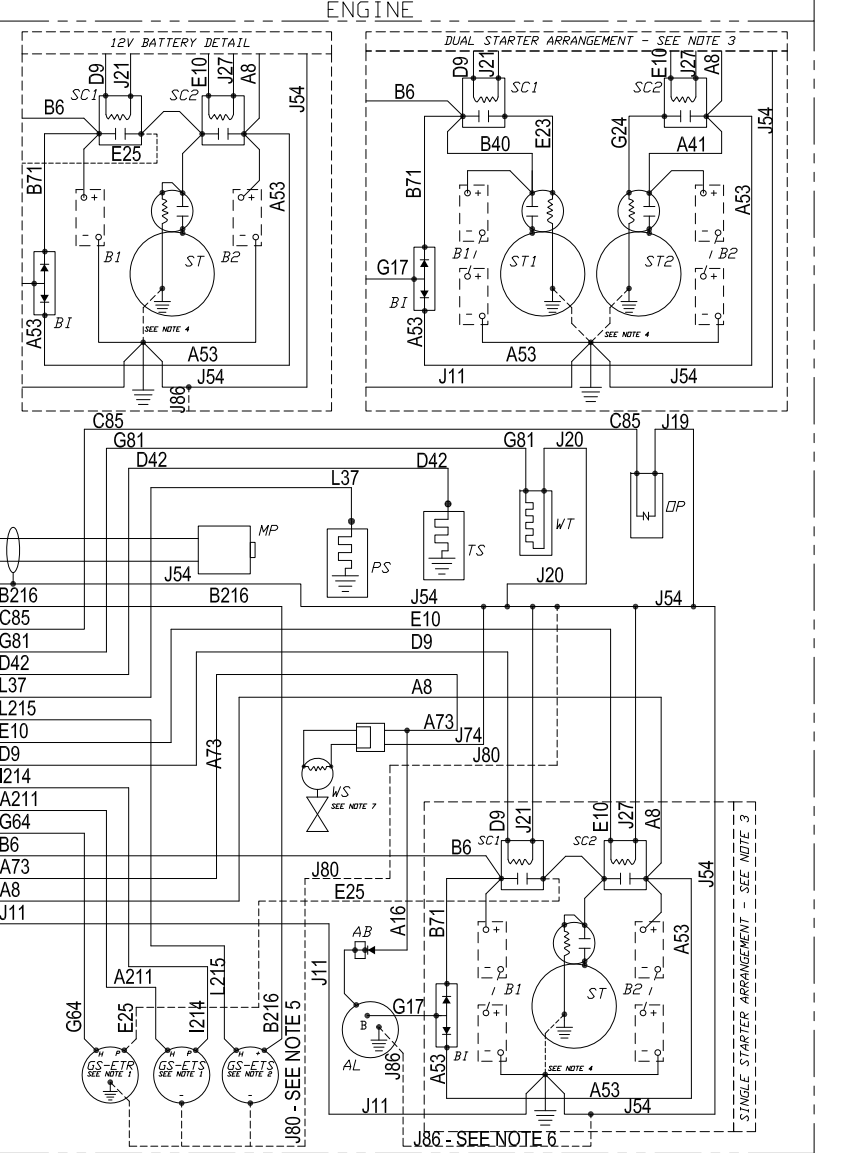
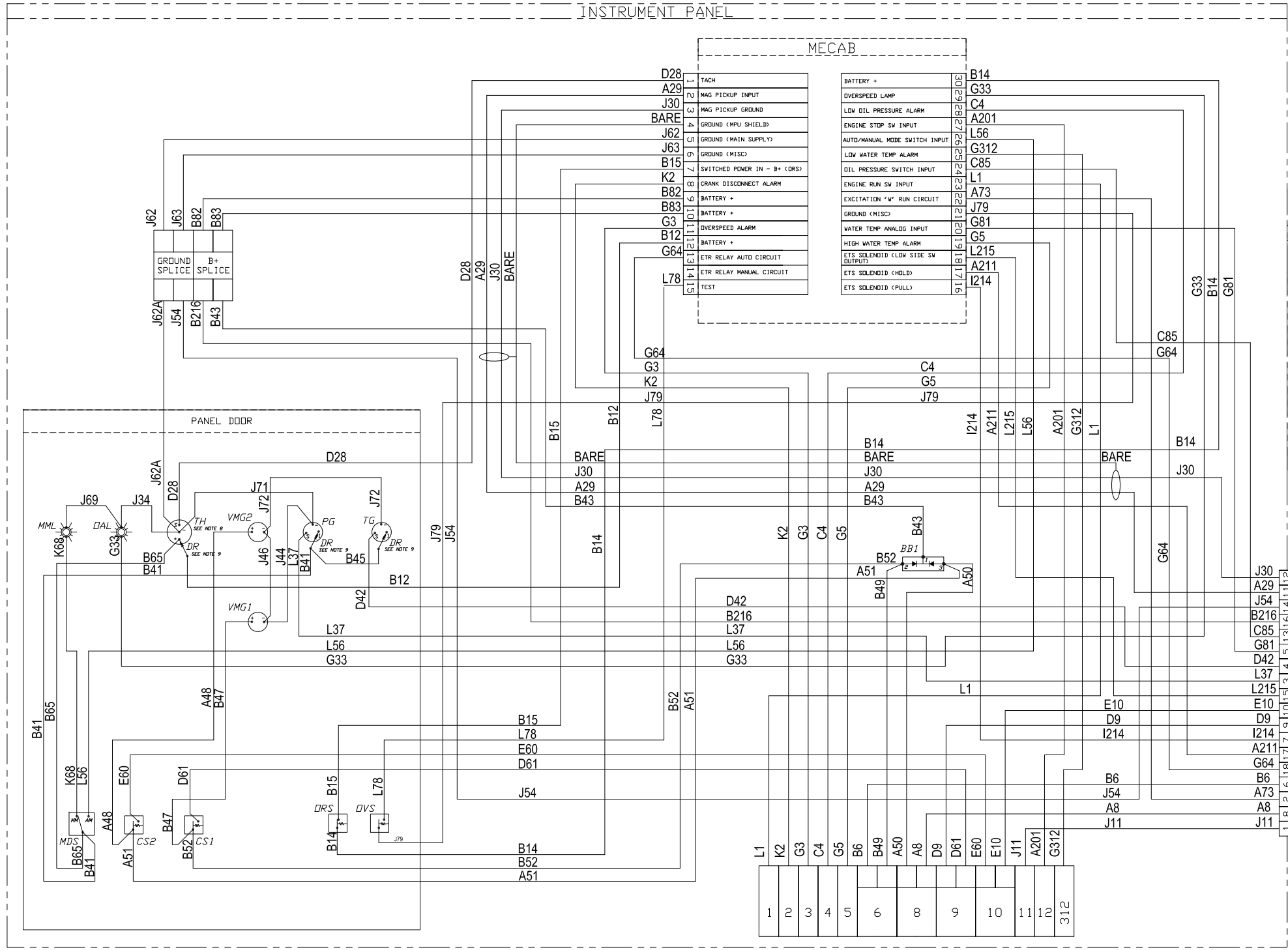
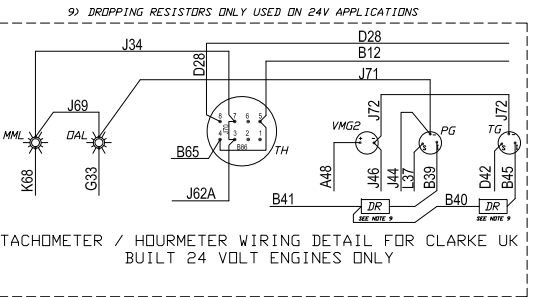
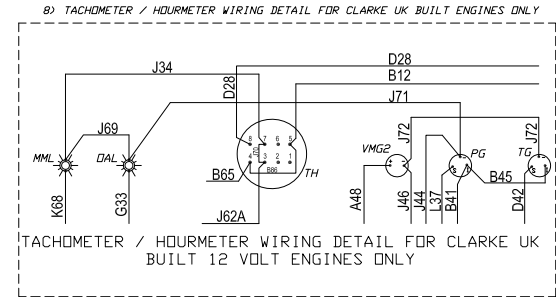


REV	DESCRIPTION	ECN#	DWN	APVD	DATE
A	ISSUED FROM REV 7	1668	KJK	KJK	08APR10
B	ADDED NOTES 8 & 9; ADDED WIRE NUMBERS TO 23, 24, 40, 41 IN 'DUAL STARTER ARRANGEMENT' DETAIL	2560	MJD	MJD	06FEB12
C	UPDATED UK WIRING DETAIL FOR TACH, 12V AND 24V	2623	DKP	ASC	20JUN12
-	ADDED CNTRLD DWG. NOTE, BOTH CNTRLD BOXES WERE MAKRED	6309	MAL	MJD	06MAY21

COLOR CODE		LEGEND	
A - WHITE	I - PINK	AB - ALTERNATOR BRIDGE	MML - MANUAL MODE INDICATING LAMP
B - RED	J - BLACK	AL - ALTERNATOR	MP - MAGNETIC PICK-UP
C - ORANGE	K - BROWN	AM - AUTOMATIC MODE POSITION	MSS - MANUAL STOP SWITCH
D - YELLOW	L - GRAY	AVS - ALARM VERIFY SWITCH	DAL - OVER-SPEED ALARM LAMP
E - GREEN	M - PURPLE	B1 - BATTERY #1	DAR - OVER-SPEED ALARM RELAY
G - BLUE		B2 - BATTERY #2	OCB - OVER-CURRENT BREAKER
		BB1 - BATTERY BRIDGE #1	DPR - OIL PRESSURE ALARM RELAY
		BB2 - BATTERY BRIDGE #2	OVRS - OVERSPEED VERIFY @ 67%
		BSS - BUMP ENABLE SWITCH	RS - RESET SWITCH
		B1 - BATTERY ISOLATOR	SC1 - STARTER CONTACTOR BATT#1
		CS1 - CRANK (MANUAL) SWITCH - BATT#1	SC2 - STARTER CONTACTOR BATT#2
		CS2 - CRANK (MANUAL) SWITCH - BATT#2	SCB - SOLENOID CONTROL BOARD
		CB - COOLANT BRIDGE	ST - STARTER
		DIA - DIAGNOSTIC GAUGE	TCS - TEMPERATURE CONTROL SOLENOID
		EBL - ALTERNATE ECU INDICATING LAMP	TH - TACHOMETER - HOURMETER
		ESS - ECU SELECTOR SWITCH	VMG1 - VOLTMEETER GAUGE, BATT#1
		ETR - ETR SOLENOID RELAY	VMG2 - VOLTMEETER GAUGE, BATT#2
		MDS - MODE SELECTOR SWITCH	WS - WATER SOLENOID VALVE
		MM - MANUAL MODE POSITION	WT - WATER TEMPERATURE N. D. SW 205°F
			WTR - WATER TEMPERATURE ALARM RELAY



- NOTES:
- GOVERNOR SOLENOID
- ENERGIZED TO RUN - JU, JW STANDARD
- ENERGIZED TO STOP - JU, JW OPTIONAL
 - GOVERNOR SOLENOID
- ENERGIZED TO STOP - DP, DO, DR, DS, DT STANDARD
 - STARTER
- SINGLE STARTER - JV, DR, DS, DT STANDARD
- DUAL STARTER - JU STANDARD
- 24V BATTERY DETAIL SHOWN FOR 12V
SEE 12V BATTERY DETAIL.
 - SINGLE POINT GROUND
- GROUND STUD PROVIDED ON ENGINE FOR JUNCTION OF BATTERY GROUND CABLES, CONTROLLER GROUND (TERMINAL 11) AND ACCESSORY GROUND.
- SOME STARTERS HAVE ISOLATED GROUND.
 - SOME GOVERNOR SOLENOIDS HAVE ISOLATED GROUND
 - SOME ALTERNATORS HAVE ISOLATED GROUND
 - WATER SOLENOID VALVE IN RAW WATER SUPPLY COOLING LOOP.
- VALVE AND WIRING SUPPLIED BY OTHERS. 5 AMPS MAX.



CONTROLLED DRAWING

THIS IS A REGISTERED PART WITH A THIRD PARTY AGENCY FOR USE ON A PRODUCT. NO SUBSTITUTIONS ARE ALLOWED. CONSULT ENGINEERING PRIOR TO AND REGARDING ANY CHANGE.

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CLARKE
Fire Protection Products, Inc.

WIRING DIAGRAM, MECAB - ETR
ALL MECHANICAL ENGINES

DRWN: KJKUNKLER
DATE: 01APR09
ENGR: KJKUNKLER

PART NO: C071590

SCALE: NTS
UNITS: MM [INCH]

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