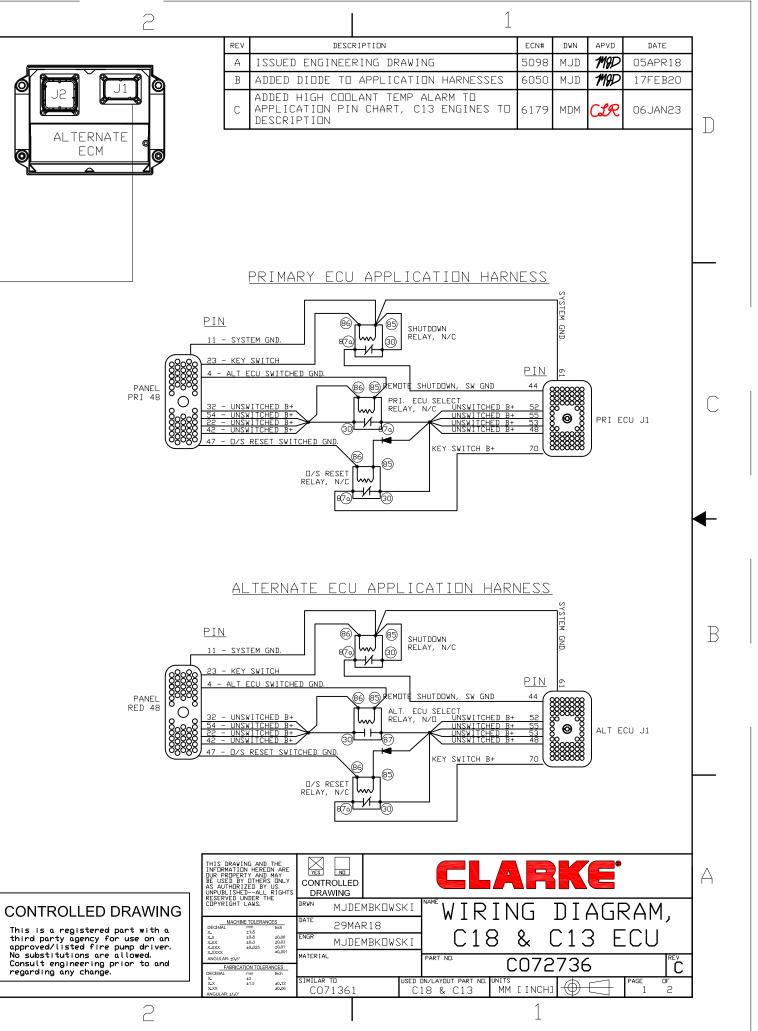


PIN 11 - SYSTEM GND 23 - KEY SWITCH 68888 - ALT ECU SWITCHED GN Ó - UNSWITCHED B+ JNSWIT - UNSWITCHED B+ - UNSWITCHED B+



G	INFORMATI DUR PROPE BE USED B AS AUTHOR UNPUBLISH RESERVED	THIS DRAWING AND THE INFORMATION HEREON ARE DUR PROPERTY AND MAY BE USED BY DTHERS DNLY AS AUTHORIZED BY UG UNPUBLISHEDALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.			ROLLE AWING MJ]
	MACH DECIMAL X. X.X X.XX X.XX X.XXX X.XXX X.XXXX ANGULAR: ±0.5°	INE TOLERAN mm ±1.5 ±0.8 ±0.3 ±0.025	1006 ±0.06 ±0.03 ±0.01 ±0.001	DATE ENGR MATERIA	29N MJI
	EABRIC DECIMAL X X X X X ANGULAR: ±1.0*	MM ±3 ±1.5	RANCES Inch ±0.12 ±0.06	similar CO	то 7136

MESB	APPLICATION	CONNECTORS	ΤD	PRIMARY	&	ALTERNATE	ECU	J1
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SWITCHBOARD		CATECM
CONNECTION (MESB		CONNECTION - J1
BOTTOM LEFT AND		(PRIMARY &
BOTTOM RIGHT)	DESCRIPTION	ALTERNATE)
1	SAE J1939 Low	34
5	CAN Shield	42
8	High Coolant Temperature Alarm	19
10	Low Coolant Temperature Test Switch Input	18
13	SAE J1939 High	50
16	Bump Enable	56
17	Switch In 3 - Overspeed Verify Enable Input	54
18	Source Drv 3 - Low Oil Pressure Alarm	11
20	Switch In 2 - Full Throttle - Grounded	69
26	Bump Up	58
27	Bump Down	60
28	Source Drv 2 - Overspeed Alarm	20
31	System Ground	63
34	ECM Heartbeat	21
36	CAT Data Link +	8
37	CAT Data Link +	9
38	1000 rpm (Source Driver 1)	13
46	Intermediate speed	45
50	Warning Lamp	10
51	Low Coolant Temperature Alarm	12
53	System Ground	65

NDTE: SEE PAGE 2 FOR ECU J2 CONNECTIONS

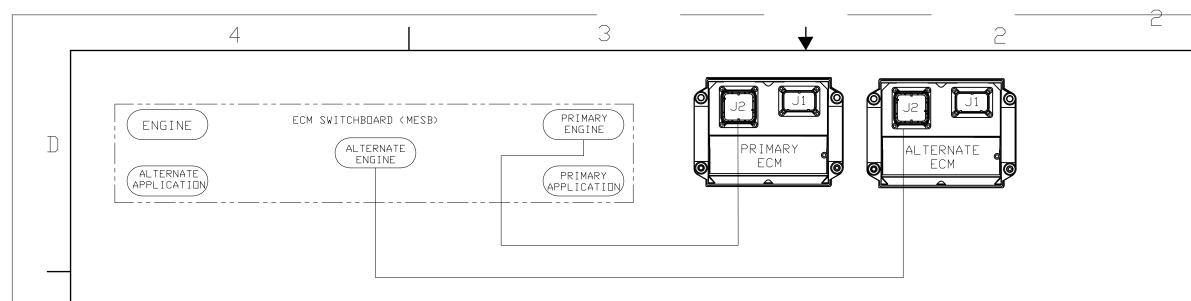
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MESB ENGINE CONNECTORS TO 31 PIN ADAPTER TO PRIMARY & ALTERNATE ECU J2

		1			
	31 PIN DEUTSCH	SWITCHBOARD CONNECTION	CAT C18 ECM CONNECTION -	CAT WIRE	CAT WIRE
DESCRIPTION	INTERCONNECT	(MESB MIDDLE AND TOP LEFT)	J2 PRIMARY & ALTERNATE	COLOR	NUMBER
Crank Speed	8	3	35	WHITE	E964
Coolant Temperature	1	4	13	BLUE	995
Fuel Temperature	15	5	62	YELLOW	F421
Injector Low 5 (cyl 4)	22	7	108	BLUE	T960
Injector Low 4 (cyl 2)	25	8	118	YELLOW	T958
Injector Low 2 (cyl 3)	20	9	106	BROWN	T959
Injector Low 1 (cyl 5)	21	10	107	GREEN	T961
Sensor Return 2	3	13	17	GREEN	G829
Cam Speed	11	14	46	YELLOW	E966
Intake Manifold Temperature	13	15	56	BLUE	C967
Oil Pressure	6	17	28	GRAY	994
Injector Low 3 (cyl 6)	19	18	105	WHITE	T962
Inject High 3,4	23	21	115	WHITE	T859
DeltaTemp Return	7	27	30	PINK	G833
TDC Service Probe (-)	9	28	36	YELLOW	G857
Injector Low 0 (cyl 1)	24	31	116	PURPLE	T957
Excitation Voltage 2	16	33	72	WHITE	G828
Crank Speed Return	4	35	25	BLACK	E963
Manifold Air Pressure	2	37	15	PINK	R746
Fuel Pressure	10	38	40	PINK	C991
Cam Speed Return	12	43	47	BLUE	E965
TDC Service Probe (+)	5	50	26	WHITE	G856
Atmospheric Pressure Sensor	14	52	57	GRAY	R747
Inject High 5, 6	17	53	99	ORANGE	T860
Inject High 1, 2	18	54	104	GRAY	T858

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This is a registered part with a third party agency for use on an approved/listed fire pump driver. No substitutions are allowed.	MACHI X.X X.X X.XX X.XX X.XXX X.XXXX X.XXXX	ME TOLERAN mm ±1.5 ±0.8 ±0.3 ±0.025	DES Inch ±0.06 ±0.03 ±0.01 ±0.01	DATE ENGR	29M MJD
No substitutions are allowed. Consult engineering prior to and regarding any change.	ANGULAR: ±0.5° FABRICA DECIMAL X. X.X X.X	110N TOLER mm ±3 ±1.5	ANCES Inch ±0.12 ±0.06	MATERIAL	то
2	ANGULAR: ±1.0'		20:06	CO7	7136:

NOTE: SEE PAGE 1 FOR ECU J1 CONNECTIONS

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