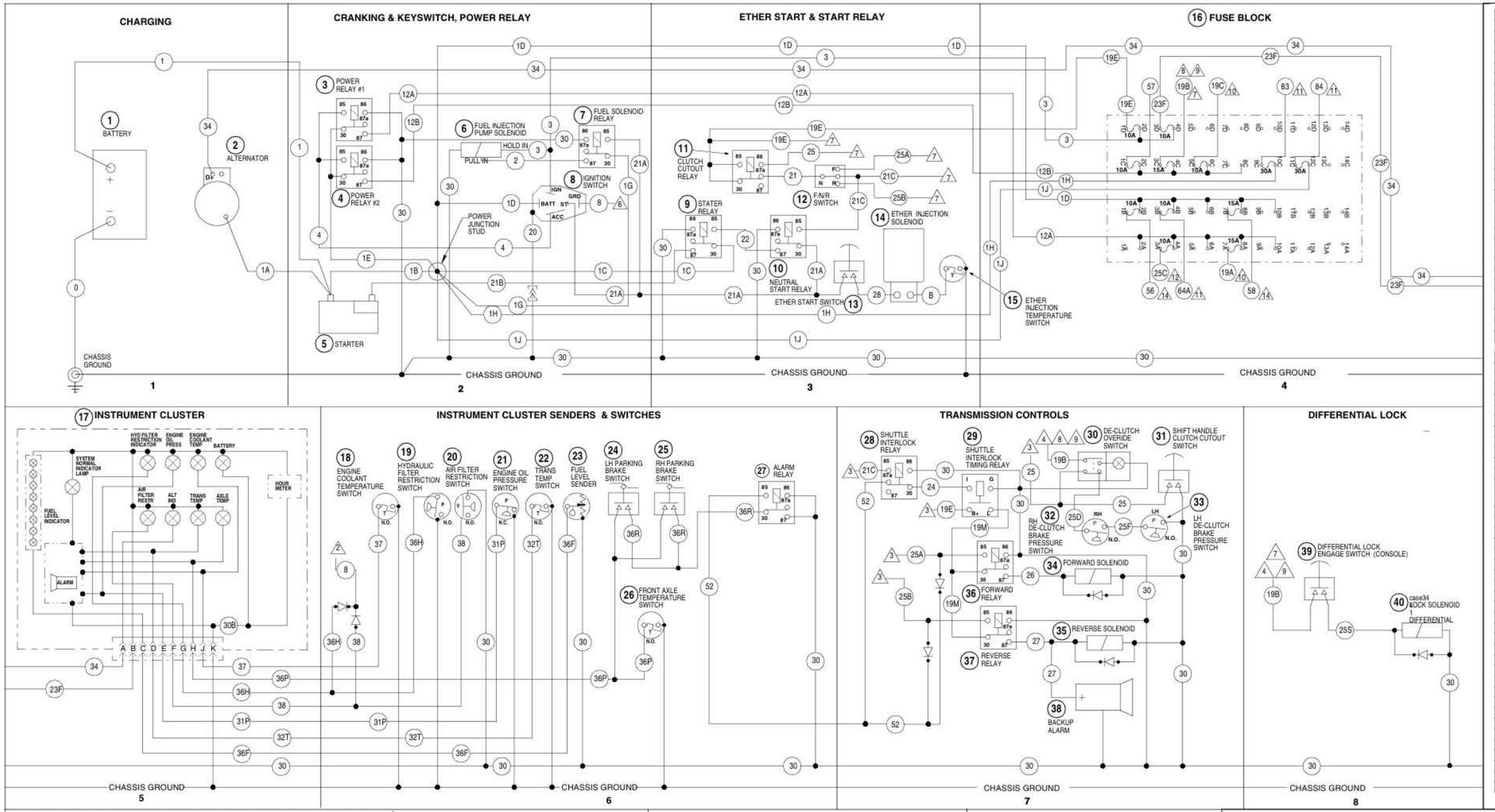
585G, 586G, 588G
Forklifts

Service Manual

7-14851

CASE
CONSTRUCTION

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NO.	GA.	COLOR	FROM:	TO:
0	ST	(NONE)	BATTERY	GROUND
1	0	RED	BATTERY	STARTER BATTERY TERMINAL
1A	8	RED	STARTER BATTERY TERMINAL	ALTERNATOR
1B	6	RED	STARTER BATTERY TERMINAL	POWER JUNCTION POST
1C	12	RED	POWER JUNCTION POST	STARTER RELAY T30
1D	12	RED	POWER JUNCTION POST	IGNITION SWITCH (BATT) FUSE BLOCK 2B, 4B, 6B, 8B, 10B
1E	12	RED	POWER JUNCTION POST	POWER RELAYS 1, 2, T30
1G	12	RED	POWER JUNCTION POST	FUEL SOLENOID RELAY T30
1H	12	RED	POWER JUNCTION POST	FUSE BLOCK 1C
1J	12	RED	POWER JUNCTION POST	FUSE BLOCK 12C
2	12	WHITE	FUEL SOLENOID RELAY T87	FUEL SLENOID (PULL IN)
3	12	WHITE	IGNITION SWITCH (IGNITION)	FUEL SOLENOID (HOLD IN), FUSE BLOCK 2D, 4D
4	16	GRAY	IGNITION SWITCH (ACC.)	POWER RELAYS 1, 2, T85
8	16	YELLOW	IGNITION SWITCH MOMENTARY GROUND	DIODES
12A	12	RED	POWER RELAY 1, T87	FUSE BLOCK 2A, 4A, 6A, 8A, 10A
12B	12	RED	POWER RELAY 2, T87	FUSE BLOCK 2C, 4C, 6C, 8C
19A	14	RED	FUSE BLOCK 7A	DRIVING LAMP SWITCH
19B	12	RED	FUSE BLOCK 3C	HAZARD SWITCH, ALTERNATOR LAMP, TURN SIGNAL SWITCH, BRAKE SWITCH (COM), FLASHER RELAY T2, DIFFERENTIAL LOCK ENGAGE ROCKER SWITCH
19C	12	RED	FUSE BLOCK 5D	REAR WORK LAMP SWITCH
19E	16	RED	FUSE BLOCK 1D	CLUTCH RELAY T85 AND T30, SHUTTLE INTERLOCK TIMING RELAY (B+)
19M	16	GRAY	SHUTTLE INTERLOCK TIMING RELAY "LOAD"	FORWARD AND REVERSE RELAY T30
20	16	BLACK	IGNITION SWITCH BODY	GROUND
21	16	RED	CLUTCH RELAY T87A	FORWARD/NEUTRAL/REVERSE LEVER (+)
21A	16	LT BLUE	IGNITION SWITCH (START)	ETHER START SWITCH, NEUTRAL START RELAY T30, FUEL SOLENOID RELAY T85
21B	12	WHITE	STARTER RELAY T87	STARTER SOLENOID
21C	16	WHITE	FORWARD/NEUTRAL/REVERSE LEVER (NEU)	NEUTRAL RELAY T85, SHUTTLE INTERLOCK RELAY T85
22	16	WHITE	NEUTRAL RELAY T87	STARTER RELAY T85
23F	16	RED	FUSE BLOCK 3D	INSTRUMENT CLUSTER TERMINAL "B"
24	16	WHITE	SHUTTLE INTERLOCK RELAY T30	SHUTTLE INTERLOCK TIMING RELAY (INPUT)
25	16	RED	CLUTCH RELAY T86	CLUTCH CUTOUT SWITCHES, DE-CLUTCH OVERIDE SWITCH
25A	16	LT BLUE	FORWARD/NEUTRAL/REVERSE LEVER (FORWARD)	FORWARD RELAY T85, DIODE
25B	16	LT BLUE	FORWARD/NEUTRAL/REVERSE LEVER (REVERSE)	REVERSE RELAY T85, DIODE
25C	16	RED	FUSE BLOCK 3A	4WD ENGAGE SWITCH
25D	16	LT BLUE	DE-CLUTCH OVERIDE SWITCH	RH BRAKE PRESSURE DE-CLUTCH SWITCH
25E	16	GRAY	4WD ENGAGE SWITCH	4WD SOLENOID, DIODE
25F	16	LT BLUE	RH BRAKE PRESSURE DE-CLUTCH SWITCH	LH BRAKE PRESSURE DE-CLUTCH SWITCH
25S	16	GRAY	DIFFERENTIAL LOCK ENGAGE SWITCH	DIFFERENTIAL LOCK SOLENOID, DIODE
26	16	LT BLUE	FORWARD RELAY T87	FORWARD SOLENOID, DIODE
27	16	LT BLUE	REVERSE RELAY T87	REVERSE SOLENOID, BACKUP ALARM (+), DIODE
28	16	LT BLUE	ETHER START SWITCH	ETHER INJECTION SOLENOID
30	10/ 12/ 16	BLACK	ACCESSORIES, POWER PLUG OUTLET	GROUND
30A	12	BLACK	POWER PLUG OUTLET	GROUND
30B	16	BLACK	INSTRUMENT CLUSTER TERMINAL "K"	GROUND
31P	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "E"	OIL PRESSURE SWITCH, DIODE
32T	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "D"	TRANSMISSION TEMPERATURE SWITCH
34	16	LT GREEN	ALTERNATOR "D+"	INSTRUMENT CLUSTER TERMINAL "A"
36F	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "C"	FUEL LEVEL SENDER
36H	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "G"	HYDRAULIC FILTER RESTRICTION SWITCHES, DIODE
36P	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "H"	PARK BRAKE SWITCH, FRONT AXLE TEMPERATURE SWITCH
36R	16	GRAY	PARKING BRAKE SWITCHES	ALARM RELAY T30
37	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "J"	COOLANT TEMPERATURE SWITCH
38	16	YELLOW	INSTRUMENT CLUSTER TERMINAL "F"	AIR FILTER RESTRICTION SWITCH, DIODE
41	16	GRAY	DRIVING LAMP SWITCH	DRIVING AND TAIL LAMPS
42C	16	GRAY	REAR WORK LAMP SWITCH	REAR WORK LAMPS
44	16	TAN	BRAKE SWITCH (N.O.)	BRAKE LAMPS
45L	16	TAN	FLASHER RELAY T5	LEFT TURN SIGNAL LAMPS
45R	16	TAN	FLASHER RELAY T7	RIGHT TURN SIGNAL LAMPS
46	16	TAN	FLASHER SWITCH	FLASHER RELAY T1
47L	16	TAN	TURN SIGNAL SWITCH (LEFT)	LEFT TURN INDICATOR, FLASH RELAY T6
47R	16	TAN	TURN SIGNAL SWITCH (RIGHT)	RIGHT TURN INDICATOR, FLASH RELAY T3
52	16	GRAY	DIODES	ALARM RELAY T85, SHUTTLE INTERLOCK RELAY T87A
56	16	RED	FUSE BLOCK 1B	OPTIONAL FUSED (B+)
57	16	RED	FUSE BLOCK 1C	ACCESSORIES BATT (+)
58	16	RED	FUSE BLOCK 7B	OPTIONAL FUSED (B+)
64A	16	RED	FUSE BLOCK 3B	HORN SWITCH
64B	16	GRAY	HORN SWITCH	HORN
83	12	RED	FUSE BLOCK 9C	POWER PLUG (B+)
84	12	RED	FUSE BLOCK 11C	POWER PLUG (B+)

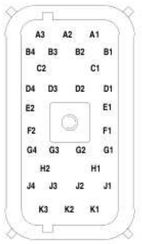
NOTE: Table Rotated 90 Degrees Clockwise for Clarity

	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14
D	**10 AMP** - STARTING & CLUTCH RELAY, SHUTTLE INTERLOCK TIMING RELAY	**10 AMP** - INSTRUMENTS & ALARM SYS.	—	—	—	—	—
C	**10 AMP** - ACC BATT (+) (OPTIONAL)	**15 AMP** - SIGNAL LAMPS, DIFFERENTIAL LOCK	**10 AMP** - REAR WORK LAMPS	SPARE	**30 AMP** - POWER OUTLET	**30 AMP** - POWER OUTLET	—
B	**10 AMP** - (BATT) (OPTIONAL)	**10 AMP** - HORN	SPARE	**10 AMP** - FLEET MANAGEMENT (OPTIONAL)	SPARE	—	—
A	SPARE	**10 AMP** - 4WD (OPTIONAL)	SPARE	**15 AMP** - DRIVING LAMPS	SPARE	—	—

MAIN CHASSIS HARNESS TO CONSOLE HARNESS CONNECTOR

MAIN CHASSIS HARNESS TO CONSOLE HARNESS CONNECTOR

CAV	CIRC 1	CIRC 2	CIRC 3	CIRC 4
A	1D	3	19B	///
B	4	19C	21	21A
C	21C	25	///	///
D	25A	25B	25C	25D
E	25E	25S	///	///
F	28	42C	///	///
G	45L	45R	46	47L
H	47R	64A	///	///
J	64B	19A	41	30
K	30A	83	84	///



585G/586G/588G FORKLIFT
ELECTRICAL SCHEMATIC

Additional copies of this hydraulic and electrical schematic can be ordered through Document Management Center. The part number is 7-15140.

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