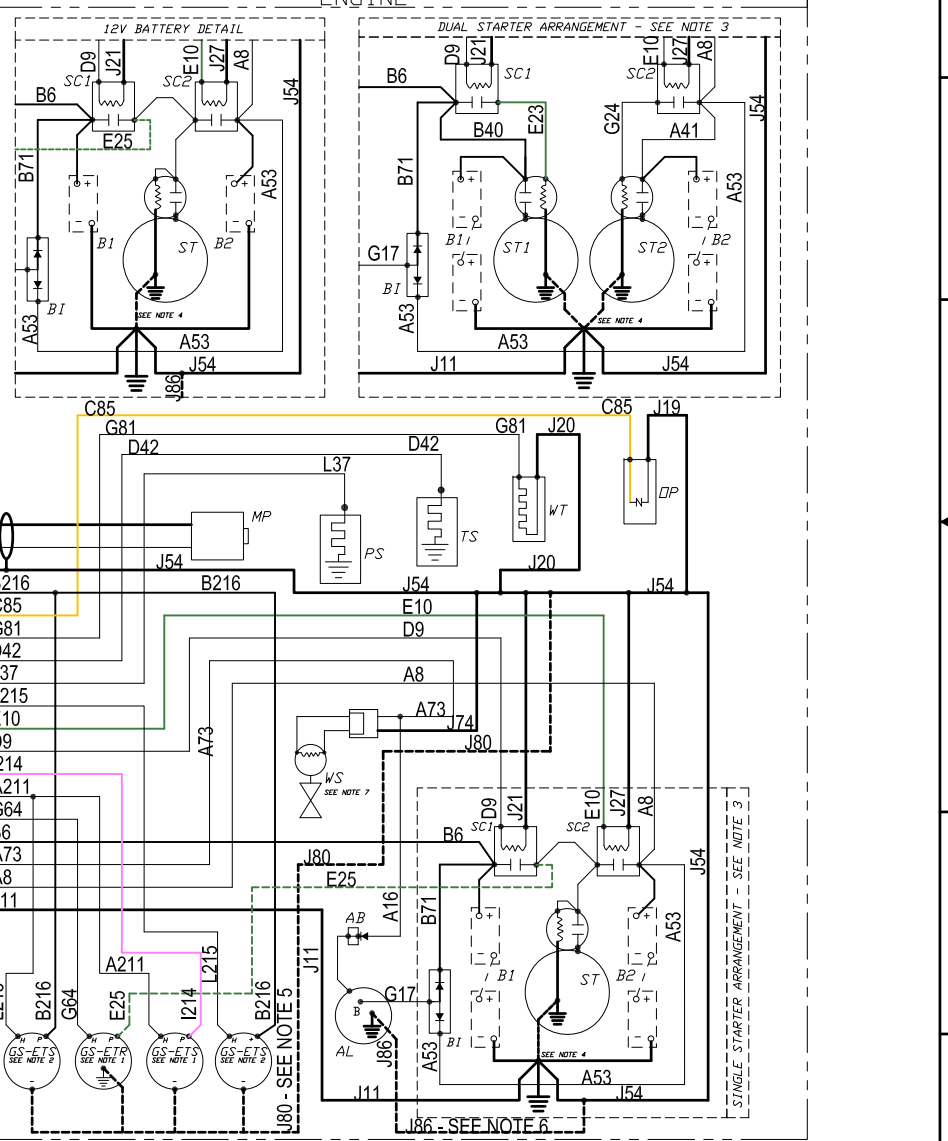
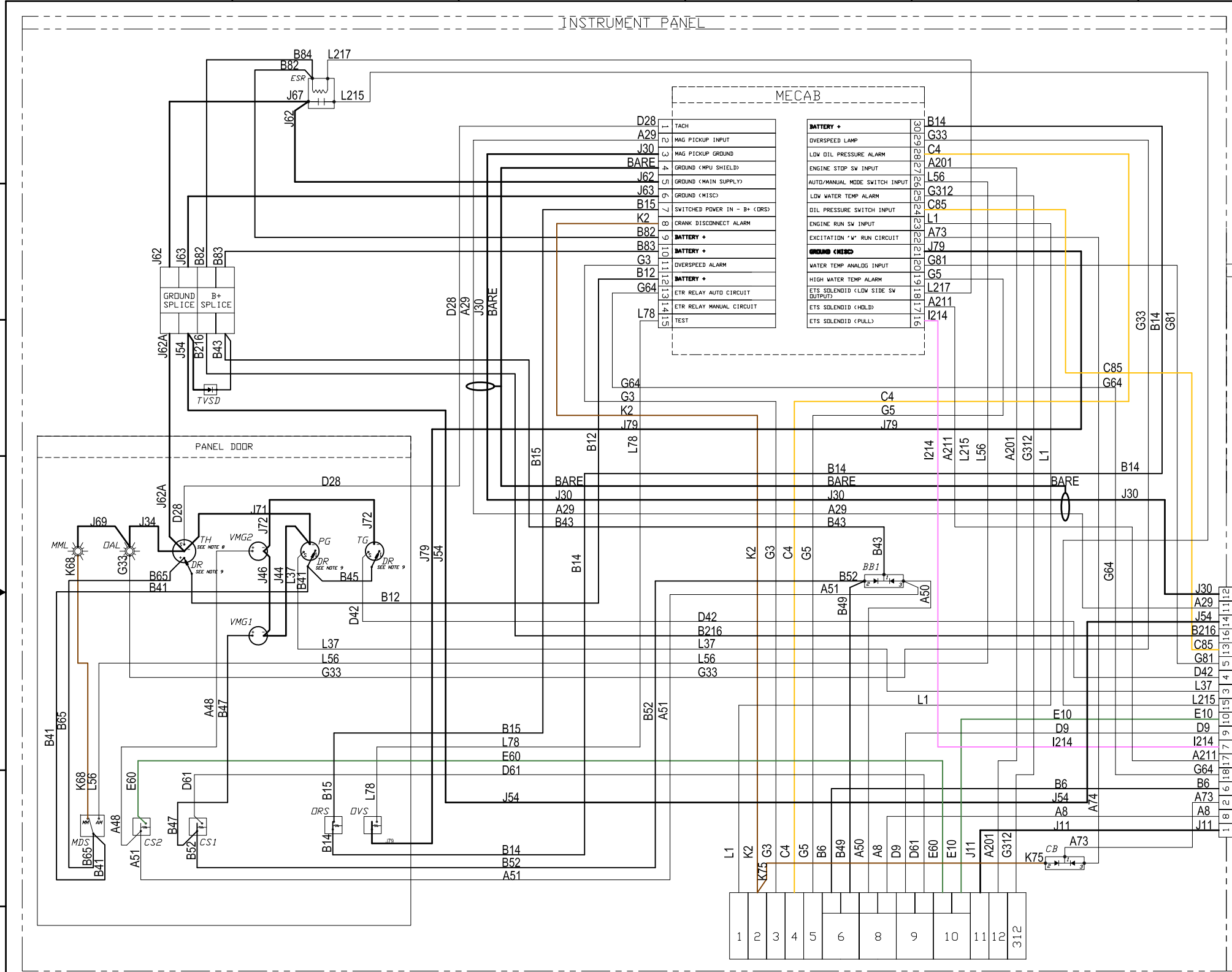


REV	DESCRIPTION	ECN#	DWN	APVD	DATE
C	UPDATED UK WIRING DETAIL FOR TACH, 12V AND 24V WIRE OUT OF PIN 18 WAS MISLABELED AS L215	3028	MLL	KJK	04FEB13
-	ADDED CNTRLD DWG BOX, BOTH CNTRLD DWG BOXES WERE MARKED	6309	MAL	MBD	11MAY21

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



**NOTES:**

1) GOVERNOR SOLENOID  
- ENERGIZED TO RUN - JW, JW STANDARD  
- ENERGIZED TO STOP - JW, JW OPTIONAL

2) GOVERNOR SOLENOID  
- ENERGIZED TO STOP - DP, DQ, DR, DS, DT STANDARD

3) STARTER  
- SINGLE STARTER - JW, DR, DS, DT STANDARD  
- DUAL STARTER - JW STANDARD  
- 24V BATTERY DETAIL SHOWN, FOR 12V SEE 12V BATTERY DETAIL.

4) 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.

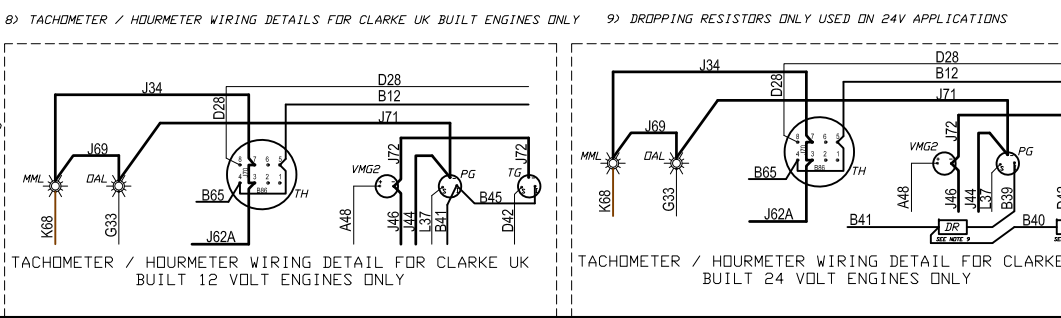
5) SOME GOVERNOR SOLENOIDS HAVE ISOLATED GROUND

6) SOME ALTERNATORS HAVE ISOLATED GROUND

7) WATER SOLENOID VALVE IN RAW WATER SUPPLY COOLING LOOP.  
- VALVE AND WIRING SUPPLIED BY OTHERS. 5 AMPS MAX.

GS-ETS CONNECTOR DQ, DR, DS, DT ONLY

GS-ETS CONNECTOR DP ONLY



**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.

**CLARKE**  
Fire Protection Products, Inc.

WIRING DIAGRAM,  
MECAB - ETS  
ALL MECHANICAL ENGINES

DRWN: MJDEMBKOWSKI  
DATE: 31MAR11  
ENGR: MJDEMBKOWSKI  
PART NO: C071842  
SCALE: NTS  
UNITS: MM [ INCH ]  
PAGE: 1 OF 1