMED INPUT	573	X	BRN
DIGITAL INPUT K-2	583	B	LT BLUE/BLK
ANALOG INPUT	749M	d	YEL
DATA LINK (+)	900	H	DK GREEN/YEL
DATA LINK (-)	901	P	DK GREEN
PWM #1 OUTPUT	908M	K	WHT
SENSOR SUPPLY (5VDC)	916M	U	RED/BLK
SENSOR RETURN	952M	W	BLK
BATTERY GROUND	953	G	BLK/WHT
DIGITAL INPUT K-3	979	C	WHT
DIGITAL OUTPUT A-1	988M	R	GRA



CONNECTOR KIT INCLUDES
 TERMINALS AND SEALS
 DDC P/N: 23515462
 CAVITY PLUG (NOT INCLUDED IN KIT)
 CANNON P/N: 2351650
 MTU CONNECTOR P/N: 075 531 4183
 MTU CABLE SEAL: P/N 000 531 6282

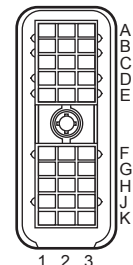


* Vehicle Speed Sensor is not used with the frequency input VSG. If both VSS and the frequency input VSG abilities are required a different 6N4C DDEC calibration is required and wire 556 could then be used for VSS and wire 573 (auxiliary timed input) would be used for frequency input VSG.

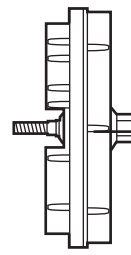
WIRE NO	COLOR	NAME	DEFAULT ASSIGNMENT
451M	LT GRN	DIGITAL INPUT E-1	
542M	YEL	DIGITAL INPUT F-1	ALT. MIN. VSG SPEED (LATCHING SWITCH)
545M	LT BLU/YEL	DIGITAL INPUT F-3	
523M	GRA/RED	DIGITAL INPUT G-3	
524M	GRA	DIGITAL INPUT H-1	TORQUE LIMIT ENABLE (25PD GOV. LATCHING)
541M	YEL/RED	DIGITAL INPUT H-2	EXTERNAL STOP ENGINE #1
531M	ORN	DIGITAL INPUT J-1	MANUAL FAN LOCK-UP
583	LT BLU/BLK	DIGITAL INPUT J-2	PARKING BRAKE (IDLE SHUTDOWN TIMER)
979	WHT	DIGITAL INPUT K-2	RATING SWITCH #1
988M	GRA	DIGITAL INPUT K-3	RATING SWITCH #2
555M	TAN	DIGITAL OUTPUT A-1	
499M	LT BLU	DIGITAL OUTPUT A-2	
563M	YEL	DIGITAL OUTPUT F-3	
564M	TAN/BLK	DIGITAL OUTPUT W-3	
565M	RED	DIGITAL OUTPUT X-3	
908M	WHT	DIGITAL OUTPUT Y-3	
505M	GRA	PWM #1 OUTPUT	
916M	RED/BLK	TACHOMETER DRIVE	12 PULSE/REV
749M	YEL	ANALOG INPUT	
952M	BLK	ANALOG INPUT	
573	BRN	ANALOG INPUT	
953	BLK/WHT	ANALOG INPUT	
543M	ORN/BLK	DIGITAL INPUT G-2	

VEHICLE INTERFACE HARNESS SCHEMATIC
SERIES 4000-16V

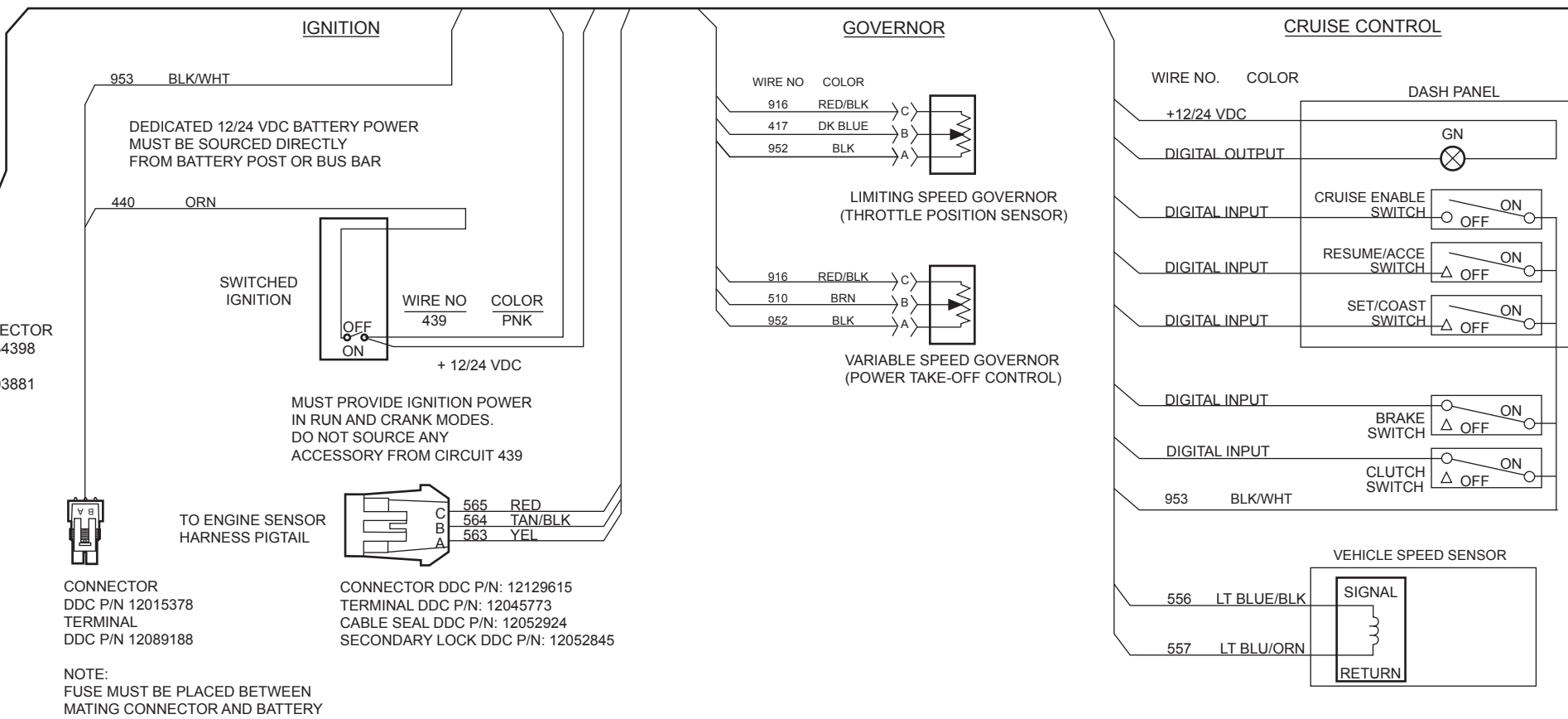
LABEL	WIRE NO	CAVITY	COLOR
COOLANT LEVEL	115	H-3	ORN
LIMITING SPEED GOVERNOR	417	D-2	DK BLUE
CHECK ENGINE LIGHT	419	B-1	PPL/WHT
IGNITION	439	B-3	PNK
DIGITAL INPUT E-1	451	E-1	LT GRN
DIGITAL OUTPUT F-3	499	F-3	LT BLU
TACHOMETER DRIVE	505	K-1	GRA
STOP ENGINE LIGHT	509	B-2	PPL
VARIABLE SPEED GOVERNOR	510	D-1	BRN
DIGITAL INPUT H-1	523	H-1	GRA/RED
DIGITAL INPUT H-2	524	H-2	GRA
DIGITAL INPUT G-1	528	G-1	BRN/RED
DIGITAL INPUT J-2	531	J-2	ORN
DIGITAL INPUT J-1	541	J-1	YEL/RED
DIGITAL INPUT F-1	542	F-1	YEL
DIGITAL INPUT G-2	543	G-2	ORN/BLK
DIGITAL INPUT F-2	544	F-2	BRN/WHT
DIGITAL INPUT G-3	545	G-3	LT BLUE/YEL
DIGITAL OUTPUT A-2	555	A-2	TAN
VEHICLE SPEED (+)	556	E-2	LT BLUE/BLK
VEHICLE SPEED (-)	557	E-3	LT BLUE/ORN
DIGITAL INPUT K-2	583	K-2	LT BLUE/BLK
ANALOG INPUT #7	749	D-3	YEL
DATA LINK (+)	900	C-2	DK GREEN/YEL
DATA LINK (-)	901	C-1	DK GREEN
PWM #1 OUTPUT	908	J-3	WHT
SENSOR SUPPLY (5VDC)	916	A-3	RED/BLK
SENSOR RETURN	952	C-3	BLK
DIGITAL INPUT K-3	979	K-3	WHT
DIGITAL OUTPUT A-1	988	A-1	GRA



ALL UNUSED CAVITIES REQUIRE PLUGS (DDC P/N: 12034413)



30 WAY CONNECTOR DDC P/N: 12034398
 TERMINAL DDC P/N: 12103881

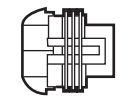


IGNITION CONNECTOR

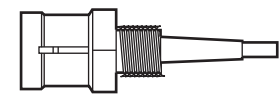
WIRE NO	CAVITY	COLOR
440	A	ORN
953	B	BLK/WHT

COOLANT LEVEL SENSOR

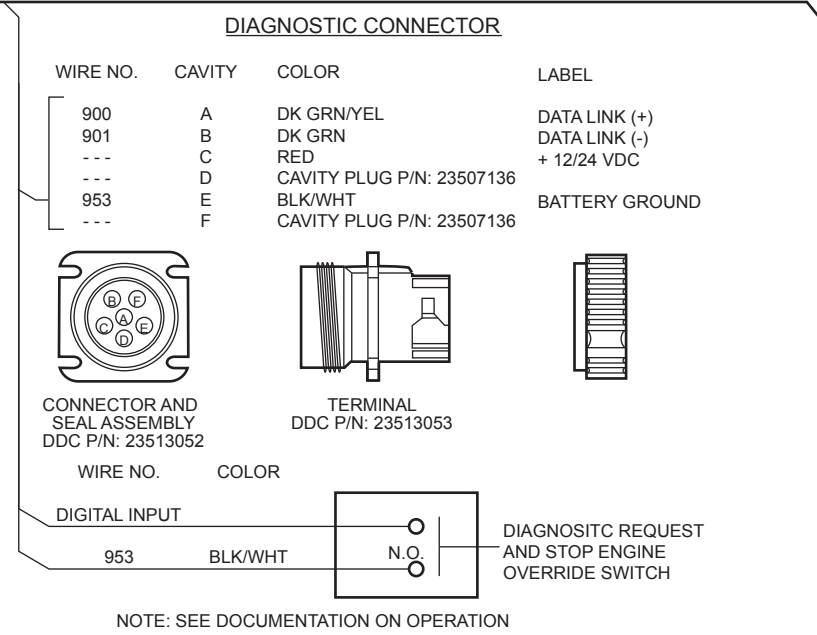
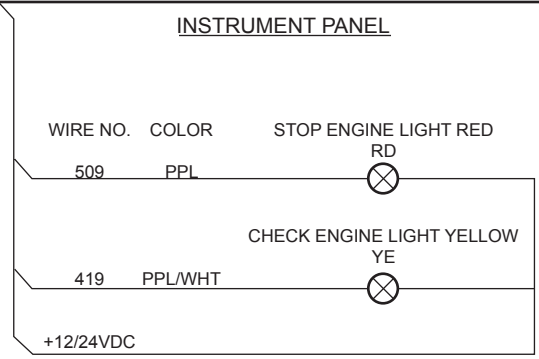
WIRE NO.	CAVITY	COLOR
115	A	ORN
953	B	BLK/WHT



280 SERIES METRI-PACK CONNECTOR DDC P/N: 15300027



COOLANT LEVEL PROBE
 3/8 in. NPTF DDC P/N: 23520381
 1/4 in. NPTF DDC P/N: 23520380
 9/16 in. NPTF DDC P/N: 23522855



MISCELLANEOUS

WIRE NO.	COLOR	Label
908	WHT	PWM #1
505	GRA	TACHOMETER DRIVE
563	YEL	DIGITAL OUTPUT W-3
564	TAN/BLK	DIGITAL OUTPUT X-3
565	RED	DIGITAL OUTPUT Y-3

DDEC IV VEHICLE INTERFACE HARNESS

DDEC IV INTERFACE HARNESS CONNECTOR SERIES 2000

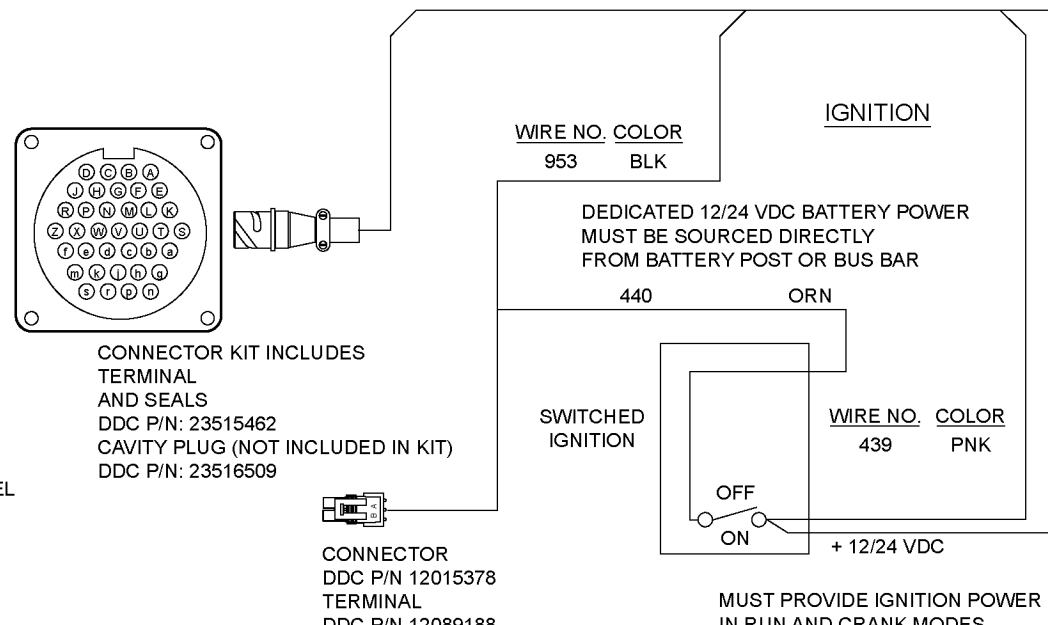
BDC for Manuals - specs - Bolt torques

<https://barringtondiesel.com/>

LABEL	WIRE NO.	CAVITY	COLOR
COOLANT LEVEL	115M	c	ORN
LIMITING SPEED GOVERNOR	417	N	DK BLUE
CHECK ENGINE LIGHT	419	p	PPL/WHT
IGNITION	439	A	PNK
DIGITAL INPUT E-1	451M	g	LT GRN
DIAGNOSTIC REQUEST-R	451R	a	LT GRN
DIGITAL OUTPUT F-3	499M	r	LT GRN
TACHOMETER DRIVE-MASTER	505M	E	GRA
STOP ENGINE LIGHT	509	n	PPL
VARIABLE SPEED GOVERNOR	510	V	BRN
DIGITAL INPUT H-1	523M	b	GRA/RED
DIGITAL INPUT H-2	524	T	GRA
DIAGNOSTIC REQUEST/SEO-M	528	j	BRN/RED
DIGITAL INPUT J-2	531M	F	ORN
DIGITAL INPUT J-1	541M	L	YEL/RED
DIGITAL INPUT F-1	542M	E	YEL
DIGITAL INPUT F-2	544	k	BRN/WHT
DIGITAL INPUT G-3	545M	h	LT BLUE/YEL
DIGITAL OUTPUT A-2	555M	Z	TAN
VEHICLE SPEED (+)	556	M	LT BLUE/BLK
VEHICLE SPEED (-)	557	D	LT BLUE/ORN
DIGITAL OUTPUT W-3	563M	f	TAN
DIGITAL OUTPUT X-3	564M	m	YEL
DIGITAL OUTPUT Y-3	565M	s	PNK
DIGITAL INPUT K-2	583	B	LT BLU/BLK
ANALOG INPUT	749M	d	YEL
DATA LINK (+)	900	H	DK GREEN/YEL
DATA LINK (-)	901	P	DK GREEN
PWM #1 OUTPUT	908M	K	WHT
SENSOR SUPPLY (5VDC)	916M	U	RED/BLK
SENSOR RETURN	952M	W	BLK
DIGITAL INPUT K-3	979	C	WHT
DIGITAL OUTPUT A-1	988M	R	GRA

IGNITION CONNECTOR

LABEL	WIRE NO.	CAVITY	COLOR
POWER HARNESS-JUMPER	440	A	ORN
BATTERY GROUND	953	B	BLK/WHT

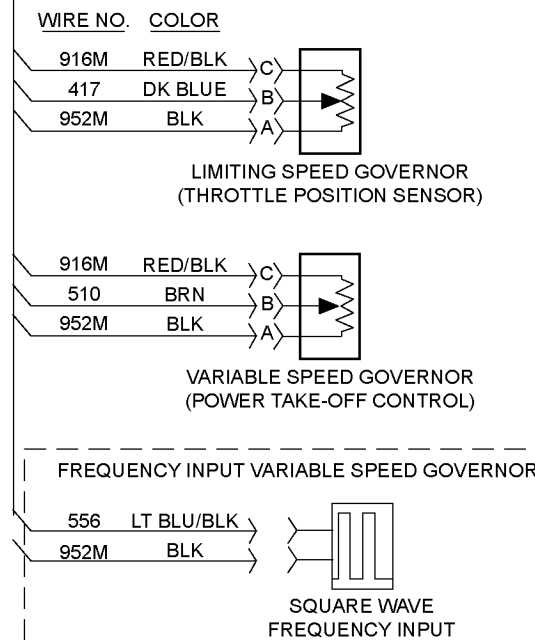


CONNECTOR KIT INCLUDES
TERMINAL
AND SEALS
DDC P/N: 23515462
CAVITY PLUG (NOT INCLUDED IN KIT)
DDC P/N: 23516509

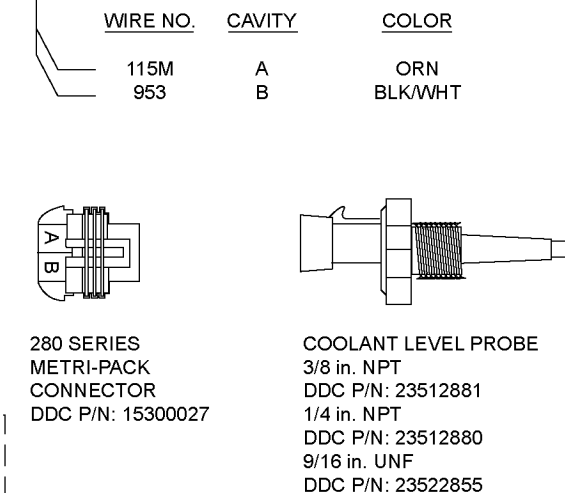
CONNECTOR
DDC P/N 12015378
TERMINAL
DDC P/N 12089188

NOTE:
FUSE MUST BE PLACED BETWEEN
MATING CONNECTOR AND BATTERY

GOVERNOR



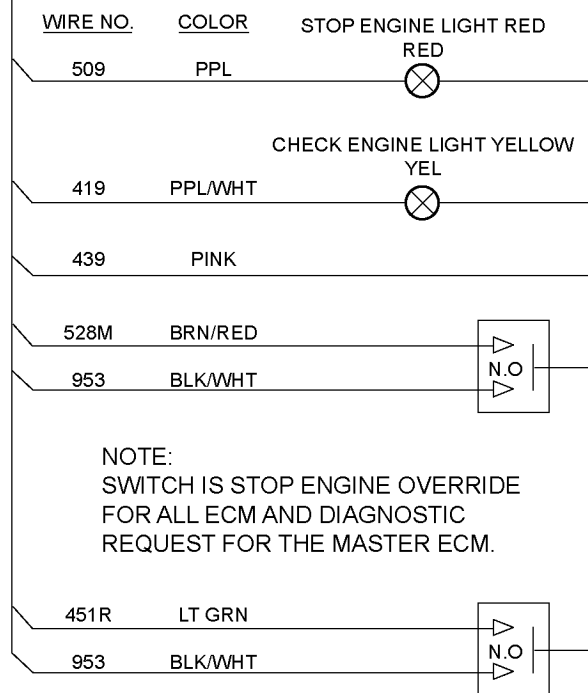
COOLANT LEVEL SENSOR



280 SERIES
METRI-PACK
CONNECTOR
DDC P/N: 15300027

COOLANT LEVEL PROBE
3/8 in. NPT
DDC P/N: 23512881
1/4 in. NPT
DDC P/N: 23512880
9/16 in. UNF
DDC P/N: 23522855

INSTRUMENT PANEL



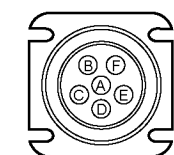
NOTE:
SWITCH IS STOP ENGINE OVERRIDE
FOR ALL ECM AND DIAGNOSTIC
REQUEST FOR THE MASTER ECM.

STOP ENGINE
OVERRIDE SWITCH
(ENGINE RUNNING)
DIAGNOSTIC
REQUEST (ENGINE
OFF/IGNITION ON)
(MOMENTARY)

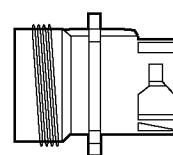
DIAGNOSTIC
REQUEST
FOR RECEIVER
(ENGINE
OFF/ IGNITION ON)
(MOMENTARY)

DIAGNOSTIC CONNECTOR

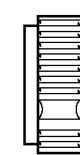
WIRE NO.	CAVITY	COLOR	LABEL
900	A	DK GRN/YEL	DATA LINK (+)
901	B	DK GRN	DATA LINK (-)
439	C	PINK	+ 12/24 VDC
---	D	CAVITY PLUG P/N: 23507136	BATTERY GROUND
953	E	BLK/WHT	
---	F	CAVITY PLUG P/N: 23507136	



TERMINAL
DDC P/N: 23513053

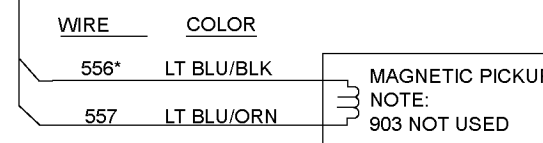


CONNECTOR AND
SEAL ASSEMBLY
DDC P/N: 23513052



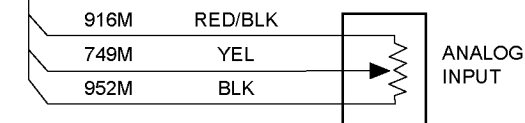
PROTECTIVE CAP
DDC P/N: 23513054

VEHICLE SPEED SENSOR



* VEHICLE SPEED SENSOR IS NOT USED WITH
THE FREQUENCY INPUT VSG. IF BOTH VSS
AND THE FREQUENCY INPUT VSG ABILITIES
ARE REQUIRED A DIFFERENT 6N4C DDEC
CALIBRATION IS REQUIRED AND WIRE 556
ON THE FREQUENCY INPUT VSG IS
SUBSTITUTED WITH WIRE 573 (AUXILIARY
TIMED INPUT).

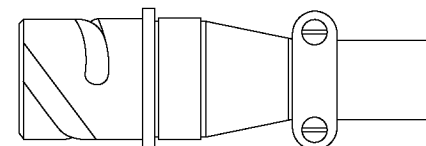
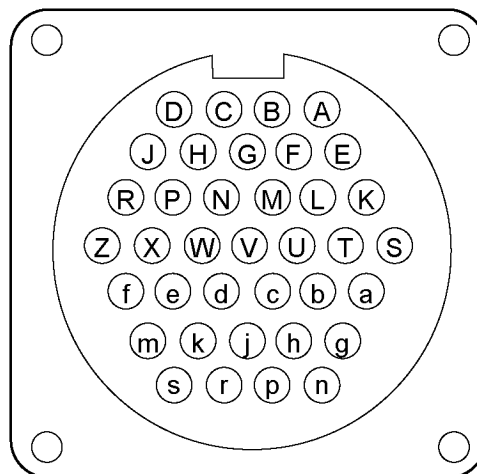
WIRE	COLOR	NAME
451M	LT GRN	DIGITAL INPUT E-1
542M	YEL	DIGITAL INPUT F-1
545M	LT BLU/YEL	DIGITAL INPUT G-3
523M	GRA/RED	DIGITAL INPUT H-1
524M	GRA	DIGITAL INPUT H-2
541M	YEL/RED	DIGITAL INPUT J-1
531M	ORN	DIGITAL INPUT J-2
583	LT BLU/BLK	DIGITAL INPUT K-2
979	WHT	DIGITAL INPUT K-3
988M	GRA	DIGITAL OUTPUT A-1
555M	TAN	DIGITAL OUTPUT A-2
499M	LT GRN	DIGITAL OUTPUT F-3
563M	TAN	DIGITAL OUTPUT W-3
564M	YEL	DIGITAL OUTPUT X-3
565M	PNK	DIGITAL OUTPUT Y-3
908M	WHT	PWM #1 OUTPUT
505M	GRA	TACHOMETER DRIVE



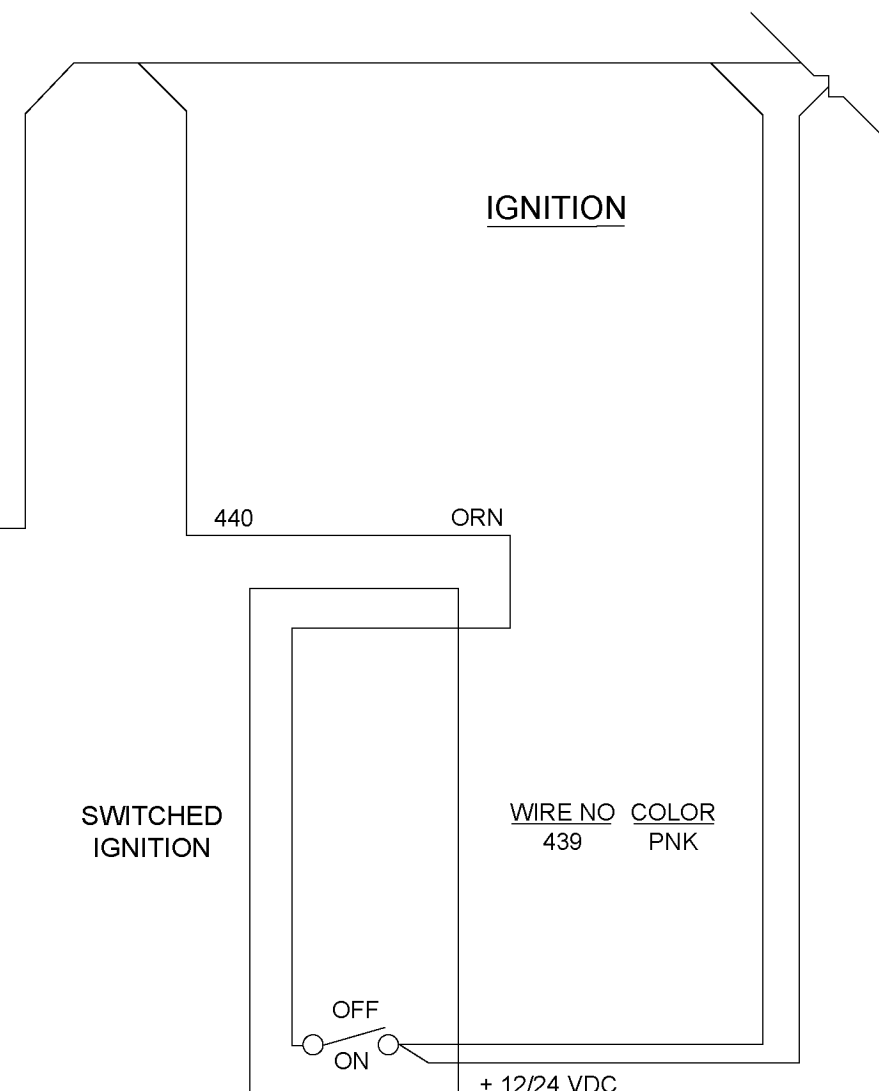
**SEE SHEET 2 IF OPTIONAL 12H00
GROUPS ARE SPECIFIED**

DDEC IV INTERFACE HARNESS CONNECTOR SERIES 2000
 USED WITH OPTIONAL 12H00 GROUPS

LABEL	WIRE NO	CAVITY	COLOR
COOLANT LEVEL	115M	c	ORN
LIMITING SPEED GOVERNOR	417	N	DK BLUE
CHECK ENGINE LIGHT	419	p	PPL/WHT
IGNITION	439	A	PNK
DIGITAL INPUT E-1	451M	g	LT GRN
DIAGNOSTIC REQUEST-R	451R	a	LT GRN
DIGITAL OUTPUT F-3	499M	r	LT GRN
TACHOMETER DRIVE-MASTER	505M	E	GRA
STOP ENGINE LIGHT	509	n	PPL
VARIABLE SPEED GOVERNOR	510	V	BRN
DIGITAL INPUT H-1	523M	b	GRA/RED
DIGITAL INPUT H-2	524	T	GRA
DIAGNOSTIC REQUEST/SEO-M	528	j	BRN/RED
DIGITAL INPUT J-2	531M	F	ORN
DIGITAL INPUT J-1	541M	L	YEL/RED
DIGITAL INPUT F-1	542M	e	YEL
DIGITAL INPUT F-2	544	k	BRN/WHT
DIGITAL INPUT G-3	545M	h	LT BLUE/YEL
DIGITAL OUTPUT A-2	555M	Z	TAN
VEHICLE SPEED (+)	556	M	LT BLUE/BLK
VEHICLE SPEED (-)	557	D	LT BLUE/ORN
DIGITAL OUTPUT W-3	563M	f	TAN
DIGITAL OUTPUT X-3	564M	m	YEL
DIGITAL OUTPUT Y-3	565M	s	PNK
DIGITAL INPUT K-2	583	B	LT BLU/BLK
ANALOG INPUT	749M	d	YEL
DATA LINK (+)	900	H	DK GREEN/YEL
DATA LINK (-)	901	P	DK GREEN
PWM #1 OUTPUT	908M	K	WHT
SENSOR SUPPLY (5VDC)	916M	U	RED/BLK
SENSOR RETURN	952M	W	BLK
DIGITAL INPUT K-3	979	C	WHT
DIGITAL OUTPUT A-1	988M	R	GRA
POWER HARNESS-JUMPER	440	J	ORN
BATTERY GROUND	953	G	BLK



CONNECTOR KIT INCLUDES
 TERMINAL AND SEALS
 DDC P/N: 23515462
 CAVITY PLUG (NOT INCLUDED IN KIT)
 CANNON P/N: 23516509



MUST PROVIDE IGNITION POWER
 IN RUN AND CRANK MODES.

DO NOT SOURCE ANY
 ACCESSORY FROM CIRCUIT 439

REQUIRED WIRING IF OPTIONAL
 12H00 GROUPS ARE SPECIFIED

GROUP NO. REF:
 35-00-2206, 35-00-2501,
 35-00-2483, 35-00-2471, 35-00-2490

SERIES 2000
 VEHICLE INTERFACE HARNESS

SK-11599
 SHT 2 of 2
 38279

