

8

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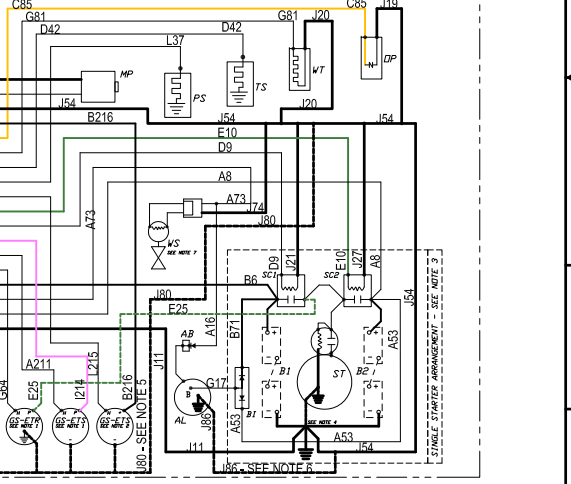
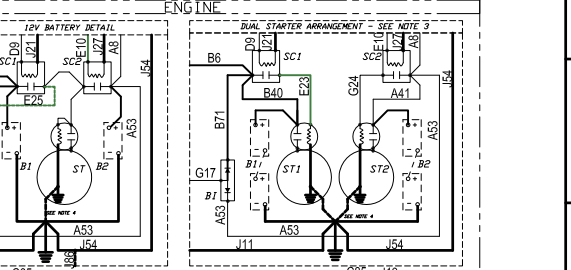
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INSTRUMENT PANEL

MECAB

REV	DESCRIPTION	ECNH	DWN	APVD	DATE
B	ADDED TVSD; ADDED DETAIL TO NOTE 2; ADDED NOTES 8 & 9	2560	MJD	MJD	06FEB12
C	UPDATED UK WIRING DETAIL FOR TACH, 12V AND 24V WIRE OUT OF PIN 18 WAS MISLABELED AS L215 ADDED NEW SOLENOID	3028	MLL	MLL	04FEB13

COLOR CODE		LEGEND	
A - WHITE	I - PINK	AB - ALTERNATOR BRIDGE	MP - MAGNETIC PICK-UP
B - RED	J - BLACK	AL - ALTERNATOR	MES - MANUAL STOP SWITCH
C - ORANGE	K - BROWN	AM - AUTOMATIC MODE POSITION	DAL - OVER-SPEED ALARM LAMP
D - YELLOW	L - GRAY	AVS - ALARM VERIFY SWITCH	DWR - OVER-SPEED ALARM RELAY
E - GREEN	M - PURPLE	B1 - BATTERY #1	DCB - OVER-CURRENT BREAKER
G - BLUE		B2 - BATTERY #2	DIR - OIL PRESSURE ALARM RELAY
		B3 - BATTERY BRIDGE #1	DVRS - OVER-SPEED VERIFY @ 67% PRESET SWITCH
		B4 - BATTERY BRIDGE #2	SC1 - STARTER CONTACTOR BATT#1
		B5 - BUMP ENABLE SWITCH	SC2 - STARTER CONTACTOR BATT#2
		B6 - SPEED BUMP SWITCH	SC3 - SOLENOID CONTROL BOARD
		B7 - BATTERY ISOLATOR	ST - STARTER
		B8 - CRANK (MANUAL) SWITCH - BATT#1	TH - TACHOMETER - HOURMETER
		B9 - CRANK (MANUAL) SWITCH - BATT#2	TCS - TEMPERATURE CONTROL SOLENOID
		CS1 - COILARY BRIDGE	TS - TRANSDUCENT VOLTAGE SUPPRESSION
		CS2 - CRANK (MANUAL) SWITCH - BATT#1	VT - VOLTMETER GAUGE, BATT#1
		CS3 - CRANK (MANUAL) SWITCH - BATT#2	VMG - VOLTMETER GAUGE, BATT#2
		D1A - DIAGNOSTIC GAUGE	WV - WATER SOLENOID VALVE
		D1B - ALTERNATE ECU INDICATING LAMP	WT - WATER TEMPERATURE N.G. SV 200°F
		ESR - ENGINE SHUTDOWN RELAY	WTR - WATER TEMPERATURE ALARM RELAY
		ETR - ETR SOLENOID RELAY	
		MOS - MODE SELECTOR SWITCH	
		MH - MANUAL MODE POSITION	
		MNL - MANUAL MODE INDICATING LAMP	



NOTES:

1) GOVERNOR SOLENOID - ENERGIZED TO RUN - J1, J4, J5 STANDARD - ENERGIZED TO STOP - J1, J4, J5 OPTIONAL

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

3) STARTER - SINGLE STARTER - J1, DR, DS, DT STANDARD - DUAL STARTER - J1 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

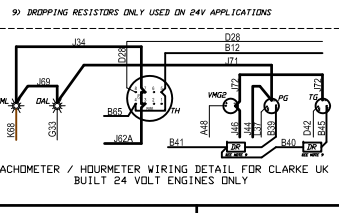
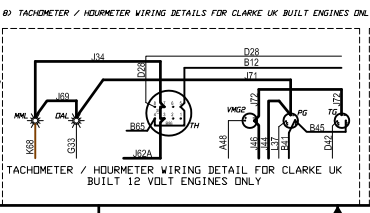
5) SOME GOVERNOR SOLENOIDS HAVE ISOLATED GROUND

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.

8) GS-ETS CONNECTOR DO, DR, DS, DT ONLY

9) GS-ETS CONNECTOR DP ONLY



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CLARKE Fire Protection Products, Inc.

WIRING DIAGRAM, MECAB - ETS ALL MECHANICAL ENGINES

DATE: 31MAR11
 DRAWN: MJD/EMBKOWSKI
 ENGR: MJD/EMBKOWSKI
 MATERIAL: PART NO: C071842
 SCALE: NTS
 UNITS: MM (INCH)
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