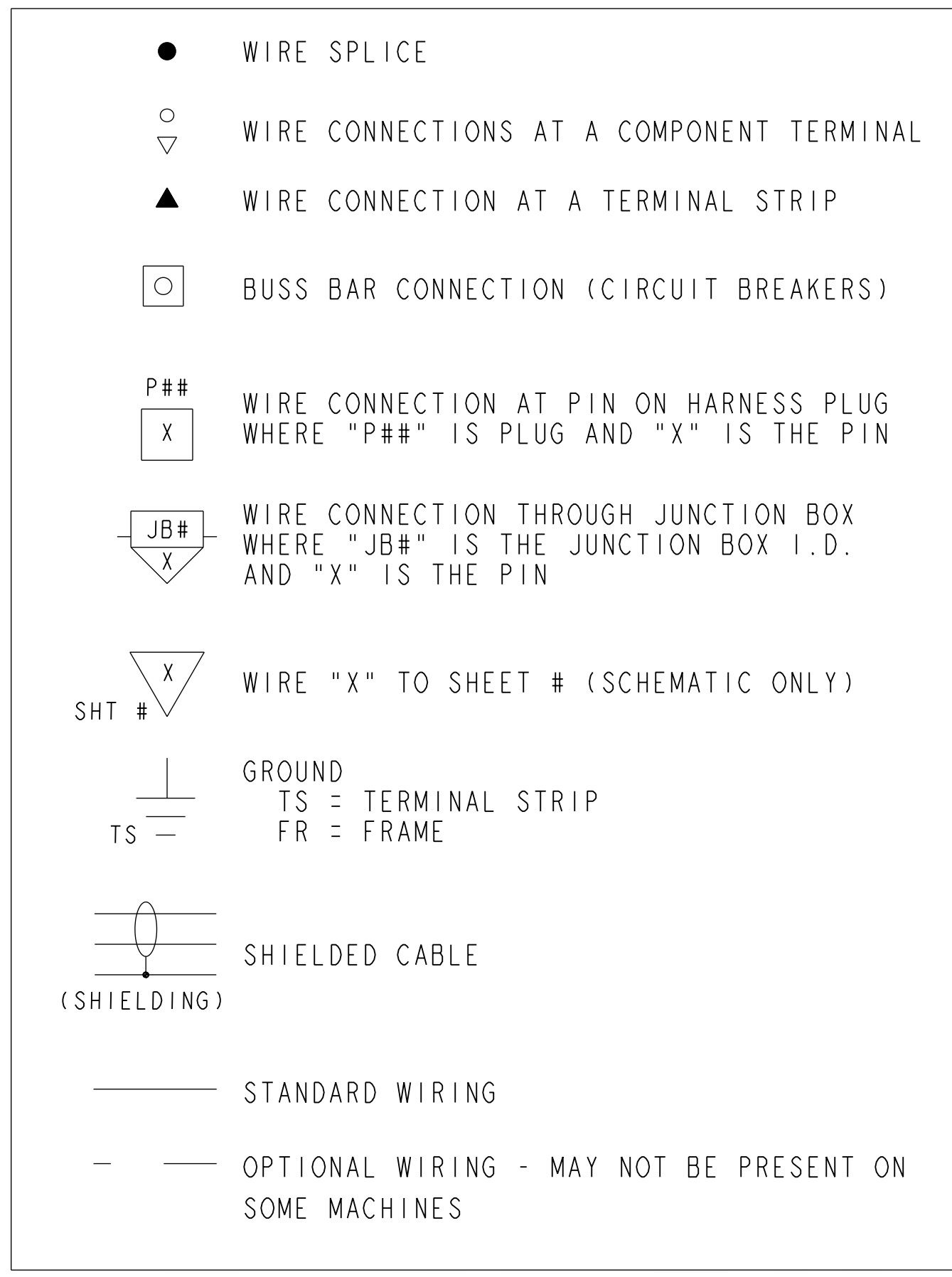
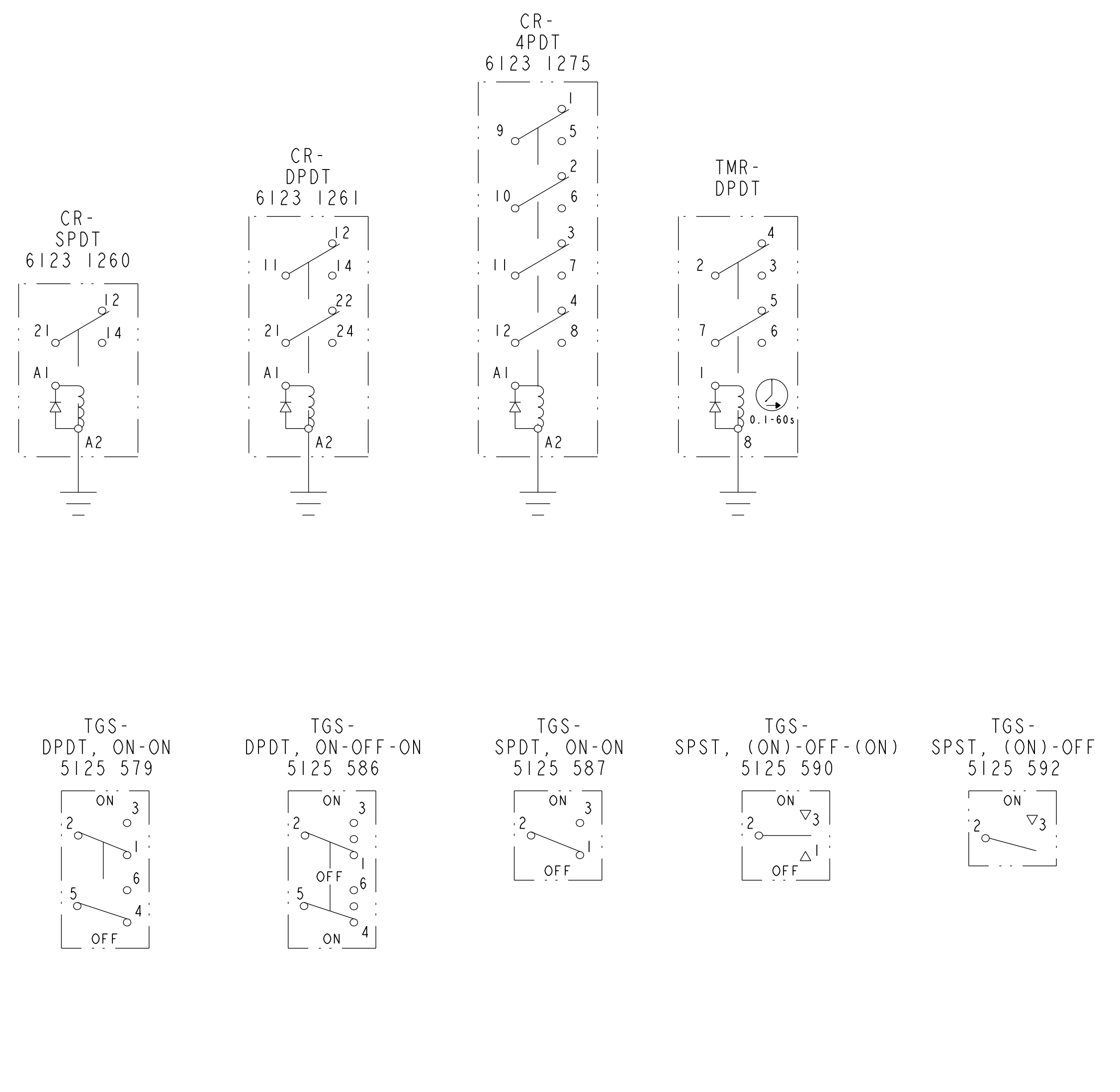


CONNECTION KEY



DEVICE ABBREVIATION / SYMBOL LIST

ABBREV.	DEVICE	SYMBOL
AH	ALARM	
C	CAPACITOR	\approx X uF
CB	CIRCUIT BREAKER	CBXX
CR	CONTROL RELAY	VARIES
D	DIODE	ANODE CATHODE
F	FUSE	
GA	GAUGE	
LS	LIMIT SWITCH	
LT	LIGHT NOTE: LETTER WITHIN LIGHT SYMBOL REPRESENTS COLOR OF LAMP: A AMBER B BLUE G GREEN R RED W WHITE Y YELLOW	
LS	LEVEL SWITCH	
M	MOTOR	
PB	PUSHBUTTON, LATCHING	
	PUSHBUTTON, MOMENTARY	
POT	POTENTIOMETER	
PRS	PROXIMITY SWITCH	
PS	PRESSURE SWITCH	
R	RESISTOR	
RSS	ROTARY SELECTOR SWITCH	
SOL	SOLENOID (W/ DIODE PROTECTION)	
TAS	TEMPERATURE SWITCH	
TMR	TIMER	VARIES
TS	TERMINAL STRIP	



FOR MORE DETAILED LOCATION OF DEVICES, REFER TO THE WIRE & DEVICE LIST FOLLOWING THESE SCHEMATICS

S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		DESCRIPTION: M7			
FRACTION	± 1/8	SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 1 OF 26	
PLANE ANGLES ±1°		ASSEMBLY: -			

REVISION HISTORY LOCATED ON LAST SHEET

CONNECTOR REFERENCE

CONNECTOR REFERENCE (continued)

CONNECTOR REFERENCE (continued)

CONN	# OF PINS	PIN SIDE LOCATION	SOCKET SIDE LOCATION
P29	6	EDC	SEAT HARNESS
P30	3	FRAME HARNESS	MAIN RETURN FILTER
P31	3	FRAME HARNESS	CASE DRAIN FILTER
P34	3	FRAME HARNESS	PRESSURE FILTER - IMPL.
P35	3	FRAME HARNESS	CHARGE PUMP
P36	4	PUMP CONTROL	FRAME HARNESS
P45	2	FRAME HARNESS	HYD OIL LEVEL SWITCH
P48	2	FRAME HARNESS	HYD OIL TEMP SWITCH
P59	3	FRAME HARNESS	SNOWBLOWER RETURN FILTER
P68	3	CAB HARNESS	THROTTLE (POTENTIOMETER)
P72	40	CAB WALL / CAB HARNESS	ENGINE HARNESS
P78	2	MAIN OIL COOLER	FRAME HARNESS
P79	1	TRANSMISSION OIL COOLER	FRAME HARNESS
P80	2	LH ENGINE PERIMETER LT.	FRAME HARNESS
P81	2	CEN. ENGINE PERIMETER LT.	FRAME HARNESS
P82	2	RH ENGINE PERIMETER LT.	FRAME HARNESS
P92	2	LEFT FRONT WIPER	CAB HARNESS
P93	2	RIGHT FRONT WIPER	CAB HARNESS
P94	2	UPPER WIPER	CAB HARNESS
P125	21	JD ENGINE HARNESS	JD ENGINE
P130	2	CAB LIGHTING HARNESS	LEFT PERIMETER LIGHT
P131	2	LEFT SIDE WINDOW WIPER	CAB LIGHTING HARNESS
P132	2	CAB FAN	CAB LIGHTING HARNESS
P133	2	CAB LIGHTING HARNESS	LEFT WORK LIGHT
P134	2	CAB LIGHTING HARNESS	LEFT WORK LIGHT
P135	3	FRONT LEFT BRAKE LIGHT	CAB LIGHTING HARNESS
P136	2	TRAVEL LIGHT	CAB LIGHTING HARNESS
P137	4	FRONT LOCOMOTIVE LIGHTS	CAB LIGHTING HARNESS
P138	2	FRONT RIGHT TRAVEL LIGHT	CAB LIGHTING HARNESS
P139	2	CAB LIGHTING HARNESS	FRONT BACK-UP ALARM
P140	3	FRONT RIGHT BRAKE LIGHT	CAB LIGHTING HARNESS
P141	2	CAB LIGHTING HARNESS	RIGHT WORK LIGHT
P142	2	CAB LIGHTING HARNESS	RIGHT WORK LIGHT
P143	2	RIGHT SIDE WINDOW WIPER	CAB LIGHTING HARNESS
P144	2	CAB LIGHTING HARNESS	RIGHT PERIMETER LIGHT
P145	2	CAB FAN	CAB LIGHTING HARNESS
P146	2	LEFT REAR BRAKE LIGHT	CAB LIGHTING HARNESS
P147	2	REAR WINDOW WIPER	CAB LIGHTING HARNESS
P148	2	TRAVEL LIGHT	CAB LIGHTING HARNESS
P149	2	DOMELIGHT	CAB LIGHTING HARNESS
P150	2	CAB LIGHTING HARNESS	REAR WORK LIGHT
P151	4	REAR LOCOMOTIVE LIGHTS	CAB LIGHTING HARNESS
P152	2	STROBE / BEACON	CAB LIGHTING HARNESS
P153	2	CAB LIGHTING HARNESS	REAR PERIMETER LIGHT
P154	2	TRAVEL LIGHT	CAB LIGHTING HARNESS
P155	2	CAB LIGHTING HARNESS	REAR BACK-UP ALARM
P156	2	RIGHT REAR BRAKE LIGHT	CAB LIGHTING HARNESS
P157	1	ENGINE HARNESS	A/C CLUTCH
P158	2	DOMELIGHT	CAB LIGHTING HARNESS
P164	6	CAB HARNESS	MURPHYLINK
P201	12	JB1	JB1-4 HARNESS
P202	12	JB2	JB1-4 HARNESS
P203	12	JB3	JB1-4 HARNESS
P204	12	JB4	JB1-4 HARNESS
P205	12	JB5	JB5 CABLE
P206	12	JB6	JB6 CABLE
P207	12	JB7	JB7 CABLE

CONN	# OF PINS	PIN SIDE LOCATION	SOCKET SIDE LOCATION
P208	12	JB8	JB8 CABLE
P210	12	CAB WALL / CAB HARNESS	JB1-4 HARNESS
P215	12	CAB WALL / CAB HARNESS	JB5 CABLE
P216	12	CAB WALL / CAB HARNESS	JB6 CABLE
P217	12	CAB WALL / CAB HARNESS	JB7 CABLE
P218	12	CAB WALL / CAB HARNESS	JB8 CABLE
P219	12	CAB WALL / SEAT HARNESS	PROP. CONTROL HARNESS
P220	4	PROP. VALVES	PROP. CONTROL HARNESS
P221	4	PROP. VALVES	PROP. CONTROL HARNESS
P222	4	PROP. VALVES	PROP. CONTROL HARNESS
P223	4	PROP. VALVES	PROP. CONTROL HARNESS
P231	2	FRAME HARNESS	AMMETER SHUNT
P250	29	CAB WALL / CAB HARNESS	FRAME HARNESS
P251	3	FRAME HARNESS	TURNTABLE LIMIT SWITCH
P300	40	OH CONSOLE	CAB LIGHTING HARNESS
P305	2	CAB LIGHTING HARNESS	HORN COMPRESSOR
P306	2	CAB LIGHTING HARNESS	HORN COMPRESSOR
P349	8	BRAKE & A/C HARNESS	CAB HARNESS
P350	70	CC LEFT PANEL	CAB HARNESS
P351	2	CC LEFT PANEL	YELLOW INTERLOCK BUTTON
P352	8	BRAKE & A/C HARNESS	A/C UNIT
P353	4	DEFROST HEATER	BRAKE & A/C HARNESS
P354	2	CAB HARNESS	RADIO
P355	24	CAB HARNESS	CC FRONT PANEL
P356	4	CAB HARNESS	12V CONVERTER
P357	12	LEFT JOYSTICK	SEAT HARNESS
P358	12	RIGHT FRONT JOYSTICK	SEAT HARNESS
P359	12	RIGHT REAR JOYSTICK	SEAT HARNESS
P360	12	CC RIGHT PANEL	CAB HARNESS
P364	6	SEAT HARNESS	JOYSTICK SWITCH
P363	8	EDC JOYSTICK	CAB HARNESS
P367	6	LEFT JOYSTICK	SEAT HARNESS
P368	6	RIGHT FRONT JOYSTICK	SEAT HARNESS
P369	6	RIGHT REAR JOYSTICK	SEAT HARNESS
P365	12	CAB HARNESS	CC TOP PANEL
P366	70	OH CONSOLE	CAB HARNESS
P370	40	CAB HARNESS	SEAT HARNESS
P371	3	SPEEDOMETER	CAB HARNESS
P372	2	BRAKE & A/C HARNESS	BRAKE PEDAL
P373	2	BRAKE & A/C HARNESS	REAR BRAKE PEDAL
P374	1	FRAME HARNESS	OIL TEMP SENDER
P376	6	CAB HARNESS	CC RIGHT PANEL
P377	2	A/C EVAPORATOR FANS	CAB LIGHTING HARNESS
P378	2	CAB LIGHTING HARNESS	A/C TEMP. SWITCH
P379	2	CAB LIGHTING HARNESS	PRESSURIZER
P380	7	CAB HARNESS	CC LEFT PANEL
P381	2	CAB HARNESS	OH CONSOLE
P382	40	DISTRIBUTION PANEL	CAB MAIN HARNESS
P383	2	MAIN OIL COOLER CONTR.	MAIN FRAME HARNESS
P384	6	MAIN OIL COOLER CONTR.	MAIN FRAME HARNESS
P385	12	GRAPHIC TERMINAL HARNESS	TRANSMITTERS HARNESS
P386	3	TRANSMITTERS HARNESS	TRANSMITTER TRACK DRIVE
P387	3	TRANSMITTERS HARNESS	TRANSMITTER BROOM
P388	3	TRANSMITTERS HARNESS	TRANSMITTER IMPLEMENT
P389	3	TRANSMITTERS HARNESS	TRANSMITTER CHARGE
P390	12	POWER CONVERTER	GRAPH TERMINAL HARNESS
P391	12	GRAPHICAL TERMINAL	GRAPH TERMINAL HARNESS

CONN	# OF PINS	PIN SIDE LOCATION	SOCKET SIDE LOCATION
P392	40	CUMMINS ENGINE HARNESS	CUMMINS ENGINE
P393	4	CUMMINS POWER HARNESS	CUMMINS POWER
P394	9	ENG. DIAGNOSTIC CONN.	OH CONSOLE
P395	8	CAB WALL / CAB HARNESS	ENGINE DIAGNOSTICS
P400	2	SNOW BLOWER OIL COOLER CONTR.	14/3 SOOW CHORD
P401	6	SNOW BLOWER OIL COOLER CONTR.	14/3 SOOW CHORD
P402	2	SNOW BLOWER OIL COOLER	14/3 SOOW CHORD



ELECTRICAL DRAWING REFERENCE

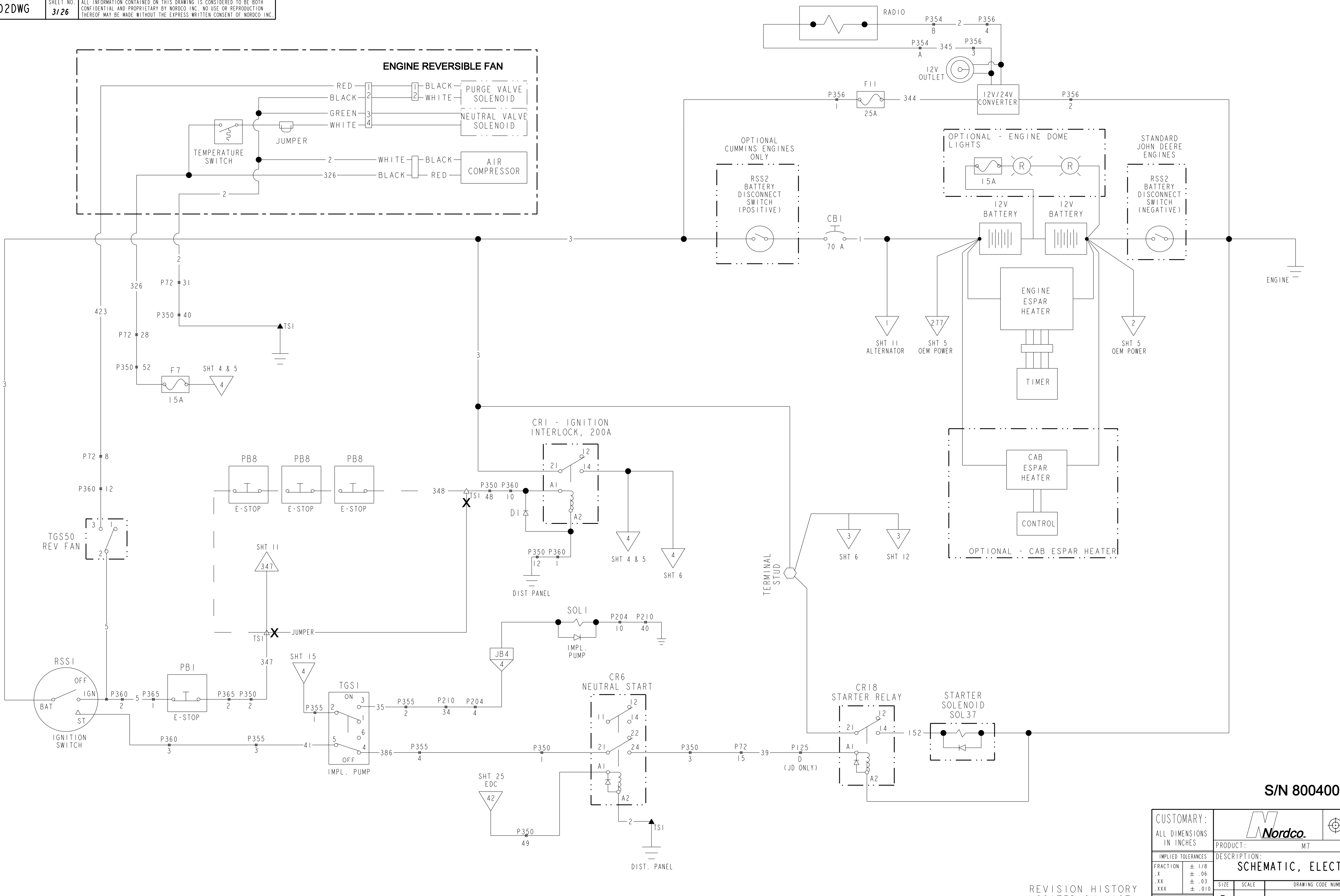
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OH CONSOLE	520207
CENTER CONSOLE FRONT	520216
CENTER CONSOLE TOP	520214
CENTER CONSOLE RIGHT	520215
OH CONSOLE MODS	520217
DISTRIBUTION PANEL MODS	520218
CAB LIGHTING HARNESS	520223
ENGINE HARNESS (J.D.)	520224
JOYSTICK HARNESS	520225
BRAKES / HEAT / A/C HARNESS	520226
PROP. CONTROL HARNESS	520227
JB1-4 HARNESS	520228
WING CONTROL JOYSTICK	500232
JOYSTICK SWITCH	500233
EDC JOYSTICK	520234
DISTRIBUTION PANEL (CC LEFT)	520289
FRAME HARNESS	520290
CAB HARNESS	520291
HYDR OIL COOLER FAN	520292
HYDR OIL COOLER CONTROLLER	520293
TRANSMITTERS HARNESS	520299
GRAPH TERMINAL HARNESS	520300
CABLING DRAWING	480113
ENGINE HARNESS (CUMMINS)	520311
ENGINE HARNESS POWER (CUMMINS)	520319

DRAWING LOCATION (GENERAL)

- SHEET 1 LEGEND
- SHEET 2 CONNECTOR & DRAWING REFERENCE.
- SHEET 3 BATTERIES, ESPAR & IGNITION CIRCUIT.
- SHEET 4 JOHN DEERE DIESEL ENGINE.
- SHEET 5 CUMMINS DIESEL ENGINE.
- SHEET 6 FAN OPTIONS.
CB31 - STROBE & CAB FANS.
CB32 - TRAVEL ALARM
CB33 - TRAVEL & MARKER LIGHTS.
- SHEET 7 CB32 - TRAVEL ALARM WITH DIRECTIONAL SWITCH
- SHEET 8 CB34 - WORK LIGHTS.
CB35 - LOCOMOTIVE LIGHTS.
CB36 - PERIMETER LIGHTS.
- SHEET 9 CB41 - WINDSHIELD WIPERS.
CB42 - GAUGES.
- SHEET 10 CB43 - PRESSURIZER.
CB44 - EMERGENCY PUMP & INDICATOR LIGHTS.
- SHEET 11 CB45 - SPOT LIGHT.
CB46 - SPARE.
CB51 - HYD OIL COOLER AND SNOW BLOWER OIL COOLER.
CB52 - TRANS OIL COOLER.
- SHEET 12 CB53 - AC CAB FAN.
CB54 - CONDENSER FANS & AC CLUTCH.
CB55 - RIGHT SIDE HEATER.
- SHEET 13 CB56 - HORNS, TURNTABLE POWER LOCK-UP & TURNTABLE INTERLOCK.
- SHEET 14 CB61 - BRAKES - SEE SHT 7 FOR BRAKE LIGHTS.
CB62 - PROPORTIONAL JOYSTICK CONTROL.
CB66 - JOYSTICK ON-OFF SWITCH.
- SHEET 15 CB63 - BROOM AND SNOWBLOWER.
- SHEET 16 CB64 - STONE DEFLECTOR FLAPS, WING INNER DOORS, & SNOW WING LOCK-UP.
- SHEET 17 CB65 - FRONT PLOW.
- SHEET 18 LH JOYSTICK BUTTON FUNCTIONS.
- SHEET 19 RH JOYSTICK BUTTON FUNCTIONS WITH TRIGGER.
- SHEET 20 LH JOYSTICK BUTTON FUNCTIONS.
- SHEET 21 RH JOYSTICK BUTTON FUNCTIONS WITH TRIGGER.
- SHEET 22 TRANSMISSION, ELECTRONIC DRIVE CONTROL (EDC).
- SHEET 23 REVISION HISTORY.

S/N 800400 & UP

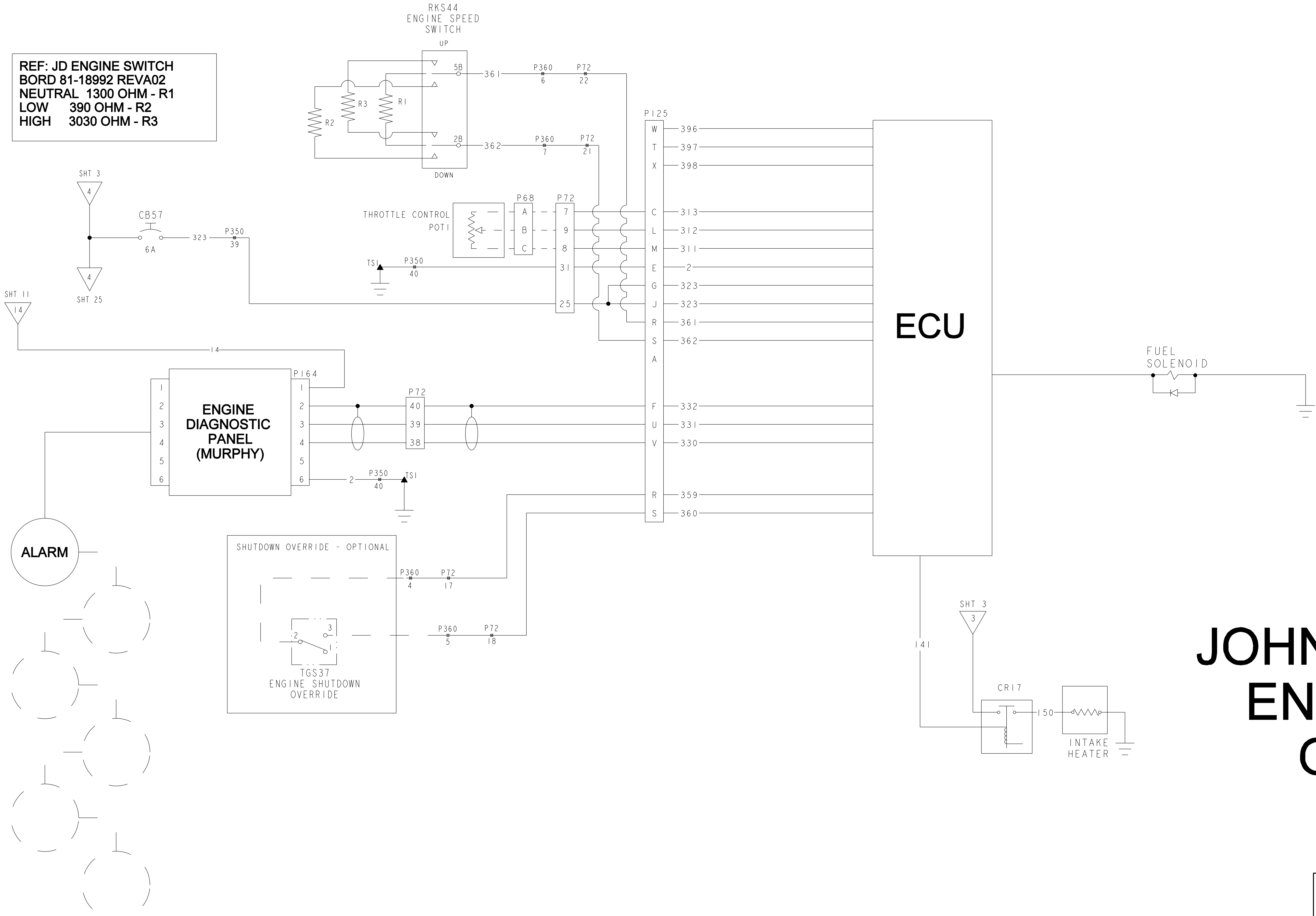
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			DESCRIPTION: SCHEMATIC, ELECTRICAL	
IMPLIED TOLERANCES	FRACTION	± 1/8	SIZE	SCALE
	.X	± .06	D	NTS
	.XX	± .03	DRAWING CODE NUMBER	
	.XXX	± .010	REV: -	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	PLANE ANGLES +/- 1°		ASSEMBLY: -	
REVISION HISTORY LOCATED ON LAST SHEET			SHEET 2 OF 26	



S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 3 OF 26
PLANE ANGLES +/- 1°					

REVISION HISTORY
LOCATED ON LAST
SHEET



REF: JD ENGINE SWITCH
 BORD 81-18992 REVA02
 NEUTRAL 1300 OHM - R1
 LOW 390 OHM - R2
 HIGH 3030 OHM - R3

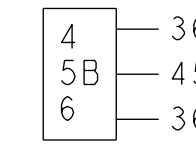
JOHN DEERE ENGINES ONLY

S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	ASSEMBLY: -		SHEET 4	OF 26
PLANE ANGLES ± 1°					

REVISION HISTORY
 LOCATED ON LAST
 SHEET

ENGINE
ROCKER
SWITCH



P392

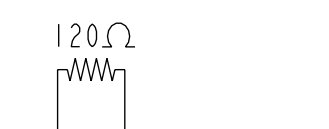
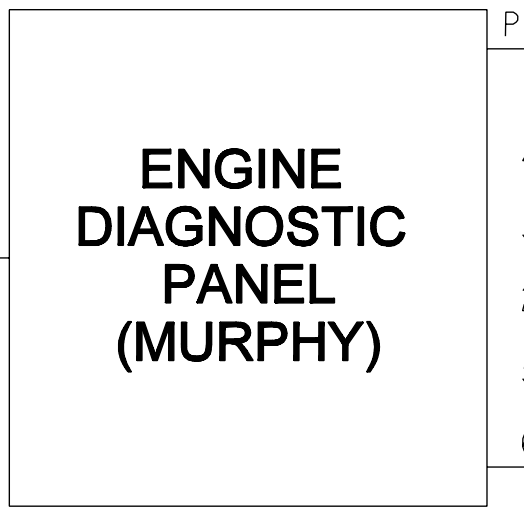
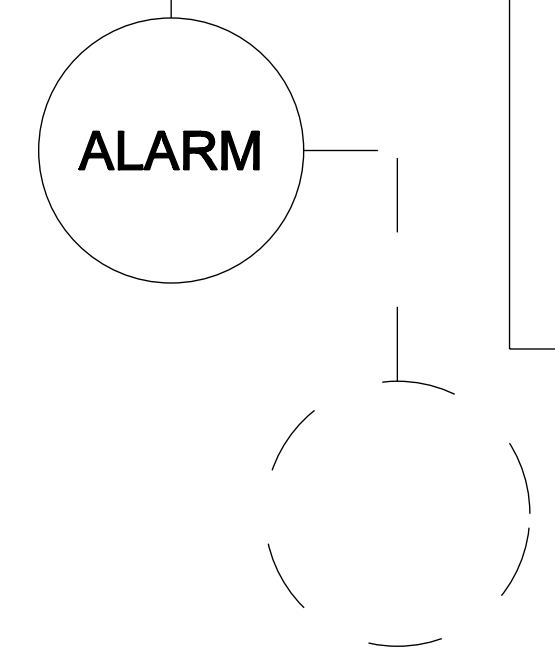
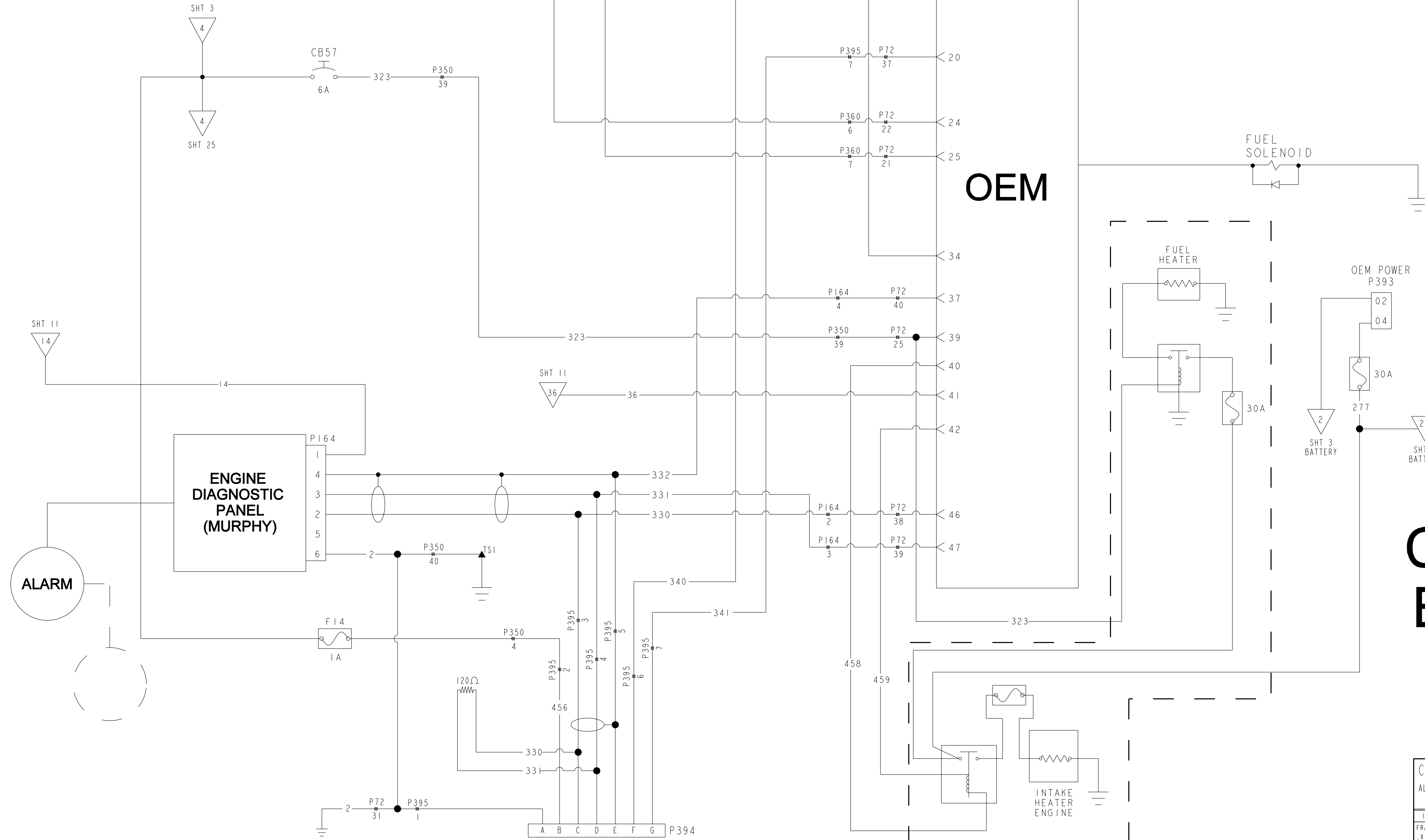
OEM

FUEL
SOLENOID

OEM POWER
P393

CUMMINS ENGINES ONLY

S/N 800400 & UP



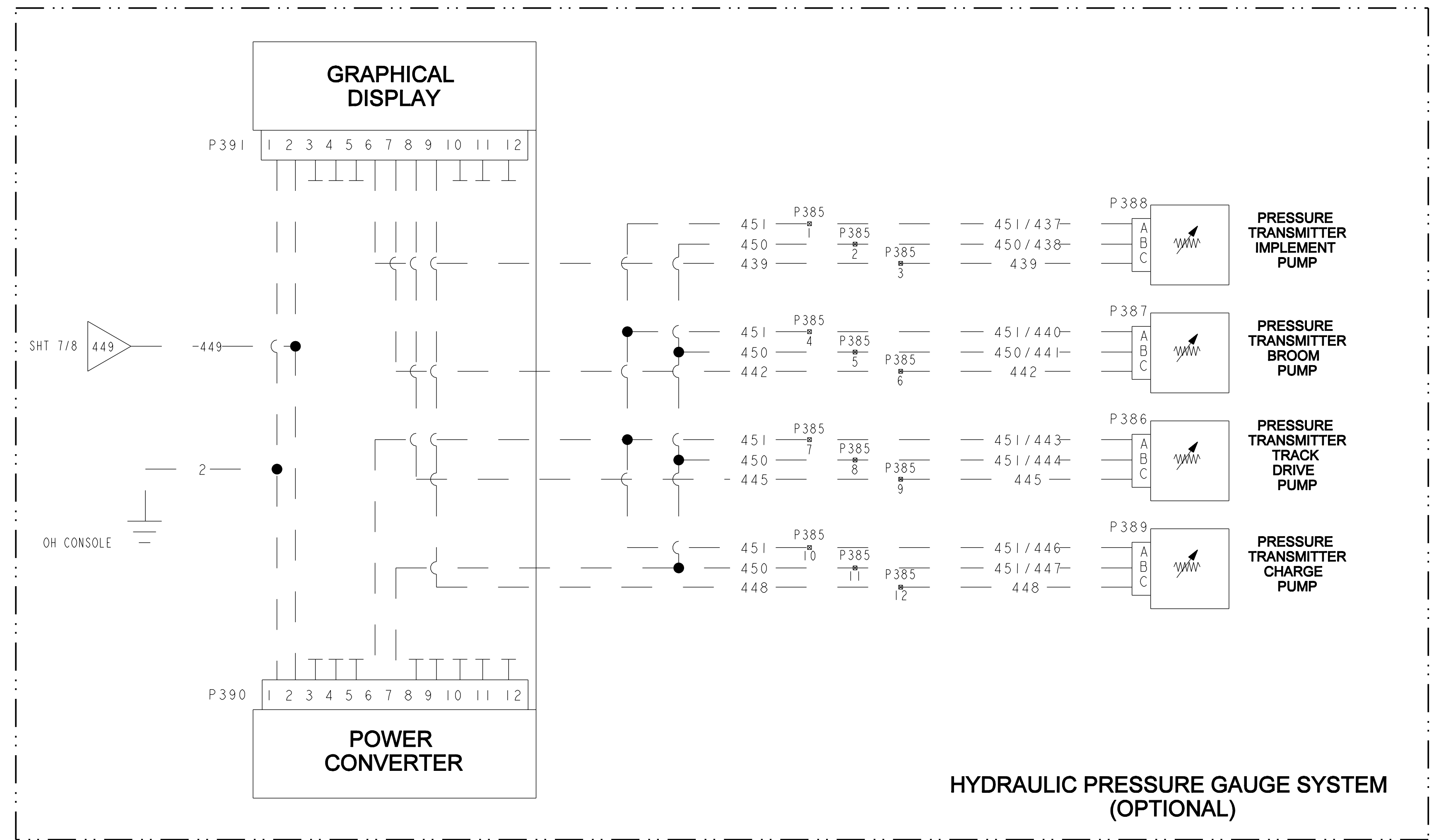
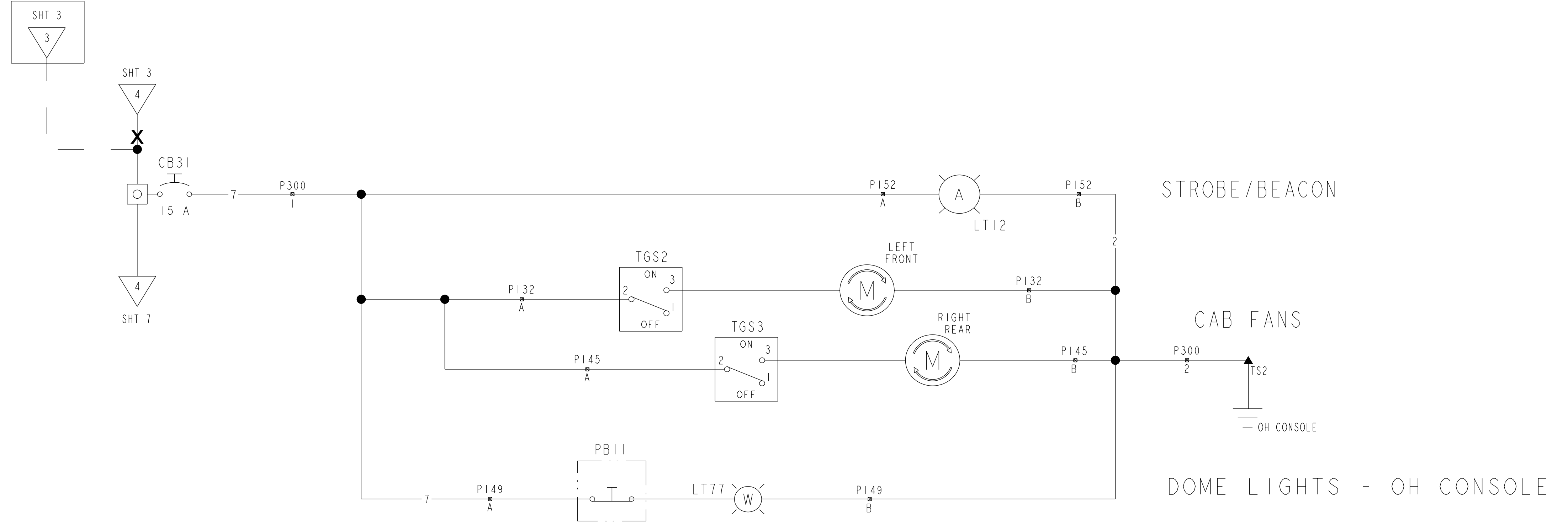
ENGINE
DIAGNOSTICS



REVISION HISTORY
LOCATED ON LAST
SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 5 OF 26
PLANE ANGLES ±1°					

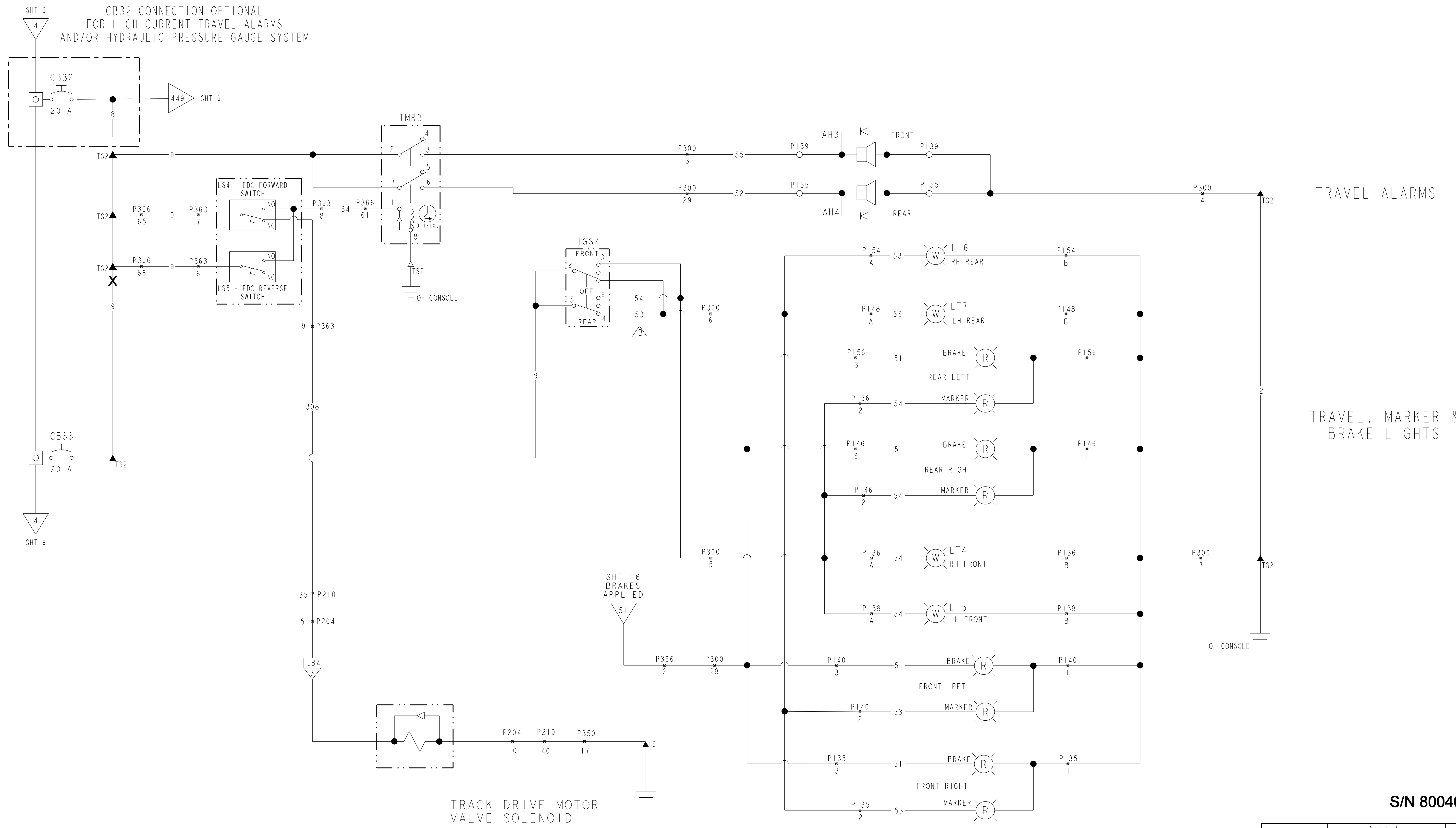
OPTION



S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

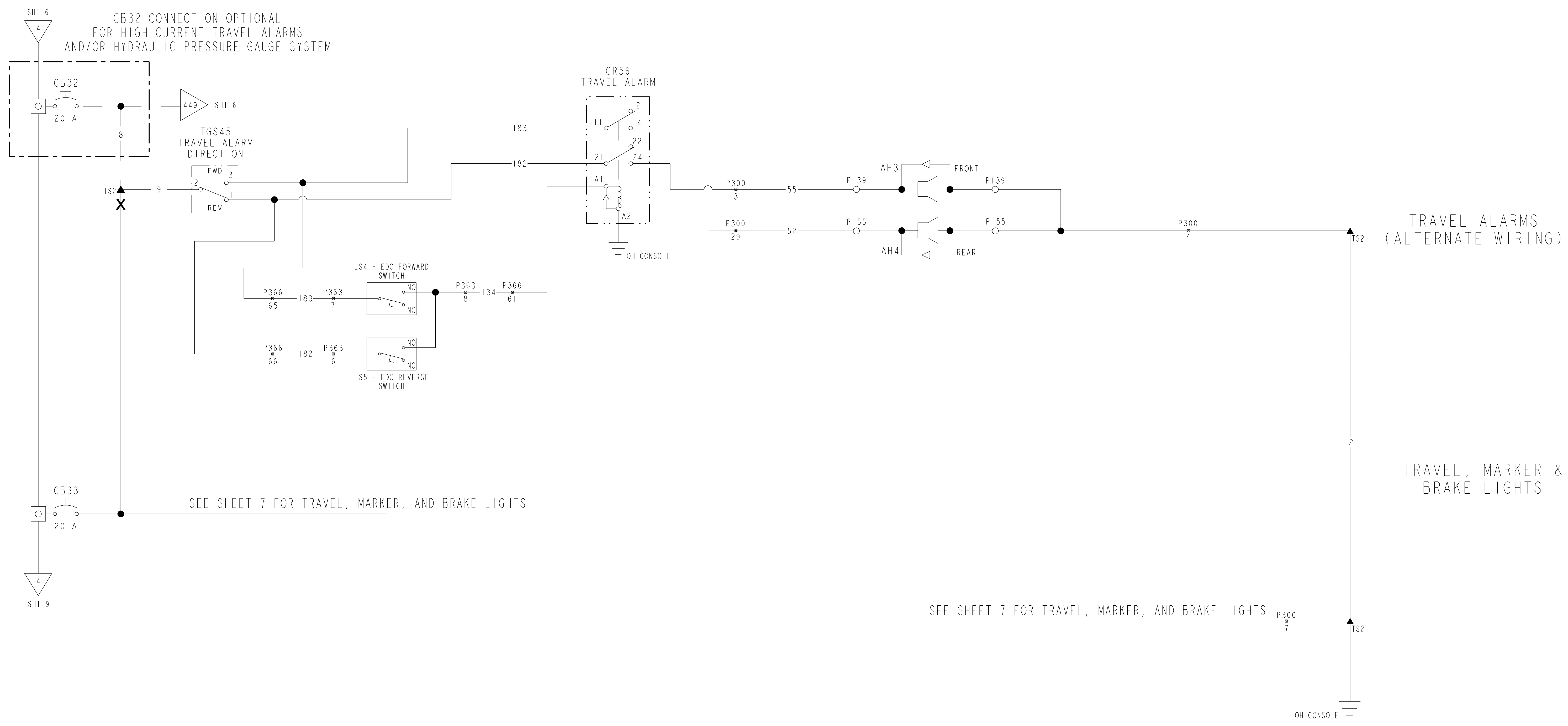
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FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	PLANE ANGLES ± 1°		ASSEMBLY: -	SHEET 6 OF 26



S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
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.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	
PLANE ANGLES +/- 1°		SHEET 7 OF 26			



TRAVEL ALARMS (ALTERNATE WIRING)

TRAVEL, MARKER & BRAKE LIGHTS

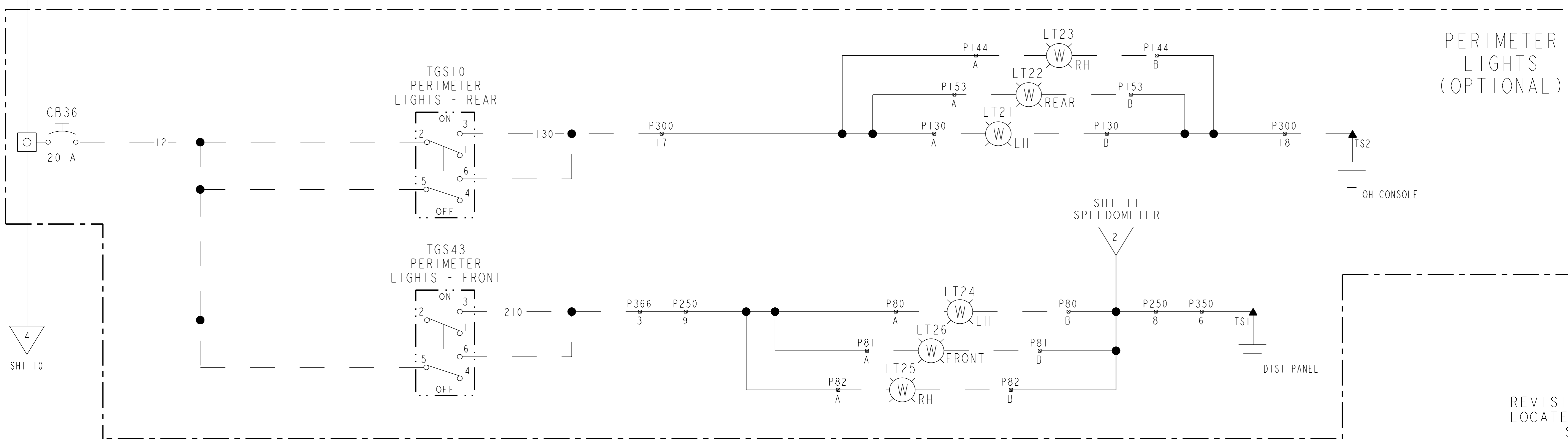
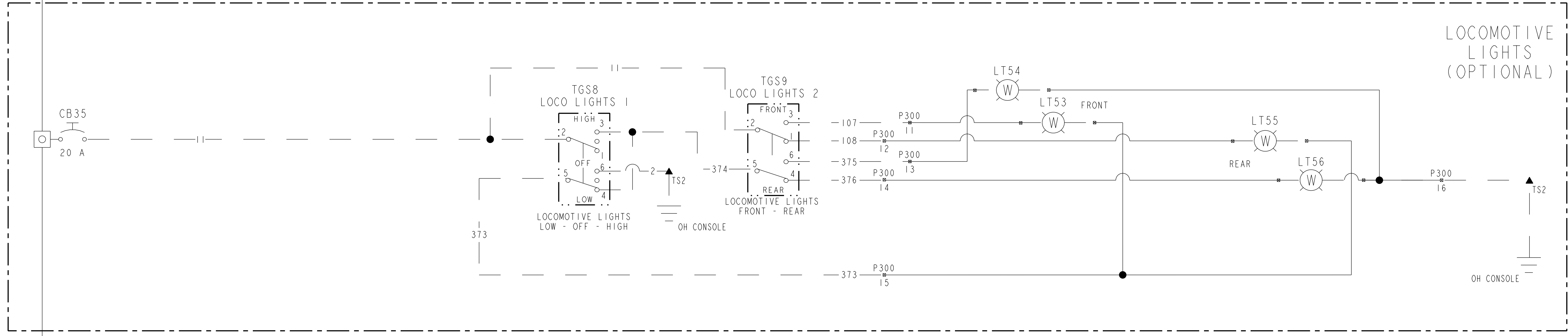
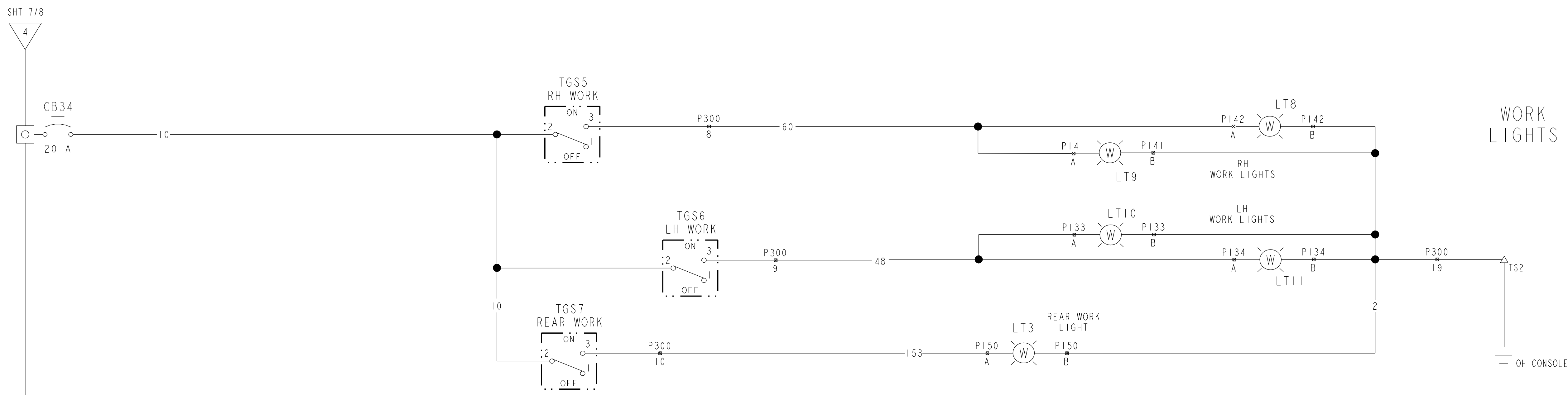
SEE SHEET 7 FOR TRAVEL, MARKER, AND BRAKE LIGHTS

SEE SHEET 7 FOR TRAVEL, MARKER, AND BRAKE LIGHTS

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

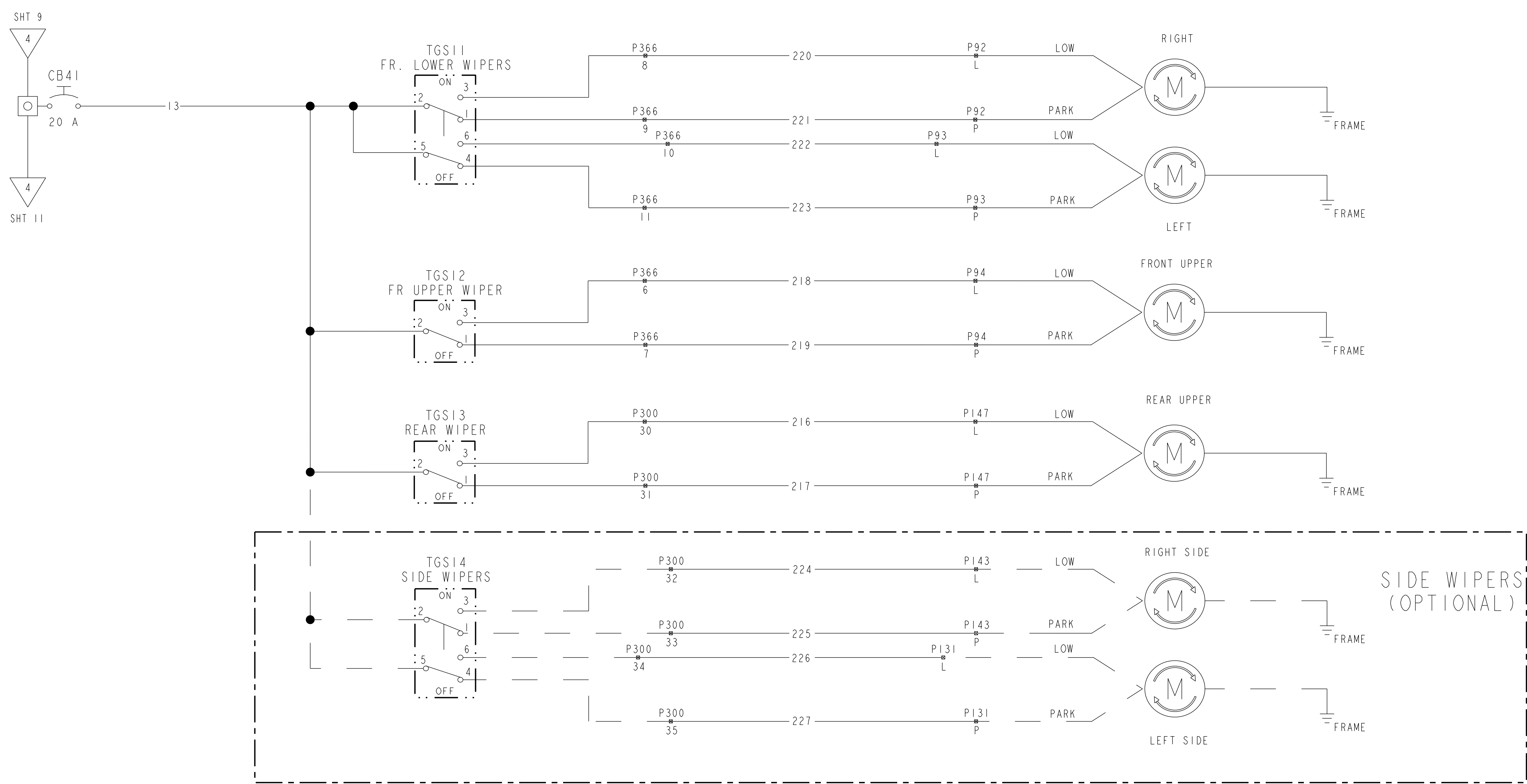
CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	
PLANE ANGLES ± 1°		SHEET 8		OF 26	



S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010		DESCRIPTION: SCHEMATIC, ELECTRICAL			
SIZE	SCALE	DRAWING CODE NUMBER		REV.	
D	NTS	97801002DWG		-	
PLANE ANGLES ± 1°		ASSEMBLY: -		SHEET 9 OF 26	

REVISION HISTORY
LOCATED ON LAST
SHEET



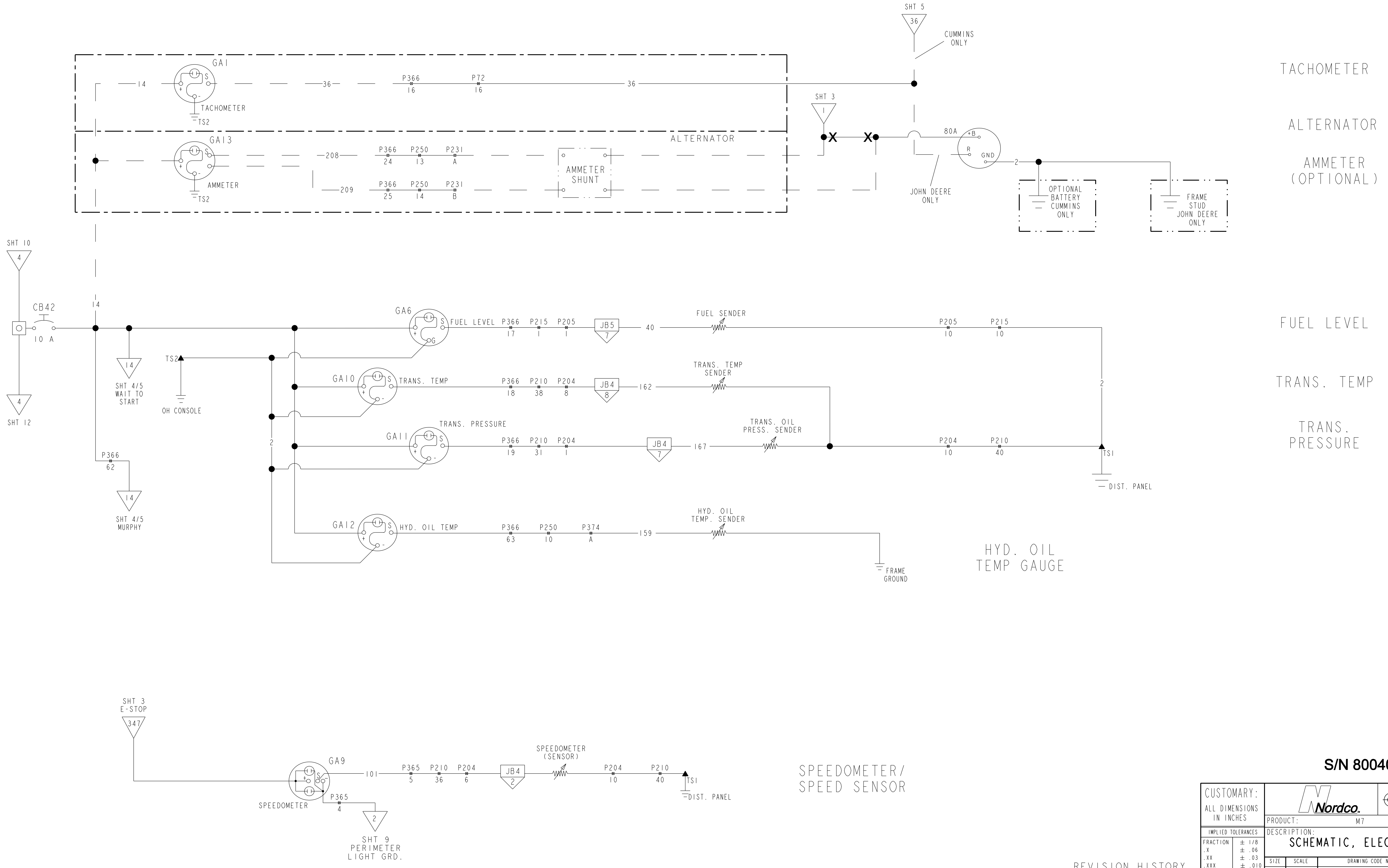
WINDSHIELD WIPERS

SIDE WIPERS (OPTIONAL)

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 10 OF 26
PLANE ANGLES +/- 1°					



TACHOMETER
 ALTERNATOR
 AMMETER (OPTIONAL)
 FUEL LEVEL
 TRANS. TEMP
 TRANS. PRESSURE

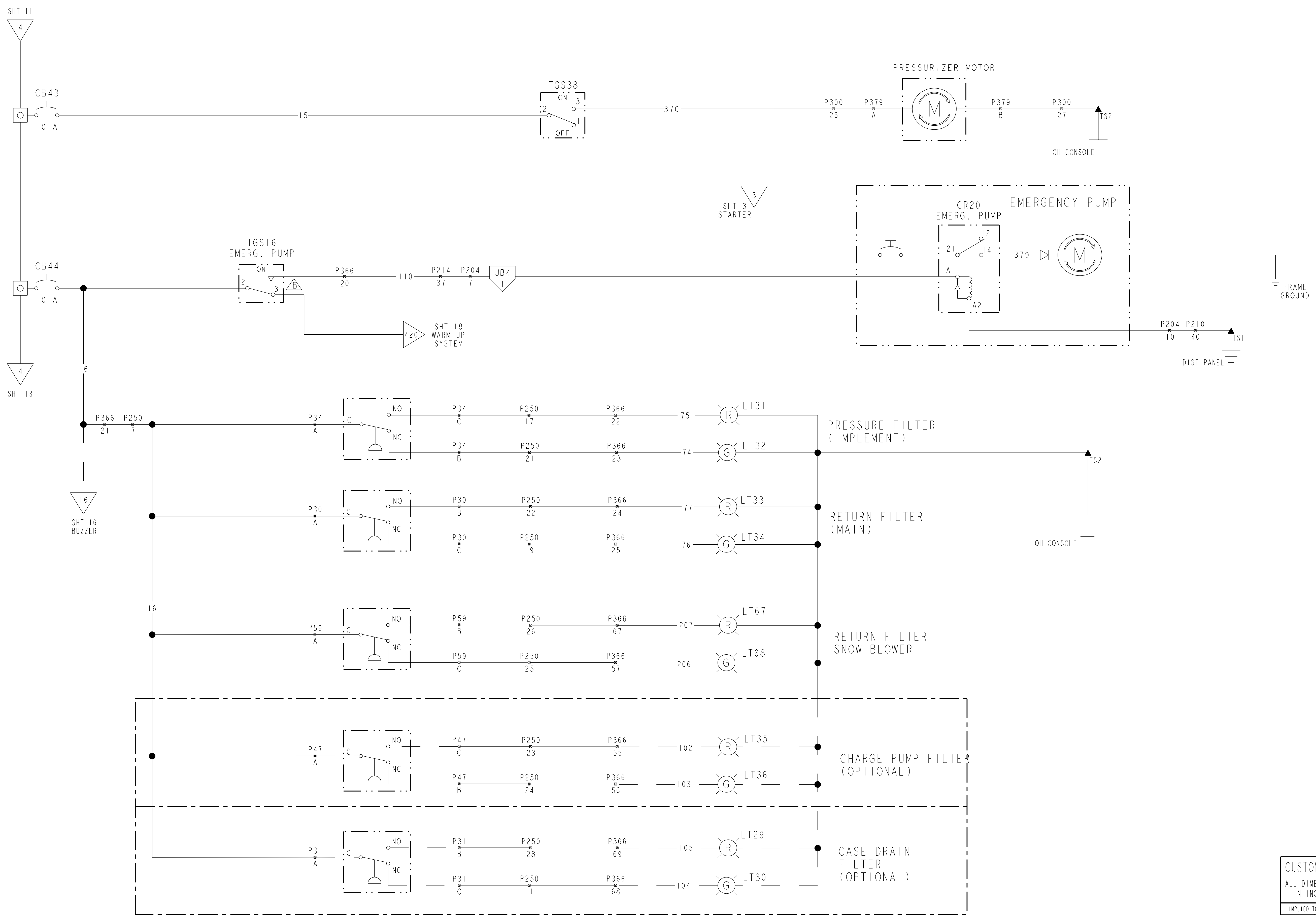
HYD. OIL TEMP GAUGE

SPEEDOMETER / SPEED SENSOR

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

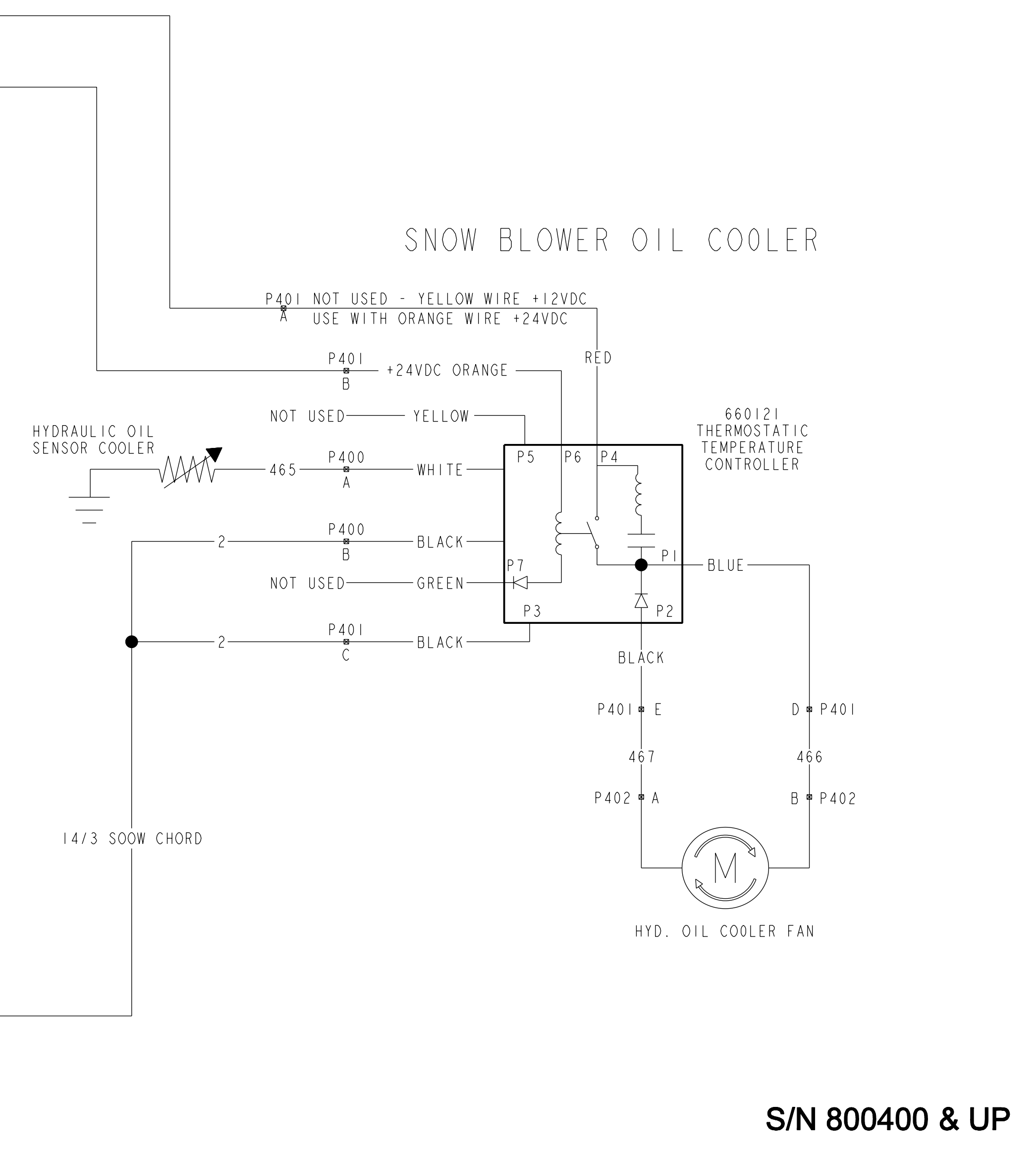
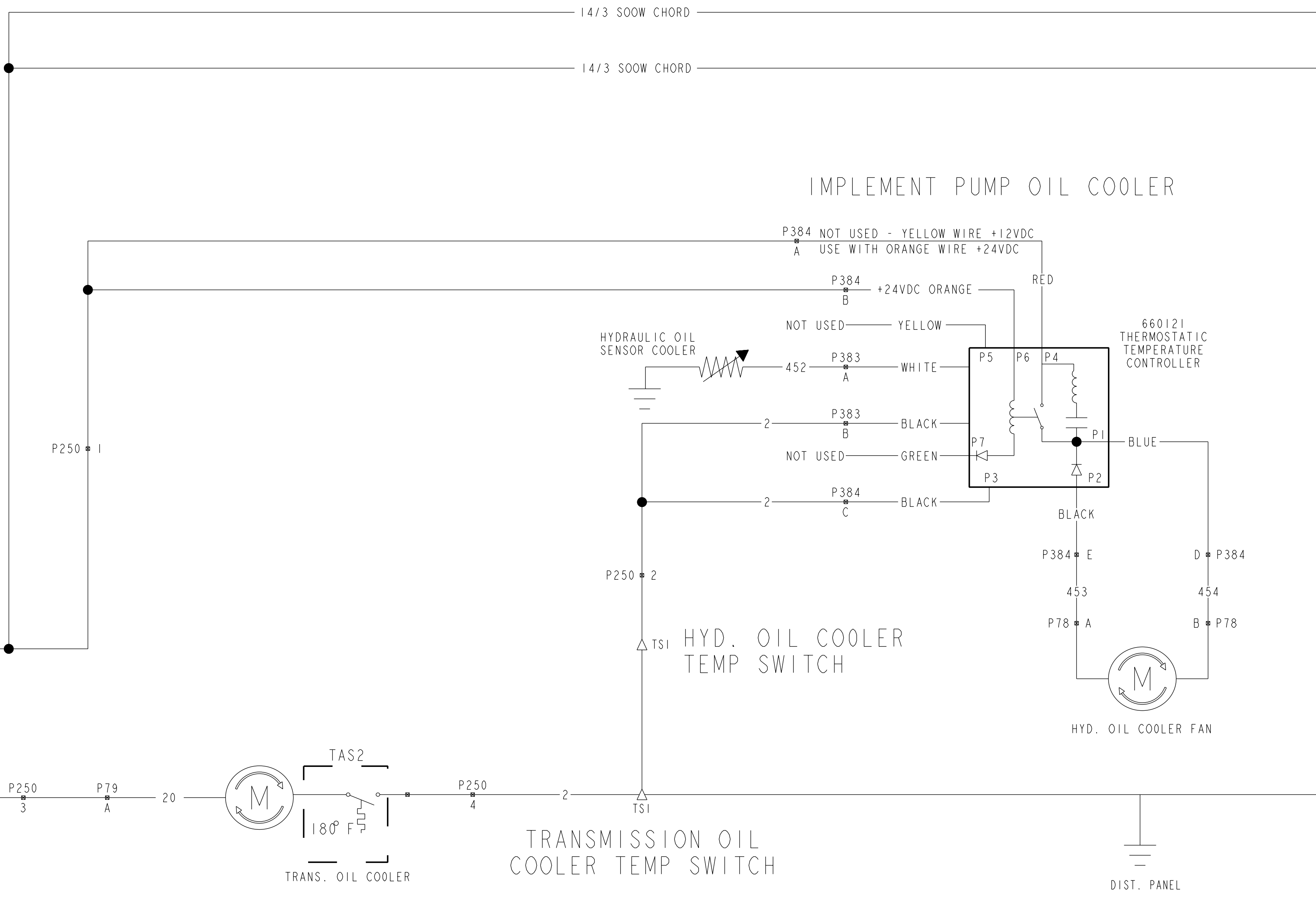
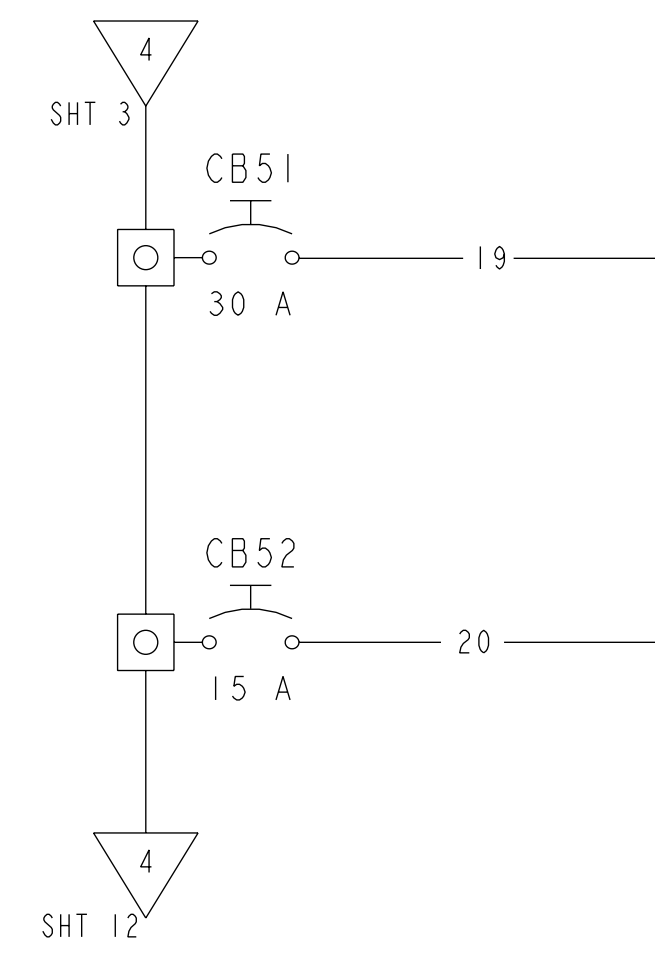
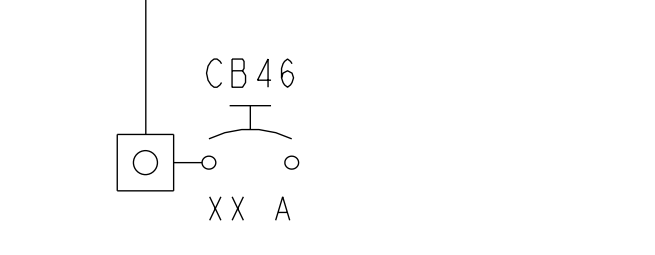
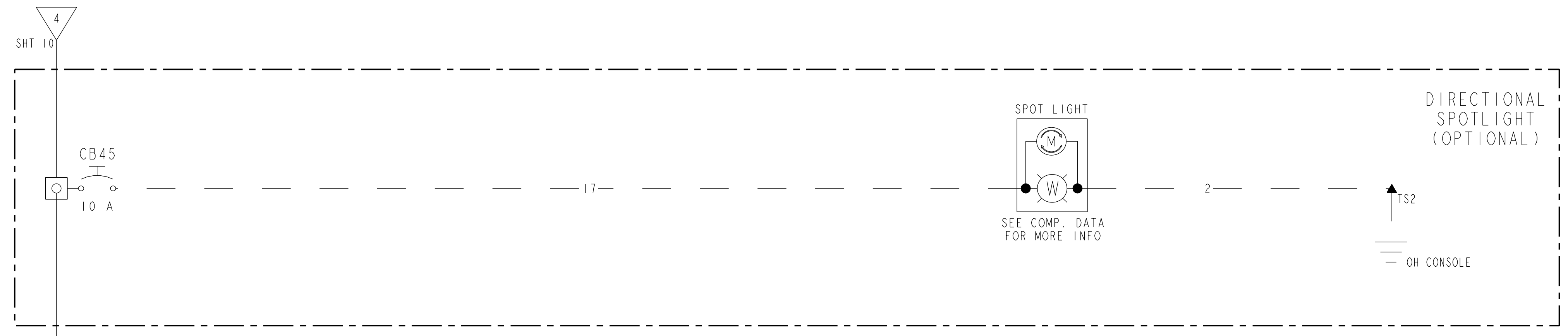
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.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 11 OF 26	
PLANE ANGLES ± 1°		ASSEMBLY: -			



S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

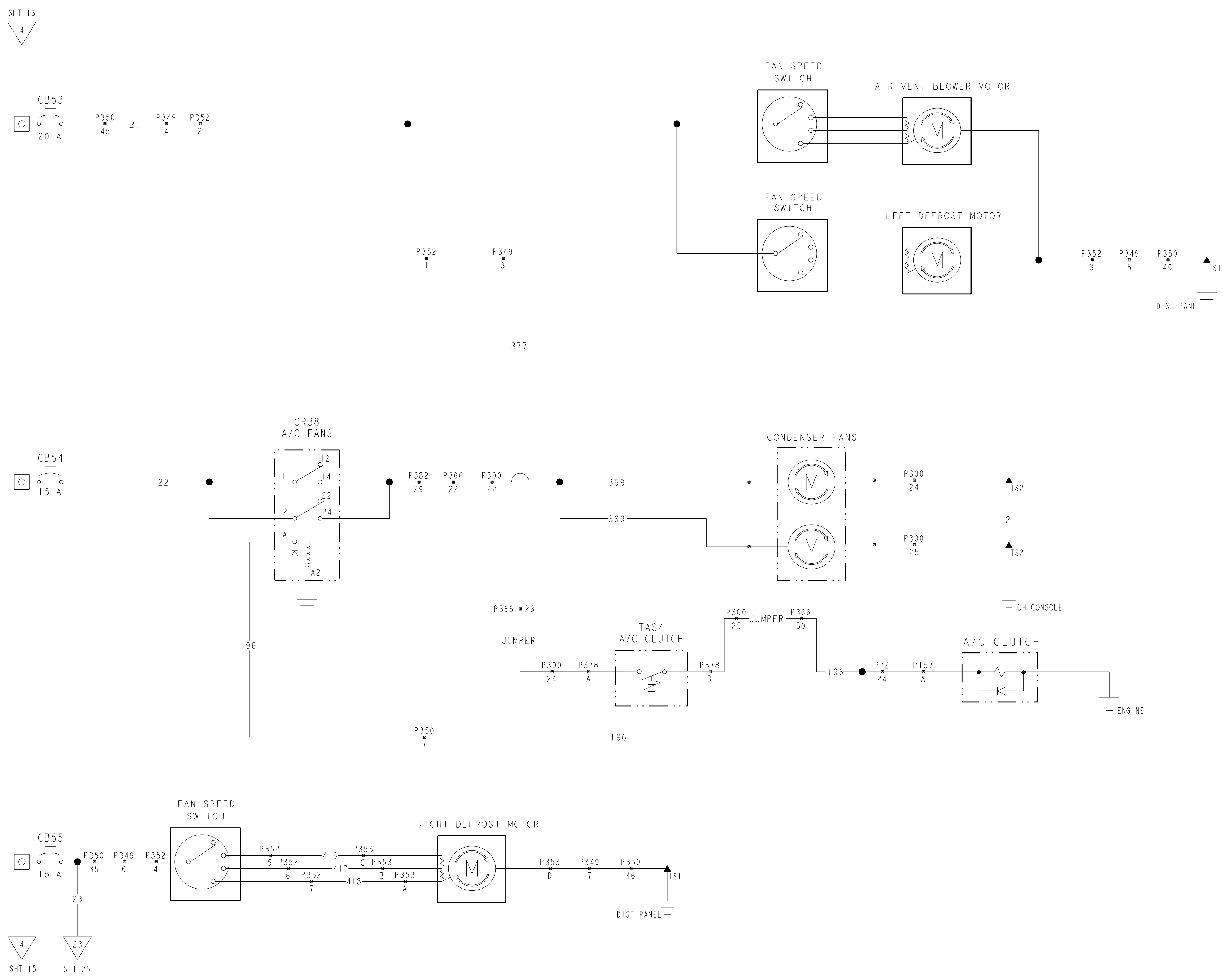
CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	PLANE ANGLES ± 1°		ASSEMBLY: -	SHEET 12 OF 26



S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	
PLANE ANGLES +/- 1°		SHEET 13 OF 26			

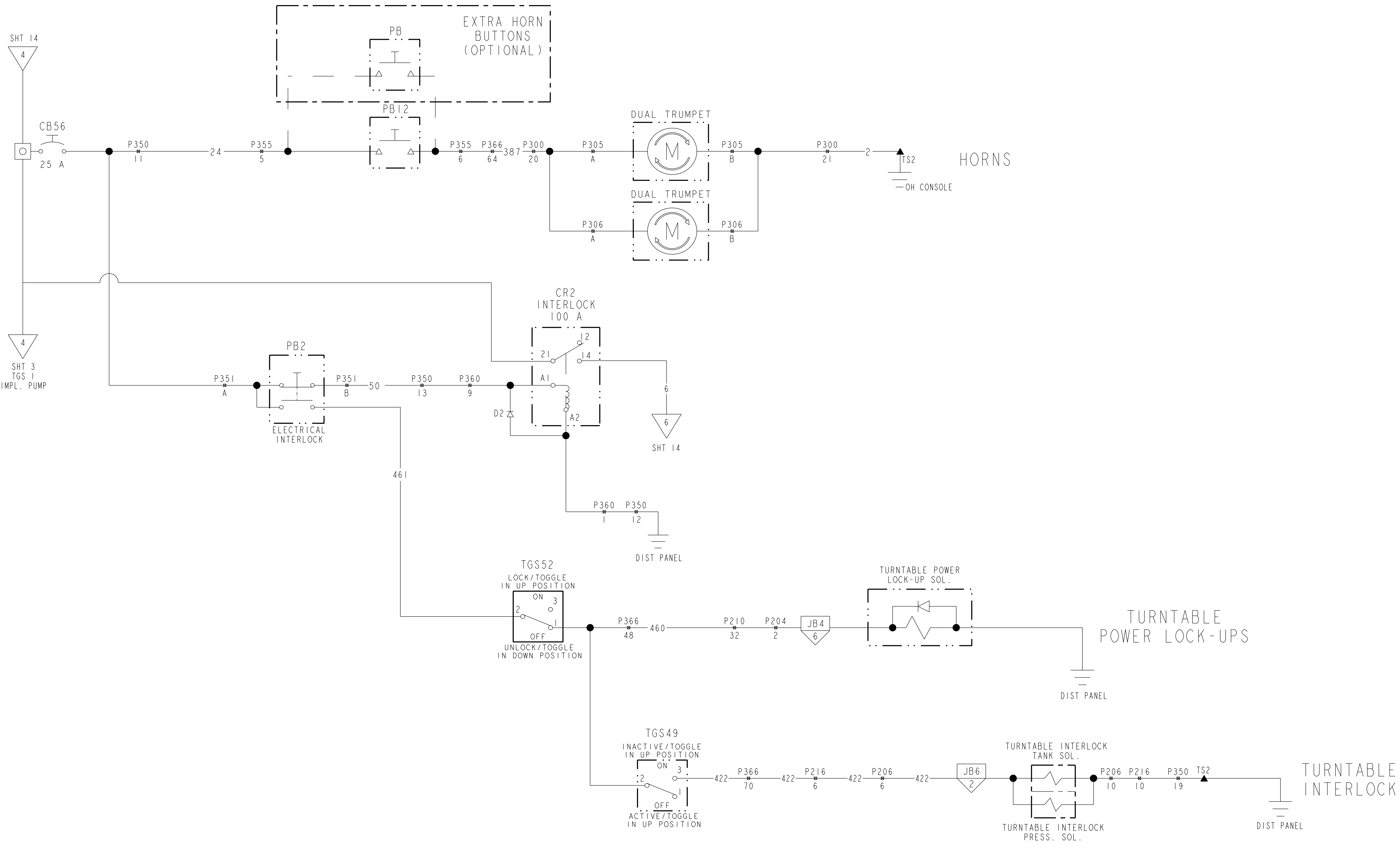


AIR CONDITIONER & DEFROST

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

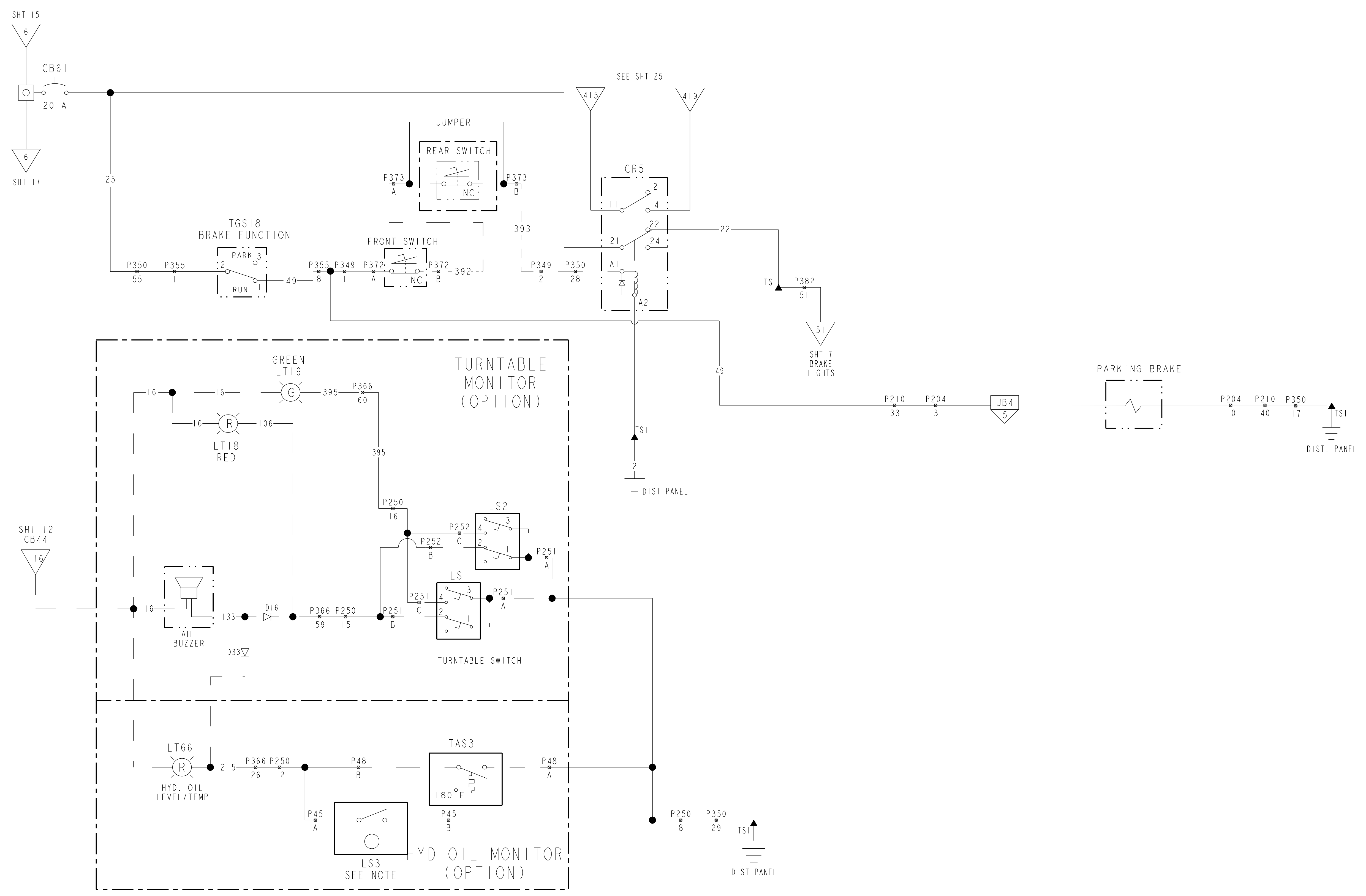
CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
DESCRIPTION: SCHEMATIC, ELECTRICAL					
FRACTION	± 1/8	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.X	± .06	D	NTS	97801002DWG	-
.XX	± .03				
.XXX	± .010				
PLANE ANGLES ±1°-1'		ASSEMBLY: -		SHEET 14 OF 26	



S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 15 OF 26
PLANE ANGLES ± 1°					

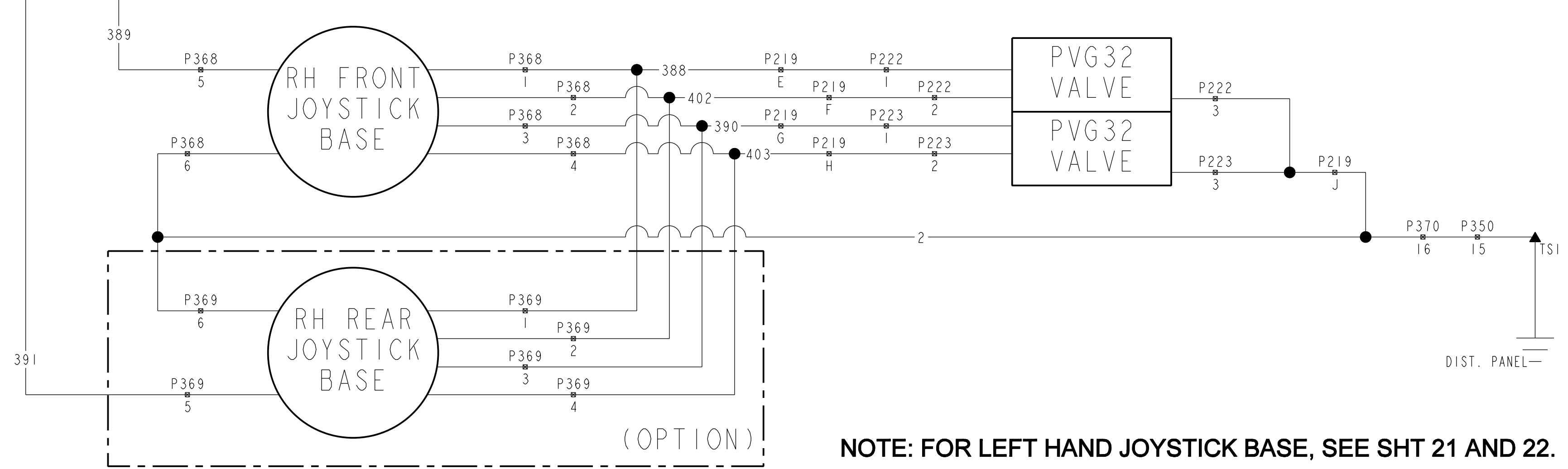
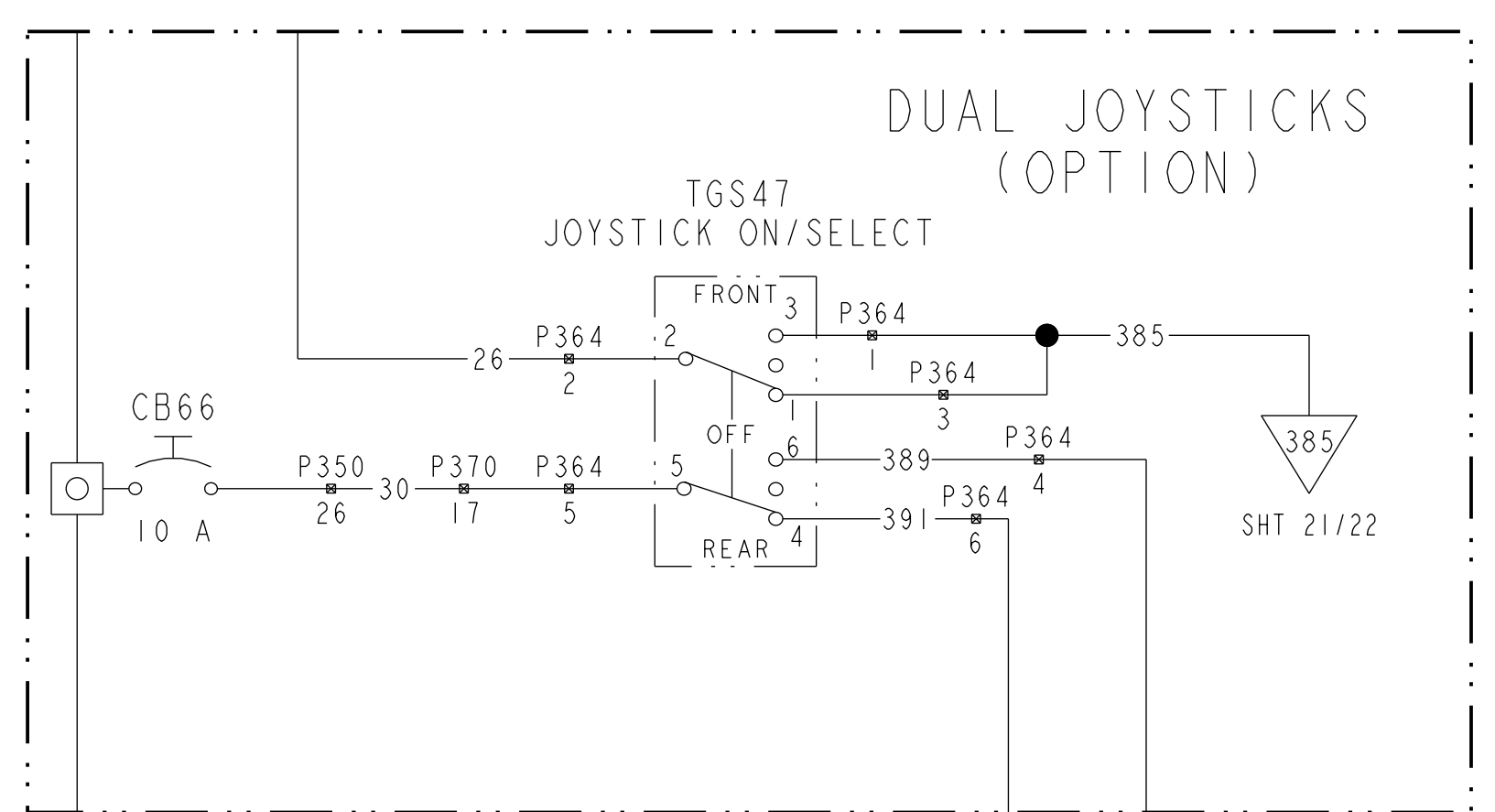
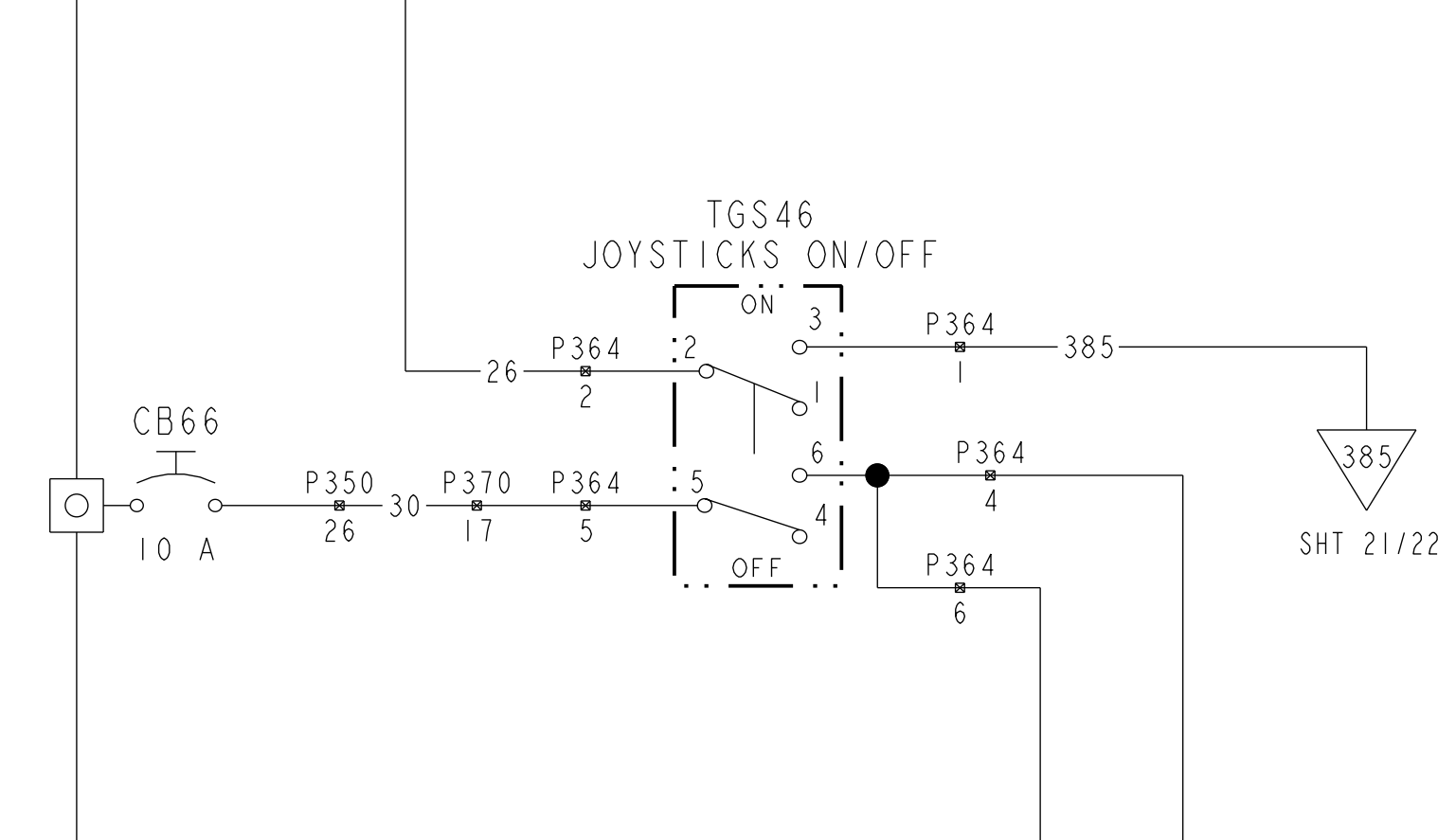
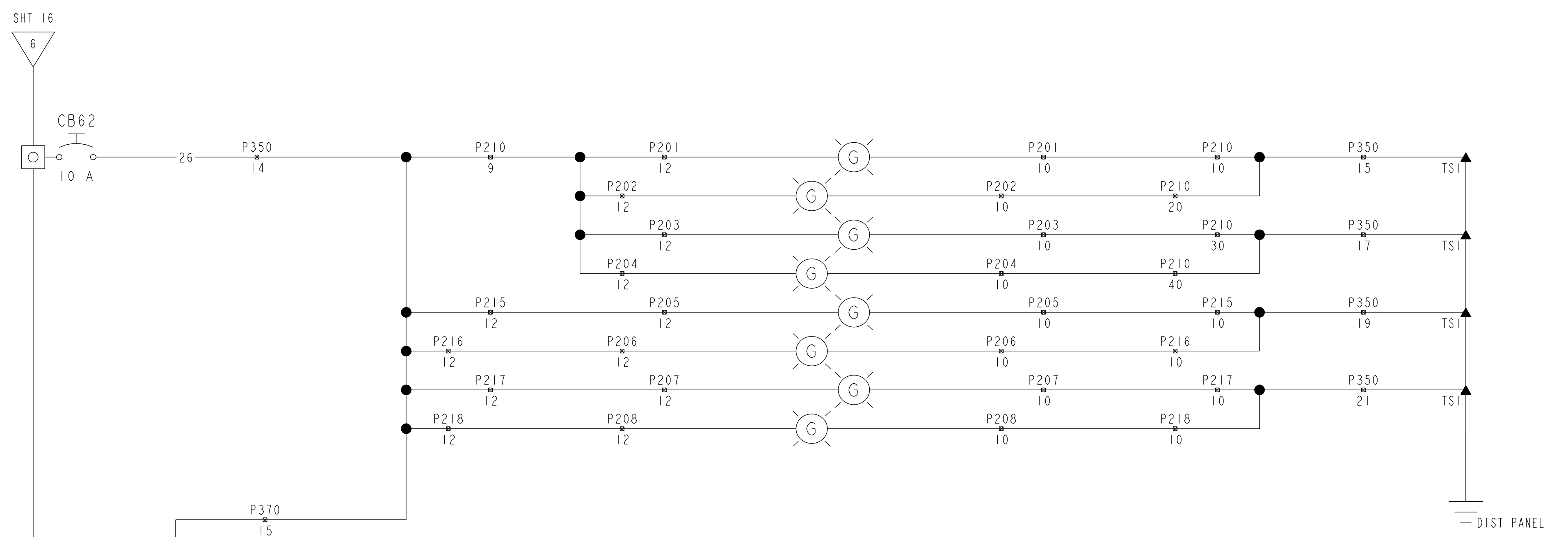
REVISION HISTORY
LOCATED ON LAST
SHEET



S/N 800400 & UP

REVISION HISTORY
LOCATED ON LAST
SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	
PLANE ANGLES ± 1°		SHEET 16 OF 26			

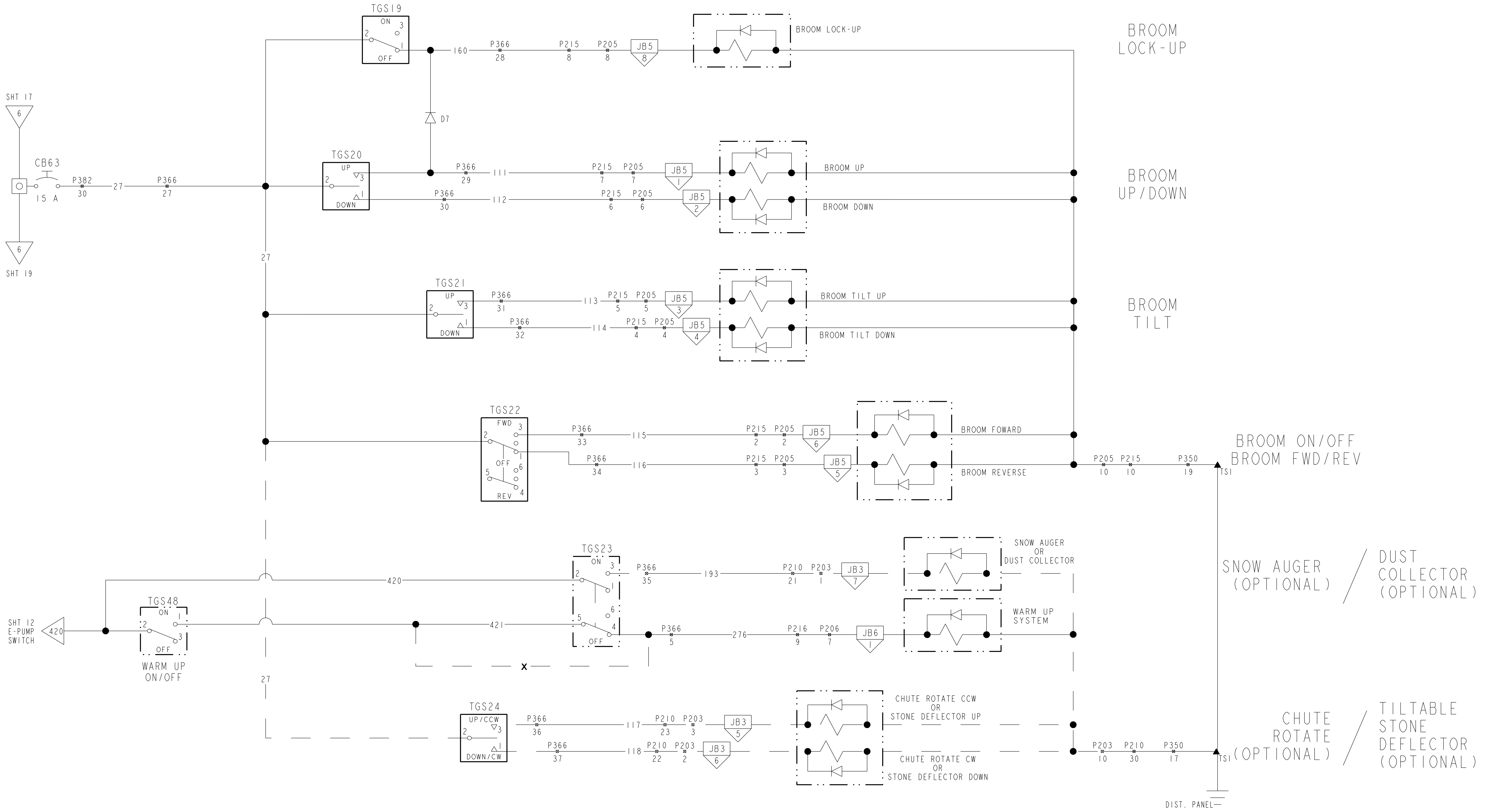


NOTE: FOR LEFT HAND JOYSTICK BASE, SEE SHT 21 AND 22.

REVISION HISTORY LOCATED ON LAST SHEET

S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	PLANE ANGLES ± 1°		ASSEMBLY: -	SHEET 17 OF 26

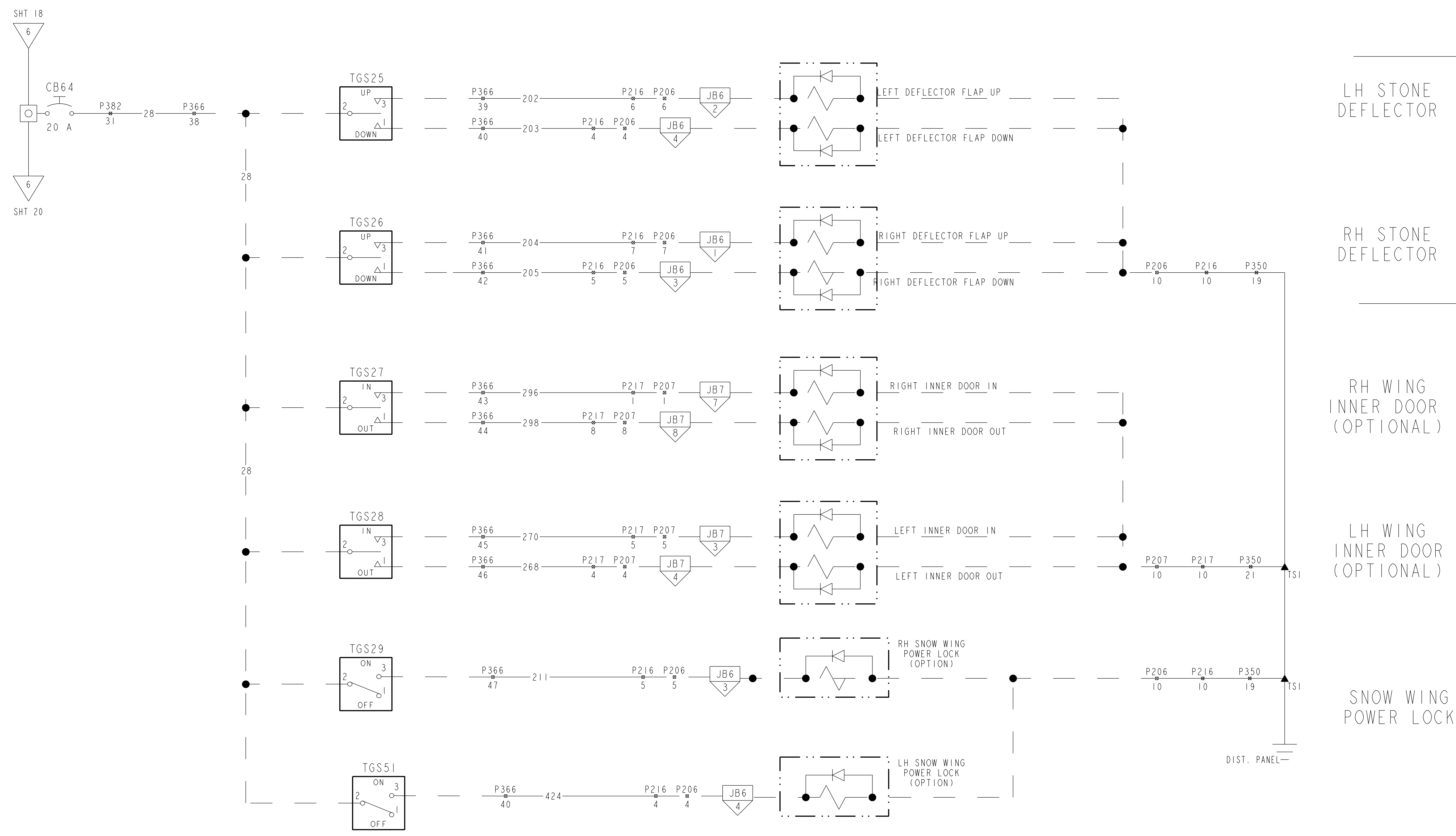


BROOM LOCK-UP
 BROOM UP/DOWN
 BROOM TILT
 BROOM ON/OFF
 BROOM FWD/REV
 SNOW AUGER (OPTIONAL) / DUST COLLECTOR (OPTIONAL)
 WARM UP SYSTEM
 CHUTE ROTATE CCW OR STONE DEFLECTOR UP
 CHUTE ROTATE CW OR STONE DEFLECTOR DOWN
 TILTABLE STONE DEFLECTOR (OPTIONAL)

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
DESCRIPTION: SCHEMATIC, ELECTRICAL					
FRACTION	± 1/8	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.X	± .06	D	NTS	97801002DWG	-
.XX	± .03				
.XXX	± .010				
MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -			
PLANE ANGLES +/- 1°		SHEET 18 OF 26			



LH STONE DEFLECTOR
RH STONE DEFLECTOR
FLAPS (OPTIONAL)

RH WING INNER DOOR (OPTIONAL)
LH WING INNER DOOR (OPTIONAL)

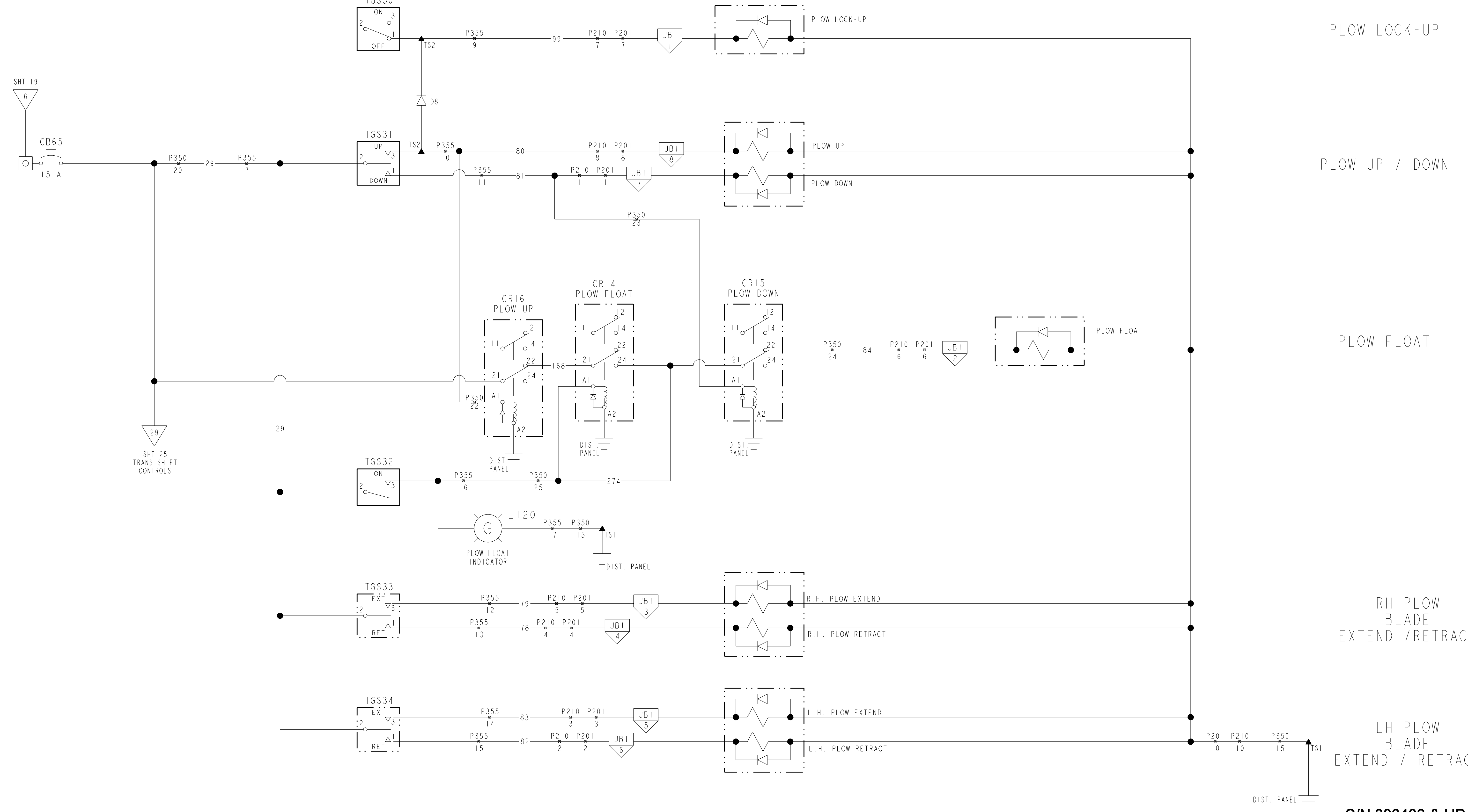
SNOW WING POWER LOCK

DIST. PANEL

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	
PLANE ANGLES ± 1°		SHEET 19 OF 26			



PLOW LOCK-UP

PLOW UP / DOWN

PLOW FLOAT

R.H. PLOW BLADE EXTEND / RETRACT

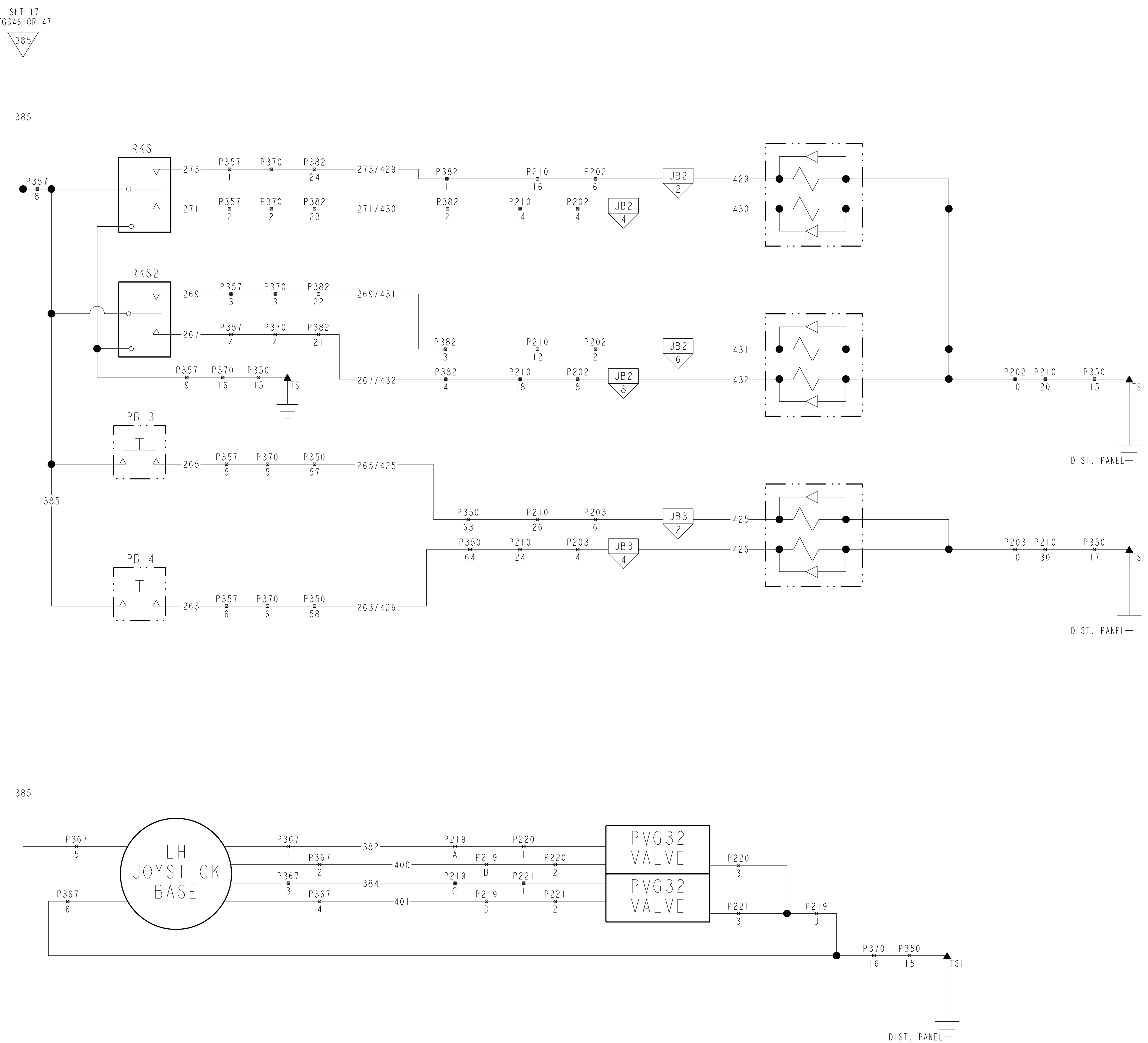
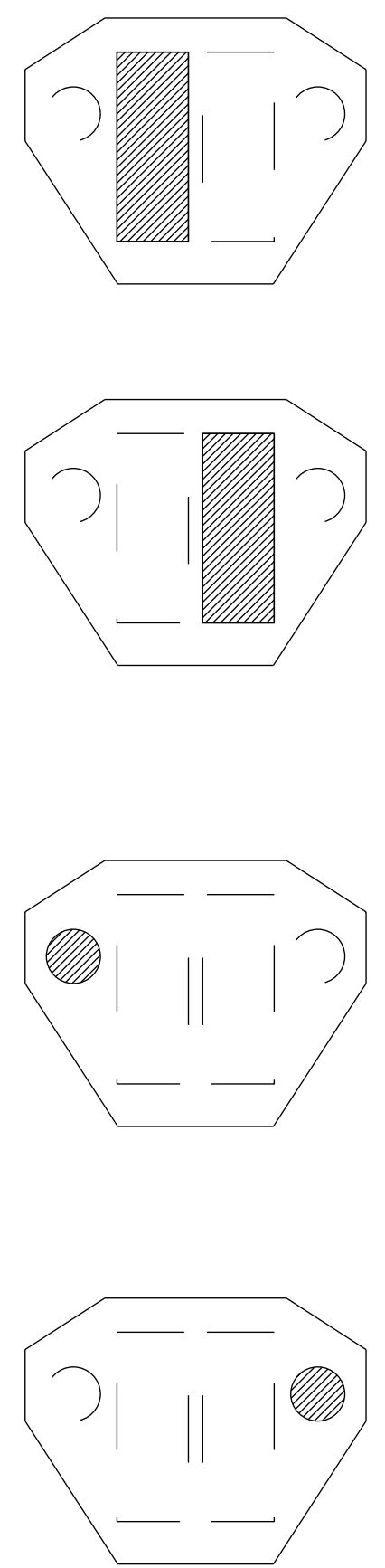
L.H. PLOW BLADE EXTEND / RETRACT

S/N 800400 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 20 OF 26
PLANE ANGLES +/- 1°					

SHT 17
TGS46 OR 47



LH FRONT
TEMP DOOR

ARTICULATED
TEMPLATE
DOOR OPTION

LH REAR
TEMP DOOR

LH TILT

LH
JOYSTICK
BASE

PVG32
VALVE
PVG32
VALVE

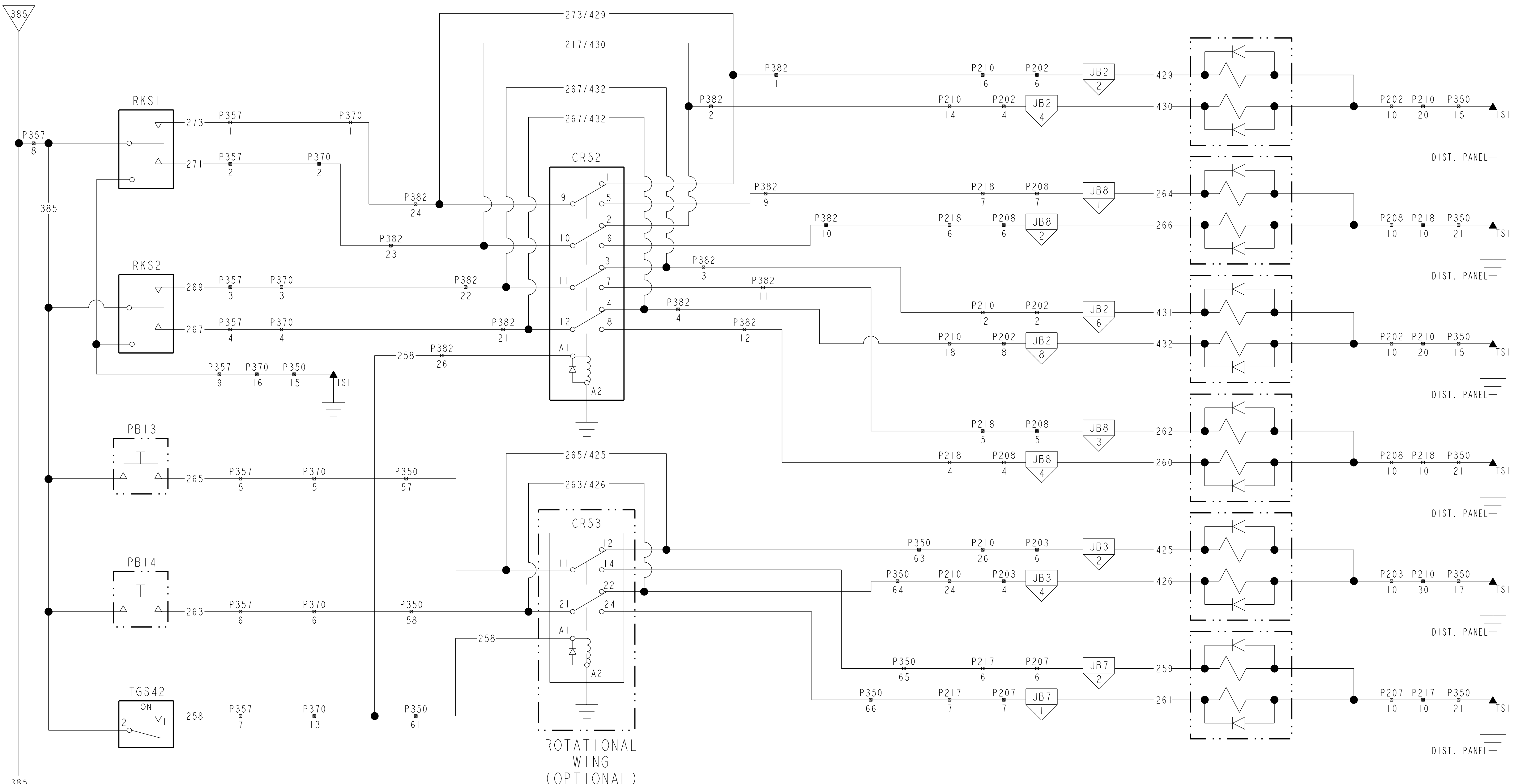
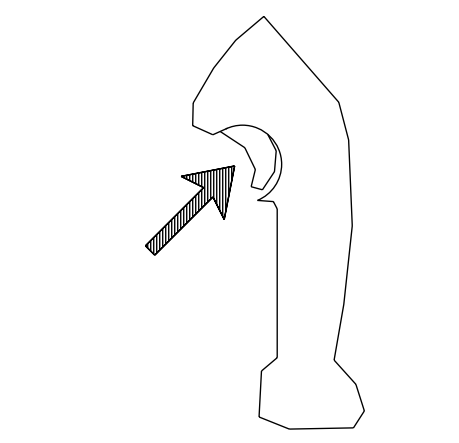
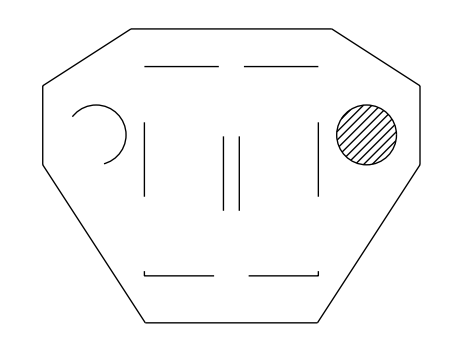
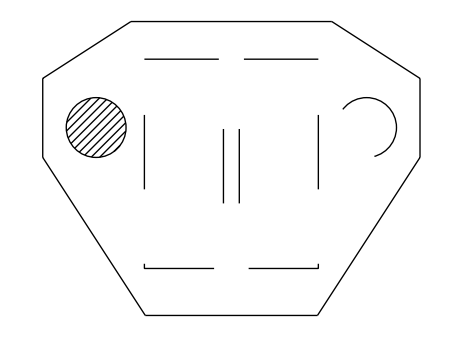
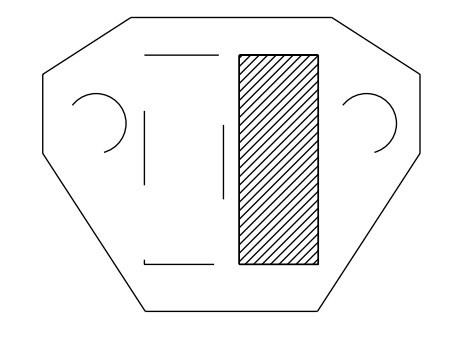
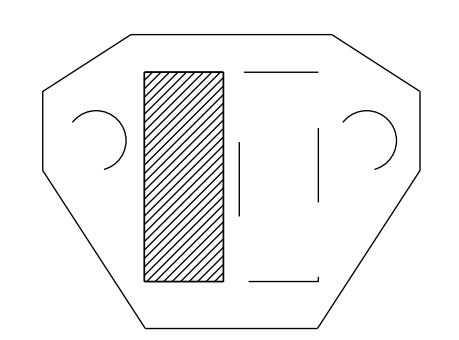
NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 17.

S/N 800400 & UP

REVISION HISTORY
LOCATED ON LAST
SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	PLANE ANGLES +/- 1°		ASSEMBLY: -	SHEET 21 OF 26

SHT 17
TGS46 OR 47
385



LH FRONT
TEMP DOOR

LH FRONT
ARTIC. DOOR
(OPTIONAL)

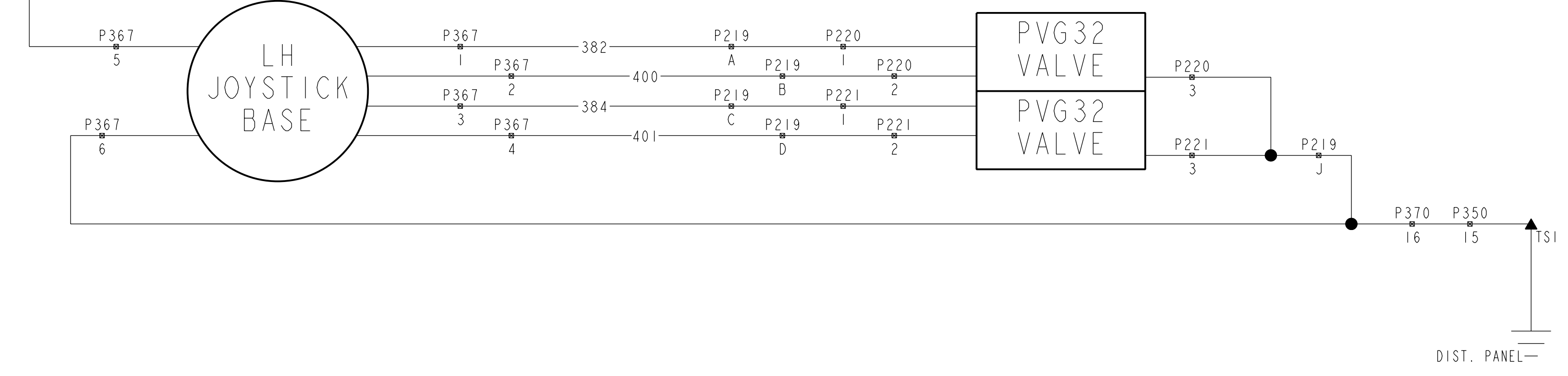
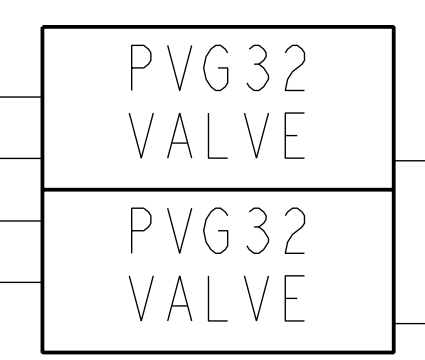
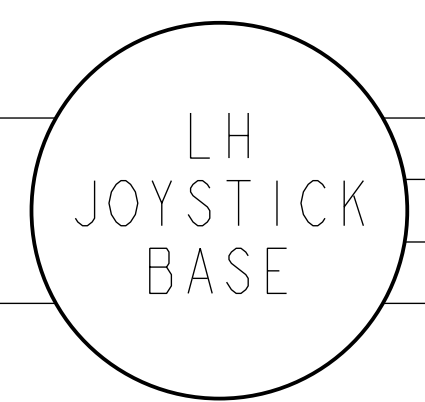
LH REAR
TEMP DOOR

LH REAR
ARTIC. DOOR
(OPTIONAL)

LH OUTER
DOOR TILT

LH OUTER
DOOR ROTATE
(OPTIONAL)

ROTATIONAL
WING
(OPTIONAL)

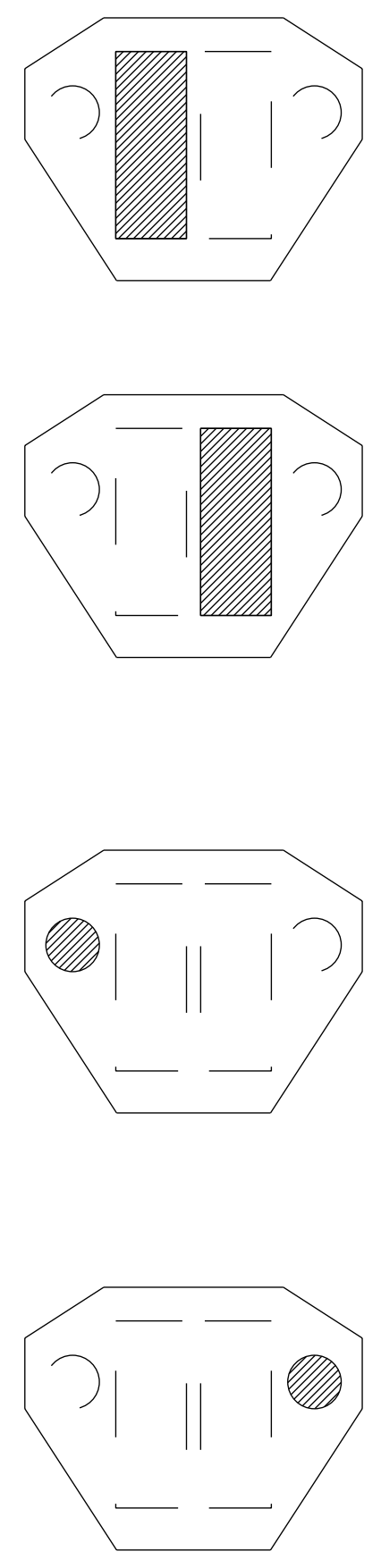
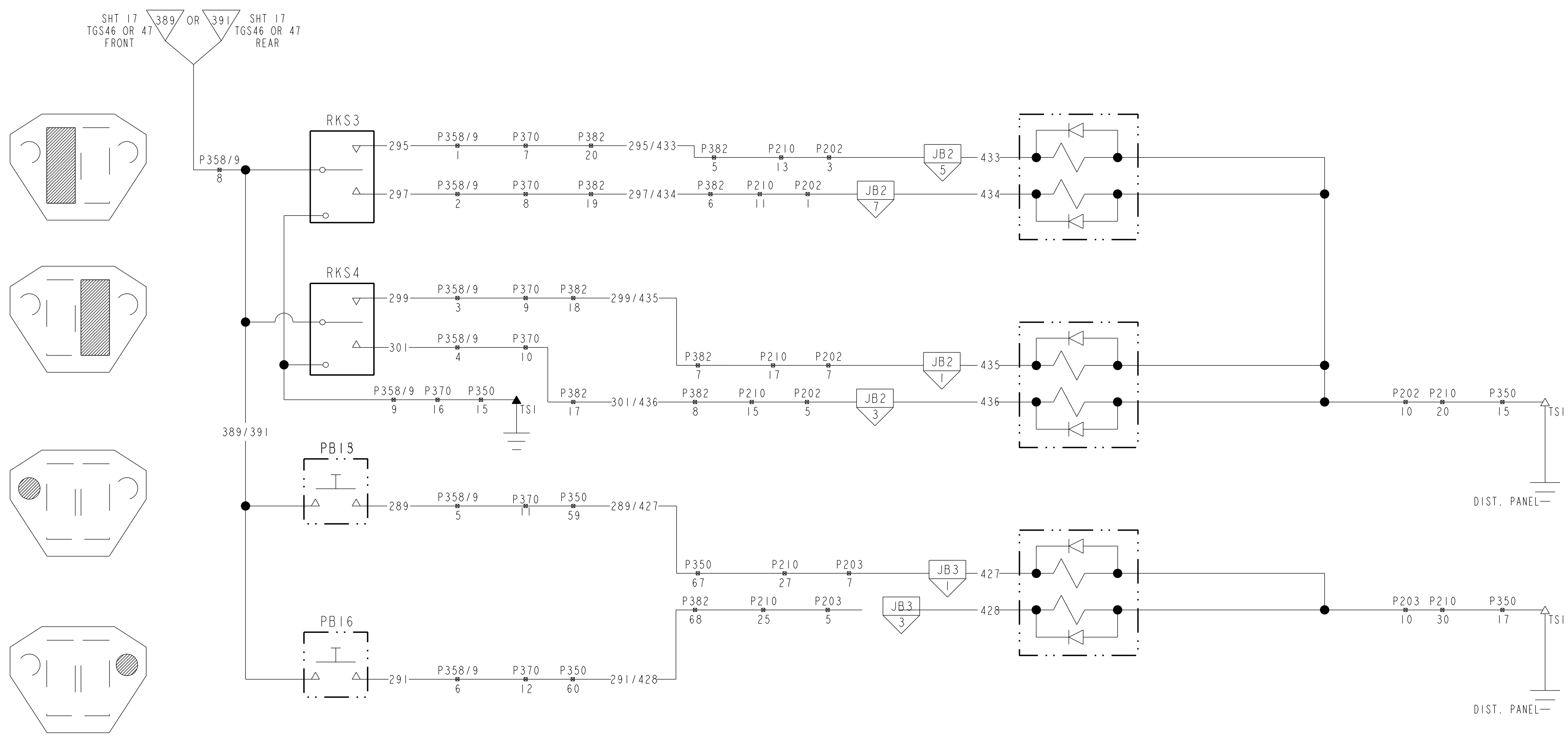


NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 17.

S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		 PRODUCT: M7 DESCRIPTION: SCHEMATIC, ELECTRICAL	THIRD ANGLE PROJECTION		
IMPLIED TOLERANCES			SIZE	SCALE	DRAWING CODE NUMBER
FRACTION	± 1/8	D	NTS	97801002DWG	REV.:
.X	± .06				-
.XX	± .03				
.XXX	± .010				
MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -		SHEET 22 OF 26	
PLANE ANGLES +/- 1°					

REVISION HISTORY
LOCATED ON LAST
SHEET



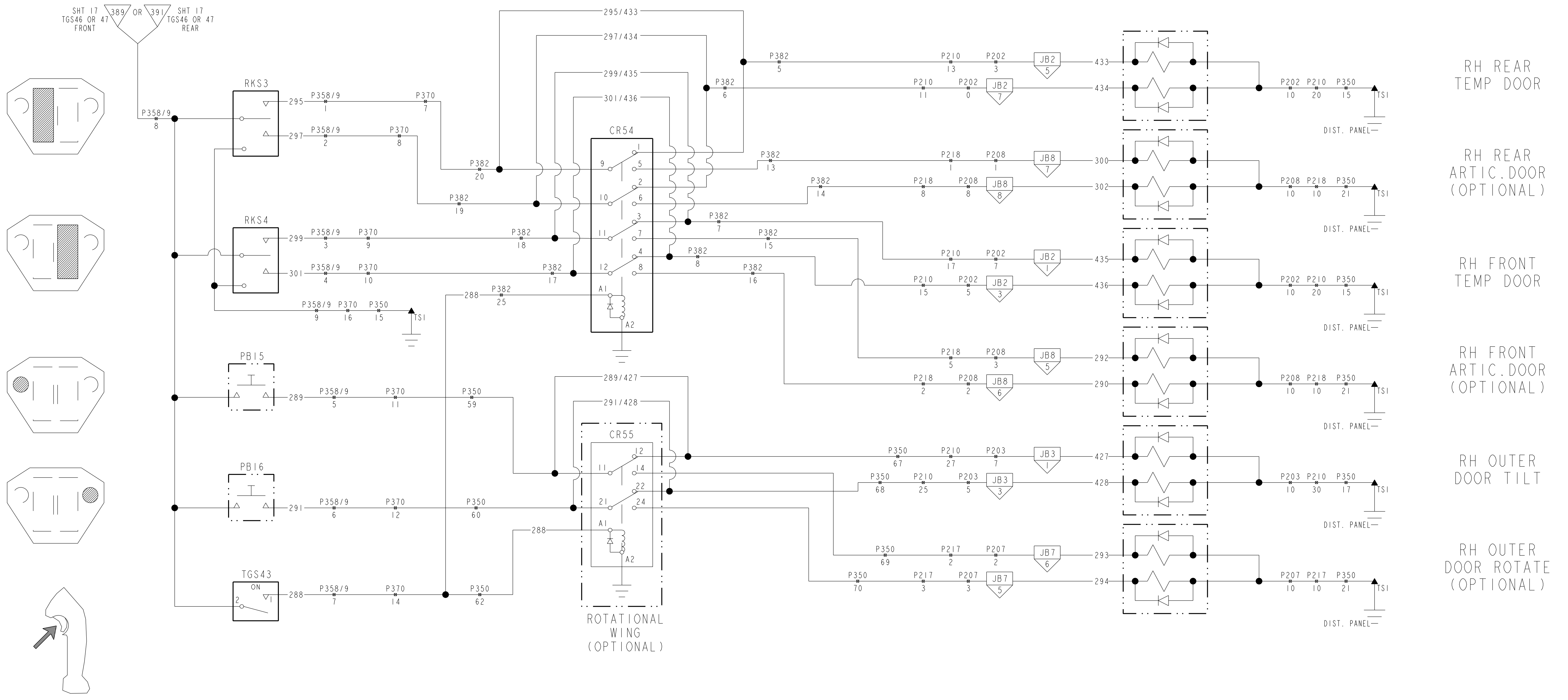
RH REAR TEMP DOOR
 RH FRONT TEMP DOOR
 RH TILT
 ARTICULATED TEMPLATE DOOR OPTION

NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 17.

S/N 800400 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	PLANE ANGLES ±1-1°		ASSEMBLY: -	SHEET 23 OF 26

REVISION HISTORY LOCATED ON LAST SHEET

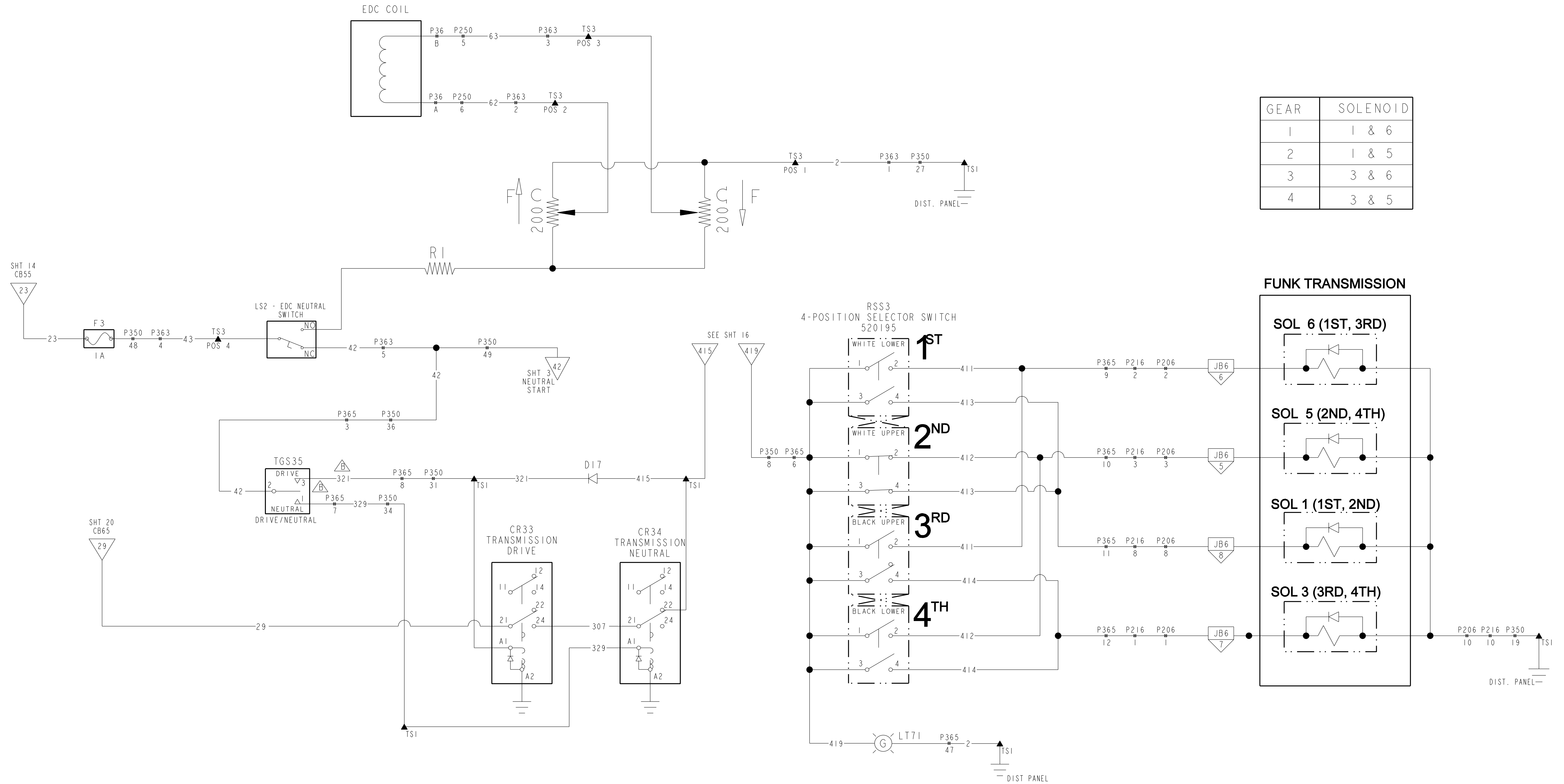


NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 17.

S/N 800400 & UP

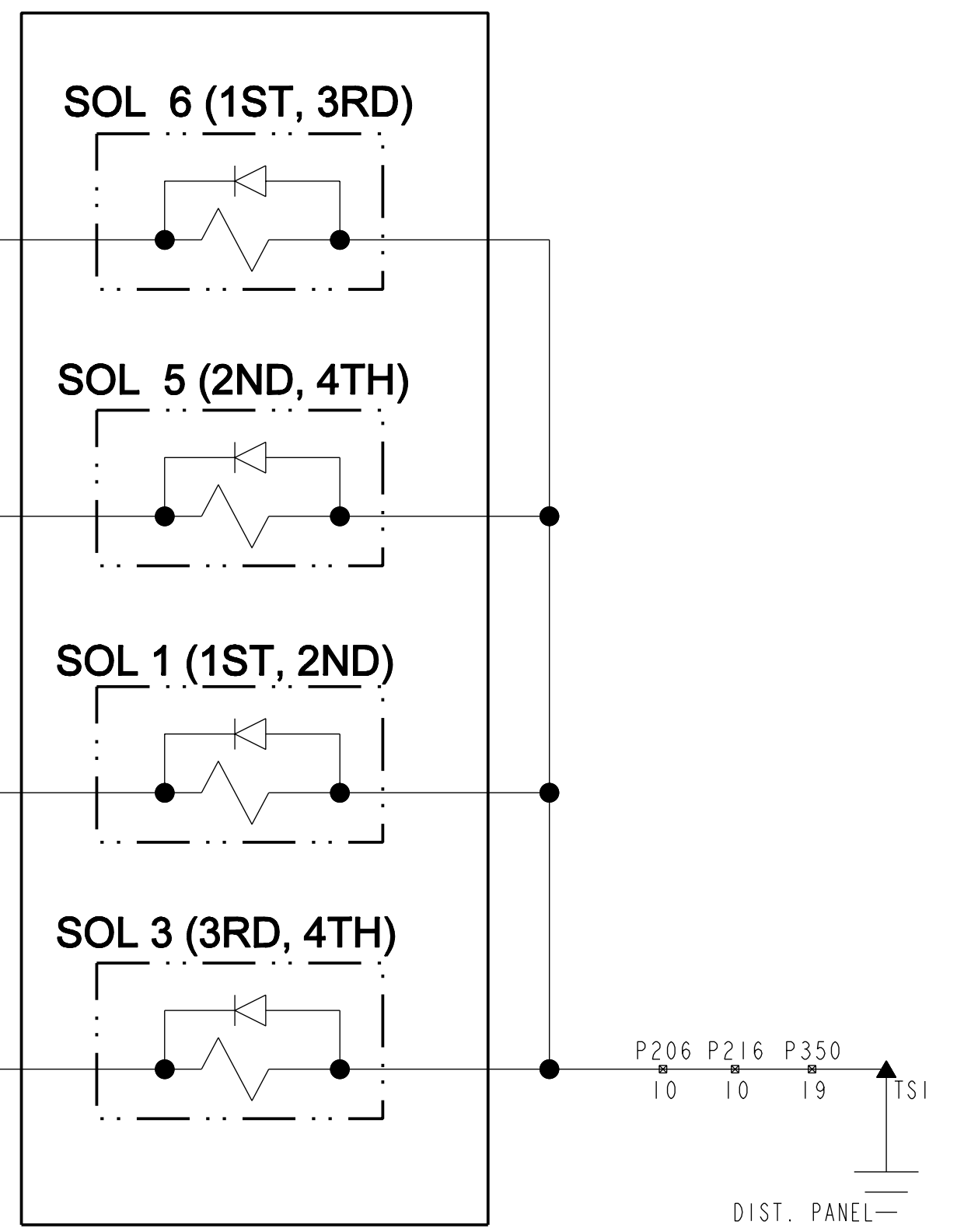
REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 24 OF 26	
PLANE ANGLES +/- 1°		ASSEMBLY: -			

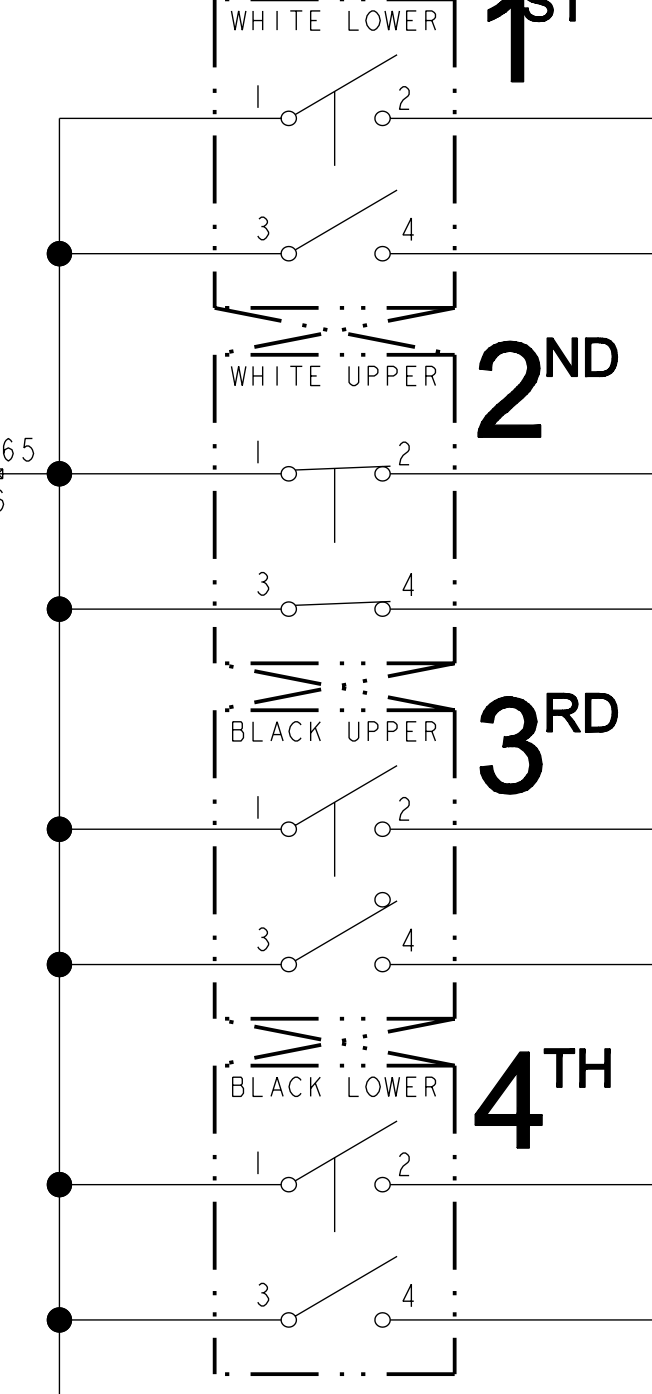


GEAR	SOLENOID
1	1 & 6
2	1 & 5
3	3 & 6
4	3 & 5

FUNK TRANSMISSION



**RSS3
4-POSITION SELECTOR SWITCH
520195**



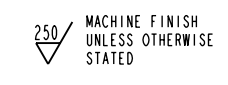


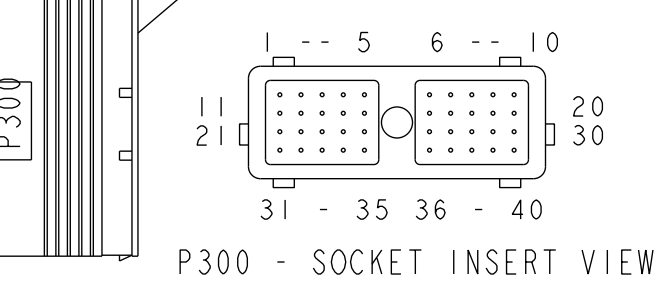
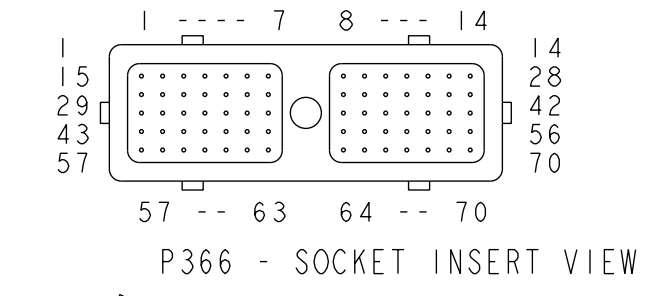
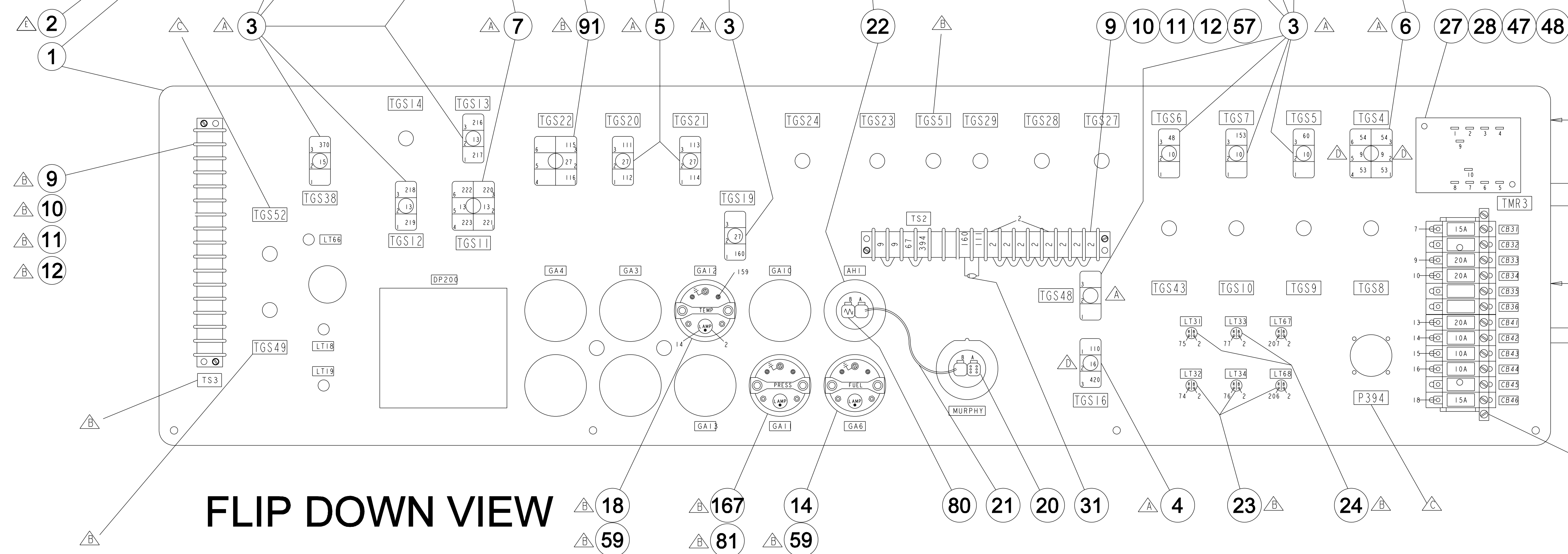
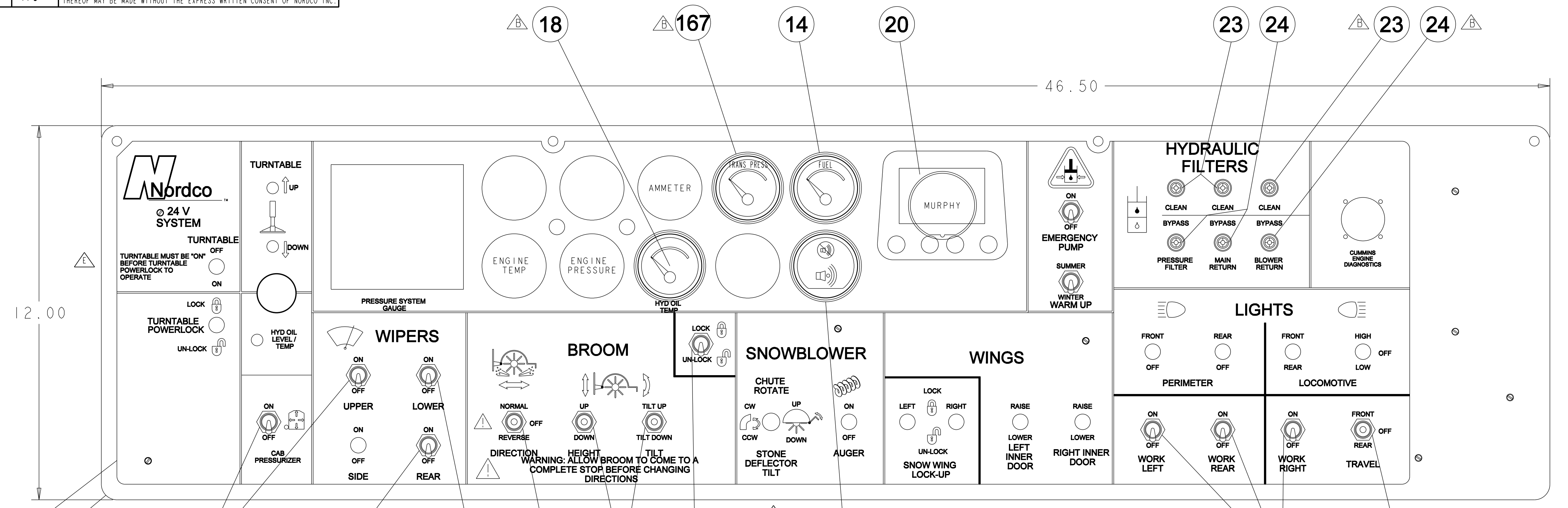
S/N 800400 & UP

REVISION HISTORY
LOCATED ON LAST
SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	NTS	97801002DWG	-
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 25 OF 26	
PLANE ANGLES +/- 1°		ASSEMBLY: -			

ECO	54554	REV -	
DRAWN BY:	DLS 02/13/09	CHECKED BY:	APPROVED BY:
SHEET	CHANGE		
ALL	NEW ISSUE		

CUSTOMARY: ALL DIMENSIONS IN INCHES				
	PRODUCT: M7			
IMPLIED TOLERANCES	DESCRIPTION: SCHEMATIC, ELECTRICAL			
FRACTION	± 1/8	SIZE	SCALE	DRAWING CODE NUMBER
.X	± .06	D NTS	97801002DWG	REV:
.XX	± .03			-
.XXX	± .010			
	MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -		SHEET 26 OF 26
PLANE ANGLES +/- 1°				



FLIP DOWN VIEW

TGS52 & P394 LABELS ADDED. CP 27-OCT-08 JW, 14-NOV-08 80050		CUSTOMARY: ALL DIMENSIONS IN INCHES IMPLIED TOLERANCES FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010 MACHINE FINISH UNLESS OTHERWISE STATED PLANE ANGLES +/- 1°	THIRD ANGLE PROJECTION PRODUCT: M7 DESCRIPTION: ASSY, OH CONSOLE SIZE: D SCALE: 1/2 DRAWING CODE NUMBER: 520207 REV: E
REMOVED ITEMS 16, 17, (1)x 7, (1)x 12, 18, (1)x 23, (1)x 24, 59, 81, 87, 167 & 193. TGS49, TGS51 AND TS3. ADDED ITEM 91 WAS 9. CP 22-APR-08 MK 24-JUL-08			
UPDATED ITEM 2 BY ADDING "STONE DEFLECTOR TILT" OPTION WITH GRAPHICS TO SNOW BLOWER SECTION AND RE-ORIENTATED CHUTE ROTATE. CHANGED "TURNTABLE" TEXT LOCATION & TEXT. ADDED NOTE FOR POWERLOCK, AND SWITCHED "ON" AND "OFF" TEXT. DLS 17-MAR-09 600020		ADDED BALLOON FOR ITEM 5. FLIPPED POSITIONS OF ITEMS 3, 4, 5, 6 & 7. ADDED (1)x ITEM 7, TGS23. ADDED (1)x ITEM 3, TGS 48. REMOVED ITEMS 88 & 89. REMOVED TMR4, TMR5, LT29, LT30, LT35 & LT36. CP 17-SEP-07 AJB 17-SEP-07	
TGS16, 1 & 3 REVERSED. TGS4, 53 & 54 REVERSED. CP 11-FEB-09 SR, 18-MAR-09 80099		NEW ISSUE CP 22-SEP-06 CP, 22-SEP-06 80099	
WF REV CHANGE DATE:	DRAWN BY: DATE: CHECKED BY: DATE: DATE:	DATE: DATE: DATE:	E.C.O. # WF REV CHANGE DATE:

BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700341	1	PANEL, OH CONSOLE (11 GA.)	
2	690142	1	PLAQUE, OH CONSOLE	
△A	3	5125 587	8 SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS5,6,7,12,13,19,38,48
4	5125 592	1	SWITCH, TOGGLE CH#8500K11 SPDT (ON)-ON	TGS16
5	5125 590	2	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS20,21
△B	6	5125 586	1 SWITCH, TOGGLE CH#8501K1 DPDT ON-OFF-ON	TGS4
△B, △A	7	5125 579	1 SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS11
△B	9	7648 4503	2 TERMINAL STRIP CINCH #16-140 TB2	TS2, TS3
△B	10	2837 349	4 SCREW, RD. HD. MACHINE #6-32 x 3/4 LG	
△B	11	3048 028	4 NUT, HEX MACHINE SCREW #6-32	
△B	12	3064 452	4 WASHER, SPRING LOCK #6	
14	7139-24V	1	GAUGE, FUEL LEVEL DATCON #101584	GA6
△B	16			
△B	17			
△B	18	500638	1 GAUGE, HYDRAULIC OIL TEMPERATURE DATCON #100181	GA12
20	521001	1	INSTRUMENT, MURPHY POWerview PVI00-A	MURPHY
21	520212	1	HARNESS, POWerview JUMPER 12" LG, PVW-J MURPHY #78000122 OR EQUIV.	
22	520211	1	ALARM, MURPHY #PVAA20	AL1
△B	23	5190 921	3 LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33,67
△B	24	5190 918	3 LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34,68
△B, △A	27	7055 506	1 TIMER, 0.1...10 S SAAC ERDI 323	TMR3
△B, △A	28	2837 649	2 SCREW, RH HD MACHINE #10-24 x 1-1/4 LG	
31	2968 0018	1	DIODE, #IN5624	D7
36	5128 935	3	CIRCUIT BREAKER 10A ETA #1170-02-10A	CB42,43,44
37	5128 936	2	CIRCUIT BREAKER 15A ETA #1170-02-15A	CB31, 46
38	5128 937	3	CIRCUIT BREAKER 20A ETA #1170-02-20A	CB33,34,41
41	5158 448	2	END CLAMP, SQUARE D #9080MH10	
42	8194 1107	1	RAIL, RELAY MOUNTING, SQUARE D #9080MH339, CUT TO 7"	
46	2837 613	2	SCREW, RD HD MACHINE #10-24 X 3/8" LG	
47	3048 040	4	NUT, HEX MACHINE #10-24	
48	3064 458	4	WASHER, SPRING LOCK #10	
49	5311 0007	2	FUSE PANEL ETA #12-J20-60	
51	5104 995	1	BAR, BUSS, 13 POSITION ETA #Y30382411-13A	
52	3140 3662	1	INSULATOR, BUSS BAR ETA #Y30382410	
57	5159 050	AR	JUMPER CURTIS #140J1 OR EQUIV.	
△B	59	520062	2 LIGHT ADAPTER 24V TO 12V DATCON #06290-00	GA6, GA12
80	520213	1	RESISTOR, TERMINATING MURPHY PVJR, #78000128	R7
△B	81	61200106	2 RESISTOR, 12 GA ADAPTER STEWART WARNER #829525-2D	GA10, GA11
△B	87	5150175	2 LAMP, BULB 24V BAYONET GE #1873	GA10, GA11
△A	88			
△A	89			
△B	91	520276	1 SWITCH, TOGGLE HONEYWELL #2TL1-1A DPDT ON-OFF-ON	TGS22

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
104	5166 841	1	RECEPTACLE, 40-PIN DEUTSCH #DRC-14-40PA	P300
106	5166 851	1	RECEPTACLE, 70-PIN DEUTSCH #DRC-14-70PA	P366
127	5166 797	AR	PIN, 16 GA DEUTSCH #0460-202-16141	P300,366
△B	167	640063	1 GAUGE, TRANSMISSION PRESSURE STEWART WARNER #SWA 82136	GA12
185	5170 240	AR	CABLE TIES	
△B	193	G-173-24V	2 LIGHT KIT 24V CADEL #06294-00	GA6, GA12

△E	NO CHANGE THIS SHEET.	DLS	27-MAR-09	600020
△D	NO CHANGE THIS SHEET.	CP	11-FEB-09	80099
△C	NO CHANGE THIS SHEET.	CP	27-OCT-08	80050
△B	REMOVED ITEMS 16 & 17. ITEM 6, QTY 1 WAS 2. ITEM 7, QTY 1 WAS 2. ITEM 9, QTY 2 WAS 1. ITEM 10, QTY 4 WAS 2. ITEM 11, QTY 4 WAS 2. ITEM 12, QTY 4 WAS 2. ITEM 23 QTY 3 WAS 2. ITEM 24, QTY 3 WAS 2. ADDED ITEMS 18, 21, 28, 59, 81, 87, 91, 167 & 193.	CP	22-APR-08	-
△A	ITEM 3, QTY 8 WAS 7 (ADDED TGS48). ITEM 7, QTY 2 WAS 1. REMOVED ITEMS 27, 28, 88 & 89.	AJB	17-SEP-07	-
△	NEW ISSUE	CP	22-SEP-06	80099
WF	REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:

CUSTOMARY:
ALL DIMENSIONS IN INCHES

IMPLIED TOLERANCES
FRACTION ± 1/8
.X ± .06
.XX ± .03
.XXX ± .010

FRONT VIEW
UNLESS OTHERWISE STATED

THIRD ANGLE PROJECTION

Nordco

PRODUCT: M7

DESCRIPTION: ASSY, OH CONSOLE

SIZE: D SCALE: 1/2 DRAWING CODE NUMBER: 520207 REV: E

ASSEMBLY: - SHEET 2 OF 3

CONNECTION LIST

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
14 AWG GREEN	P300 @ 2	TS2 - 2	2
14 AWG GREEN	P300 @ 4	TS2 - 2	2
14 AWG GREEN	P300 @ 7	TS2 - 2	2
14 AWG GREEN	P300 @ 19	TS2 - 2	2
16 AWG GREEN	P300 @ 27	TS2 - 2	2
16 AWG GREEN	GA11 @ -	GA10 @ -	2
16 AWG GREEN	GA10 @ -	GA6 @ -	2
16 AWG GREEN	GA6 @ -	TS2 - 2	2
16 AWG GREEN	LT31 - 2	LT32 - 2	2
16 AWG GREEN	LT32 - 2	LT33 - 2	2
16 AWG GREEN	LT33 - 2	LT34 - 2	2
16 AWG GREEN	LT34 - 2	TS2 - 2	2
16 AWG GREEN	P300 @ 23	TS2 - 2	2
16 AWG GREEN	P300 @ 25	TS2 - 2	2
14 AWG GREEN	P300 @ 21	TS2 - 2	2
16 AWG GREEN	TMR3 @ 8	TS2 - 2	2
16 AWG GREEN	GA6 @ -	GA12 @ -	2
16 AWG GREEN	LT67 - 2	LT68 - 2	2
16 AWG GREEN	LT34 -	LT67 - 2	2
14 AWG RED	CB31 - 7	P300 @ 1	7
14 AWG RED	CB33 - 9	TS2 - 9	9
14 AWG RED	TS2 - 9	TMR3 @ 2	9
14 AWG RED	TMR3 @ 2	TMR3 @ 7	9
16 AWG RED	TS2 - 9	P366 @ 65	9
16 AWG RED	TS2 - 9	P366 @ 66	9
14 AWG RED	TS2 - 9	TGS4 @ 2	9
16 AWG RED	TGS4 @ 2	TGS4 @ 5	9
16 AWG RED	TS2 - 9	P366 @ 4	9
JUMPER	TS2 - 9	TS2 - 9	9
14 AWG RED	CB34 - 10	TGS5 @ 2	10
16 AWG RED	TGS5 @ 2	TGS6 @ 2	10
16 AWG RED	TGS6 @ 2	TGS7 @ 2	10
16 AWG RED	CB41 - 13	TGS11 @ 2	13
16 AWG RED	TGS11 @ 2	TGS11 @ 5	13
16 AWG RED	TGS11 @ 5	TGS13 @ 2	13
16 AWG RED	CB41 - 13	TGS12 @ 2	13
16 AWG RED	CB42 - 14	GA6 @ +	14
16 AWG RED	GA6 @ +	GA10 @ +	14
16 AWG RED	GA10 @ +	GA11 @ +	14
16 AWG RED	GA11 @ +	LT69 @ A	14
16 AWG RED	CB42 - 14	P366 @ 62	14
16 AWG RED	GA10 @ +	GA12 @ +	14
16 AWG RED	CB43 - 15	TGS38 @ 2	15
16 AWG RED	CB44 - 16	TGS16 @ 2	16

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	CB44 - 16	P366 @ 21	16
14 AWG RED	P366 @ 27	TGS19 @ 2	27
16 AWG RED	TGS19 @ 2	TGS20 @ 2	27
16 AWG RED	TGS20 @ 2	TGS21 @ 2	27
16 AWG RED	TGS21 @ 2	TGS22 @ 2	27
16 AWG BLACK	TGS48 @ 1	P366 @ 5	27
16 AWG BLACK	GA6 @ S	P366 @ 17	40
16 AWG BLACK	TGS6 @ 3	P300 @ 9	48
16 AWG BLACK	P355 @ 8	P210 @ 33	49
16 AWG BLACK	P366 @ 2	P300 @ 28	51
14 AWG BLACK	TMR3 @ 6	P300 @ 29	52
16 AWG BLACK	TGS4 @ 4	TGS4 @ 1	53
14 AWG BLACK	TGS4 @ 1	P300 @ 6	53
16 AWG BLACK	TGS4 @ 6	TGS4 @ 3	54
14 AWG BLACK	TGS4 @ 3	P300 @ 5	54
14 AWG BLACK	TMR3 @ 3	P300 @ 3	55
16 AWG BLACK	TGS5 @ 3	P300 @ 8	60
16 AWG BLACK	P366 @ 51	LT32 - 74	74
16 AWG BLACK	P366 @ 52	LT31 - 75	75
16 AWG BLACK	P366 @ 53	LT34 - 76	76
16 AWG BLACK	P366 @ 54	LT33 - 77	77
16 AWG BLACK	TGS16 @ 1	P366 @ 20	110
16 AWG BLACK	TGS20 @ 3	TS2 - 111	111
-	TS2 - 111	D7 @ ANODE	111
16 AWG BLACK	TS2 - 111	P366 @ 29	111
16 AWG BLACK	TGS20 @ 1	P366 @ 30	112
16 AWG BLACK	TGS21 @ 3	P366 @ 31	113

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS21 @ 1	P366 @ 32	114
16 AWG BLACK	TGS22 @ 3	P366 @ 33	115
16 AWG BLACK	TGS22 @ 1	P366 @ 34	116
16 AWG BLACK	P366 @ 61	TMR3 @ 1	134
16 AWG BLACK	TGS7 @ 3	P300 @ 10	153
16 AWG BLACK	GA12 @ S	P366 @ 63	159
16 AWG BLACK	TGS19 @ 1	TS2 - 160	160
-	TS2 - 160	D7 @ CATHODE	160
16 AWG BLACK	TS2 - 160	P366 @ 28	160
16 AWG BLACK	GA10 @ S	P366 @ 18	162
16 AWG BLACK	GA11 @ S	P366 @ 19	167
16 AWG BLACK	P366 @ 50	P300 @ 25	196
16 AWG BLACK	TGS13 @ 3	P300 @ 30	216
16 AWG BLACK	TGS13 @ 1	P300 @ 31	217
16 AWG BLACK	TGS12 @ 3	P366 @ 6	218
16 AWG BLACK	TGS12 @ 1	P366 @ 7	219
16 AWG BLACK	TGS11 @ 3	P366 @ 8	220
16 AWG BLACK	TGS11 @ 1	P366 @ 9	221
16 AWG BLACK	TGS11 @ 6	P366 @ 10	222
16 AWG BLACK	TGS11 @ 4	P366 @ 11	223
16 AWG BLACK	TGS23 @ 4	P366 @ 5	276
16 AWG BLACK	P366 @ 49	LT69 @ B	315
14 AWG BLACK	P366 @ 64	P300 @ 20	387
14 AWG BLACK	P366 @ 22	P300 @ 22	369
16 AWG BLACK	TGS38 @ 3	P300 @ 26	370
16 AWG BLACK	P366 @ 23	P300 @ 24	377
14 AWG BLACK	P366 @ 64	P300 @ 20	387

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	P366 @ 1	TS2 - 394	394
16 AWG BLACK	TGS16 @ 3	TGS48 @ 2	420

NOTES:
 1. USE CABLE TIES, ITEM 185, AS REQUIRED.
 2. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
 3. ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
 4. ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
 5. ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
 6. ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
 7. APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
 8. WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
 9. ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.
 10. FOR CUSTOMER OPTIONS SEE DRAWING 520217.

NO CHANGE THIS SHEET.	DLS	27-MAR-09	600020
WIRE 54 WAS WIRE 53. WIRE 53 WAS WIRE 54. WIRE 110, TGS16 @ 1 WAS TGS4 @ 3. WIRE 369, P366 @ 22 WAS P366 @ 23. WIRE 420, TGS16 @ 3 WAS TGS16 @ 1.	CP	11-FEB-09	80099
NO CHANGE THIS SHEET.	CP	27-OCT-08	80050
TGS48 @ 2 WAS TGS23 @ 5. ADDED WIRE 14 - 16 AWG RED, (3x) WIRE 2 - 16 AWG GREEN, WIRE 27 - 16 AWG BLACK, WIRE 49 & WIRE 196. REMOVED WIRES 37 AND 67/394. WIRE 369, P300 @ 22 WAS P300 @ 23.	CP	22-APR-08	
P300 @ 23 WAS P300 @ 24, TGS6 @ 3 WAS TGS8 @ 1. TGS4 @ 6 WAS TGS4 @ 4, TGS4 @ 3 WAS TGS4 @ 1. TGS4 @ 4 WAS TGS4 @ 6, TGS4 @ 1 WAS TGS4 @ 3. TGS5 @ 3 WAS TGS5 @ 1, TGS16 @ 3 WAS TGS16 @ 1. TGS20 @ 3 WAS TGS20 @ 1, TGS20 @ 1 WAS TGS20 @ 3. TGS21 @ 3 WAS TGS21 @ 1, TGS21 @ 1 WAS TGS21 @ 3. TGS22 @ 3 WAS TGS22 @ 1, TGS22 @ 1 WAS TGS22 @ 3. TGS7 @ 3 WAS TGS7 @ 1, TGS19 @ 1 WAS TGS19 @ 3. TGS13 @ 3 WAS TGS13 @ 1, TGS13 @ 1 WAS TGS13 @ 3. TGS12 @ 3 WAS TGS12 @ 1, TGS12 @ 1 WAS TGS12 @ 3. TGS11 @ 3 WAS TGS11 @ 1, TGS11 @ 1 WAS TGS11 @ 3. TGS38 @ 3 WAS TGS38 @ 1, ADDED WIRES 420 & 276.	AJB	17-SEP-07	
NEW ISSUE	CP	22-SEP-06	80099

CUSTOMARY: ALL DIMENSIONS IN INCHES

IMPLIED TOLERANCES:
 FRACTION ± 1/8
 .X ± .06
 .XX ± .03
 .XXX ± .010

250 / MACHINE FINISH UNLESS OTHERWISE STATED

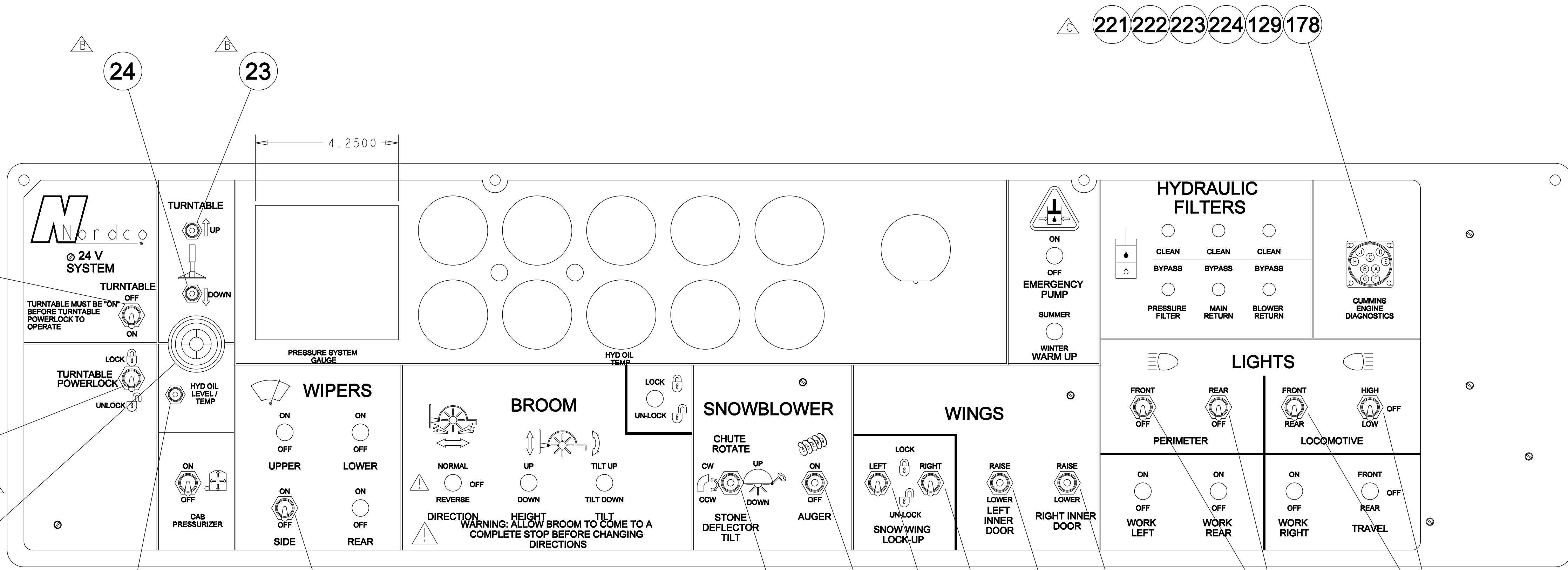
PLANE ANGLES +/- 1°

ASSEMBLY: -

NO. 520207

REV: E

SHEET 3 OF 3



COLOR DETAIL

STOP
WHITE OUTLINE .050" THICK,
RED ON WHITE
WHITE LETTERING, .20" TALL ("STOP")

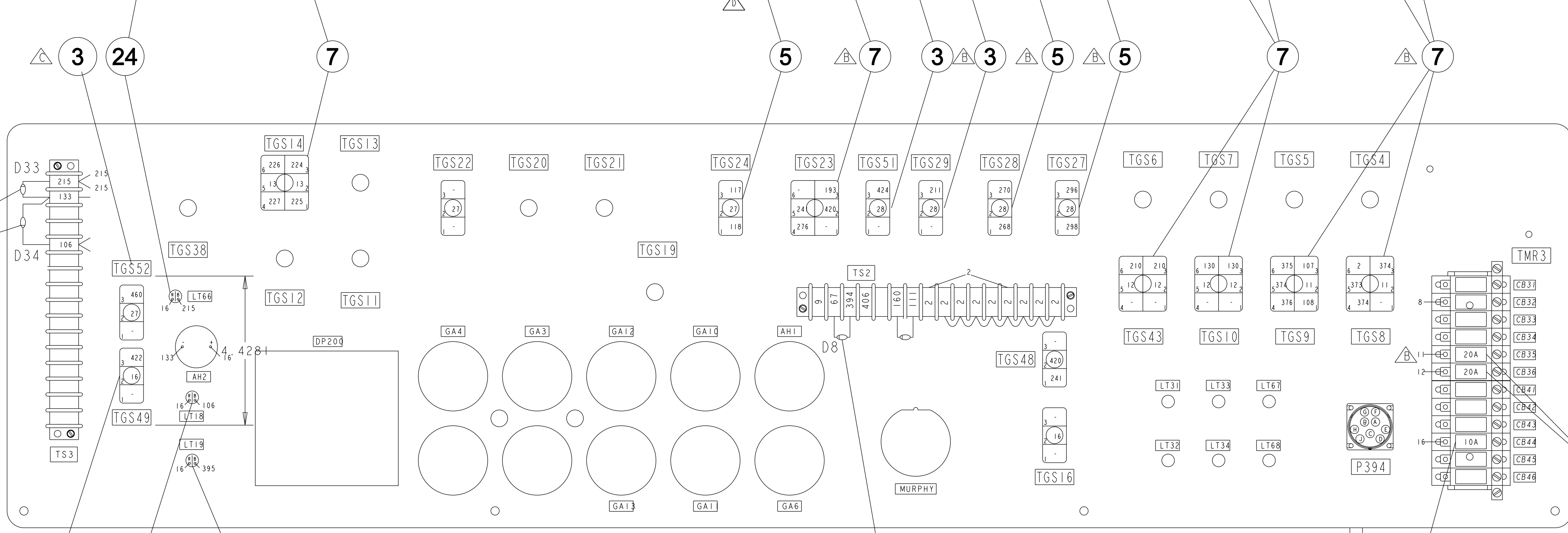
N
WHITE OUTLINE ON LARGE "N" .020" THICK,
RED "N" ON WHITE BACKGROUND
WHITE UNDERLINE
WHITE LETTERING - "Nordco" .50" TALL
"TM" .075" TALL

WARNING
WHITE OUTLINE .020" THICK,
RED ON WHITE BACKGROUND

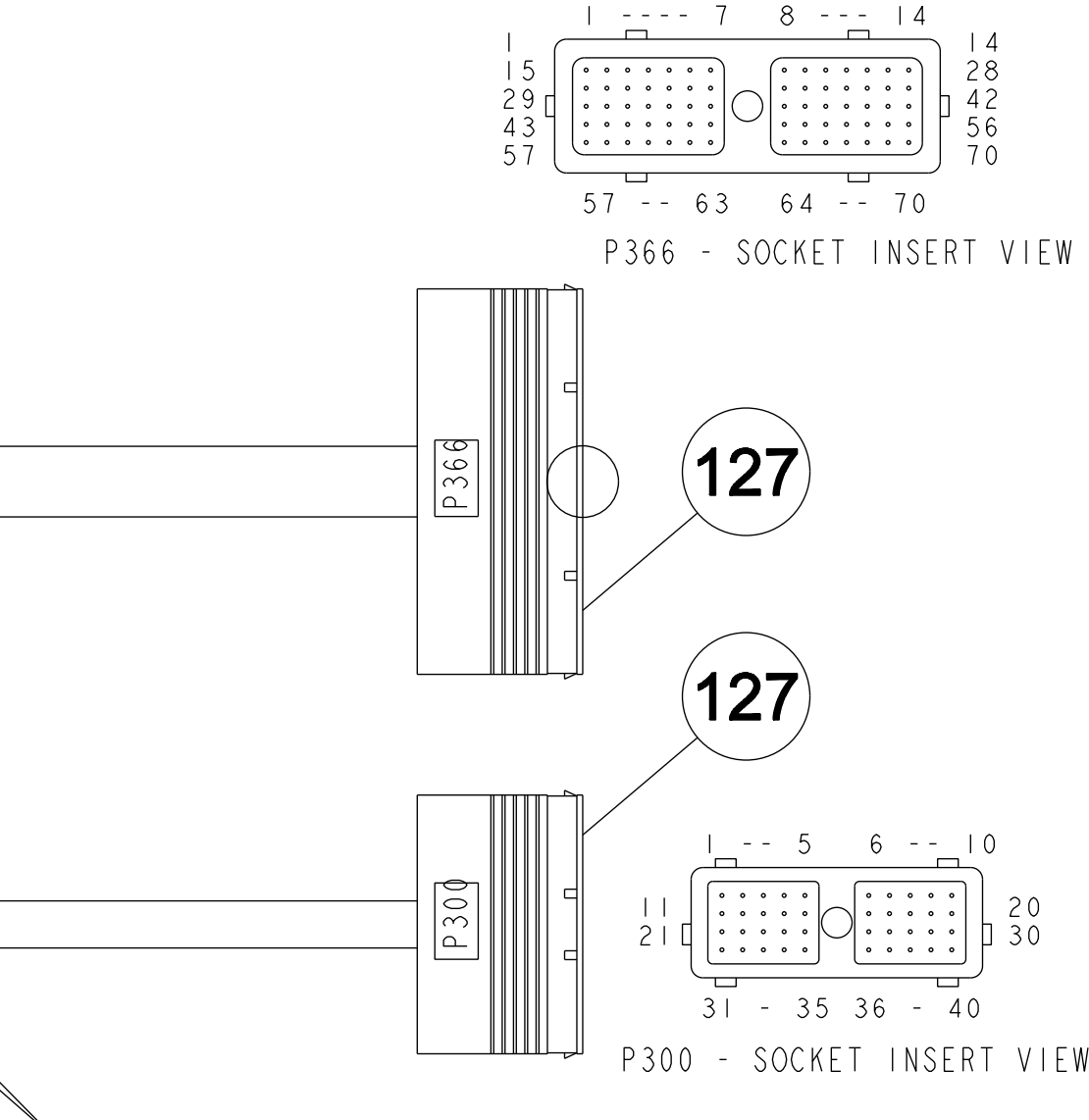
WARNING
TURN HYDRAULIC PUMP OFF WHEN IDLING ENGINE FOR MORE THAN 30 MINUTES

CAUTION
BEFORE WELDING DISCONNECT BATTERY CABLES

WHITE BACKGROUND 3.75" WIDE X 3.50" TALL
OSHA ORANGE BACKGROUND BEHIND "WARNING"
OSHA YELLOW BACKGROUND BEHIND "CAUTION"
BLACK LINES
BLACK TEXT & SYMBOLS



FLIP DOWN VIEW



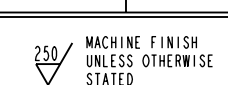


CUSTOMARY: ALL DIMENSIONS IN INCHES				THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE		
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	± .03	D	1/2	520217
.XXX	± .010	REV.	D	
MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY:	SHEET 1 OF 14	
PLANE ANGLES +/- 1°		REVISION HISTORY LOCATED ON LAST SHEET		

NOTES (APPLY TO ALL MODIFICATIONS):

1. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
2. ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
3. ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
4. ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
5. APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
6. WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
7. ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES				 THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	1/2	520217	D
.XXX	± .010	PLANE ANGLES ±.1°		ASSEMBLY: -	SHEET 2 OF 14
 MACHINE FINISH UNLESS OTHERWISE STATED					

520207 M02

SIDE WINDOW WIPERS

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
7	5125 579	1	SWITCH, TOGGLE CH#8501K1 DPDT ON-ON	TGS14
127	5166 797	4	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS13 @ 2	TGS14 @ 2	13
16 AWG BLACK	TGS14 @ 2	TGS14 @ 5	13
△ 16 AWG BLACK	TGS14 @ 3	P300 @ 32	224
△ 16 AWG BLACK	TGS14 @ 1	P300 @ 33	225
△ 16 AWG BLACK	TGS14 @ 6	P300 @ 34	226
△ 16 AWG BLACK	TGS14 @ 4	P300 @ 35	227

PURPOSE: ON-OFF SWITCH FOR OPERATING SIDE WINDOW WIPERS.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M03

HYD OIL LEVEL / TEMP WARNING

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
24	5190 918	2	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT66
△ 31	2968 0018	1	DIODE, 1N5624	D33
35	3140 3510	1	ALARM MALLORY #SC628ANP	AH2
127	5166 797	1	PIN, 16 GA DEUTSCH #0460-202-16141	
△ 194	680030	1	VOLUME CONTROL SONALERT #SCVC	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
△ 16 AWG BLACK	TGS16 @ 2	AH2 @ +	16
△ 16 AWG BLACK	AH2 @ +	LT66 @ +	16
△ 16 AWG BLACK	AH2 @ -	TS3 - 133	133
△ 16 AWG BLACK	TS3 - 133	D33 @ ANODE	133
△ 16 AWG BLACK	D33 @ CATHODE	TS3 - 215	215
△ 16 AWG BLACK	TS3 - 215	LT66 @ -	215
△ 16 AWG BLACK	TS3 - 215	P366 @ 26	215

PURPOSE: RED LIGHT AND BUZZER ACTIVATE WHEN HYD. OIL LEVEL IS TOO LOW OR HYD OIL TEMP. IS TOO HIGH.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: DRAWING, OH CONSOLE
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	SIZE: D	SCALE: 1/2
250 MACHINE FINISH UNLESS OTHERWISE STATED	DRAWING CODE NUMBER: 520217	REV: D
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 3 OF 14

REVISION HISTORY LOCATED ON LAST SHEET

520207 M04

WING INNER DOORS

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
5	5125 590	2	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS27, TGS28
127	5166 797	5	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	P366 @ 38	TGS27 @ 2	28
16 AWG RED	TGS27 @ 2	TGS28 @ 2	28
16 AWG BLACK	TGS28 @ 1	P366 @ 46	268
16 AWG BLACK	TGS28 @ 3	P366 @ 45	270
16 AWG BLACK	TGS27 @ 3	P366 @ 43	296
16 AWG BLACK	TGS27 @ 1	P366 @ 44	298

PURPOSE: SWITCHES TO OPERATE INNER DOORS ON HD BALLAST WINGS.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M05

TURNTABLE DOWN WARNING

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT 19
24	5190 918	1	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT 18
31	2968 0018	1	DIODE, 1N5624	D16
35	3140 3510	1	ALARM MALLORY #SC628ANP	AH2
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	
194	680030	1	VOLUME CONTROL SONALERT #SCVC	

WIRE ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	TGS16 @ 2	LT19 @ +	16
16 AWG RED	LT19 @ +	LT18 @ +	16
16 AWG RED	LT18 @ +	AH2 @ +	16
16 AWG BLACK	D34 @ CATHODE	TS3 - 106	106
16 AWG BLACK	TS3 - 106	P366 @ 59	106
16 AWG BLACK	TS3 - 106	LT18 @ -	106
16 AWG BLACK	AH2 @ -	TS3 - 133	133
16 AWG BLACK	TS3 - 133	D34 @ ANODE	133
16 AWG BLACK	LT19 @ -	P366 @ 60	395

PURPOSE: RED LIGHT AND BUZZER ACTIVATE WHEN TURNTABLE IS DOWN. GREEN LIGHT ACTIVE WHEN TURNTABLE IS UP.

NOTE IF MOD USED WITH 520207M03, ITEM #35 IS NOT REQUIRED

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	DESCRIPTION: DRAWING, OH CONSOLE	
SIZE	SCALE	DRAWING CODE NUMBER
D	1/2	520217
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 4 OF 14

REVISION HISTORY LOCATED ON LAST SHEET

520207 M06

TACHOMETER GAUGE

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS13 @ 2	TGS14 @ 2	13
16 AWG BLACK	TGS14 @ 2	TGS14 @ 5	13
16 AWG BLACK	TGS14 @ 1	P300 @ 32	224
16 AWG BLACK	TGS14 @ 3	P300 @ 33	225
16 AWG BLACK	TGS14 @ 4	P300 @ 34	226
16 AWG BLACK	TGS14 @ 6	P300 @ 35	227

PURPOSE: ELECTRONIC 4" TACHOMETER GAUGE, IN ADDITION TO MURPHYLINK.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES				
	PRODUCT: M7			
IMPLIED TOLERANCES	DESCRIPTION: DRAWING, OH CONSOLE			
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	SIZE	SCALE	DRAWING CODE NUMBER	REV.
250 MACHINE FINISH UNLESS OTHERWISE STATED	D	1/2	520217	D
PLANE ANGLES +/- 1°	ASSEMBLY: -		SHEET 5 OF 14	

REVISION HISTORY LOCATED ON LAST SHEET

520207 M08

LIGHTS INDEPENDENT OF KEYSWITCH (CP)

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			

PURPOSE: ALL LIGHTS MAY BE ON WITHOUT OPERATION OF KEYSWITCH. MASTER DICONNECT TO SHUT ALL OFF.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M09

STROBE LIGHT INDEPENDENT OF KEYSWITCH (CSX)

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			

PURPOSE: STROBE LIGHT OPERATES UNLESS MASTER SWITCH IS TURNED OFF.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES			THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7		
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	DESCRIPTION: DRAWING, OH CONSOLE		
SIZE	SCALE	DRAWING CODE NUMBER	REV.
D	1/2	520217	D
PLANE ANGLES +/- 1°		ASSEMBLY: -	SHEET 6 OF 14

REVISION HISTORY LOCATED ON LAST SHEET

520207 M10 PERIMETER LIGHTING

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
7	5125 579	2	SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS10, 43
38	5128 937	1	CIRCUIT BREAKER 20A ETA #1170-02-20A	CB36
127	5166 797	3	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
14 AWG GREEN	P300 @ 18	TS2 - 2	2
14 AWG RED	CB36 - 12	TGS10 @ 2	12
14 AWG RED	TGS10 @ 2	TGS10 @ 5	12
14 AWG RED	CB36 - 12	TGS43 @ 2	12
14 AWG RED	TGS43 @ 2	TGS43 @ 5	12
14 AWG BLACK	TGS10 @ 6	TGS10 @ 3	130
14 AWG BLACK	TGS10 @ 3	P300 @ 17	130
14 AWG BLACK	TGS43 @ 6	TGS43 @ 3	210
14 AWG BLACK	TGS43 @ 3	P366 @ 3	210

**PURPOSE: TO PROVIDE
FLOOD LIGHTING AROUND
MACHINE.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M11 LOCOMOTIVE LIGHTS

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
6	5125 586	1	SWITCH, TOGGLE CH#8501K4 DPDT ON-OFF-ON	TGS8
7	5125 579	1	SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS9
38	5128 937	1	CIRCUIT BREAKER 20A ETA #1170-02-20A	CB36
127	5166 797	3	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
14 AWG GREEN	P300 @ 16	TS2 - 2	2
14 AWG BLACK	TGS8 @ 6	TS2 - 2	2
14 AWG BLACK	TGS9 @ 2	TGS8 @ 2	11
14 AWG BLACK	TGS8 @ 2	CB35 @ 11	11
14 AWG BLACK	TGS9 @ 3	P300 @ 11	107
14 AWG BLACK	TGS9 @ 1	P300 @ 12	108
14 AWG BLACK	TGS8 @ 5	P300 @ 15	373
14 AWG BLACK	TGS9 @ 5	TGS8 @ 4	374
14 AWG BLACK	TGS9 @ 5	TGS8 @ 3	374
14 AWG BLACK	TGS9 @ 6	P300 @ 13	375
14 AWG BLACK	TGS9 @ 4	P300 @ 14	376

**PURPOSE: ADDITIONAL
HIGH INTENSITY FRONT
AND REAR LIGHTS FOR
VISIBILITY.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: DRAWING, OH CONSOLE
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	SIZE D 1/2	DRAWING CODE NUMBER 520217
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SCALE	REV. D
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 7 OF 14

REVISION HISTORY
LOCATED ON LAST
SHEET

520207 M12 SNOWBLOWER FILTER

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33
24	5190 918	1	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	LT31 - 2	LT67 - 2	2
16 AWG GREEN	LT67 - 2	LT68 - 2	2
16 AWG BLACK	P366 @ 57	LT68 - 2	206
16 AWG BLACK	P366 @ 67	LT67 - 2	207

**PURPOSE: TO
PROVIDE INDICATOR
LIGHTS FOR
SNOWBLOWER RETURN
FILTER.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M13 CHARGE PUMP FILTER

COMPONENT
ADD



ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33
24	5190 918	1	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	LT31 - 2	LT67 - 2	2
16 AWG GREEN	LT67 - 2	LT68 - 2	2
16 AWG BLACK	P366 @ 57	LT68 - 2	206
16 AWG BLACK	P366 @ 67	LT67 - 2	207

**PURPOSE: TO
PROVIDE INDICATOR
LIGHTS FOR CHARGE
PUMP FILTER.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES			 THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION: DRAWING, OH CONSOLE		
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	SIZE: D	SCALE: 1/2	REV: D
250 / MACHINE FINISH UNLESS OTHERWISE STATED	DRAWING CODE NUMBER: 520217		REV: D
PLANE ANGLES +/- 1°	ASSEMBLY: -		SHEET 8 OF 14

REVISION HISTORY
LOCATED ON LAST
SHEET

520207 M14 CASE DRAIN FILTER

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33
24	5190 918	1	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	LT31 - 2	LT67 - 2	2
16 AWG GREEN	LT67 - 2	LT68 - 2	2
16 AWG BLACK	P366 @ 57	LT68 - 2	206
16 AWG BLACK	P366 @ 67	LT67 - 2	207

**PURPOSE: TO
PROVIDE INDICATOR
LIGHTS FOR CASE
DRAIN FILTER.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M15 SNOW WING LOCK-UP

COMPONENT
ADD



ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
3	5125 587	2	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS29, TGS51
127	5166 797	3	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	P366 @ 38	TGS29 @ 2	28
16 AWG BLACK	TGS29 @ 2	TGS51 @ 2	28
16 AWG BLACK	TGS29 @ 3	P366 @ 47	211
16 AWG BLACK	TGS51 @ 3	P366 @ 40	424

**PURPOSE: SWITCH
FOR SNOW WING
STORAGE LOCK
PINS.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES			 THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7		
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	DESCRIPTION: DRAWING, OH CONSOLE		
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: 1/2	REV: D
PLANE ANGLES +/- 1°	ASSEMBLY: -	DRAWING CODE NUMBER: 520217	SHEET 9 OF 14

REVISION HISTORY
LOCATED ON LAST
SHEET

520207 M16

SNOW CHUTE ROTATE / TILTABLE STONE DEFLECTOR

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
5	5125 590	1	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS24
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS22 @ 2	TGS24 @ 2	27
△ 16 AWG BLACK	TGS24 @ 3	P366 @ 36	117
△ 16 AWG BLACK	TGS24 @ 1	P366 @ 37	118

**PURPOSE: MOMENTARY
SWITCH FOR OPERATING
SNOW CHUTE DIRECTION OR
TILT OF STONE DEFLECTOR.**

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M17

STONE DEFLECTOR SIDE FLAPS

COMPONENT
ADD



ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK			
16 AWG BLACK			
16 AWG BLACK			

PURPOSE:

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	1/2	520217	D
.XXX	± .010	PLANE ANGLES +/- 1°		ASSEMBLY: -	SHEET 10 OF 14

REVISION HISTORY
LOCATED ON LAST
SHEET

520207 M18

SNOW AUGER / DUST COLLECTOR

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
7	5125 579	1	SWITCH, TOGGLE CH #8501K4 DPDT ON-ON	TGS23
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE SUBTRACT

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS48 @ 1	P366 @ 5	27

WIRE ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	TGS23 @ 3	P366 @ 35	193
16 AWG BLACK	TGS48 @ 1	TGS23 @ 5	241
16 AWG BLACK	TGS23 @ 4	P366 @ 35	276
16 AWG BLACK	TGS48 @ 2	TGS23 @ 2	420

PURPOSE: ON-OFF SWITCH FOR OPERATING SNOW AUGER OR DUST COLLECTOR.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

520207 M19

HIGH CURRENT TRAVEL ALARMS

COMPONENT
ADD



ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	CB44 - 16	AH2 - 16	16
16 AWG BLACK	AH2 - 16	LT66 - 16	16
16 AWG BLACK	AH2 - 133	D33 @ ANODE	133
16 AWG BLACK	D33 @ CATHODE	LT66 - 215	215
16 AWG BLACK	LT66 - 215	P366 @ 26	215

PURPOSE: ALTERNATIVE CIRCUIT PROTECTION FOR HIGH CURRENT TRAVEL ALARMS (~10A EACH).

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES			 THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION: DRAWING, OH CONSOLE		
FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010	SIZE: D	SCALE: 1/2	REV: D
MACHINE FINISH UNLESS OTHERWISE STATED PLANE ANGLES +/- 1°	DRAWING CODE NUMBER: 520217		ASSEMBLY: -
REVISION HISTORY LOCATED ON LAST SHEET		SHEET 11 OF 14	

520207 M20

FORWARD / REVERSE TRAVEL ALARM SWITCH

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	CB44 - 16	AH2 - 16	16
16 AWG BLACK	AH2 - 16	LT66 - 16	16
16 AWG BLACK	AH2 - 133	D33 @ ANODE	133
16 AWG BLACK	D33 @ CATHODE	LT66 - 215	215
16 AWG BLACK	LT66 - 215	P366 @ 26	215

PURPOSE: ALLOWS OPERATOR TO CHOOSE DIRECTION IN WHICH CONTINUOUS ALARM WILL SOUND.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

520207 M21

TURNTABLE INTERLOCK

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
3	5125 587	1	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS49
36	5128 935	1	CIRCUIT BREAKER 10A ETA #1170-02-10A	CB44
127	5166 797	1	PIN, 16 GA DEUTSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	CB44 - 16	TGS49 @ 2	16
16 AWG BLACK	TGS49 @ 3	P366 @70	422

PURPOSE: ON - OFF SWITCH TO RESTRICT OPERATING THE TURNTABLE.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES			THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION: DRAWING, OH CONSOLE		
FRACTION ± 1/8	SIZE	SCALE	DRAWING CODE NUMBER
.X ± .06	D	1/2	520217
.XX ± .03			
.XXX ± .010	ASSEMBLY: -		SHEET 12 OF 14

REVISION HISTORY LOCATED ON LAST SHEET

520207 M22

CUMMINS ENGINE DIAGNOSTIC PLUG

COMPONENT
ADD

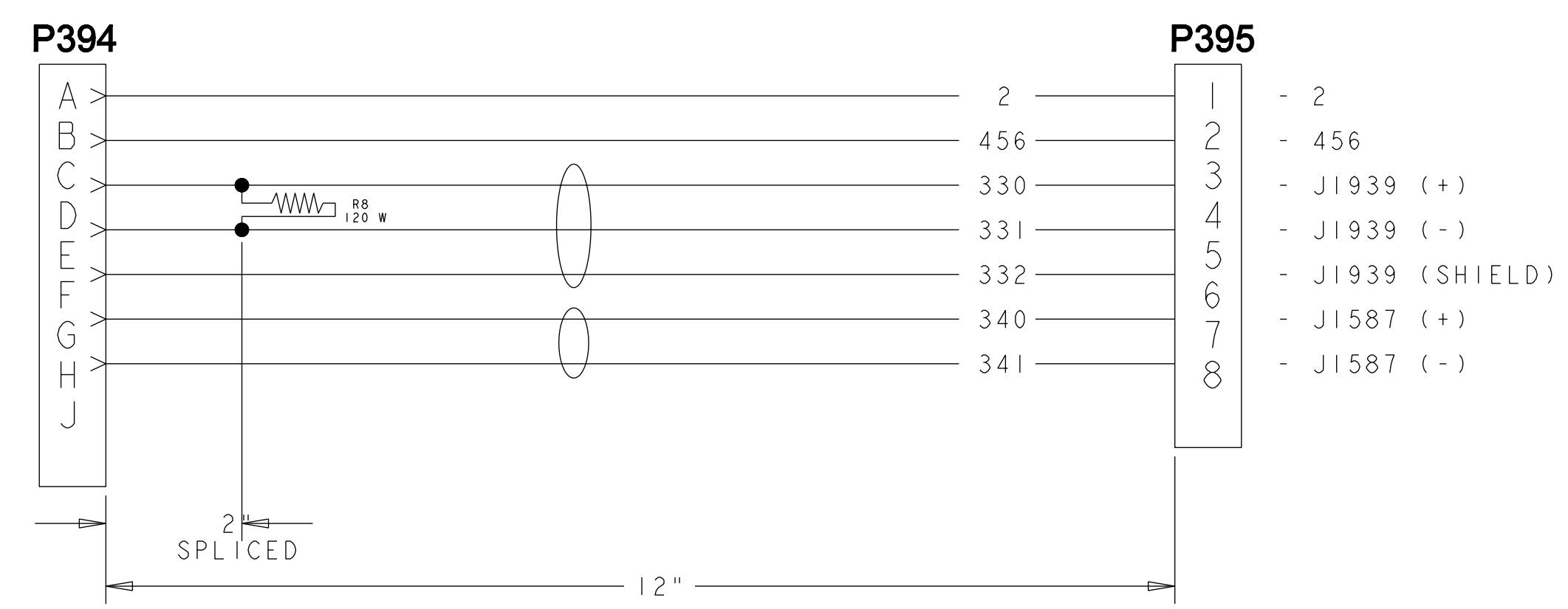
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
178	5166809	1	RECEPTACLE, SQ FLANGE 9 PIN, DEUTSCH #HD10-9-1939P	P394
129	5166796	AR	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	-
221	2837225	4	SCREW, MACH #4-40 x 1-1/4 RD HD	-
222	3048022	4	NUT HEX, #4-40	-
223	3060451	4	WASHER, SAE #4	-
224	3064446	4	LOCKWASHER, #4-40	-
110	5166808	1	RECEPTACLE, 8-PIN DEUTSCH #DT06-8P	P395
112	5112930	1	LOCKING WEDGE, FOR 8 PIN RECEPTACLE DEUTSCH #W8S	-
127	5166797	AR	PIN, 16-20 GA DEUTSCH #0460-202-16141	-
179	61200040	1	RESISTOR, 120 OHM 1/2 W NEWARK #10N541	R8

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	P394 @ A	P395 @ 1	2
18 AWG J1939 (+)	P394 @ C	P395 @ 3	330
18 AWG BLACK	P394 @ C	R8 @ 330	330
18 AWG BLACK	P394 @ D	R8 @ 331	331
18 AWG J1939 (-)	P394 @ D	P395 @ 4	331
18 AWG J1939 (SHIELD)	P394 @ E	P395 @ 5	332
18 AWG J1587 (+)	P394 @ F	P395 @ 6	340
18 AWG J1587 (-)	P394 @ G	P395 @ 7	341
16 AWG BLACK	P394 @ B	P395 @ 2	456

PURPOSE: ALLOWS CUMMINS SERVICE TECHNICIAN TO CONNECT ENGINE TO LAPTOP.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



520207 M23

TURNTABLE POWERLOCK

COMPONENT
ADD

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
3	5125587	1	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS52
127	5166797	1	PIN, 16 GA DEITSCH #0460-202-16141	

WIRE
ADD

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	TGS19 @ 2	TGS52 @ 2	27
16 AWG BLACK	TGS52 @ 1	P366 @ 48	460

PURPOSE: ON - OFF SWITCH TO LOCK/UNLOCK TURNTABLE.

MOD. NEEDS	COMPONENT ADD	COMPONENT SUBTRACT	PANEL MOD	WIRE ADD	WIRE SUBTRACT
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CUSTOMARY: ALL DIMENSIONS IN INCHES					
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE			
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	± .03	D	1/2	520217	D
.XXX	± .010	MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 13 OF 14	
PLANE ANGLES +/- 1°		ASSEMBLY: -			

REVISION HISTORY LOCATED ON LAST SHEET

ECO	-	REV -
DRAWN BY:	JWW	CHECKED BY:
	18-OCT-06	APPROVED BY:
SHEET	CHANGE	
ALL	NEW ISSUE	



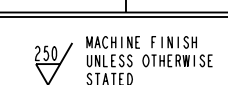
ECO	600020	REV D
DRAWN BY:	DLS	CHECKED BY:
	03/27/09	APPROVED BY:
SHEET	CHANGE	
ALL	CONVERTED TO PRO-E.	
1	UPDATED ITEM 2 BY ADDING "STONE DEFLECTOR TILT" OPTION WITH GRAPHICS TO SNOW BLOWER SECTION AND RE-ORIENTATED CHUTE ROTATE. CHANGED "TURNABLE" TEXT LOCATION & TEXT, ADDED NOTE FOR POWERLOCK, AND SWITCHED "ON" AND "OFF" TEXT.	

ECO	-	REV A
DRAWN BY:	AJB	CHECKED BY:
	21-SEP-07	APPROVED BY:
SHEET	CHANGE	
ALL	REVISION HISTORY MOVED TO LAST SHEET	
1	PICTORIAL UPDATED, ADDED COLOR DETAIL. REMOVED ITEMS 3, 25, 26, 28, 31, 33, 34, 47 AND 48	
2	REMOVED ITEMS 25, 26, 28, 31, 33, 34, 47 & 48 WITH REQUIRED WIRES FOR BRAKE DE-ICE MOD.	
3	520207M02: TGS1403 WAS TGS1401, TGS1401 WAS TGS1403, TGS1406 WAS TGS1404, TGS1404 WAS TGS1406	
7	520207M10: TGS1006 WAS TGS1004, TGS1003 WAS TGS1001, TGS4306 WAS TGS4304, TGS4303 WAS TGS4301, TGS1008 WAS TGS1001, TGS4303 WAS TGS4301	
10	520207M16: TGS2403 WAS TGS2401, TGS2401 WAS TGS2403	
11	520207M18: TGS2303 WAS TGS2301, REMOVED ITEM 9 (TGS23)	
13	THIS SHEET ADDED	

ECO	-	REV B
DRAWN BY:	CP	CHECKED BY:
	20-MAY-08	APPROVED BY:
SHEET	CHANGE	
1	REPOSITIONED ITEMS 23 & 24 ADDED ITEM 3 (3x), ITEM 5 (2x), ITEM 7 (2x), ITEM 31 (2x), ITEM 35 (1x), ITEM 36 (1x) & ITEM 194	
2	REMOVED 520207M01	
3	520207M03: ITEMS 31 & 194 ADDED ADDED (2x) WIRE 215 VARIOUS WIRES AND END LOCATIONS CHANGED	
4	NOTE ADDED 520207M04: ITEMS 5 & 127 ADDED VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED 520207M05: ITEMS 23, 24, 31, 35, 127 & 194 ADDED VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED	
5	520207M07 REMOVED. TO BE USE AS STANDARD	
7	520207M11: ITEM #6 ADDED. ITEM #7, QTY 1 WAS 2. DESIGNATION TGS9 WAS TGS 10, 43. VARIOUS WIRES, WIRE DESCRIPTION, AND END LOCATIONS CHANGED	
9	520207M15: ITEM 3 ADDED ITEMS 23 & 24 REMOVED ITEM 127, QTY 3 WAS 2 VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED	
11	520207M18: ITEM 7 ADDED ITEM 127, QTY 2 WAS 1 WIRE #27 REMOVED WIRES 241, 276 & 420 ADDED	
12	520207M21 ADDED	

ECO	80050	REV C
DRAWN BY:	CP	CHECKED BY:
	09-OCT-08	APPROVED BY:
SHEET	CHANGE	
1	ITEM 23, WIRE 395 WAS 215 ADDED ITEM 3 (1x) ADDED ITEMS 110, 112, 127, 129, 178, 221, 222, 223 & 224	
4	520207M05, P366059 WAS P366060 WIRE 395 WAS 215 P366060 WAS P366059	
13	THIS SHEET ADDED FOR 520207M22 & M23	

REVISION HISTORY LOCATED ON THIS SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES		 	
IMPLIED TOLERANCES		PRODUCT: M7	
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE	
.X	± .06	SIZE	SCALE
.XX	± .03	D	1/2
.XXX	± .010	DRAWING CODE NUMBER	
		520217	
PLANE ANGLES +/- 1°		ASSEMBLY: -	REV: D
		SHEET 14 OF 14	

41 43 46 47 48

41 45 46 47 48

65 97

61 64 60

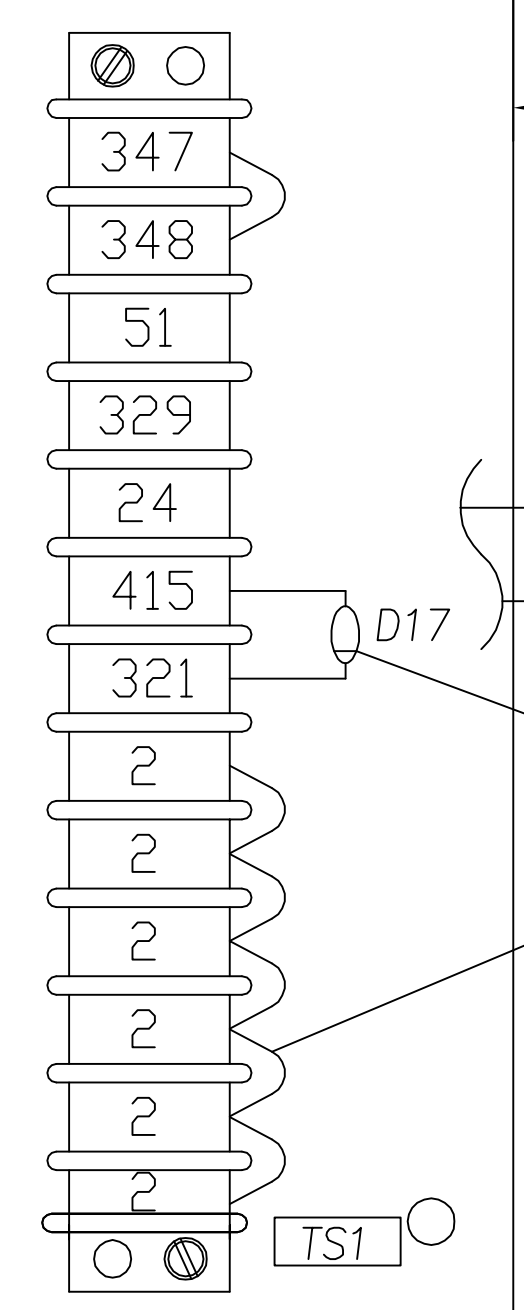
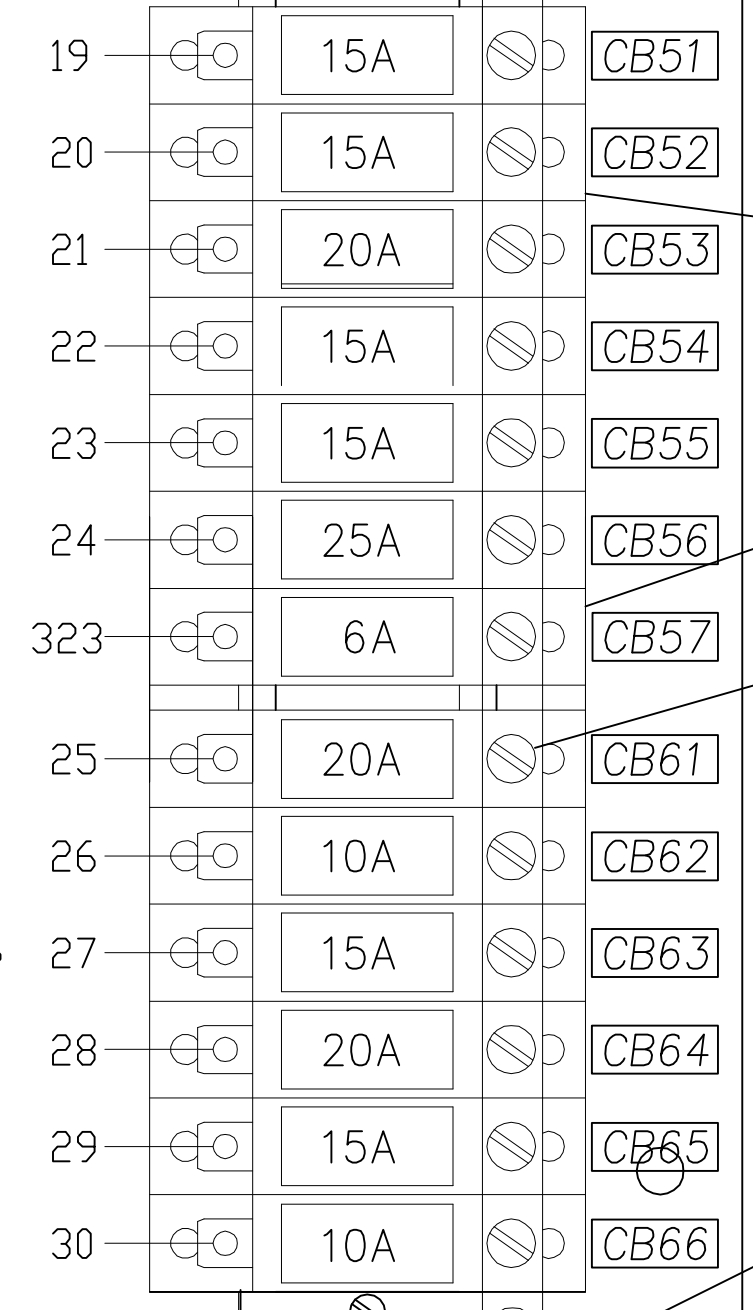
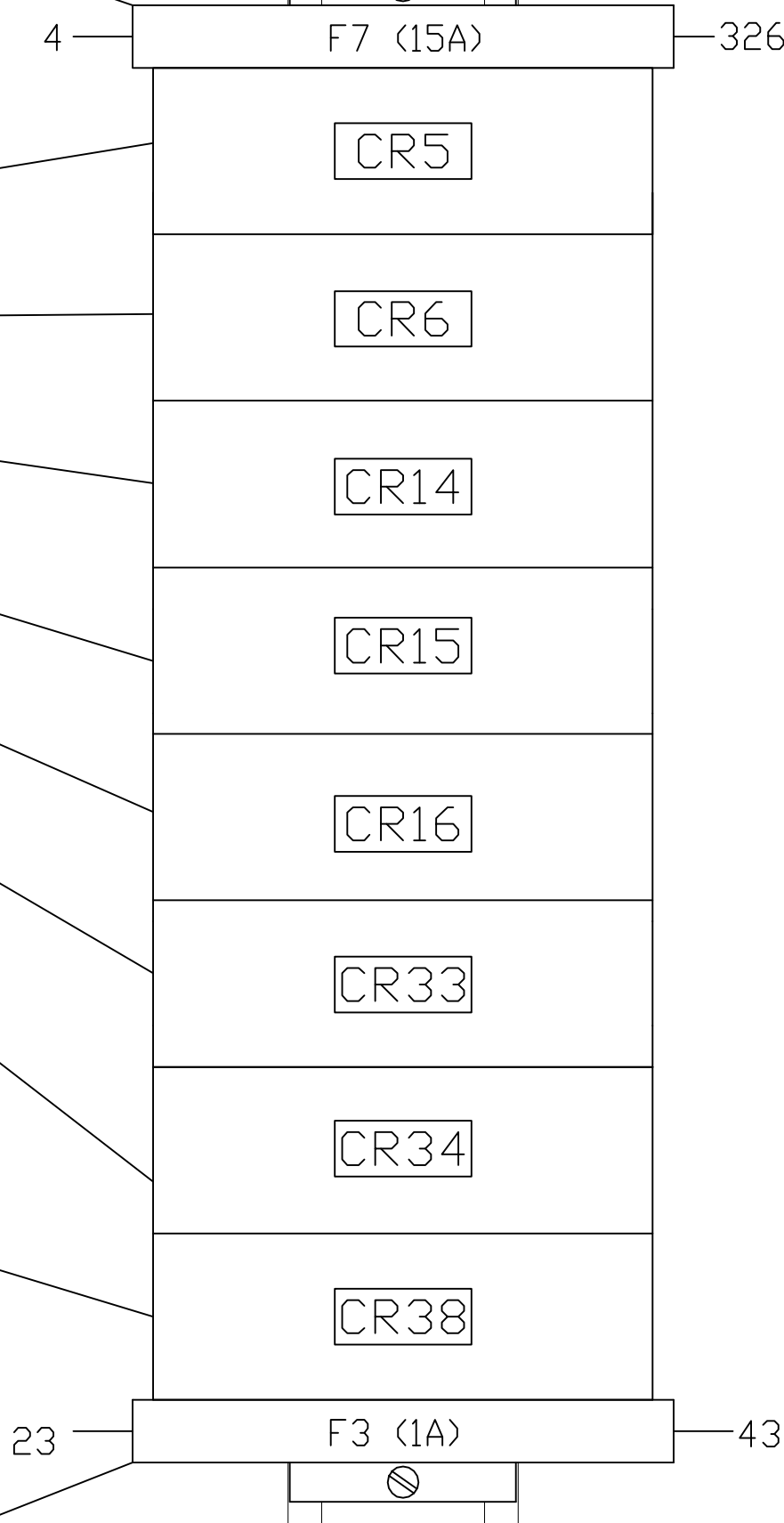
61 64 198

65 66

(19.88)

(10.50)

NOTES
1. 7 POSITION REQUIRED
2. 8 POSITION REQUIRED



ITEM 51: SEE NOTE #2

ITEM 51: SEE NOTE #1

1

51 52

37 38 39 49

95 96

36 37 38 49

51 52

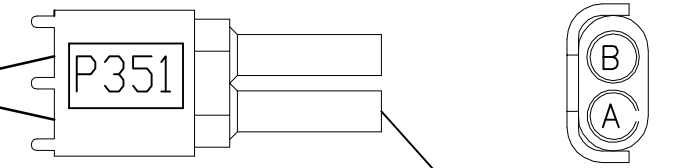
31

9 10

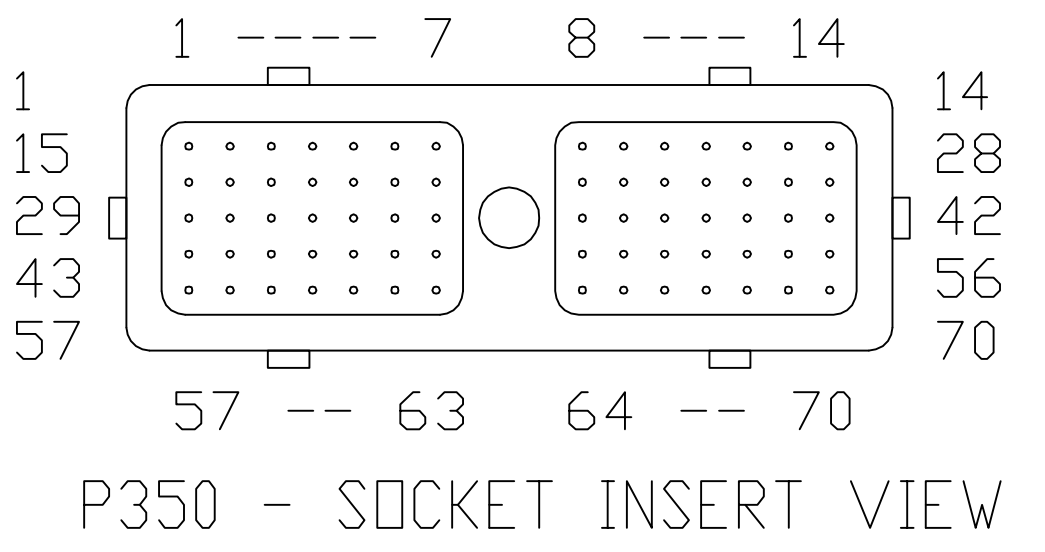
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12

57

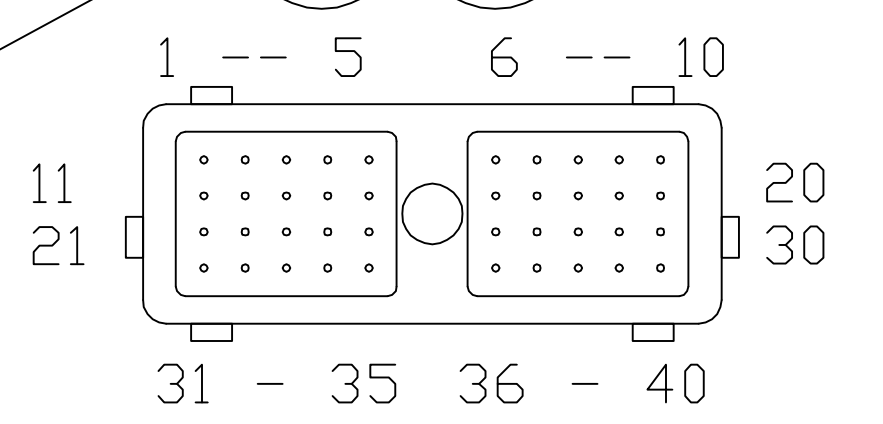


142 151 153



105 126

104 130



S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		DESCRIPTION: ASSY, CC LEFT PANEL		
FRACTION	1/8	SIZE	SCALE	DRAWING CODE NUMBER
X	.06	D	1:1	520289
.XX	.03	REV.		A
.XXX	.010	ASSEMBLY:		SHEET 1/3


△	ITEMS 97, 198 & (1x) 65 ADDED	CP	03-DEC-08	80050
△	NEW ISSUE	CP	09-MAY-08	
MF	REV	CHANGE	CHECKED BY: DATE:	DATE: DATE:

BILL OF MATERIALS

- NOTES:
 1. USE CABLE TIES, ITEM 185, AS REQUIRED.
 2. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
 3. ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
 4. ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
 5. ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
 6. ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
 7. APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
 8. WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
 9. ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.
 10. FOR CUSTOMER OPTIONS SEE DRAWING 520218.
 11. CONNECTORS TO BE IN APPROXIMATE LOCATIONS SHOWN.

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700381	1	PANEL, CENTER CONSOLE LEFT	
9	76484503	1	TERMINAL STRIP CINCH #16-140 TB2	TS1
10	2837349	2	SCREW, RD. HD. MACHINE #6-32 x 3/4 LG	
11	3048028	2	NUT, HEX MACHINE SCREW #6-32	
12	3064452	2	WASHER, SPRING LOCK #6	
31	29680018	1	DIODE, #1N5624	D17
36	5128935	2	CIRCUIT BREAKER 10A ETA #1170-02-10A	CB62,66
37	5128936	6	CIRCUIT BREAKER 15A ETA #1170-02-15A	CB51,52,54,55 63,65
38	5128937	3	CIRCUIT BREAKER 20A ETA #1170-02-20A	CB53,61,64
39	5128938	1	CIRCUIT BREAKER 25A ETA #1170-02-25A	CB56
41	5158448	2	END CLAMP, SQUARE D #9080MH10	
43	81941108	1	RAIL, RELAY MOUNTING, SQUARE D #9080MH339, CUT TO 8"	
45	81941118	1	RAIL, RELAY MOUNTING, SQUARE D #9080MH339, CUT TO 18"	
46	2837613	5	SCREW, RD HD MACHINE #10-24 X 3/8" LG	
47	3048040	5	NUT, HEX MACHINE #10-24	
48	3064458	5	WASHER, SPRING LOCK #10	
49	53110007	2	FUSE PANEL ETA #12-J20-60	
51	5104995	2	BAR, BUSS, 13 POSITION ETA #Y30356311-13A	
52	31403662	2	INSULATOR, BUSS BAR ETA #Y30382410	
57	5159050	AR	JUMPER CURTIS #140J1 OR EQUIV.	
△ 60	61231261	7	RELAY, DPDT FINDER #40.52.9.024000	CR5,6,14,15, 16,33&34
61	5155168	8	SOCKET, RELAY FINDER #95.05	
64	61231274	8	MODULE, INDICATOR FINDER #99.02.0.024.59	
△ 65	5138100	2	FUSE HOLDER ALLEN-BRADLEY	
66	5129204	1	FUSE, 1A, 1/4 X 1-1/4 BUSSMANN AGC-1	F3
95	5128933	1	CIRCUIT BREAKER 6A ETA #1170-02-6A	CB57
96		1	FUSE PANEL ETA #12-J20	
△ 97	5129215	1	FUSE 15A, 1/4 x 1-1/4 BUSSMAN	F7
104	5166841	1	RECEPTACLE, 40-PIN DEUTSCH #DRC-14-40PA	P382
105	5166850	1	PLUG, 70-SOCKET DEUTSCH #DRC-16-70SA	P350
126	5166798	AR	SOCKET, 16 GA DEUTSCH #0462-201-16141	
130	5166791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	P382
142	5166762	1	CONNECTOR, MALE TOWER, 2-POLE PACKARD #12015792	P351
151	5166781	2	PIN, MALE PACKARD #12124582	
153	5166777	2	SEAL, 16 GA OR SMALLER PACKARD #12015284	
△ 198	61231262	1	RELAY, 16 AMP FINDER #40.61.9.024000	CR38

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES	 Oshawa THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7
FRACTION : 1/8 X : .06 XX : .03 XXX : .010	DESCRIPTION: ASSY, CC LEFT PANEL
SIZE : .010	SIZE : D SCALE : 1:1 DRAWING CODE NUMBER : 520289 REV. : A
250 / MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -
PLANE ANGLES +/- 1°	SHEET 2/3

ITEM 60, QTY 7 WAS 8 ITEM 65, QTY 2 WAS 1 ITEMS 97 & 198 ADDED	CP 03-DEC-08	80050
NEW ISSUE	CP 09-MAY-08	-
REV	CHANGE	DATE
	CHECKED BY:	DATE:
	APPROVED BY:	DATE:
	E.C.D. #	

NO. 520289

SHEET NO. 3/3

ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY BY NORDCO INC. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NORDCO INC.

CONNECTION LIST

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	P350 @ 6	TS1 - 2	2
16 AWG GREEN	P350 @ 12	TS1 - 2	2
14 AWG GREEN	P350 @ 15	TS1 - 2	2
14 AWG GREEN	P350 @ 17	TS1 - 2	2
14 AWG GREEN	P350 @ 19	TS1 - 2	2
14 AWG GREEN	P350 @ 21	TS1 - 2	2
16 AWG GREEN	P350 @ 27	TS1 - 2	2
14 AWG GREEN	P350 @ 29	TS1 - 2	2
16 AWG GREEN	P350 @ 40	TS1 - 2	2
14 AWG GREEN	P350 @ 46	TS1 - 2	2
16 AWG GREEN	CR5 @ A2	TS1 - 2	2
16 AWG GREEN	CR6 @ A2	CR5 @ A2	2
16 AWG GREEN	CR14 @ A2	CR6 @ A2	2
16 AWG GREEN	CR15 @ A2	CR14 @ A2	2
16 AWG GREEN	CR16 @ A2	CR15 @ A2	2
16 AWG GREEN	CR33 @ A2	CR16 @ A2	2
16 AWG GREEN	CR34 @ A2	CR33 @ A2	2
16 AWG GREEN	P350 @ 44	TS1-2	2
16 AWG GREEN	P350 @ 43	TS1-2	2
16 AWG RED	BUSS - 4	CB57 - 4	4
16 AWG RED	BUSS - 4	F7 - 4	4
14 AWG RED	CB53 - 21	P350 @ 45	21
14 AWG RED	CB54 - 22	CR38 @ 11	22
16 AWG RED	CR38 @ 11	CR38 @ 21	22
16 AWG RED	CB55 - 23	F3 - 23	23
16 AWG RED	F3 - 23	P350 @ 35	23
14 AWG RED	CB56 - 24	TS1 - 24	24
16 AWG RED	TS1 - 24	P351 @ A	24
14 AWG RED	TS1 - 24	P350 @ 11	24
16 AWG RED	CB61 - 25	CR5 @ 21	25
16 AWG RED	CR5 @ 21	P350 @ 55	25
16 AWG RED	CB62 - 26	P350 @ 14	26
14 AWG RED	CB63 - 27	P382 @ 30	27
16 AWG RED	CB64 - 28	P382 @ 31	28
16 AWG RED	CB65 - 29	CR16 @ 21	29
16 AWG RED	CR16 @ 21	CR33 @ 21	29
16 AWG RED	CR33 @ 21	P350 @ 20	29
16 AWG RED	CB66 - 30	P350 @ 26	30
16 AWG BLACK	CR6 @ 24	P350 @ 3	39
16 AWG BLACK	P350 @ 49	CR6 @ A1	42
16 AWG BLACK	F3 - 43	P350 @ 48	43
16 AWG BLACK	P351 @ B	P350 @ 13	50



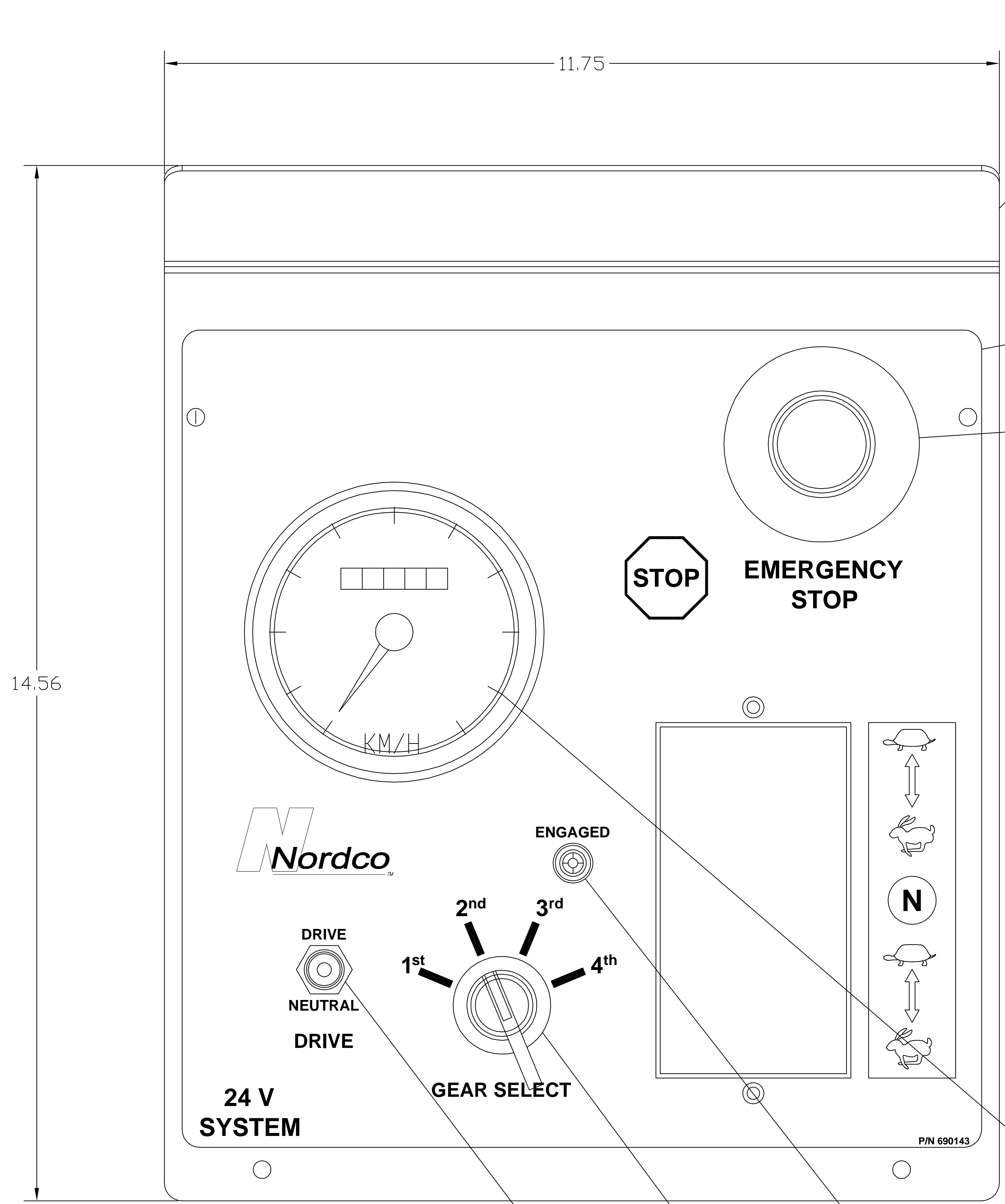
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	CR5 @ 22	TS1 - 51	51
16 AWG BLACK	TS1 - 51	P382 @ 28	51
16 AWG BLACK	P350 @ 22	CR16 @ A1	80
16 AWG BLACK	P350 @ 23	CR15 @ A1	81
16 AWG BLACK	CR15 @ 22	P350 @ 24	84
16 AWG BLACK	CR16 @ 22	CR14 @ 21	168
16 AWG BLACK	CR38 @ A1	P350 @ 7	196
16 AWG BLACK	P350 @ 58	P350 @ 64	263/426
16 AWG BLACK	P350 @ 57	P350 @ 63	265/425
16 AWG BLACK	P382 @ 4	P382 @ 21	267/432
16 AWG BLACK	P382 @ 3	P382 @ 22	269/431
16 AWG BLACK	P382 @ 2	P382 @ 23	271/430
16 AWG BLACK	P382 @ 1	P382 @ 24	273/429
16 AWG BLACK	P350 @ 25	CR14 @ A1	274
16 AWG BLACK	CR14 @ A1	CR14 @ 24	274
16 AWG BLACK	CR14 @ 14	CR15 @ 21	274
16 AWG BLACK	P350 @ 59	P350 @ 67	289/427
16 AWG BLACK	P350 @ 60	P350 @ 68	291/428
16 AWG BLACK	P382 @ 5	P382 @ 20	295/433
16 AWG BLACK	P382 @ 6	P382 @ 19	297/434
16 AWG BLACK	P382 @ 7	P382 @ 18	299/435
16 AWG BLACK	P382 @ 8	P382 @ 17	301/436
16 AWG BLACK	CR33 @ 24	CR34 @ 21	307
16 AWG BLACK	CR33 @ A1	TS1 - 321	321
16 AWG BLACK	TS1 - 321	P350 @ 31	321
16 AWG BLACK	TS1 - 321	D17 @ CATHODE	321
16 AWG RED	CB57 - 323	P350 @ 39	323
16 AWG BLACK	F7 - 326	P350 @ 52	326
16 AWG BLACK	P350 @ 34	TS1 - 329	329
16 AWG BLACK	TS1 - 329	CR34 @ A1	329
16 AWG BLACK	P350 @ 2	TS1 - 347	347
16 AWG BLACK	TS1 - 347	TS1 - 348	347/348
16 AWG BLACK	TS1 - 348	P350 @ 38	348
14 AWG BLACK	CR38 @ 14	P382 @ 29	369
16 AWG BLACK	P350 @ 1	CR6 @ 21	386
16 AWG BLACK	P350 @ 28	CR5 @ A1	392
16 AWG BLACK	D17 @ ANODE	TS1 - 415	415
16 AWG BLACK	TS1 - 415	CR5 @ 11	415
16 AWG BLACK	TS1 - 415	CR34 @ 12	415
16 AWG BLACK	P350 @ 8	CR5 @ 14	419



S/N 800304 & UP

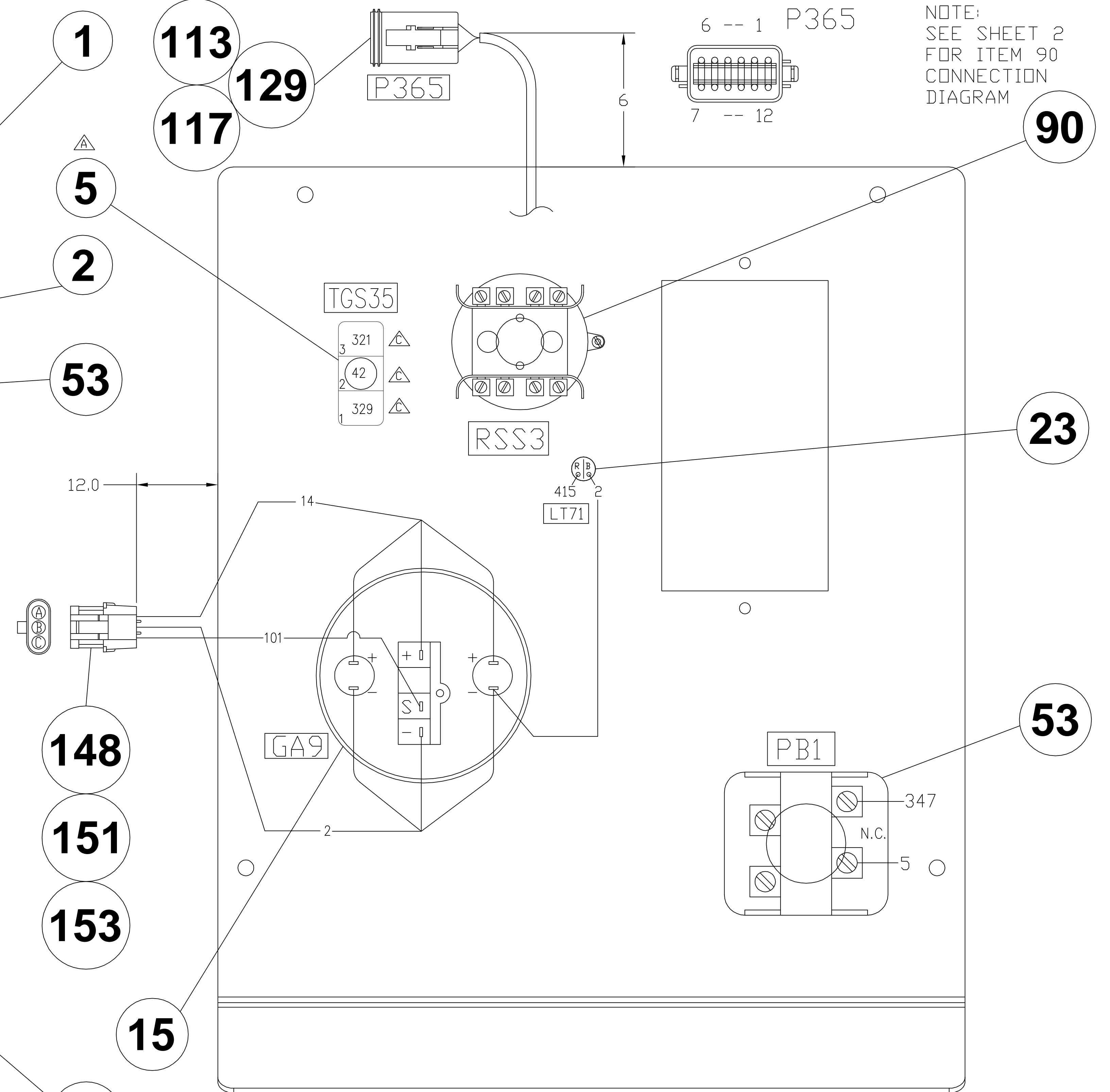
CUSTOMARY: ALL DIMENSIONS IN INCHES				PRODUCT: M7	
				DESCRIPTION: ASSY, CC LEFT PANEL	
IMPLIED TOLERANCES	FRACTION	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX .XXX	: 1/8 : .06 : .03 : .010	D	1:1	520289	A
		PLANE ANGLES +/- 1°		ASSEMBLY: -	SHEET 3/3

WIRE 4, BUSS-4 TO F7-4 AND WIRE 326 ADDED	CP 03-DEC-08	80050
NEW ISSUE	CP 09-MAY-08	-
REV	CHANGE	DATE
CHECKED BY:	DATE:	E.C.D. #

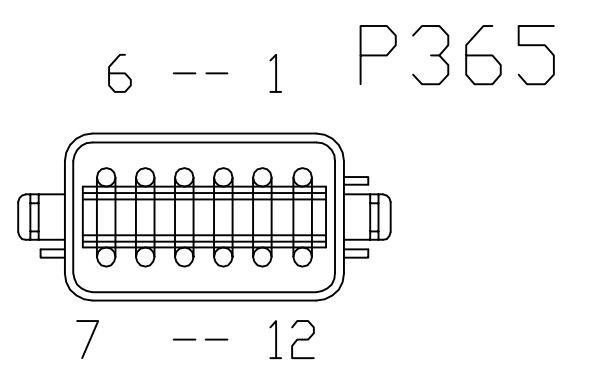


11.75

14.56



FLIP DOWN VIEW



NOTE:
SEE SHEET 2
FOR ITEM 90
CONNECTION
DIAGRAM

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
DESCRIPTION: ASSY, CC UPPER PANEL		SIZE SCALE DRAWING CODE NUMBER REV.		
D 1:1 520214 C		ASSEMBLY: - SHEET 1/2		

REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.D. #	PLANE ANGLES +/- 1°
MF					

△	TGS35, WIRE NUMBERS REARRANGED (321 WAS 329, 42 WAS 321 AND 329 WAS 42)	CP	10-FEB-09	80099
△	NO CHANGE THIS SHEET	CP	JW, 10-JUN-08 06-JUN-08	
△	FLIPED 329 & 42 ON ITEM 5	AJB	CP, 05-OCT-07	
△	NEW ISSUE	JWW	CP, 22-SEP-06	

CONNECTION LIST

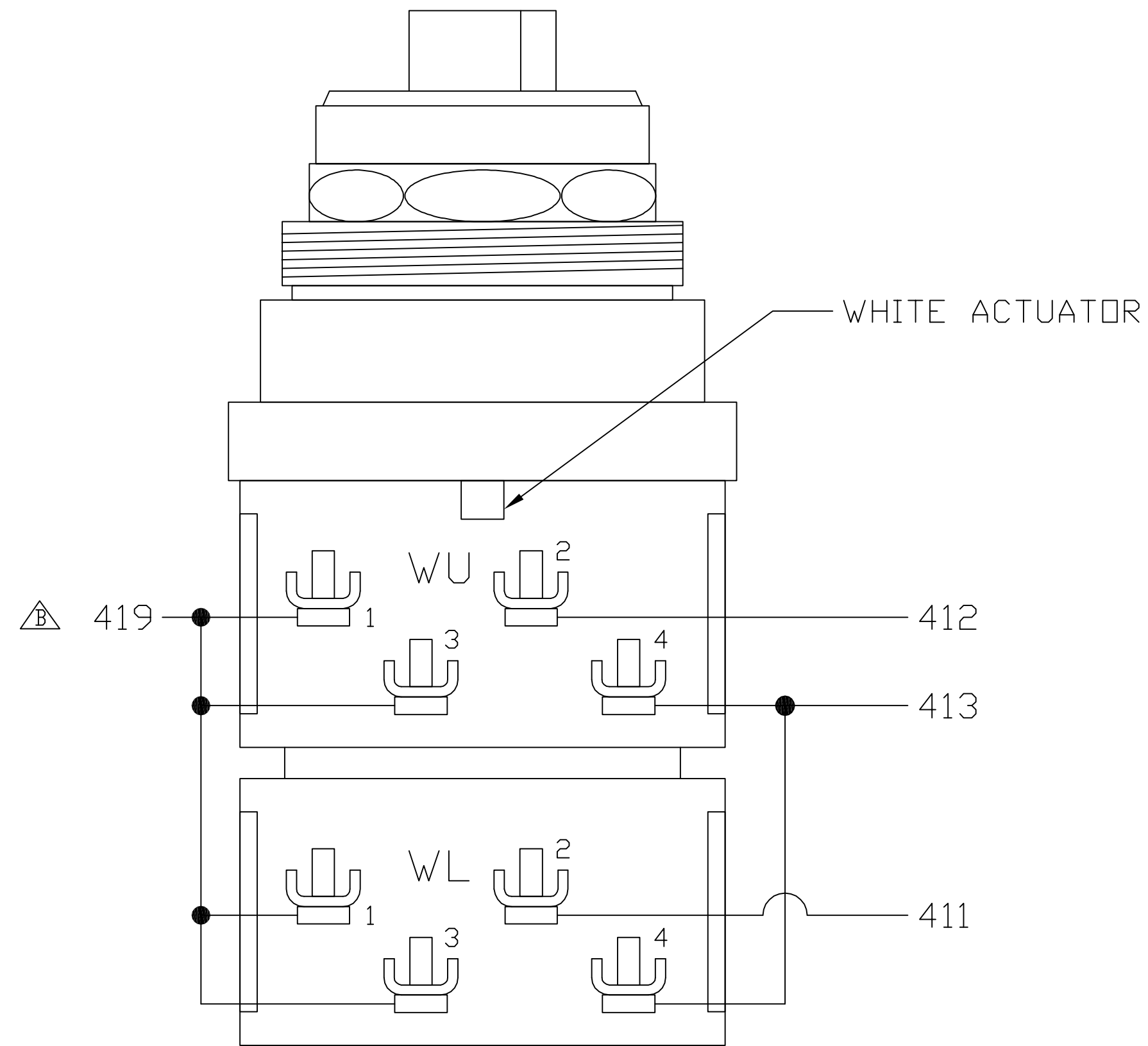
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	P371 @ 2	GA9 @ -	2
16 AWG GREEN	GA9 @ -	GA9 @ LT-	2
16 AWG GREEN	GA9 @ LT-	GA9 @ LT-	2
16 AWG GREEN	GA9 @ LT-	LT71 @ -	2
16 AWG RED	P365 @ 1	PB1 - 5	5
16 AWG RED	P371 @ 1	GA9 @ +	14
16 AWG RED	GA9 @ +	GA9 @ LT+	14
16 AWG RED	GA9 @ LT+	GA9 @ LT+	14
16 AWG BLACK	P365 @ 3	TGS35 @ 2	42
16 AWG BLACK	GA9 @ S	P371 @ 3	101
16 AWG BLACK	TGS35 @ 3	P365 @ 8	321
16 AWG BLACK	TGS35 @ 1	P365 @ 7	329
16 AWG BLACK	PB1 - 347	P365 @ 2	347
16 AWG BLACK	RSS3 - 411	RSS3 - 411	411
16 AWG BLACK	RSS3 - 411	P365 @ 9	411
16 AWG BLACK	RSS3 - 412	RSS3 - 412	412
16 AWG BLACK	RSS3 - 412	P365 @ 10	412
16 AWG BLACK	RSS3 - 413	RSS3 - 413	413
16 AWG BLACK	RSS3 - 413	P365 @ 11	413
16 AWG BLACK	RSS3 - 414	RSS3 - 414	414
16 AWG BLACK	RSS3 - 414	P365 @ 12	414
16 AWG BLACK	LT71 @ +	RSS3 @ WU1	419
16 AWG BLACK	RSS3 @ WU1	RSS3 @ WU3	419
16 AWG BLACK	RSS3 @ WU3	RSS3 @ WL1	419
16 AWG BLACK	RSS3 @ WL1	RSS3 @ WL3	419
16 AWG BLACK	RSS3 @ WL3	RSS3 @ BU1	419
16 AWG BLACK	RSS3 @ BU1	RSS3 @ BU3	419
16 AWG BLACK	RSS3 @ BU3	RSS3 @ BL1	419
16 AWG BLACK	RSS3 @ BL1	RSS3 @ BL3	419
16 AWG BLACK	RSS3 @ BL3	P365 @ 6	419

BILL OF MATERIALS

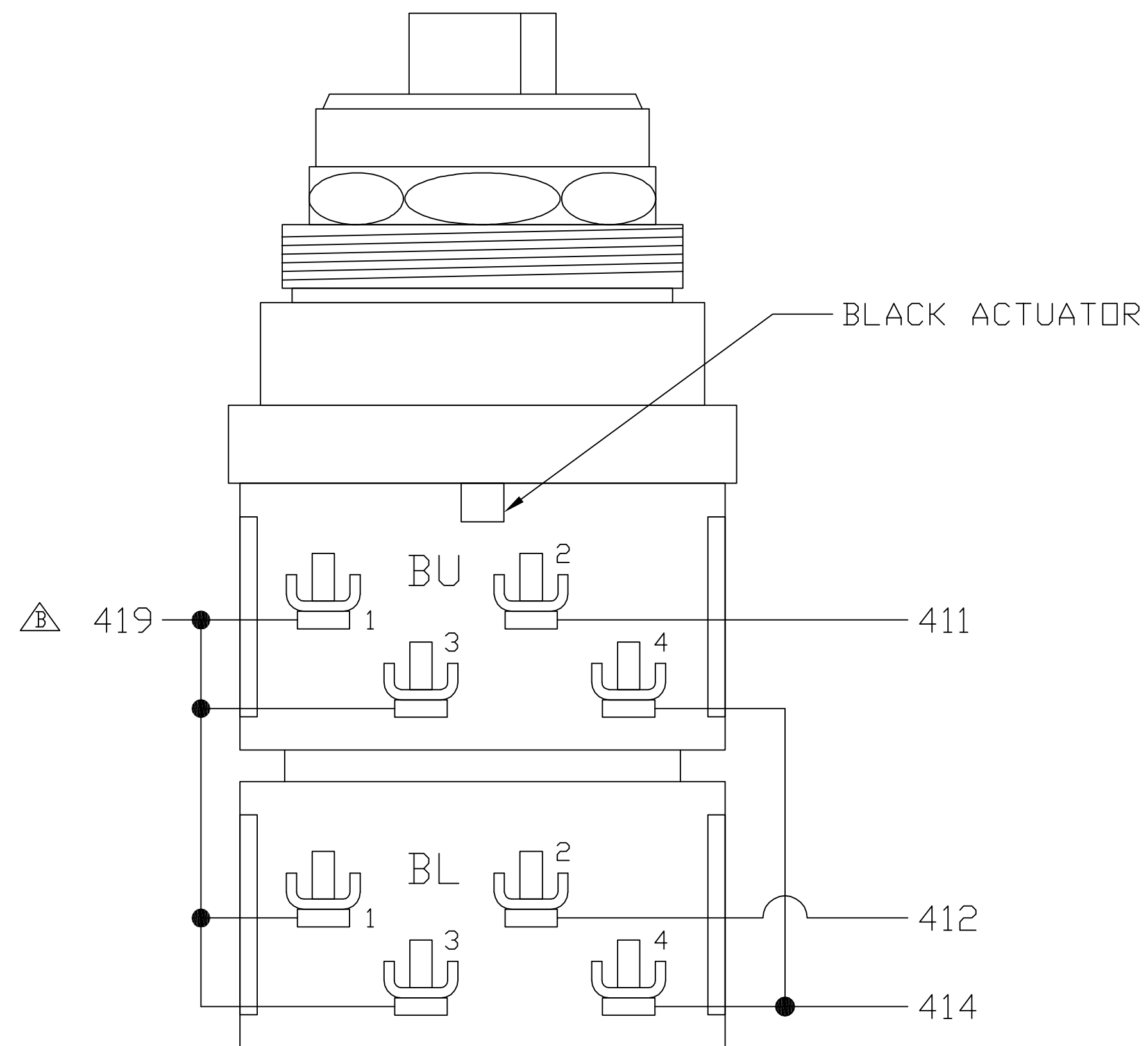
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700378	1	PANEL, CENTER CONSOLE UPPER	
2	690143	1	PLAQUE, CENTER CONSOLE UPPER	
5	5125 590	1	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS35,36
15	7085 942	1	GAUGE, SPEEDOMETER, 0-85 MPH, 24V DANIN #308017	GA9
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT71
53	5126 636	1	PUSHBUTTON, EMERG STOP AB #800T-FXJ6A1	PB1
90	520195	1	SWITCH, ROTARY, 4-POSITION A-B #800T-N17KF4C	RSS3
113	5166 822	1	PLUG, 12-PIN DEUTSCH #DT06-12S	
117	5112 942	1	LOCKING WEDGE, FOR 12 SOCKET PLUG DEUTSCH #W12S	P365
129	5166 796	11	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	
148	5166 773	1	CONNECTOR, FEMALE SHROUD, 3-POLE PACKARD #12020829	
151	5166 781	3	PIN, MALE PACKARD #12124582	P371
153	5166 777	3	SEAL, 16 GA OR SMALLER PACKARD #12015284	
185	5170 240	AR	CABLE TIES	

NOTES:

- USE CABLE TIES, ITEM 185, AS REQUIRED.
- ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
- ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
- ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
- ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
- ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
- APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
- WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
- ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.



RSS3

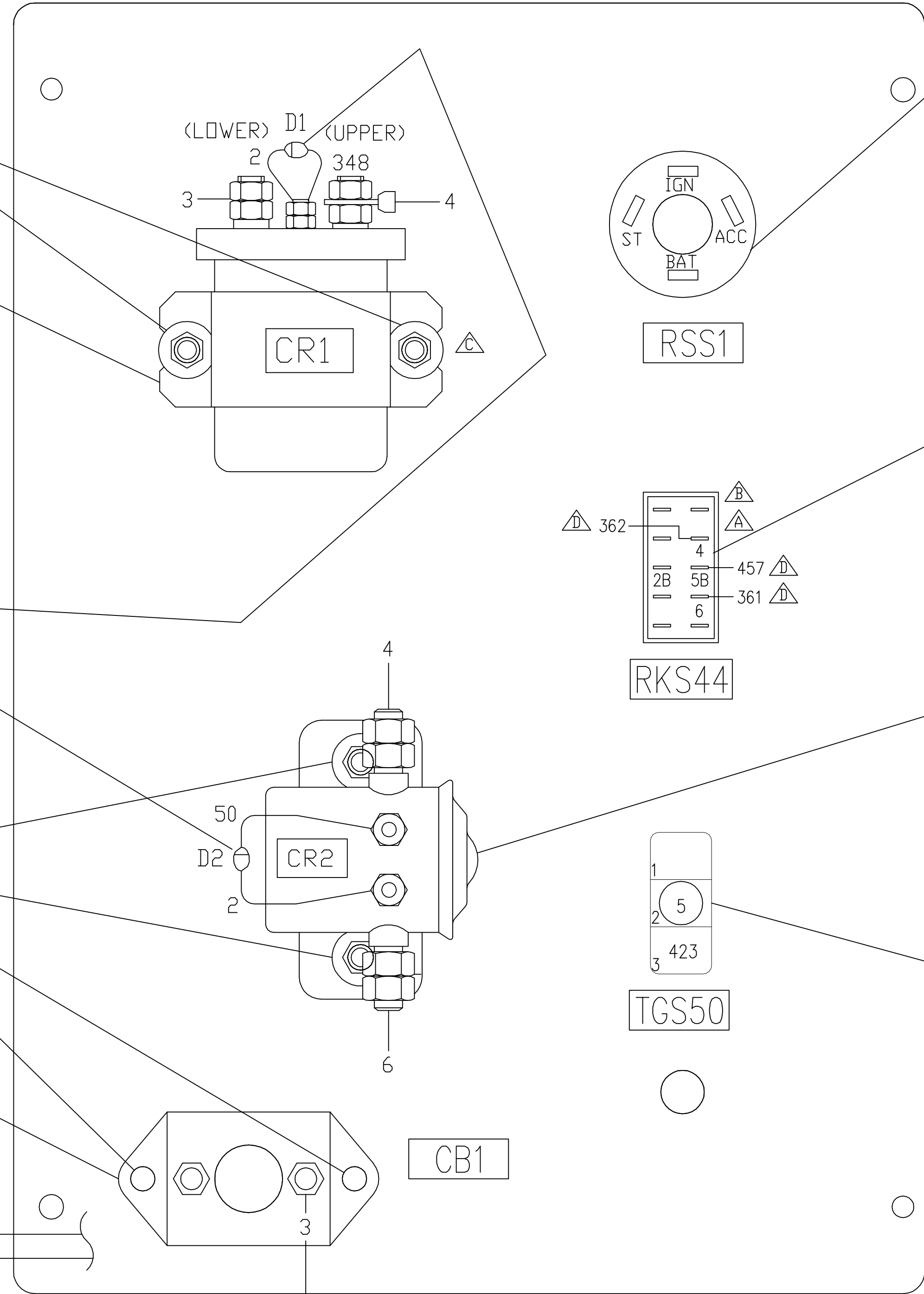


RSS3

WIRE 321, TGS35#2 WAS TGS35#2	CP	10-FEB-09	80099	CUSTOMARY: ALL DIMENSIONS IN INCHES	Nordco Oshawa THIRD ANGLE PROJECTION
TGS35 @ 2 WAS TGS 35 @ 3 (WIRE 42) P365 @ 11 WAS P365 @ 9 (WIRE 413) P365 @ 12 WAS P365 @ 9 WIRE 419 WAS 413 & WIRE 419 WAS 415	CP	06-JUN-08	-	IMPLIED TOLERANCES FRACTION : 1/8 X : .06 XX : .03 XXX : .010	PRODUCT: M7 DESCRIPTION: ASSY, CC UPPER PANEL
TGS35 @ 2 WAS TGS 35 @ 1 (WIRE 42) TGS35 @ 1 WAS TGS 35 @ 3 (WIRE 329) ITEM 90 #800T-N17KF4C WAS #800T-N17KF4B ITEM 117: 5112 942 WAS 5166 942	AJB	21-SEP-07	-	SIZE SCALE DRAWING CODE NUMBER REV.	D 1:1 520214 C
NEW ISSUE	JWW	22-SEP-06	-	250 / MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -
MF REV	CHANGE	CHECKED BY: DATE:	DATE:	E.C.D. #	SHEET 2/2

72 73 74 75

29



76

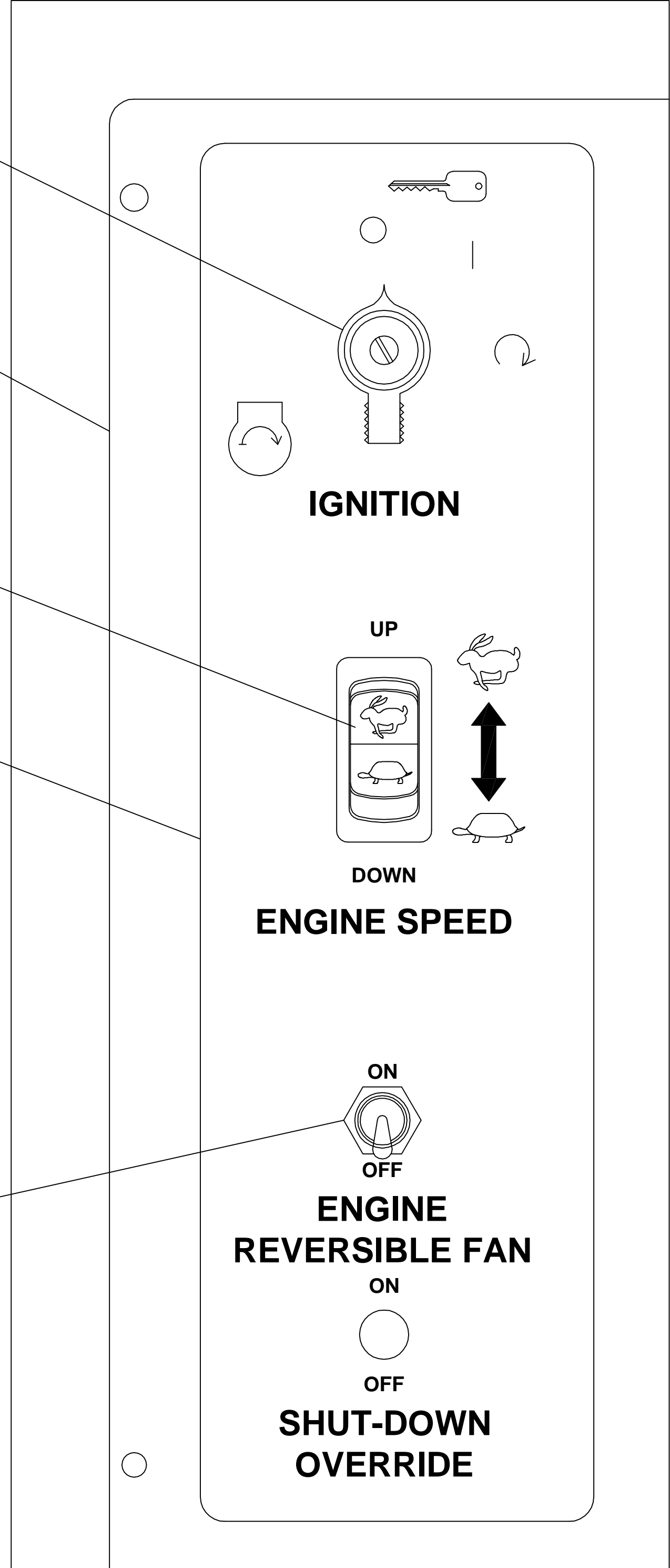
1

94

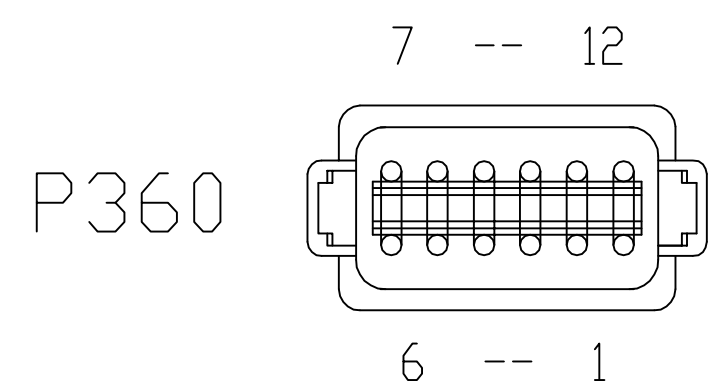
2

30

3



OPERATOR VIEW



118
114 130

71

92 93

F11

344

NO CHANGE THIS SHEET	CP 10-FEB-09	80099	CUSTOMARY:	Oshawa Nordco	THIRD ANGLE PROJECTION
RKS44, ADDED WIRE #457 REPOSITION WIRES #361 AND #362	CP 03-DEC-08	80050	ALL DIMENSIONS IN INCHES		
ITEM 29 ROTATE 180° TO MEET MANUFACTURER MOUNTING SPECIFICATION	CP 25-SEP-08	80050	IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: ASSY, CC RIGHT PANEL
REMOVED ITEM 5 ADDED ITEMS 3, 92, 93 & 94	CP 02-MAY-08	-	FRACTION : 1/8 X : .06 XX : .03 XXX : .010	SIZE	
FLIPPED 396 WITH 397 ON ITEM 5 REMOVED ITEM 77, 188, 189, 190 & 191	AJB 21-SEP-07	-	250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	1:1
NEW ISSUE	JWW 22-SEP-06	-	PLANE ANGLES +/- 1°	520215	E
MF REV CHANGE	DRAWN BY: DATE: CHECKED BY: DATE: E.C.D. #	ASSEMBLY: -	SHEET 1/2		

BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700379	1	PANEL, CENTER CONSOLE UPPER	
2	690144	1	PLAQUE, CENTER CONSOLE UPPER	
3	5125 587	1	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS50
5				
29	6123 1211	1	RELAY, MAIN POWER, 200A / 24V NEWARK #44F3648	CR1
30	6123 1201	1	RELAY, ELECT. INTERLOCK, 100A / 24V COLE HERSEE #24063	CR2
31	2968 0018	2	DIODE, #1N5624	D1,D2
71	520201	1	BREAKER, CIRCUIT, MAIN 90A TI KLIXON #SDLM-90	CB1
72	2774 271	4	CAPSCREW, HEX HD.. 1/4-20 X 3/4" LG.	
73	3060 465	4	WASHER, SAE 1/4"	
74	3064 465	4	WASHER, SPRING LOCK 1/4"	
75	3001 011	4	NUT, HEX 1/4-20	
76	5126 082	1	SWITCH, IGNITION COLE HERSEE #95612	RSS1
77				
92	520287	1	FUSE HOLDER, IN LINE WATERPROOF BUSSMANN #HFB	F11
93	520286	1	FUSE, FAST-ACTING 25A BUSSMANN #ABC-25-R	
94				
114	5166 812	1	RECEPTACLE, 12-PIN DEUTSCH #DT04-12P	P360
118	5166 932	1	LOCKING WEDGE, FOR 12 PIN RECEPTACLE DEUTSCH #W12P	
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
185	5170 240	AR	CABLE TIES	
188				
189				
190				
191				

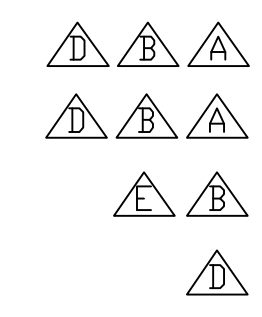
NOTES:

1. USE CABLE TIES, ITEM 185, AS REQUIRED.
2. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
3. ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
4. ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
5. ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
6. ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
7. APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
8. WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
9. ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.

CONNECTION LIST

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	D2 @ ANODE	CR2 - 2	2
16 AWG GREEN	D1 @ ANODE	CR1 - 2	2
16 AWG GREEN	CR1 - 2	CR2 - 2	2
16 AWG GREEN	CR2 - 2	P360 @ 1	2
4 AWG RED	CB1 - 3	CR1 - 3	3
16 AWG RED	CR1 - 3	RSS1 @ BAT	3
12 AWG RED	CB1 - 3	F11 @ 3	3
10 AWG RED	CR1 - 4	CR2 - 4	4
16 AWG RED	RSS1 @ IGN	P360 @ 2	5
16 AWG RED	RSS1 @ IGN	TGS50 @ 2	5
16 AWG BLACK	RSS1 @ ST	P360 @ 3	41
16 AWG BLACK	P360 @ 9	CR2 - 50	50
16 AWG BLACK	CR2 - 50	D2 @ CATHODE	50

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	P360 @ 10	CR1 - 348	348
16 AWG BLACK	CR1 - 348	D1 @ CATHODE	348
16 AWG BLACK	RKS44 @ 6	P360 @ 6	361
16 AWG BLACK	RKS44 @ 4	P360 @ 7	362
16 AWG RED	RSS1 @ IGN	TGS50 @ 3	423
16 AWG BLACK	RKS44@5B	P360 @ 11	457



ADDED WIRE #5 FROM RSS1 @ IGN TO P360 @ 2 WIRE #423, TGS50 @ 3 WAS P360 @ 12	CP 10-FEB-09	80099	<p>THIRD ANGLE PROJECTION</p>
REMOVED ITEM 94 FROM BOM REMOVED WIRE #4, CR2-4 TO P360@11 WIRE 361, RKS44@6 WAS #5B WIRE 362, RKS44@4 WAS #2B WIRE #457 ADDED	CP 03-DEC-08	80050	
NO CHANGE THIS SHEET	CP 25-SEP-08	80050	
REMOVED ITEM 5 REMOVED WIRES 396, 397 & 398 ADDED ITEMS 3, 92, 93 & 94 ADDED WIRES 3, 361, 362 & 423 WIRE 5, TGS 50 @ 5 WAS P360 @ 2	CP 02-MAY-08	-	<p>IMPLIED TOLERANCES</p> <p>FRACTION : 1/8 X : .06 XX : .03 XXX : .010</p>
REMOVED ITEM 77, 188, 189, 190 & 191 TGS44 @ 3 WAS TGS44 @ 3 (WIRE 396) TGS44 @ 1 WAS TGS44 @ 3 (WIRE 397)	AJB 21-SEP-07	-	
NEW ISSUE	JWW 22-SEP-06	-	<p>250 / MACHINE FINISH UNLESS OTHERWISE STATED</p>
MF REV CHANGE	DRAWN BY: DATE: CHECKED BY: DATE: E.C.D. #	PLANE ANGLES +/- 1'	<p>ASSEMBLY: -</p>

CUSTOMARY: ALL DIMENSIONS IN INCHES

PRODUCT: M7

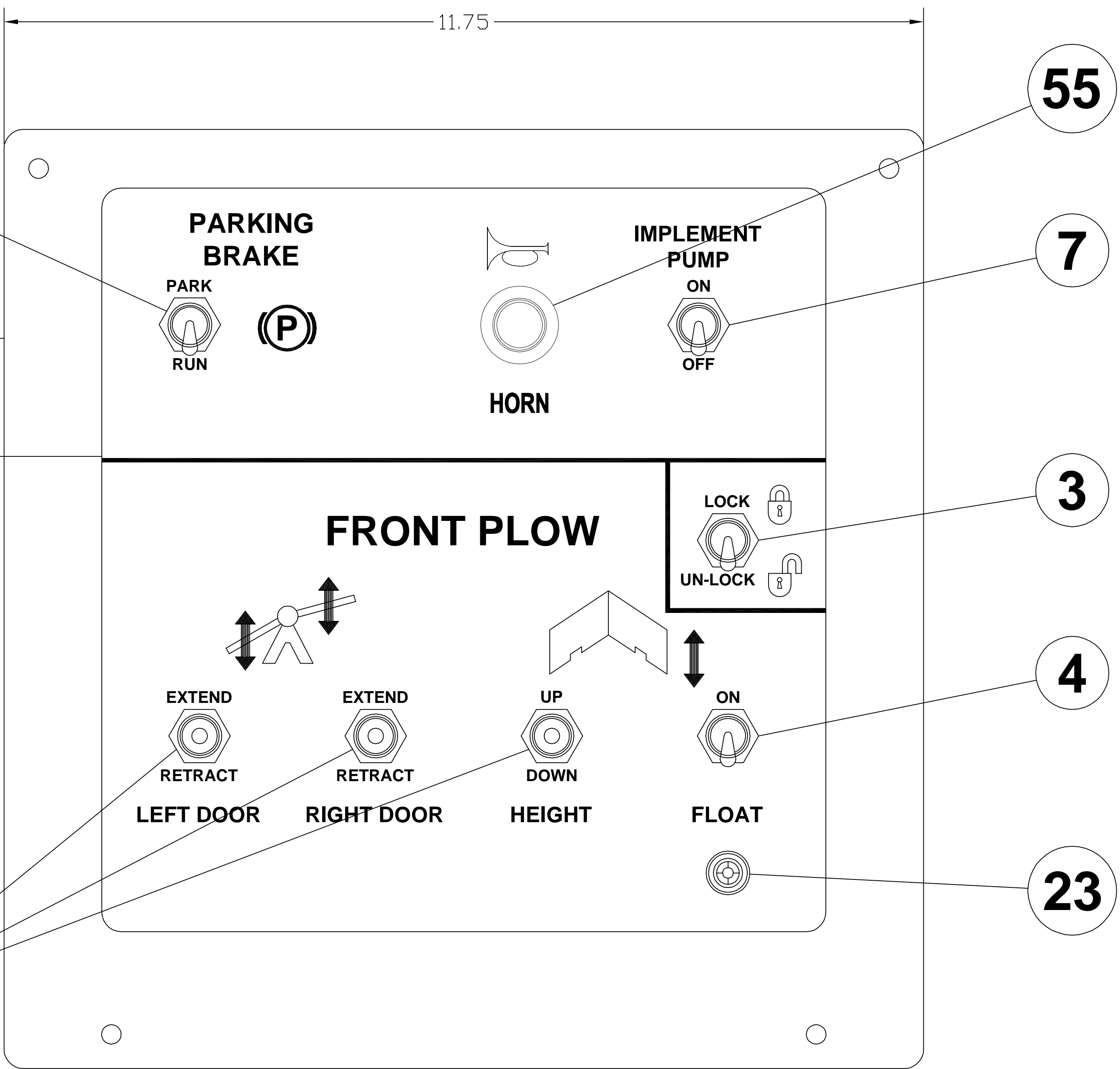
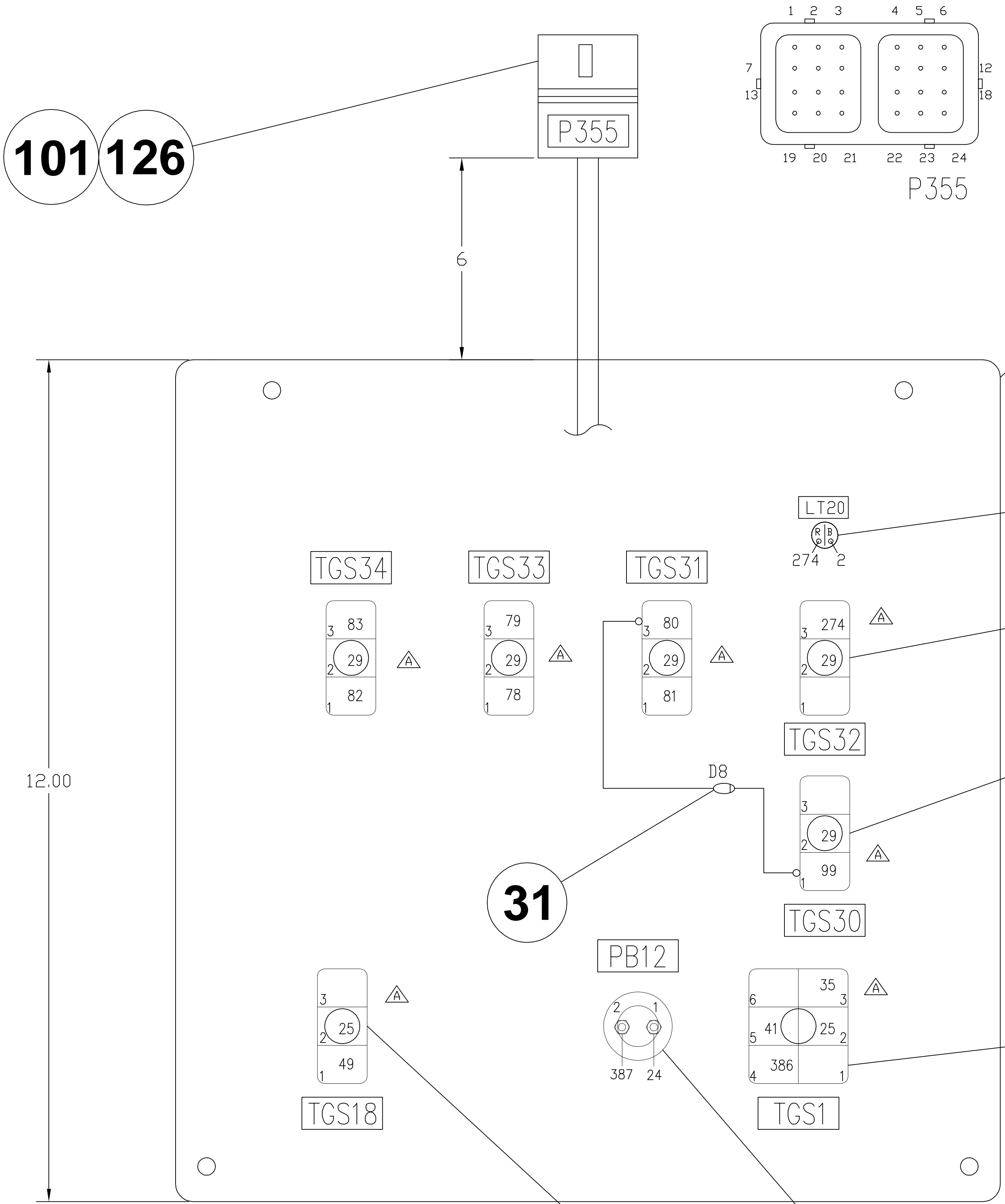
DESCRIPTION: ASSY, CC RIGHT PANEL

SIZE: D 1:1

DRAWING CODE NUMBER: 520215

REV: E

SHEET 2/2



FLIP DOWN VIEW

CUSTOMARY: ALL DIMENSIONS IN INCHES IMPLIED TOLERANCES: FRACTION: 1/8, .06, .03, .010 SIZE: D, SCALE: 1:1, DRAWING CODE NUMBER: 520216, REV: A		Oshawa Nordco PRODUCT: M7 DESCRIPTION: ASSY, CC FRONT PANEL		THIRD ANGLE PROJECTION	
NEW ISSUE JWW 22-SEP-06	A JB 21-SEP-07	CP, 22-SEP-06	DATE: 22-SEP-06	E.C.D. #	ASSEMBLY: - SHEET 1/2

CONNECTION LIST

WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	P355 @ 17	LT20 @ -	2
14 AWG RED	P355 @ 5	PB12 - 24	24
16 AWG RED	P355 @ 1	TGS1 @ 2	25
16 AWG RED	TGS1 @ 2	TGS18 @ 2	25
16 AWG RED	P355 @ 7	TGS30 @ 2	29
16 AWG RED	TGS30 @ 2	TGS31 @ 2	29
16 AWG RED	TGS31 @ 2	TGS32 @ 2	29
16 AWG RED	TGS32 @ 2	TGS33 @ 2	29
16 AWG RED	TGS33 @ 2	TGS34 @ 2	29
△ 16 AWG BLACK	TGS1 @ 3	P355 @ 2	35
16 AWG BLACK	P355 @ 3	TGS1 @ 5	41
△ 16 AWG BLACK	TGS18 @ 1	P355 @ 8	49
△ 16 AWG BLACK	TGS33 @ 1	P355 @ 13	78
△ 16 AWG BLACK	TGS33 @ 3	P355 @ 12	79
△ 16 AWG BLACK	TGS31 @ 3	D8 @ ANODE	80
△ 16 AWG BLACK	TGS31 @ 3	P355 @ 10	80
△ 16 AWG BLACK	TGS31 @ 1	P355 @ 11	81
△ 16 AWG BLACK	TGS34 @ 1	P355 @ 15	82
△ 16 AWG BLACK	TGS34 @ 3	P355 @ 14	83
△ 16 AWG BLACK	TGS30 @ 1	D8 @ CATHODE	99
△ 16 AWG BLACK	TGS30 @ 1	P355 @ 9	99
△ 16 AWG BLACK	TGS32 @ 3	P355 @ 16	274
△ 16 AWG BLACK	TGS32 @ 3	LT20 @ +	274
△ 16 AWG BLACK	TGS1 @ 4	P355 @ 4	386
14 AWG BLACK	PB12 - 387	P355 @ 6	387

BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700380	1	PANEL, CENTER CONSOLE FRONT	
2	690145	1	PLAQUE, CENTER CONSOLE FRONT	
3	5125 587	2	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS18,30
4	5125 592	1	SWITCH, TOGGLE CH#8500K11 SPDT (ON)-ON	TGS32
5	5125 590	3	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS31,33,34
7	5125 579	1	SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS1
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT20
31	2968 0018	1	DIODE, #1N5624	D8
△ 55	5125 960	1	PUSHBUTTON, HORN, COLE HERSEE #9216-03	PB12
101	5166 838	1	PLUG, 24-PIN DEUTSCH #DRC-16-24SA	P355
126	5166 798	AR	SOCKET, 16 GA DEUTSCH #0462-201-16141	

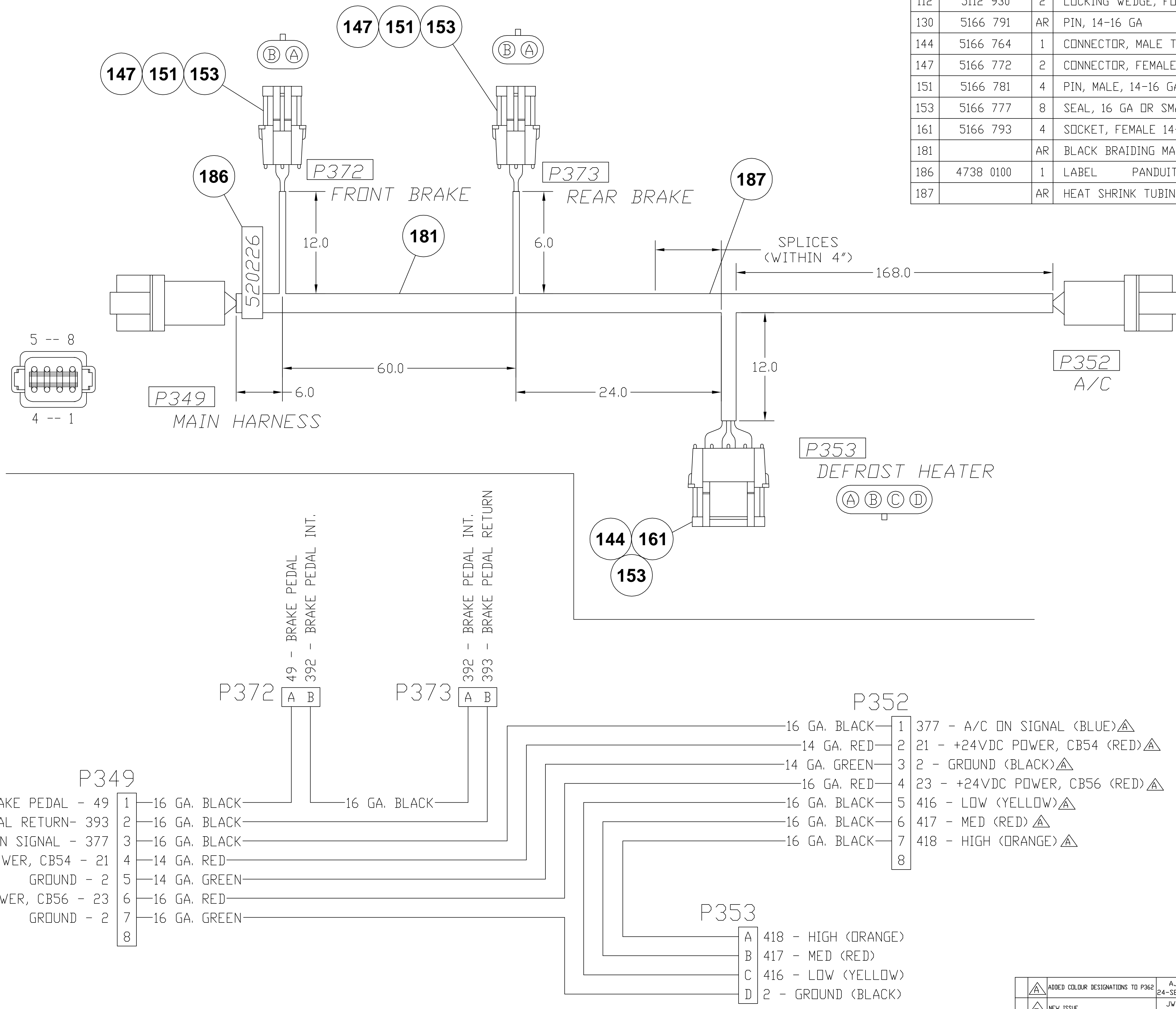
NOTES:

- USE CABLE TIES, ITEM 185, AS REQUIRED.
- ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
- ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
- ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE MOVEMENT OF THE PANEL. ALL WIRES AND DEVICES TO BE NO CLOSER THAN 1" TO ANY OUTSIDE EDGE OF THE PANEL.
- ALL MOUNTING HARDWARE TO BE ORIENTED WITH THE BOLT HEADS ON THE OUTSIDE OF THE PANEL.
- ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
- APPLY HEAT SHRINK MATERIAL OVER ALL DIODES AND CAPACITORS (INDIVIDUALLY) TO ELIMINATE ANY BARE WIRES. LABEL WIRES ON ANODE SIDE OF EACH DIODE AS CLOSE AS POSSIBLE TO HEAT SHRINK.
- WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
- ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.

△ NEW ISSUE △ CHANGE	TGS1 @ 3 WAS TGS1 @ 1, TGS18 @ 1 WAS TGS 18 @ 1 TGS33 @ 1 WAS TGS33 @ 3 (WIRE 78), TGS33 @ 3 WAS TGS33 @ 1 (WIRE 79) TGS31 @ 3 WAS TGS31 @ 1 (WIRE 80), TGS31 @ 3 WAS TGS31 @ 1 (WIRE 80) TGS31 @ 3 WAS TGS31 @ 1, TGS34 @ 1 WAS TGS34 @ 3 (WIRE 82) TGS34 @ 3 WAS TGS34 @ 1 (WIRE 83), TGS30 @ 1 WAS TGS30 @ 3, TGS30 @ 1 WAS TGS30 @ 1, TGS32 @ 3 WAS TGS32 @ 1 TGS32 @ 4 WAS TGS32 @ 3, TGS1 @ 4 WAS TGS1 @ 6 ITEM 55, 5125 960 WAS 5126 960	AJB	21-SEP-07	-				
		JWW	22-SEP-06	CP	22-SEP-06	-	250	MACHINE FINISH UNLESS OTHERWISE STATED
MF	REV	DATE	DATE	DATE	DATE	E.C.D. #	PLANE ANGLES +/- 1°	ASSEMBLY: -

CUSTOMARY: ALL DIMENSIONS IN INCHES	Oshawa Nordco	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: ASSY, CC FRONT PANEL
FRACTION : 1/8 X : .06 XX : .03 XXX : .010	SIZE : D	SCALE : 1:1
	DRAWING CODE NUMBER : 520216	REV. : A
	SHEET 2/2	

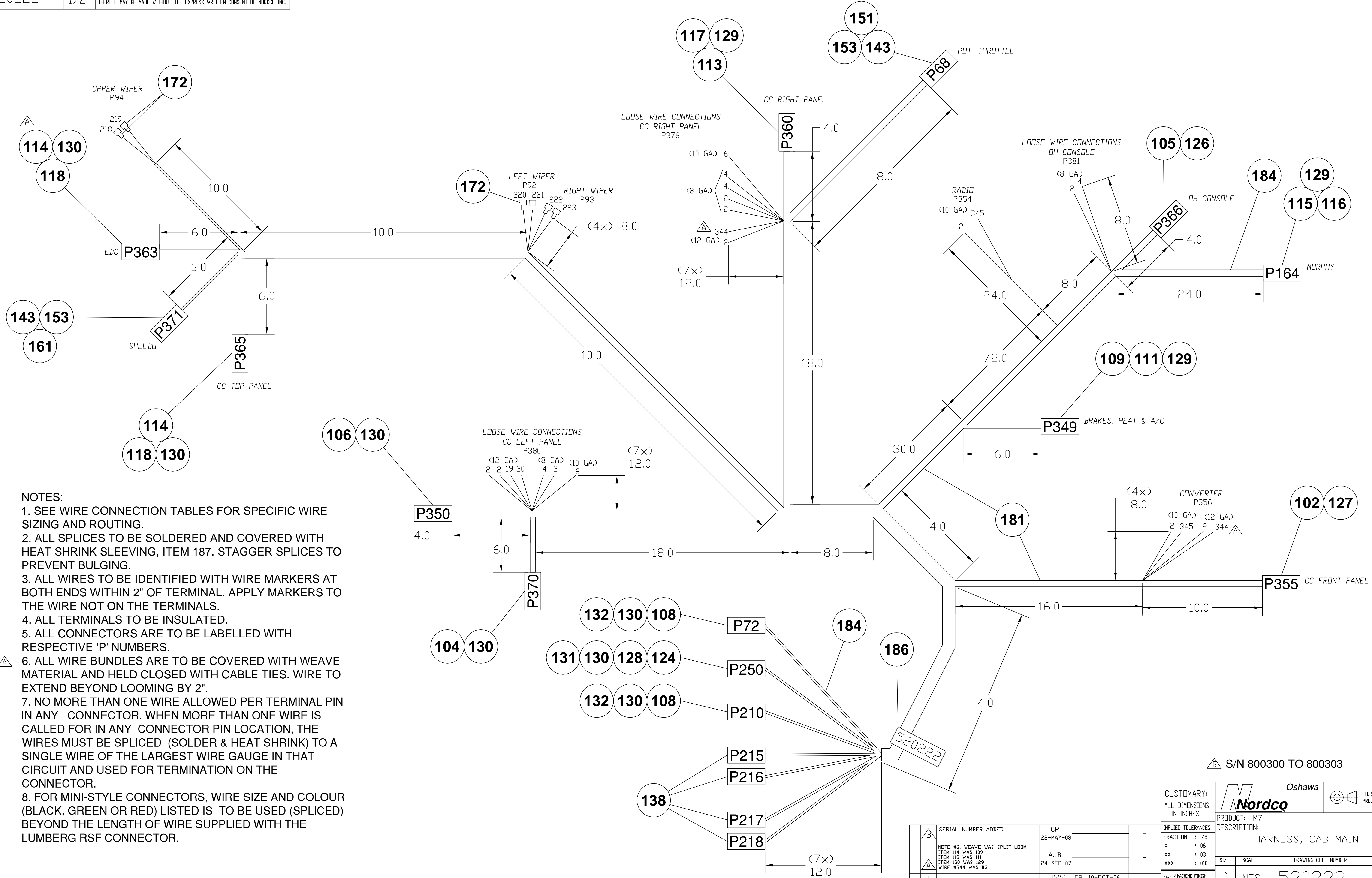
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
110	5166 808	2	RECEPTACLE, 8-PIN DEUTSCH #DT04-8P	P349,P352
112	5112 930	2	LOCKING WEDGE, FOR 8 PIN RECEPTACLE DEUTSCH #W8P	
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
144	5166 764	1	CONNECTOR, MALE TOWER, 4-POLE PACKARD #12015797	P353
147	5166 772	2	CONNECTOR, FEMALE SHROUD, 2-POLE PACKARD #12015792 / 12010973	P372, P373
151	5166 781	4	PIN, MALE, 14-16 GA. PACKARD #12124582	
153	5166 777	8	SEAL, 16 GA OR SMALLER PACKARD #12015284	
161	5166 793	4	SOCKET, FEMALE 14-16 GA. PACKARD #12124580	
181		AR	BLACK BRAIDING MATERIAL	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	
187		AR	HEAT SHRINK TUBING 1/4" POLYOLEFIN	



- NOTE:**
1. ATTACH PANDUIT LABEL (ITEM 186) NEAR P349 END.
 2. LABEL ALL WIRES WITHIN 2 INCHES OF BOTH ENDS. LABEL ON WIRE, NOT TERMINAL
 3. WIRE TO BE STRANDED COPPER, SXL OR GXL TYPE OR APPROVED EQUIV. GAUGE AND COLOURS AS INDICATED.
 4. SPLICES TO BE IN LOCATIONS INDICATED. ALL SPLICES TO BE SOLDERED AND WRAPPED WITH HEAT SHRINK ITEM 187. STAGGER SPLICES TO PREVENT BULGING.
 5. LABEL ALL CONNECTORS.
 6. COLOURS INDICATED AT P353 & P352 ARE FOR REFERENCE ONLY.

Item	Wire Description	Item	Wire Description
P349	1 - 16 GA. BLACK - BRAKE PEDAL - 49	P352	1 - 16 GA. BLACK - 377 - A/C ON SIGNAL (BLUE) ⚠
	2 - 16 GA. BLACK - BRAKE PEDAL RETURN - 393		2 - 14 GA. RED - 21 - +24VDC POWER, CB54 (RED) ⚠
	3 - 16 GA. BLACK - A/C ON SIGNAL - 377		3 - 14 GA. GREEN - 2 - GROUND (BLACK) ⚠
	4 - 14 GA. RED - +24VDC POWER, CB54 - 21		4 - 16 GA. RED - 23 - +24VDC POWER, CB56 (RED) ⚠
	5 - 14 GA. GREEN - GROUND - 2		5 - 16 GA. BLACK - 416 - LOW (YELLOW) ⚠
	6 - 16 GA. RED - +24VDC POWER, CB56 - 23		6 - 16 GA. BLACK - 417 - MED (RED) ⚠
	7 - 16 GA. GREEN - GROUND - 2		7 - 16 GA. BLACK - 418 - HIGH (ORANGE) ⚠
	8 - 16 GA. GREEN - GROUND - 2		8 - 2 - GROUND (BLACK)
P372	A - 16 GA. BLACK - BRAKE PEDAL INT. - 49	P353	A - 418 - HIGH (ORANGE)
	B - 16 GA. BLACK - BRAKE PEDAL INT. - 392		B - 417 - MED (RED)
P373	A - 16 GA. BLACK - BRAKE PEDAL INT. - 392		C - 416 - LOW (YELLOW)
	B - 16 GA. BLACK - BRAKE PEDAL RETURN - 393		D - 2 - GROUND (BLACK)

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	DESCRIPTION:	HARNES, BRAKE PEDALS, DEFROST AND A/C		
1/8	SIZE	SCALE	DRAWING CODE NUMBER	
XX	NTS		520226	
.XX			REV.	A
.XXX			SHEET 1/1	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	DATE: 24-SEP-07	DATE: 13-OCT-06		
DATE: 13-OCT-06	DATE:	DATE:		
DATE:	DATE:	DATE:		
DATE:	DATE:	DATE:		



- NOTES:**
1. SEE WIRE CONNECTION TABLES FOR SPECIFIC WIRE SIZING AND ROUTING.
 2. ALL SPLICES TO BE SOLDERED AND COVERED WITH HEAT SHRINK SLEEVING, ITEM 187. STAGGER SPLICES TO PREVENT BULGING.
 3. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS WITHIN 2" OF TERMINAL. APPLY MARKERS TO THE WIRE NOT ON THE TERMINALS.
 4. ALL TERMINALS TO BE INSULATED.
 5. ALL CONNECTORS ARE TO BE LABELLED WITH RESPECTIVE 'P' NUMBERS.
 6. ALL WIRE BUNDLES ARE TO BE COVERED WITH WEAVE MATERIAL AND HELD CLOSED WITH CABLE TIES. WIRE TO EXTEND BEYOND LOOMING BY 2".
 7. NO MORE THAN ONE WIRE ALLOWED PER TERMINAL PIN IN ANY CONNECTOR. WHEN MORE THAN ONE WIRE IS CALLED FOR IN ANY CONNECTOR PIN LOCATION, THE WIRES MUST BE SPLICED (SOLDER & HEAT SHRINK) TO A SINGLE WIRE OF THE LARGEST WIRE GAUGE IN THAT CIRCUIT AND USED FOR TERMINATION ON THE CONNECTOR.
 8. FOR MINI-STYLE CONNECTORS, WIRE SIZE AND COLOUR (BLACK, GREEN OR RED) LISTED IS TO BE USED (SPLICED) BEYOND THE LENGTH OF WIRE SUPPLIED WITH THE LUMBERG RSF CONNECTOR.

SERIAL NUMBER ADDED 22-MAY-08 CP		IMPLIED TOLERANCES FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	
NOTE #6, WEAVE WAS SPLIT LOOM ITEM 114 WAS 109 ITEM 118 WAS 111 ITEM 130 WAS 129 WIRE #344 WAS #3		250 / MACHINE FINISH UNLESS OTHERWISE STATED	
NEW ISSUE 10-OCT-06 JWW DRAWN BY:		CP, 10-OCT-06 CHECKED BY:	
CHANGE DATE:		DATE:	
E.C.D. #		PLANE ANGLES +/- 1°	
CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco PRODUCT: M7 DESCRIPTION: HARNESS, CAB MAIN	
SIZE: D		SCALE: NTS	
DRAWING CODE NUMBER: 520222		REV. B	
ASSEMBLY: -		SHEET 1/2	

BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
△ 1	700342	1	BULKHEAD PLATE, ELECTRICAL (NOT SHOWN)	
△ 2	690136	1	PLAQUE, CAB ELECTRICAL BULKHEAD (NOT SHOWN)	
△ 3	K-071	36	WEATHERSTRIP #1440 GREY EPDM (NOT SHOWN)	
102	5166 839	1	RECEPTACLE, 24-PIN DEUTSCH #DRC-14-24PA	P355
104	5166 841	1	RECEPTACLE, 40-PIN DEUTSCH #DRC-14-40PA	P370
105	5166 850	1	PLUG, 70-SOCKET DEUTSCH #DRC-16-70SA	P366
106	5166 851	1	RECEPTACLE, 70-PIN DEUTSCH #DRC-14-70PA	P350
108	5166 842	2	RECEPTACLE, 40-PIN, FLANGE MOUNT DEUTSCH #DRC-12-40PA	P72,P210
△ 109	5166 818	1	PLUG, 8-SOCKET DEUTSCH #DT06-8S	P349
△ 111	5112 938	1	LOCKING WEDGE, FOR 8 SOCKET PLUG DEUTSCH #W8S	
113	5166 822	1	PLUG, 12-PIN DEUTSCH #DT06-12S	P360
△ 114	5166 812	2	RECEPTACLE, 12-PIN DEUTSCH #DT04-12P	P365, P363
△ 115	5166 816	1	PLUG, DEUTSCH DT06-6S	P164
△ 116	5112 936	1	LOCKING WEDGE, FOR 6 SOCKET PLUG DEUTSCH #W6S	
△ 117	5112 942	1	LOCKING WEDGE, FOR 12 SOCKET PLUG DEUTSCH #W12S	P360
△ 118	5166 932	2	LOCKING WEDGE, FOR 12 PIN RECEPTACLE DEUTSCH #W12P	P365, P363
124	520194	1	RECEPTACLE, 29 PIN DEUTSCH #HD44-24-29-PN	P250
126	5166 798	AR	SOCKET, 16 GA DEUTSCH #0462-201-16141	
127	5166 797	AR	PIN, 16 GA DEUTSCH #0460-202-16141	
128	5166 799	4	PIN, 12 GA DEUTSCH #0460-204-12141	P250
129	5166 796	AR	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
131	5166 787	4	SEALING PLUG, 20 GA DEUTSCH #0413-0204-2005	P250
132	5166 788	AR	SEALING PLUG, 12-16 GA DEUTSCH #114017	
138	5120 803	4	RECEPTACLE, 12-PORT LUMBERG RSF 120M-624/3F	P215-P218
143	5166 763	2	CONNECTOR, MALE TOWER, 3-POLE PACKARD #12020829	P68,P371
151	5166 781	3	PIN, MALE PACKARD #12124582	P68
153	5166 777	6	SEAL, 16 GA OR SMALLER PACKARD #12015284	P68,P371
161	5166 793	3	SOCKET, FEMALE 14-16 GA. PACKARD #12124580	P371
172	5166 693	6	TERMINAL, FEMALE SPADE 14-16 GA TECHSPAN # 761355	P92,P93,P94
181		AR	BLACK BRAIDING MATERIAL	
184		AR	CABLE, 18 AWG SHIELDED - SAE j-1939/11 DATABUS CABLE	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	
187		AR	HEAT SHRINK TUBING 1/4" POLYOLEFIN	

△ S/N 800300 TO 800303

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa		THIRD ANGLE PROJECTION	
PRODUCT: M7		DESCRIPTION: HARNESS, CAB MAIN			
IMPLIED TOLERANCES		DRAWING CODE NUMBER			
FRACTION	SIZE	SCALE	DRAWING CODE NUMBER		REV.
X : 1/8	D	NTS	520222		B
.XX : .06					
.XXX : .03					
.XXX : .010					
NEW ISSUE		JWW		CP, 10-OCT-06	
ADDED ITEMS 1, 2 & 3		AJB		-	
ITEMS 109 & 111		21-SEP-07		-	
QTY 1 WAS 2, REMOVED P363					
ITEM 111: #5112 938 WAS 5166 938					
ITEM 114: QTY 2 WAS 1, ADDED P365					
ITEM 115: #5166 816 WAS 5166 803					
ITEM 116: #5112 936 WAS 5112 933					
ITEM 117: #5112 942 WAS 5166 942					
ITEM 118: QTY 2 WAS 1, ADDED P365					
250 / MACHINE FINISH UNLESS OTHERWISE STATED		DATE: DATE:		E.C.D. #	
PLANE ANGLES +/- 1°	ASSEMBLY: -		SHEET 2/2		

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P68 Throttle Control						
A	313	- Throttle - return	151 / 153		P72 @ 7	16 ga. Green
B	312	- Throttle - position input signal	151 / 153		P72 @ 9	16 ga. Black
C	311	- Throttle - +5 Vdc	151 / 153		P72 @ 8	16 ga. Red

P72 Engine Harness at Cab Wall						
1	-	-	132			-
2	-	-	132			-
3	-	-	132			-
4	-	-	132			-
5	315	- "Wait to Start" lamp (ground) - to ECU	130		P366 @ 49	16 ga. Black
6	-	-	132			-
7	313	- Throttle - return	130		P68 @ A	16 ga. Green
8	311	- Throttle - +5 Vdc	130		P68 @ C	16 ga. Red
9	312	- Throttle - position input signal	130		P68 @ B	16 ga. Black
10	-	-	132			-
11	-	-	132			-
12	-	-	132			-
13	-	-	132			-
14	-	-	132			-
15	39	- Starter Solenoid from Neutral Start Relay	130		P350 @ 3	16 ga. Black
16	36	- Tachometer	130		P366 @ 16	16 ga. Black
17	359	- Engine Shutdown Override Return (J.D. 8.1L)	130		P360 @ 4	16 ga. Black
18	360	- Engine Shutdown Override (J.D. 8.1L)	130		P360 @ 5	16 ga. Black
19	-	-	132			-
20	-	-	132			-
21	397	- Bump Down	130		P360 @ 7	16 ga. Black
22	396	- Bump up	130		P360 @ 6	16 ga. Black
23	398	- Bump Enable	130		P360 @ 8	16 ga. Black
24	196	- A/C clutch	130		P366 @ 50	16 ga. Black
25	323	- Fused +24 Vdc Power to ECU (F4, 5A)	130		P350 @ 39	16 ga. Red
26	324	- Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P350 @ 50	16 ga. Red
27	325	- Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P350 @ 51	16 ga. Red
28	326	- Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P350 @ 52	16 ga. Red
29	327	- Fused +24 Vdc Power to ECU (F8, 10A)	130		P350 @ 53	16 ga. Red
30	328	- Fused +24 Vdc Power to ECU (F9, 10A)	130		P350 @ 54	16 ga. Red
31	2	- Ground	130	SPLICE	P350 @ 40	16 ga. Green
					P164 @ 6	16 ga. Green
32	2	- Ground	130		P350 @ 41	16 ga. Green
33	2	- Ground	130		P350 @ 42	16 ga. Green
34	2	- Ground	130		P350 @ 43	16 ga. Green
35	2	- Ground	130		P350 @ 44	16 ga. Green
36	-	-	132			-
37	-	-	132			-
38	330	- CAN_H {J1939(+)}	130	SHIELDED CABLE, ITEM 184	P164 @ 2	18 ga. Yellow
39	331	- CAN_L {J1939(-)}	130		P164 @ 3	18 ga. Green
40	332	- CAN_SHLD {J1939(shield)}	130		P164 @ 4	18 ga. Gray

P92 L.H. Lower Winshield Wiper						
1	220	- Lower Wiper (left front) - Low speed	172		P366 @ 8	16 ga. Black
2	221	- Lower Wiper (left front) - Park	172		P366 @ 9	16 ga. Black

P93 R.H. Lower Winshield Wiper						
1	222	- Lower Wiper (right front) - Low speed	172		P366 @ 10	16 ga. Black
2	223	- Lower Wiper (right front) - Park	172		P366 @ 11	16 ga. Black

P94 Center Front Winshield Wiper						
1	218	- Front Wipers (upper) - Low speed	172		P366 @ 6	16 ga. Black
2	219	- Front Wipers (upper) - Park	172		P366 @ 7	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P164 Engine Diagnostic - Murphylink						
1	14 - Power +24VDC CB42		129	SPLICE	P366 @ 62	16 ga. Red
					P371 @ A	16 ga. Red
2	330 - CAN_H {J1939(+)}		129	SHIELDED CABLE, ITEM 184	P72 @ 38	18 ga. Yellow
3	331 - CAN_L {J1939(-)}		129		P72 @ 39	18 ga. Green
4	332 - CAN_SHLD {J1939(shield)}		129		P72 @ 40	18 ga. Gray
5	-		-			-
6	2 - Ground		129	SPLICE	P72 @ 31	16 ga. Green
					P350 @ 40	16 ga.

P210 Junction Box 1 - 4, Cab Wall						
1	81 - Plow Down		130	SPLICE	P355 @ 11	16 ga. Black
					P350 @ 23	16 ga. Black
2	82 - Plow Door - L.H. Retract		130		P355 @ 15	16 ga. Black
3	83 - Plow Door - L.H. Extend		130		P355 @ 14	16 ga. Black
4	78 - Plow Door - R.H. Retract		130		P355 @ 4	16 ga. Black
5	79 - Plow Door - R.H. Extend		130		P355 @ 12	16 ga. Black
6	84 - Plow Float		130		P355 @ 24	16 ga. Black
7	99 - Plow Lock-up cylinder		130		P355 @ 9	16 ga. Black
8	80 Plow Lift		130	SPLICE	P355 @ 10	16 ga. Black
					P350 @ 22	16 ga. Black
9	26 Power +24VDC CB62		130	SPLICE	P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
					P370 @ 15	16 ga. Red
10	2 Ground		130	SPLICE	P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
11	297 R.H. Rear Temp Door - Out		130		P370 @ 8	16 ga. Black
12	269 L.H. Rear Temp Door - In		130		P370 @ 3	16 ga. Black
13	295 R.H. Rear Temp Door - In		130		P370 @ 7	16 ga. Black
14	271 L.H. Front Temp Door - Out		130		P370 @ 2	16 ga. Black
15	301 R.H. Front Temp Door - Out		130		P370 @ 10	16 ga. Black
16	273 L.H. Front Temp Door - In		130		P370 @ 1	16 ga. Black
17	299 R.H. Front Temp Door - In		130		P370 @ 9	16 ga. Black
18	267 L.H. Rear Temp Door - Out		130		P370 @ 4	16 ga. Black
19	-		132			16 ga. -
20	2 Ground		130	SPLICE	P210 @ 10	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
21	193 Dust Collector / Auger		130		P366 @ 35	16 ga. Black
22	118 Chute rotate - CCW / Tilttable Stone Deflector Down		130		P366 @ 37	16 ga. Black
23	117 Chute rotate - CW / Tilttable Stone Deflector Up		130		P366 @ 36	16 ga. Black
24	263 L.H. Outer Door Tilt - Out		130		P370 @ 6	16 ga. Black
25	291 R.H. Outer Door Tilt - Out		130		P370 @ 12	16 ga. Black
26	265 L.H. Outer Door Tilt - In		130		P370 @ 5	16 ga. Black
27	289 R.H. Outer Door Tilt - In		130		P370 @ 11	16 ga. Black
28	211 Snow Wing Power Lock-up		130		P366 @ 47	16 ga. Black
29	-		132			16 ga. -
30	2 Ground		130	SPLICE	P210 @ 40	16 ga. Green
					P350 @ 17	16 ga. Green
31	167 Transmission Oil Pressure Sender		130		P366 @ 19	16 ga. Black
32	404 Brake DE-ICE		132		P366 @ 48	16 ga. Black
33	67 Brakes On		130		P366 @ 58	16 ga. Black
34	35 Hydraulic Pump		130		P355 @ 2	16 ga. Black
35	308 Track Drive		132		P363 @ 9	16 ga. Black
36	101 Speedometer		130		P371 @ C	16 ga. Black
37	110 Emergency pump		130		P366 @ 20	16 ga. Black
38	162 Transmission Temp.Sender		130		P366 @ 18	16 ga. Black
39	-		132			16 ga. -
40	2 Ground		130	SPLICE	P210 @ 30	16 ga. Green
					P350 @ 17	16 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P215 Junction Box 5 - Cab Wall						
1	40	Fuel Sender	ORN		P366 @ 17	16 ga. Black
2	115	Broom Forward Rotate	BLU		P366 @ 33	16 ga. Black
3	116	Broom Reverse Rotate	WHT/BLK		P366 @ 34	16 ga. Black
4	114	Broom Tilt - down	RED/BLK		P366 @ 32	16 ga. Black
5	113	Broom Tilt - up	GRN/BLK		P366 @ 31	16 ga. Black
6	112	Broom Down	ORG/BLK		P366 @ 30	16 ga. Black
7	111	Broom Up	BLU/BLK		P366 @ 29	16 ga. Black
8	160	Broom Lock-up valve	BLK/WHT		P366 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P216 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P216 Junction Box 6 - Cab Wall						
1	414	Trans Sol 3 & 7	ORN		P365 @ 12	16 ga. Black
2	411	Trans Sol 6	BLU		P365 @ 9	16 ga. Black
3	412	Trans Sol 5	WHT/BLK		P365 @ 10	16 ga. Black
4	203	L.H. Stone Deflector - Down	RED/BLK		P366 @ 40	Black
5	205	R.H. Stone Deflector - Down	GRN/BLK		P366 @ 42	Black
6	202	L.H. Stone Deflector - Up	ORG/BLK		P366 @ 39	Black
7	204	R.H. Stone Deflector - Up	BLU/BLK		P367 @ 41	Black
8	413	Trans Sol 1	BLK/WHT		P365 @ 11	16 ga. Black
9	276	Warm Up	GRN		P366 @ 5	16 ga. Black
10	2	Ground	RED	SPLICE	P215 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P217 Junction Box 7 - Cab Wall						
1	296	R.H. Inner Door Tilt - In	ORN		P366 @ 43	16 ga. Black
2	293	R.H. Outer Door Rotate CCW	BLU		P370 @ 31	16 ga. Black
3	294	R.H. Outer Door Rotate CW	WHT/BLK		P370 @ 32	16 ga. Black
4	268	L.H. Inner Door Tilt - Out	RED/BLK		P366 @ 46	16 ga. Black
5	270	L.H. Inner Door Tilt - In	GRN/BLK		P366 @ 45	16 ga. Black
6	259	L.H. Outer Door Rotate CCW	ORG/BLK		P370 @ 25	16 ga. Black
7	261	L.H. Outer Door Rotate CW	BLU/BLK		P370 @ 26	16 ga. Black
8	298	R.H. Inner Door Tilt - Out	BLK/WHT		P366 @ 44	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P218 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P218 Junction Box 8 - Cab Wall						
1	300	Right Rear Articulated Door - Up	ORN		P370 @ 27	16 ga. Black
2	290	Right Front Articulated Door - Down	BLU		P370 @ 30	16 ga. Black
3	292	Right Front Articulated Door - Up	WHT/BLK		P370 @ 29	16 ga. Black
4	260	Left Rear Articulated Door - Down	RED/BLK		P370 @ 24	16 ga. Black
5	262	Left Rear Articulated Door - Up	GRN/BLK		P370 @ 23	16 ga. Black
6	266	Left Front Articulated Door - Down	ORG/BLK		P370 @ 22	16 ga. Black
7	264	Left Front Articulated Door - Up	BLU/BLK		P370 @ 21	16 ga. Black
8	302	Right Rear Articulated Door - Down	BLK/WHT		P370 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P217 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P217 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P250 Frame Harness at Cab Wall						
1	19	Power +24VDC CB51	128		P380 - 1	12 ga. Red
2	2	Ground	128		P380 - 2	12 ga. Green
3	20	Power +24VDC CB52	128		P380 - 3	12 ga. Red
4	2	Ground	128		P380 - 4	12 ga. Green
5	63	Pump (Drive) input - variable	130		P366 @ 3	16 ga. Black
6	62	Pump (Drive) input - common	130		P366 @ 2	16 ga. Black
7	16	Power +24VDC CB44	130		P366 @ 21	16 ga. Red
8	2	Ground	130	SPLICE	P350 @ 29 P349 @ 7	16 ga. Green 16 ga. Green
9	210	Perimeter lights - Front (3 on engine)	130		P366 @ 3	14 ga. Black
10	159	Hydraulic Oil Temperature Sender	130		P366 @ 63	16 ga. Black
11	104	Case Drain Filter Indicator - Green	130		P366 @ 68	16 ga. Black
12	215	Low Hydraulic Oil Level/High Temp. Switch	130		P366 @ 26	16 ga. Black
13	208	Ammeter (positive)	130		P366 @ 24	16 ga. Black
14	209	Ammeter (negative)	130		P366 @ 25	16 ga. Black
15	106	Turntable warning	130		P366 @ 59	16 ga. Black
16	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
17	75	Pressure Filter (Implement) Indicator - Red	130		P366 @ 52	16 ga. Black
18	-	-	131			-
19	76	Main Return Filter Indicator - Green	130		P366 @ 53	16 ga. Black
20	-	-	131			-
21	74	Pressure Filter (Implement) Indicator - Green	130		P366 @ 51	16 ga. Black
22	77	Main Return Filter Indicator - Red	130		P366 @ 54	16 ga. Black
23	102	Charge Pump Filter Indicator - Green	130		P366 @ 55	16 ga. Black
24	103	Charge Pump Filter Indicator - Red	130		P366 @ 56	16 ga. Black
25	206	Return Filter (Snow Blower) - Green	130		P366 @ 57	16 ga. Black
26	207	Return Filter (Snow Blower) - Red	130		P366 @ 67	16 ga. Black
27	-	-	131			-
28	105	Case Drain Filter Indicator - Red	130		P366 @ 69	16 ga. Black
29	-	-	131			-

P349 Brake Pedal Harness						
1	49	Brake Pedal Out			P355 @ 8	16 ga. Black
2	393	Brake Pedal Return			P350 @ 28	16 ga. Black
3	377	A/C on signal		SPLICE	P350 @ 7 P366 @ 23	16 ga. Black 16 ga. Black
4	21	Power +24VDC CB53			P350 @ 45	14 ga. Red
5	2	Ground			P350 @ 46	14 ga. Green
6	23	Power +24VDC CB55		SPLICE	P350 @ 35 P363 @ 9	16 ga. Red 16 ga. Red
7	2	Ground		SPLICE	P250 @ 8 P350 @ 29	14 ga. Green
8	-	-				-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P350 Dist Panel, Cen Console						
1	386	Start: Implement Pump off to Neutral Start	130		P355 @ 4	16 ga. Black
2	347	E-Stop PB1 to E-Stop PB8	130		P365 @ 2	16 ga. Black
3	39	Starter Solenoid from Neutral Start Relay	130		P72 @ 15	16 ga. Black
4	394	Brake Parking (See also 67)	130		P366 @ 1	16 ga. Black
5	51	Brake Lights	130		P366 @ 2	16 ga. Black
6	2	Ground	130		P371 @ B	16 ga. Green
7	377	A/C on signal	130	SPLICE	P366 @ 23	16 ga. Black
					P349 @ 3	16 ga.
8	9	Power +24VDC CB33	130		P366 @ 4	16 ga. Red
9	369	AC Fan Power	130		P366 @ 22	14 ga. Black
10	415	Selector Switch	130		P365 @ 3	16 ga. Black
11	24	Power +24VDC CB56	130		P355 @ 5	14 ga. Red
12	2	Ground	130		P360 @ 1	16 ga. Green
13	50	Electrical Interlock PB to Relay Coil	130		P360 @ 4	16 ga. Black
					P210 @ 9	16 ga. Red
					P216 @ 12	16 ga. Red
14	26	Power +24VDC CB62	130	SPLICE	P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P215 @ 12	16 ga. Red
					P370 @ 15	16 ga. Red
					P210 @ 10	16 ga. Green
15	2	Ground	130	SPLICE	P210 @ 20	16 ga. Green
					P355 @ 17	16 ga. Green
					P370 @ 16	16 ga. Green
16	27	Power +24VDC CB63	130		P366 @ 27	14 ga. Red
17	2	Ground	130	SPLICE	P210 @ 30	16 ga. Green
					P210 @ 40	16 ga. Green
18	28	Power +24VDC CB64	130		P366 @ 38	16 ga. Red
19	2	Ground	130	SPLICE	P215 @ 10	16 ga. Green
					P216 @ 10	16 ga. Green
20	29	Power +24VDC CB65	130		P355 @ 7	16 ga. Red
21	2	Ground	130	SPLICE	P217 @ 10	16 ga. Green
					P218 @ 10	16 ga. Green
22	80	Plow Lift	130	SPLICE	P355 @ 10	16 ga. Black
					P210 @ 8	16 ga. Black
23	81	Plow Down	130	SPLICE	P355 @ 11	16 ga. Black
					P210 @ 1	16 ga. Black
24	84	Plow Float	130		P210 @ 6	16 ga. Black
25	274	Plow Float Light	130		P355 @ 16	16 ga. Black
26	30	Power +24VDC CB66	130		P370 @ 17	16 ga. Red
27	2	Ground (EDC)	130		P365 @ 1	16 ga. Green
28	393	Brake Pedal Return	130		P349 @ 2	16 ga. Black
					P250 @ 8	16 ga. Green
29	2	Ground	130	SPLICE	P349 @ 7	16 ga. Green
30	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
31	321	"Drive" Input (from RKS47)	130		P365 @ 8	16 ga. Black
32	-	-	-			-
33	-	-	-			-
34	329	"Neutral" Input (from RKS47)	130		P365 @ 7	16 ga. Black
35	23	Power +24VDC CB55	130	SPLICE	P363 @ 9	16 ga. Red
					P349 @ 6	16 ga. Red
36	415	Selector Switch	130		P365 @ 6	16 ga. Black
37	-	-	-			-
38	348	E-Stop PB8 to Ignition relay coil CR1	130		P360 @ 10	16 ga. Black
39	323	Fused +24 Vdc Power to ECU (F4, 5A)	130		P72 @ 25	16 ga. Red
40	2	Ground	130	SPLICE	P72 @ 31	16 ga. Green
					P164 @ 6	16 ga. Green
41	2	Ground	130		P72 @ 32	16 ga. Green
42	2	Ground	130		P72 @ 33	16 ga. Green
43	2	Ground	130		P72 @ 34	16 ga. Green
44	2	Ground	130		P72 @ 35	16 ga. Green
45	21	Power +24VDC CB53	130		P349 @ 4	14 ga. Red
46	2	Ground	130		P349 @ 5	14 ga. Green
47	-	-	-			16 ga. -
48	43	EDC Controller Power (F3) +24V	130		P363 @ 4	16 ga. Red
49	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P363 @ 5	16 ga. Black
					P365 @ 3	16 ga. Black
50	324	Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P72 @ 26	16 ga. Red
51	325	Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P72 @ 27	16 ga. Red
52	326	Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P72 @ 28	16 ga. Red
53	327	Fused +24 Vdc Power to ECU (F8, 10A)	130		P72 @ 29	16 ga. Red
54	328	Fused +24 Vdc Power to ECU (F9, 10A)	130		P72 @ 30	16 ga. Red
55	25	Power +24VDC CB61	130		P355 @ 1	16 ga. Red
56	-	-	-			-
57	-	-	-			-
58	-	-	-			-
59	-	-	-			-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
60	-	-	-			-
61	-	-	-			-
62	-	-	-			-
63	-	-	-			-
64	-	-	-			-
65	-	-	-			-
66	-	-	-			-
67	-	-	-			-
68	-	-	-			-
69	-	-	-			-
70	-	-	-			-

P354 Radio						
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P356 - 345	10 ga. Black
-2	2	Ground	NONE		P356 - 2	10 ga. Green

P355 Gen Console front panel						
1	25	Power +24VDC CB61	127		P350 @ 55	16 ga. Red
2	35	Hydraulic Pump	127		P210 @ 34	16 ga. Black
3	41	Engine Start from Ignition Switch	127		P360 @ 3	16 ga. Black
4	386	Start: Implement Pump off to Neutral Start	127		P350 @ 1	16 ga. Black
5	24	Power +24VDC CB56	127		P350 @ 11	14 ga. Red
6	387	Horn Compressor Power	127		P366 @ 64	14 ga. Black
7	29	Power +24VDC CB65	127		P350 @ 20	16 ga. Red
8	49	Brake Pedal Out	127		P349 @ 1	16 ga. Black
9	99	Plow Lock-up cylinder	127		P210 @ 7	16 ga. Black
10	80	Plow Lift	127	SPLICE	P210 @ 8	16 ga. Black
					P350 @ 22	16 ga. Black
11	81	Plow Down	127	SPLICE	P210 @ 1	16 ga. Black
					P350 @ 23	16 ga. Black
12	79	Plow Door - R.H. Extend	127		P210 @ 5	16 ga. Black
13	78	Plow Door - R.H. Retract	127		P210 @ 4	16 ga. Black
14	83	Plow Door - L.H. Extend	127		P210 @ 3	16 ga. Black
15	82	Plow Door - L.H. Retract	127		P210 @ 2	16 ga. Black
16	274	Plow Float Light	127		P350 @ 25	16 ga. Black
					P210 @ 10	16 ga. Green
17	2	Ground	127	SPLICE	P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P370 @ 16	16 ga. Green
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	-	-	-			-
22	-	-	-			-
23	-	-	-			-
24	-	-	-			-

P356 Converter						
-3	3	Power +24VDC from Engine CB to Ignition Switch	NONE		P376 - 3	12 ga. Red
-2	2	Ground	NONE		P376 - 2	12 ga. Green
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P354 - 345	10 ga. Black
-2	2	Ground	NONE		P354 - 2	10 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P360 Ign Switch						
1	2	Ground	129		P350 @ 12	16 ga. Green
2	5	Power +24VDC from Ignition Switch to E-Stop	129		P365 @ 1	16 ga. Red
3	41	Engine Start from Ignition Switch	129		P355 @ 3	16 ga. Black
4	359	Engine Shutdown Override Return (J.D. 8.1L)	129		P72 @ 17	16 ga. Black
5	360	Engine Shutdown Override (J.D. 8.1L)	129		P72 @ 18	16 ga. Black
6	396	Bump up	129		P72 @ 22	16 ga. Black
7	397	Bump Down	129		P72 @ 21	16 ga. Black
8	398	Bump Enable	129		P72 @ 23	16 ga. Black
9	50	Electrical Interlock PB to Relay Coil	129		P350 @ 13	16 ga. Black
10	348	E-Stop PB8 to Ignition relay coil CR1	129		P350 @ 38	16 ga. Black
11	-	-	-			-
12	-	-	-			-

P363 EDC Controller						
1	2	Ground	130		P350 @ 27	16 ga. Green
2	62	Pump (Drive) input - common	130		P250 @ 6	16 ga. Black
3	63	Pump (Drive) input - variable	130		P250 @ 5	16 ga. Black
4	43	EDC Controller Power (F3) +24V	130		P350 @ 48	16 ga. Red
5	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P365 @ 3	16 ga. Black
6	182	Reverse Travel Alarm	130		P366 @ 66	16 ga. Black
7	183	Forward Travel Alarm	130		P366 @ 65	16 ga. Black
8	134	Travel alarm trigger signal from neutral start relay	130		P366 @ 61	16 ga. Black
9	308	Motor Track Drive Solenoid	130		P210 @ 35	16 ga. Black
10	-	-	-			-
11	-	-	-			-
12	-	-	-			-

P365 Cen Console upper panel						
1	5	Power +24VDC from Ignition Switch to E-Stop	130		P360 @ 2	16 ga. Red
2	347	E-Stop PB1 to E-Stop PB8	130		P350 @ 2	16 ga. Black
3	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P363 @ 5	16 ga. Black
4	-	-	-			-
5	-	-	-			-
6	415	Selector Switch	130		P350 @ 36	16 ga. Black
7	329	"Neutral" Input (from RKS47)	130		P350 @ 34	16 ga. Black
8	321	"Drive" Input (from RKS47)	130		P350 @ 31	16 ga. Black
9	411	Trans Sol 6	130		P216 @ 2	16 ga. Black
10	412	Trans Sol 5	130		P217 @ 3	16 ga. Black
11	413	Trans Sol 1	130		P218 @ 8	16 ga. Black
12	414	Trans Sol 3 & 7	130		P219 @ 1	Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P366 OH Console						
1	394	Brake Parking (See also 67)	127		P350 @ 4	16 ga. Black
2	51	Brake Lights	127		P350 @ 5	16 ga. Black
3	210	Perimeter lights - Front (3 on engine)	127		P250 @ 9	14 ga. Black
4	9	Power +24VDC CB33	127		P350 @ 8	16 ga. Red
5	276	Warmup System to JB	127		P216 @ 9	16 ga. Black
6	218	Front Wipers (upper) - Low speed	127		P94 @ 1	16 ga. Black
7	219	Front Wipers (upper) - Park	127		P94 @ 2	16 ga. Black
8	220	Lower Wiper (left front) - Low speed	127		P92 @ 1	16 ga. Black
9	221	Lower Wiper (left front) - Park	127		P92 @ 2	16 ga. Black
10	222	Lower Wiper (right front) - Low speed	127		P93 @ 1	16 ga. Black
11	223	Lower Wiper (right front) - Park	127		P93 @ 2	16 ga. Black
12	-	-	-			-
13	-	-	-			-
14	-	-	-			-
15	-	-	-			-
16	36	Tachometer	127		P72 @ 16	16 ga. Black
17	40	Fuel Sender	127		P215 @ 1	16 ga. Black
18	162	Transmission Temp.Sender	127		P210 @ 38	16 ga. Black
19	167	Transmission Oil Pressure Sender	127		P210 @ 31	16 ga. Black
20	110	Emergency pump	127		P210 @ 37	16 ga. Black
21	16	Power +24VDC CB44	127		P250 @ 7	16 ga. Red
22	369	AC Fan Power	127		P350 @ 9	14 ga. Black
23	377	A/C on signal	127	SPLICE	P350 @ 7	16 ga. Black
24	208	Ammeter (positive)	127		P349 @ 3	16 ga. Black
25	209	Ammeter (negative)	127		P250 @ 13	16 ga. Black
26	215	Low Hydraulic Oil Level/High Temp. Switch	127		P250 @ 14	16 ga. Black
27	215	Low Hydraulic Oil Level/High Temp. Switch	127		P250 @ 12	16 ga. Black
27	27	Power +24VDC CB63	127		P215 @ 16	14 ga. Red
28	160	Broom Lock-up valve	127		P215 @ 8	16 ga. Black
29	111	Broom Up	127		P215 @ 7	16 ga. Black
30	112	Broom Down	127		P215 @ 6	16 ga. Black
31	113	Broom Tilt - up	127		P215 @ 5	16 ga. Black
32	114	Broom Tilt - down	127		P215 @ 4	16 ga. Black
33	115	Broom Forward Rotate	127		P215 @ 2	16 ga. Black
34	116	Broom Reverse Rotate	127		P215 @ 3	16 ga. Black
35	193	Dust Collector / Auger	127		P210 @ 21	16 ga. Black
36	117	Chute rotate - CW / Tilttable Stone Deflector Up	127		P210 @ 23	16 ga. Black
37	118	Chute rotate - CCW / Tilttable Stone Deflector Down	127		P210 @ 22	16 ga. Black
38	28	Power +24VDC CB64	127		P350 @ 18	14 ga. Red
39	202	L.H. Stone Deflector - Up	127		P216 @ 2	16 ga. Black
40	203	L.H. Stone Deflector - Down	127		P216 @ 8	16 ga. Black
41	204	R.H. Stone Deflector - Up	127		P216 @ 3	16 ga. Black
42	205	R.H. Stone Deflector - Down	127		P216 @ 1	16 ga. Black
43	296	R.H. Inner Door Tilt - In	127		P217 @ 1	16 ga. Black
44	298	R.H. Inner Door Tilt - Out	127		P217 @ 8	16 ga. Black
45	270	L.H. Inner Door Tilt - In	127		P217 @ 5	16 ga. Black
46	268	L.H. Inner Door Tilt - Out	127		P217 @ 4	16 ga. Black
47	211	Snow Wing Power Lock-up	127		P210 @ 28	16 ga. Black
48	404	Brake De-Ice	127		P210 @ 32	16 ga. Black
49	315	"Wait to Start" lamp (ground) - to ECU	127		P72 @ 5	16 ga. Black
50	196	A/C clutch	127		P72 @ 24	16 ga. Black
51	74	Pressure Filter (Implement) Indicator - Green	127		P250 @ 21	16 ga. Black
52	75	Pressure Filter (Implement) Indicator - Red	127		P250 @ 17	16 ga. Black
53	76	Main Return Filter Indicator - Green	127		P250 @ 19	16 ga. Black
54	77	Main Return Filter Indicator - Red	127		P250 @ 22	16 ga. Black
55	102	Charge Pump Filter Indicator - Green	127		P250 @ 23	16 ga. Black
56	103	Charge Pump Filter Indicator - Red	127		P250 @ 24	16 ga. Black
57	206	Return Filter (Snow Blower) - Green	127		P250 @ 25	16 ga. Black
58	67	Brakes On	127		P210 @ 33	16 ga. Black
59	106	Turntable warning	127		P250 @ 15	16 ga. Black
60	395	Turntable Up - Ground for Brakes	127	SPLICE	P250 @ 16	16 ga. Black
61	134	Travel alarm trigger signal from neutral start relay	127		P350 @ 30	16 ga.
62	14	Power +24VDC CB42	127	SPLICE	P363 @ 8	16 ga. Black
63	159	Hydraulic Oil Temperature Sender	127		P164 @ 1	16 ga. Red
64	387	Horn Compressor Power	127		P371 @ A	16 ga. Red
65	183	Forward Travel Alarm	127		P250 @ 10	16 ga. Black
66	182	Reverse Travel Alarm	127		P355 @ 6	14 ga. Black
67	207	Return Filter (Snow Blower) - Red	127		P363 @ 7	16 ga. Black
68	104	Case Drain Filter Indicator - Green	127		P363 @ 6	16 ga. Black
69	105	Case Drain Filter Indicator - Red	127		P250 @ 26	16 ga. Black
-	-	-	127		P250 @ 11	16 ga. Black
-	-	-	-		P250 @ 28	16 ga. Black
-	-	-	-			-

P370 Seat Harness						
1	273	L.H. Front Temp Door - In	130		P210 @ 16	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
2	271	L.H. Front Temp Door - Out	130		P210 @ 14	16 ga. Black
3	269	L.H. Rear Temp Door - In	130		P210 @ 12	16 ga. Black
4	267	L.H. Rear Temp Door - Out	130		P210 @ 18	16 ga. Black
5	265	L.H. Outer Door Tilt - In	130		P210 @ 26	16 ga. Black
6	263	L.H. Outer Door Tilt - Out	130		P210 @ 24	16 ga. Black
7	295	R.H. Rear Temp Door - In	130		P210 @ 13	16 ga. Black
8	297	R.H. Rear Temp Door - Out	130		P210 @ 11	16 ga. Black
9	299	R.H. Front Temp Door - In	130		P210 @ 17	16 ga. Black
10	301	R.H. Front Temp Door - Out	130		P210 @ 15	16 ga. Black
11	289	R.H. Outer Door Tilt - In	130		P210 @ 27	16 ga. Black
12	291	R.H. Outer Door Tilt - Out	130		P210 @ 25	16 ga. Black
13	-	-	-			-
14	-	-	-			-
15	26	Power +24VDC CB62	130		P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
P350 @ 14	16 ga. Red					
16	2	Ground	130		P210 @ 10	16 ga. Green
					P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P355 @ 17	16 ga. Green
17	30	Power +24VDC CB66	130		P350 @ 26	16 ga. Red
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	264	Left Front Articulated Door - Up	130		P218 @ 7	16 ga. Black
22	266	Left Front Articulated Door - Down	130		P218 @ 6	16 ga. Black
23	262	Left Rear Articulated Door - Up	130		P218 @ 5	16 ga. Black
24	260	Left Rear Articulated Door - Down	130		P218 @ 4	16 ga. Black
25	259	L.H. Outer Door Rotate CCW	130		P217 @ 6	16 ga. Black
26	261	L.H. Outer Door Rotate CW	130		P217 @ 7	16 ga. Black
27	300	Right Rear Articulated Door - Up	130		P218 @ 1	16 ga. Black
28	302	Right Rear Articulated Door - Down	130		P218 @ 8	16 ga. Black
29	292	Right Front Articulated Door - Up	130		P218 @ 3	16 ga. Black
30	290	Right Front Articulated Door - Down	130		P218 @ 2	16 ga. Black
31	293	R.H. Outer Door Rotate CCW	130		P217 @ 2	16 ga. Black
32	294	R.H. Outer Door Rotate CW	130		P217 @ 3	16 ga. Black
33	-	-	-			-
34	-	-	-			-
35	-	-	-			-
36	-	-	-			-
37	-	-	-			-
38	-	-	-			-
39	-	-	-			-
40	-	-	-			-

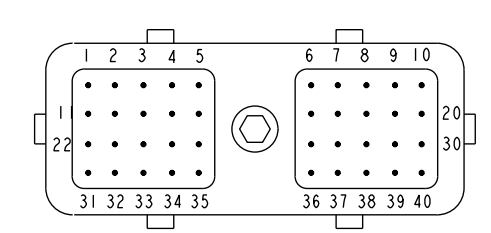
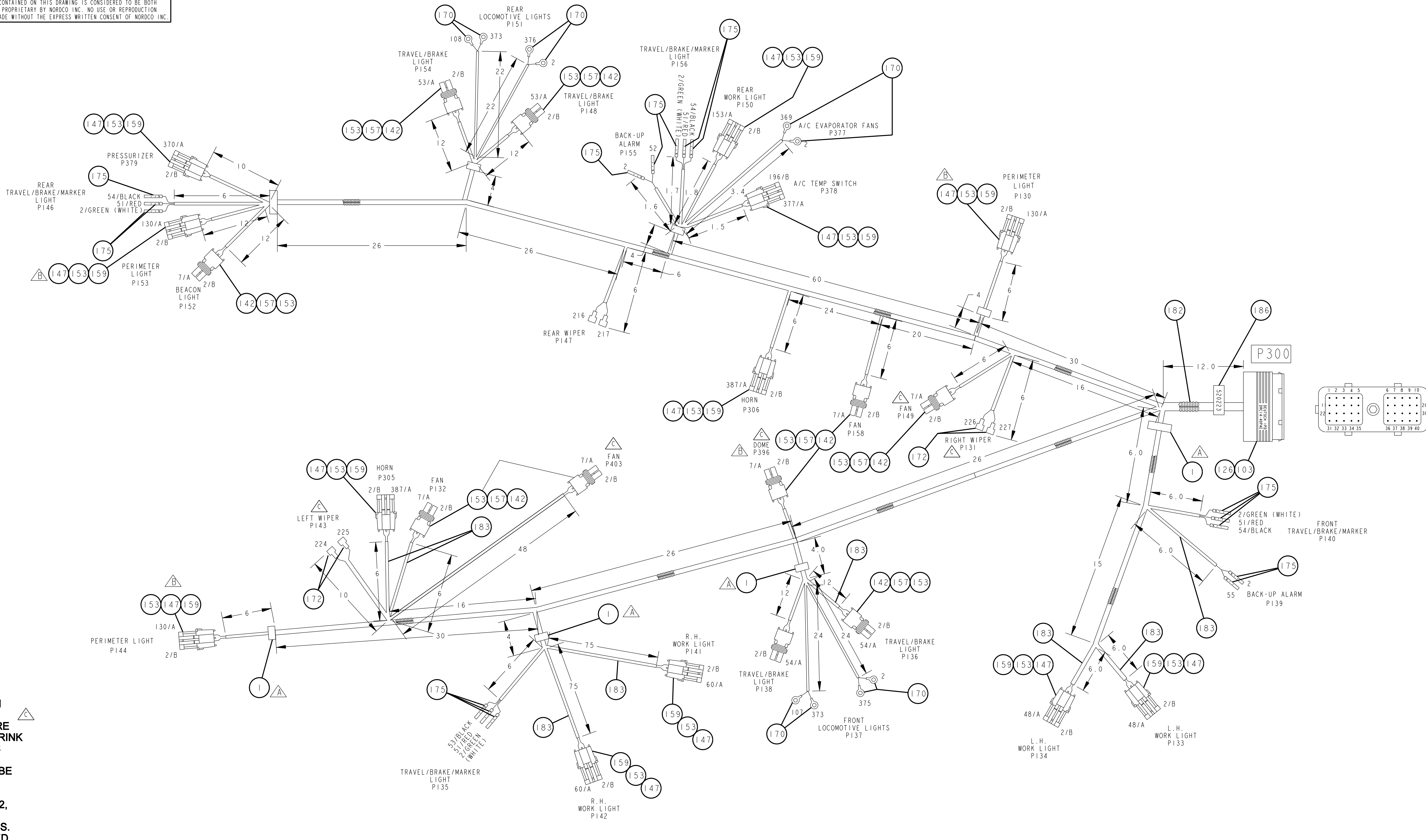
P371 Speedometer, 2-pin						
A	14	- Power +24VDC CB42	153,161	SPLICE	P164 @ 1	16 ga. Red
					P366 @ 62	16 ga. Red
B	2	- Ground	153,161		P350 @ 6	16 ga. Green
C	101	- Speedometer	153,161		P210 @ 36	16 ga. Black

P376 Converter Connection at Rt Side Panel						
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P380 - 6	10 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P380 - 4	8 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P381 - 4	8 ga. Red
-2	2	- Ground	NONE		P380 - 2	8 ga. Green
-2	2	- Ground	NONE		P381 - 2	8 ga. Green
-3	3	- Power +24VDC from Engine CB to Ignition Switch	NONE		P356 - 3	12 ga. Red
-2	2	- Ground	NONE		P356 - 2	12 ga. Green

<i>Plug # Pin #</i>	<i>Wire #</i>	<i>Description</i>	<i>Terminal / Seal</i>	<i>Notes (See Last pg)</i>	<i>Destination Connection</i>	<i>Wire Size & Colour</i>
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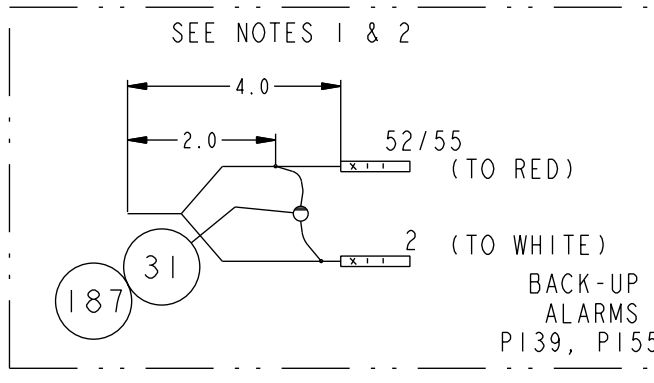
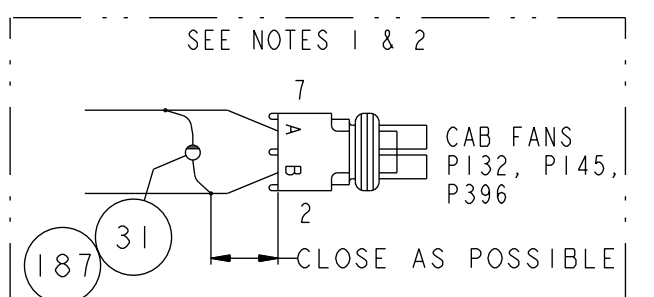
P380 CC Left Panel Loose Connections						
-19	19	- Power +24VDC CB51	NONE		P250 @ 1	12 ga. Red
-2	2	- Ground	NONE		P250 @ 2	12 ga. Green
-20	20	- Power +24VDC CB52	NONE		P250 @ 3	12 ga. Red
-2	2	- Ground	NONE		P250 @ 4	12 ga. Green
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P376 - 4	8 ga. Red
-2	2	- Ground	NONE		P376 - 2	8 ga. Green
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P376 - 6	10 ga. Red

P381 OH Console Loose Connections						
-2	19	- Power +24VDC CB51	NONE		P376 - 2	8 ga. Red
-4	2	- Ground	NONE		P376 - 4	8 ga. Green



NOTES:

1. DIODE, ITEM 31, IS TO BE USED ONLY WHEN WIRE #2 IS PAIRED WITH WIRES 52, 55 & 7. THIS DIODE IS TO BE SOLDERED BETWEEN THE WIRE PAIRS AND COVERED WITH HEAT SHRINK TUBING, ITEM #12. ALL OTHER WIRES DO NOT REQUIRE A DIODE.
2. ALL NON-DIODE SPLICES SHOULD BE IN MAIN HARNESS BODY. DO NOT SPLICE ANY WIRES 52 AND 55 AND THEIR RESPECTIVE GROUND WIRES 2, EXCEPT TO DIODES. SEE DRAWING EXAMPLES FOR LOCATION OF DIODES.
3. ALL BREAKOUTS TO BE PROTECTED WITH TEFLON TUBING, ITEM #183, WHERE SHOWN.
4. SEE WIRE CONNECTION TABLES FOR SPECIFIC WIRE SIZING AND ROUTING.
5. DESIGNATIONS OF "A" OR "B" AT WIRE NUMBERS INDICATE POSITION IN PACKARD CONNECTOR.
6. ALL SPLICES TO BE SOLDERED AND COVERED WITH HEAT SHRINK SLEEVING.
7. NO MORE THAN 1 WIRE ALLOWED PER CRIMPED TERMINAL.
8. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. APPLY MARKERS TO THE WIRE NOT ON THE TERMINALS.
9. ALL PACKARD CONNECTORS ARE TO BE SHIPPED LOOSE FOR INSTALLATION BY NORDCO.



NOTE 1: WIRE 7 WAS 98. SWITCHED LEFT & RIGHT WIPER NAMES FOR P143 & P131 SWITCHED DOME & FAN NAMES FOR P149 & P396. ADDED FOURTH FAN P403. REDESIGN HARNESS FOR BETTER INSTALLATION (3x) ITEM 147 WAS 142 (6x) ITEM 159 WAS 157 P396 ADDED - GRAPHIC ONLY	DLS 17-Apr-09		600037	CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION
	CP 25-Aug-08	JWW, 2-Oct-08	80050			
ADDED (8x) ITEMS 1 REPOSITIONED (1x) #147 DIM 23.0 WAS 27.0, DIM 22.0 WAS 28.0, DIM 10.0 WAS 18.0, DIM 28.0 WAS 6.0.	AJB 27-Sep-07			IMPLIED TOLERANCES	DESCRIPTION: HARNESS, CAB LIGHTING & MISC.	
	JWW 10-Oct-06	CP, 10-Oct-06		FRACTION ± 1/8 .X ± .06 .XX ± .03 .XXX ± .010		SIZE
NEW ISSUE	JWW 10-Oct-06	CP, 10-Oct-06		MACHINE FINISH UNLESS OTHERWISE STATED	D NTS	DRAWING CODE NUMBER
				PLANE ANGLES +/- 1°		520223
WF REV CHANGE	DATE:	CHECKED BY: DATE:	E.C.O. #	ASSEMBLY: -		SHEET 1 OF 2

BILL OF MATERIALS

P300 WIRE CONNECTION LIST

CONNECTOR PIN POSITION	WIRING INFORMATION			FUNCTION/ROUTING	CONNECTOR NO.
	COLOR	GAUGE	No.		
1	RED	14	7	BEACON, FAN, DOME LT. POWER (CB31)	P1320A, P1498A, P1520A, P1580A P3960A, P4030A
2	GREEN	14	2	BEACON, FAN, DOME LT. GROUND	P1320B, P1490B, P1520B, P1580B P3960B, P4030B
3	BLACK	14	55	TRAVEL / BACK-UP ALARM FRONT	P139-55
4	GREEN	14	2	BACK-UP ALARM GROUND	P139-2, P155-2
5	BLACK	14	53	REAR TRAVEL / FRONT MARKER LIGHTS	P135-53, P140-53, P1480A, P1540A
6	BLACK	14	54	FRONT TRAVEL / REAR MARKER LIGHTS	P1360A, P1380A, P146-54, P156-54
7	GREEN	14	2	TRAVEL / BRAKE LIGHT GROUND	P1360B, P1380B, P1480B, P1540B P135-2, P140-2, P146-2, P156-2
8	BLACK	16	60	WORK LIGHTS, RH	P1410A, P1420A
9	BLACK	16	48	WORK LIGHTS, LH	P1330A, P1340A
10	BLACK	16	153	WORK LIGHT, REAR	P1500A
11	BLACK	14	107	LOCO LIGHT FRONT RIGHT POWER	P137-107
12	BLACK	14	108	LOCO LIGHT REAR RIGHT POWER	P151-108
13	BLACK	14	375	LOCO LIGHT FRONT LEFT POWER	P137-375
14	BLACK	14	376	LOCO LIGHT REAR LEFT POWER	P151-376
15	BLACK	14	373	LOCO LIGHT FRONT/REAR RIGHT GROUND	P137-373, P151-373
16	GREEN	14	2	LOCO LIGHT FRONT/REAR LEFT GROUND	P137-2, P151-2
17	BLACK	16	130	PERIMETER LIGHTING POWER	P130-A, P144-A, P153-A
18	GREEN	16	2	PERIMETER LIGHTING GROUND	P130-B, P144-B, P153-B
19	GREEN	14	2	WORK LIGHT GROUND	P1330B, P1340B, P1410B, P1420B P1500B
20	BLACK	14	387	HORN POWER	P3050A, P3060A
21	GREEN	14	2	HORN GROUND	P3050B, P3060B
22	BLACK	14	369	A/C FAN POWER	P377-369
23	GREEN	14	2	A/C FAN GROUND	P377-2
24	BLACK	16	377	A/C POWER ON	P3780A
25	BLACK	16	196	A/C COMPRESSOR	P3780B
26	BLACK	16	370	PRESSURIZER POWER	P3790A
27	GREEN	16	2	PRESSURIZER GROUND	P3790B
28	RED	16	51	BRAKE LIGHTS	P135-51, P140-51, P146-51, P156-51
29	BLACK	14	52	TRAVEL / BACK-UP ALARM - REAR	P155-52
30	BLACK	16	216	REAR WIPER - LOW	P147-216
31	BLACK	16	217	REAR WIPER - PARK	P147-217
32	BLACK	16	224	LEFT SIDE WIPER - LOW	P143-224
33	BLACK	16	225	LEFT SIDE WIPER - PARK	P143-225
34	BLACK	16	226	RIGHT SIDE WIPER - LOW	P131-226
35	BLACK	16	227	RIGHT SIDE WIPER - PARK	P131-227
36					
37					
40				NOT USED	

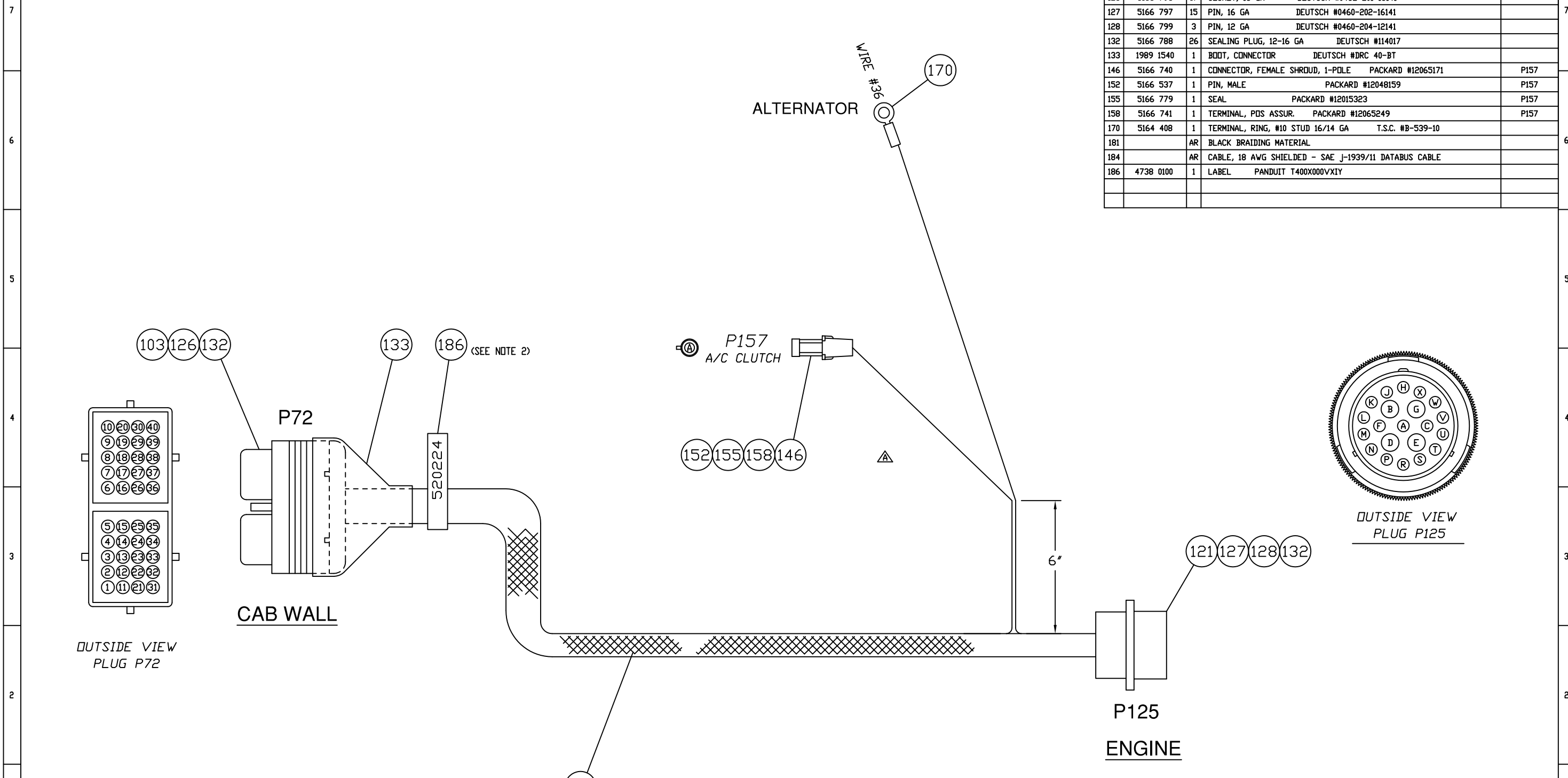
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	690119	8	GROMMET, RUBBER 5/8 ID 1-1/4 HOLE	
31	29680018	6	DIODE, #1N5624	
103	5166844	1	PLUG, 40-SOCKET DEUTSCH #DRC-16-40SA	P300
126	5166798	AR	SOCKET, 16 GA DEUTSCH #0462-201-16141	
142	5166762	9	CONNECTOR, MALE TOWER, 2-POLE PACKARD #12015792	
147	5166772	12	CONNECTOR, FEMALE SHROUD, 2-POLE PACKARD #12010973	
153	5166777	42	SEAL, 16 GA OR SMALLER PACKARD #12015284	
157	5166783	18	SOCKET, FEMALE 18-20 GA. PACKARD #12089188	
159	5166782	24	TERMINAL, MALE PIN WEATHER PACK, 18-20 GA. PACKARD #12089040	
170	5164408	10	TERMINAL, RING, #10 STUD 16/14 GA T.S.C. #B-539-10	
172	5166693	6	TERMINAL, FEMALE SPADE 14-16 GA TECHSPAN # 761355	P131, 143, 147
175	5166663	16	BUTT CONNECTOR, 14-16 GA.	
181		AR	BLACK BRAIDING MATERIAL	
182		AR	CORRUGATED LOOM, SLIT BLACK POLYETHELENE	
183	5102464	AR	TEFLON TUBING BLACK	
186	47380100	1	LABEL PANDUIT T400X000VXIY	
187		AR	HEAT SHRINK TUBING 1/4" POLYOLEFIN	

NOTES:
1. ALL WIRE IS TO BE STRANDED COPPER OF INDICATED GAUGE AND COLOR, SXL OR GXL TYPE OR EQUIVALENT.

ITEM 31 QTY 6 WAS 4. ITEM 147 PACKARD #12010973 WAS #12015792 PIN CONN 1: P149 WAS P145 & ADDED P403. PIN CONN 2: P149 WAS P145 & ADDED P403.	DLS 17-Apr-09	600037	CUSTOMARY: ALL DIMENSIONS IN INCHES		THIRD ANGLE PROJECTION
	ADDED P396, CAB FAN, TO P300 WIRE CONNECTION LIST. ITEM 142, QTY 9 WAS 12. ITEM 147, QTY 12 WAS 9. ITEM 157, QTY 18 WAS 24. ITEM 159, QTY 24 WAS 18.	CP 25-Aug-08			
ADDED ITEM 1, ITEM 147 WAS PACKARD #12015792/12010973	AJB 26-Sep-07	-	SIZE	SCALE	DRAWING CODE NUMBER
NEW ISSUE	JWW 10-Oct-06	-	D	NTS	520223
WF REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.O. #	PLANE ANGLES +/- 1°
ASSEMBLY: -			SHEET 2 OF 2		

NO. 520224
 SHEET NO. 1/2
 ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY BY NORDCO INC. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NORDCO INC.

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
79	6120 0048		RESISTOR, 390 OHM 1/2 W NEWARK #10N553	R6
103	5166 844	1	PLUG, 40-SOCKET DEUTSCH #DRC-16-40SA	P72
121	5120 782	1	RECEPTACLE, 21-PORT DEUTSCH #HDP24-24-21-PE	P125
126	5166 798	17	SOCKET, 16 GA DEUTSCH #0462-201-16141	
127	5166 797	15	PIN, 16 GA DEUTSCH #0460-202-16141	
128	5166 799	3	PIN, 12 GA DEUTSCH #0460-204-12141	
132	5166 788	26	SEALING PLUG, 12-16 GA DEUTSCH #114017	
133	1989 1540	1	BOOT, CONNECTOR DEUTSCH #DRC 40-BT	
146	5166 740	1	CONNECTOR, FEMALE SHROUD, 1-POLE PACKARD #12065171	P157
152	5166 537	1	PIN, MALE PACKARD #12048159	P157
155	5166 779	1	SEAL PACKARD #12015323	P157
158	5166 741	1	TERMINAL, PDS ASSUR. PACKARD #12065249	P157
170	5164 408	1	TERMINAL, RING, #10 STUD 16/14 GA T.S.C. #B-539-10	
181		AR	BLACK BRAIDING MATERIAL	
184		AR	CABLE, 18 AWG SHIELDED - SAE J-1939/11 DATABUS CABLE	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	



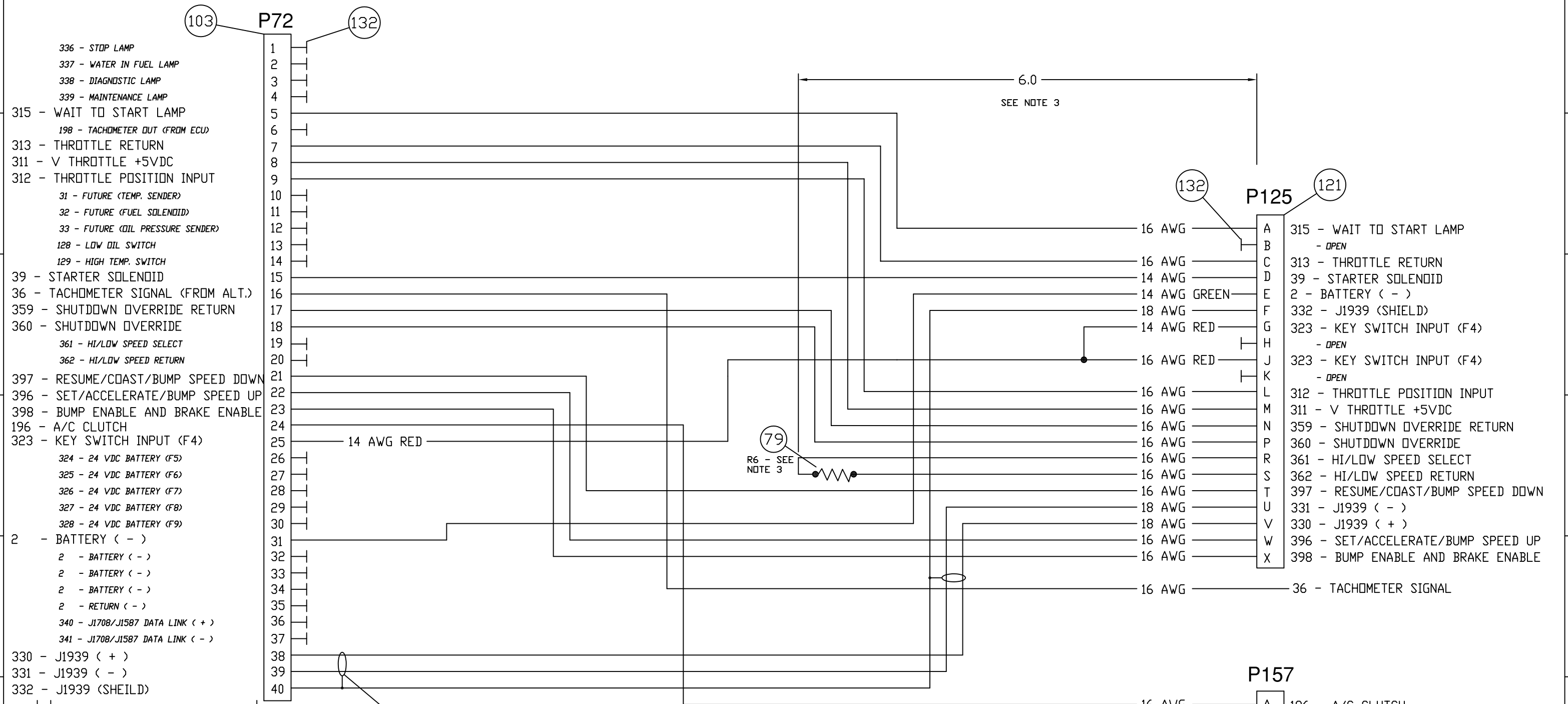
- NOTE:
1. ALL WIRE SIZES AND CONNECTIONS ON SHEET 2
 2. ATTACH PANDUIT LABEL (ITEM 186) NEAR P72 END.
 3. SINGLE WIRE BREAKOUTS DO NOT REQUIRE BRAIDING.
 4. LABEL ALL WIRES WITHIN 2 INCHES OF BOTH ENDS. LABEL ON WIRE, NOT TERMINAL
 5. WIRE TO BE STRANDED COPPER OF INDICATED GAUGE, SXL OR GXL TYPE OR APPROVED EQUIV.

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
DESCRIPTION: HARNESS, JD ENGINE		DRAWING CODE NUMBER			
FRACTION: 1/8		SIZE: D		SCALE: NTS	
X: .06		REV: A		DRAWING CODE NUMBER: 520224	
XX: .03		DATE: 27-SEP-06		REV: A	
XXX: .010		E.C.D. #		ASSEMBLY: -	
250 / FINISH UNLESS OTHERWISE STATED		DATE: 27-SEP-06		SHEET 1/2	
DATE: 27-SEP-06		DATE: 27-SEP-06		SHEET 1/2	

NO. 520224

SHEET NO. 2/2

ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY BY NORDCO INC. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NORDCO INC.



WIRE NUMBER	DESCRIPTION
103	P72
132	
132	
121	
79	
184	

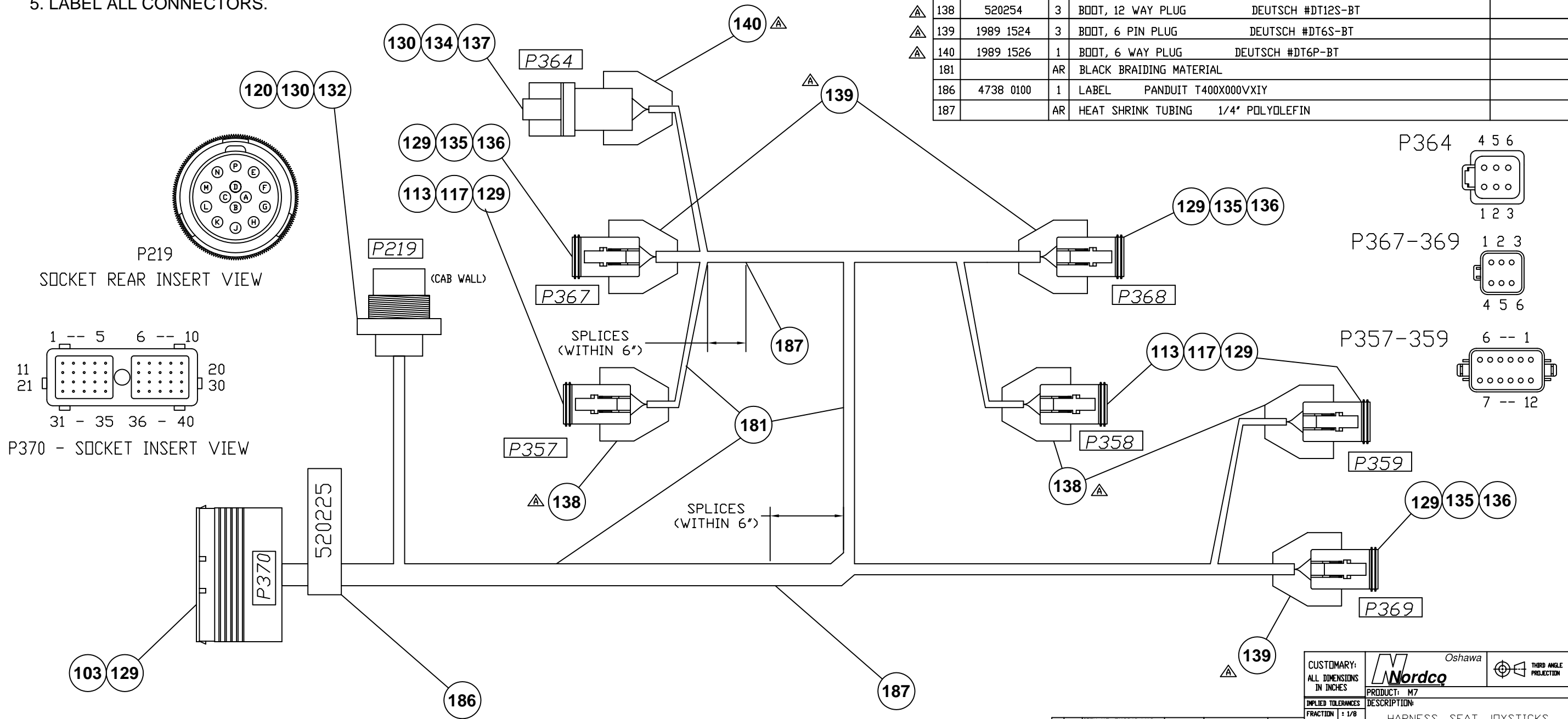
- NOTES:
- UNLESS OTHERWISE SPECIFIED ALL WIRE TO BE BLACK
 - FOR ALL PINS THAT ARE NOT USED, SOCKETS TO BE SEALED USING ITEM 132
 - SOLDER R6 (390 OHM RESISTOR) TO 16 AWG WIRE AND COVER COMPLETELY WITH HEAT SHRINK SO THERE ARE NO EXPOSED WIRES. LOCATE RESISTOR AS SHOWN AND DO NOT ALLOW RESISTOR LEADS TO BE BENT DURING FINAL ASSEMBLY.
 - ALL INTERNAL HARNESS SPLICES ARE TO BE SOLDERED AND COVERED WITH HEAT SHRINK

NO CHANGES THIS SHEET	AJB 24-SEP-07			
NEW ISSUE	JWW 27-SEP-06	CP, 27-SEP-06		
REV	CHANGE	DRAWN BY DATE	CHECKED BY DATE	E.C.D. #

CUSTOMARY: ALL DIMENSIONS IN INCHES	Oshawa Nordco	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION ± 1/8	DESCRIPTION: HARNESS, JD ENGINE	
.XX ± .06	SIZE	SCALE
.XXX ± .010	D	NTS
250 / MACHINE FINISH UNLESS OTHERWISE STATED	DRAWING CODE NUMBER	REV.
PLANE ANGLES +/- 1°	520224	A
	ASSEMBLY: -	SHEET 2/2

- NOTE:**
1. ATTACH PANDUIT LABEL (ITEM 186) NEAR P370 END.
 2. LABEL ALL WIRES WITHIN 2 INCHES OF BOTH ENDS. LABEL ON WIRE, NOT TERMINAL
 3. WIRE TO BE STRANDED COPPER, 16 GAUGE, SXL OR GXL TYPE OR APPROVED EQUIV. COLOURS AS INDICATED.
 4. SPLICES TO BE IN LOCATIONS INDICATED. ALL SPLICES TO BE SOLDERED AND WRAPPED WITH HEAT SHRINK ITEM 187. STAGGER SPLICES TO PREVENT BULGING.
 5. LABEL ALL CONNECTORS.

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
103	5166 844	1	PLUG, 40-SOCKET DEUTSCH #DRC-16-40SA	P370
113	5166 822	3	PLUG, 12-SOCKET DEUTSCH #DT06-12S	P357-359
117	5112 942	3	LOCKING WEDGE, FOR 12 SOCKET PLUG DEUTSCH #W12S	
120	5120 743	1	RECEPTACLE, 14-PIN DEUTSCH #HD34-18-14PN	P219
129	5166 796	AR	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
132	5166 788	5	SEALING PLUG, 12-16 GA DEUTSCH #114017	
134	5166 806	1	RECEPTACLE, 6-PIN DEUTSCH #DT04-06P	P364
135	5166 816	3	PLUG, 6-PIN DEUTSCH #DT06-06P	P367-369
136	5112 936	3	LOCKING WEDGE, FOR 6 SOCKET PLUG DEUTSCH #W6S	
137	5112 926	1	LOCKING WEDGE, FOR 6 PIN RECEPTACLE DEUTSCH #W6P	P364
138	520254	3	BOOT, 12 WAY PLUG DEUTSCH #DT12S-BT	
139	1989 1524	3	BOOT, 6 PIN PLUG DEUTSCH #DT6S-BT	
140	1989 1526	1	BOOT, 6 WAY PLUG DEUTSCH #DT6P-BT	
181		AR	BLACK BRAIDING MATERIAL	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	
187		AR	HEAT SHRINK TUBING 1/4" POLYOLEFIN	



ITEM 117, 5112942 WAS 5166942	AJB	26-SEP-07		
ITEM 120, HD34-18-14PIN WAS 18-14				
ADDED ITEMS 138, 139 & 140				
NEW ISSUE	JW/W	4-OCT-06		
DRAWN BY: DATE:	CHECKED BY: DATE:	DATE:	DATE:	ECO: #

CUSTOMARY: ALL DIMENSIONS IN INCHES

Nordco Oshawa THIRD ANGLE PROJECTION

PRODUCT: M7

DESCRIPTION: HARNESS, SEAT JOYSTICKS

FRACTION: 1/8
X: .06
XX: .03
XXX: .010

SIZE SCALE DRAWING CODE NUMBER REV.

D NTS 520225 A

ASSEMBLY: - SHEET 1/2

P367

P368

P369

P364

P357

- P219
- LH WING UP/DOWN SIGNAL - 382
 - LH WING UP/DOWN ENABLE - 400
 - LH WING IN/OUT SIGNAL - 384
 - LH WING IN/OUT ENABLE - 401
 - RH WING UP/DOWN SIGNAL - 388
 - RH WING UP/DOWN ENABLE - 402
 - RH WING IN/OUT SIGNAL - 390
 - RH WING IN/OUT ENABLE - 403
 - GROUND - 2
- NOT USED

- P370
- LH FRONT TEMP DOOR, IN - 273
 - LH FRONT TEMP DOOR, OUT - 271
 - LH REAR TEMP DOOR, IN - 269
 - LH REAR TEMP DOOR, OUT - 267
 - LH OUTER DOOR TILT, IN - 265
 - LH OUTER DOOR TILT, OUT - 263
 - RH FRONT TEMP DOOR, IN - 295
 - RH FRONT TEMP DOOR, OUT - 297
 - RH REAR TEMP DOOR, IN - 299
 - RH REAR TEMP DOOR, OUT - 301
 - RH OUTER DOOR TILT, IN - 289
 - RH OUTER DOOR TILT, OUT - 291
 - LH TRIGGER - 258
 - RH TRIGGER - 288
 - POWER +24 VDC, CB62 - 26
 - GROUND - 2
 - POWER +24 VDC, CB66 - 30
- PINS 18 TO 40 NOT USED

- 382 - LH WING UP/DOWN SIGNAL
- 400 - LH WING UP/DOWN ENABLE
- 384 - LH WING IN/OUT SIGNAL
- 401 - LH WING IN/OUT ENABLE
- 385 - LH JOYSTICK ENABLE
- 2 - GROUND

- 388 - RH WING UP/DOWN SIGNAL
- 402 - RH WING UP/DOWN ENABLE
- 390 - RH WING IN/OUT SIGNAL
- 403 - RH WING IN/OUT ENABLE
- 389 - RH FRONT JOYSTICK ENABLE
- 2 - GROUND

- 388 - RH WING UP/DOWN SIGNAL
- 402 - RH WING UP/DOWN ENABLE
- 390 - RH WING IN/OUT SIGNAL
- 403 - RH WING IN/OUT ENABLE
- 391 - RH REAR JOYSTICK ENABLE
- 2 - GROUND

- 385 - LH JOYSTICK ENABLE
- 26 - POWER +24 VDC, CB62
- 385 - LH JOYSTICK ENABLE
- 389 - RH FRONT JOYSTICK ENABLE
- 30 - POWER +24 VDC, CB66
- 391 - RH REAR JOYSTICK ENABLE

- 273 - LH FRONT TEMP DOOR, IN
- 271 - LH FRONT TEMP DOOR, OUT
- 269 - LH REAR TEMP DOOR, IN
- 267 - LH REAR TEMP DOOR, OUT
- 265 - LH OUTER DOOR TILT, IN
- 263 - LH OUTER DOOR TILT, OUT
- 258 - LH TRIGGER
- 385 - LH JOYSTICK ENABLE
- 2 - GROUND

- P358
- 1 295 - RH FRONT TEMP DOOR, IN
 - 2 297 - RH FRONT TEMP DOOR, OUT
 - 3 299 - RH REAR TEMP DOOR, IN
 - 4 301 - RH REAR TEMP DOOR, OUT
 - 5 289 - RH OUTER DOOR TILT, IN
 - 6 291 - RH OUTER DOOR TILT, OUT
 - 7 288 - RH TRIGGER
 - 8 389 - RH FRONT JOYSTICK ENABLE
 - 9 2 - GROUND

- P359
- 1 295 - RH FRONT TEMP DOOR, IN
 - 2 297 - RH FRONT TEMP DOOR, OUT
 - 3 299 - RH REAR TEMP DOOR, IN
 - 4 301 - RH REAR TEMP DOOR, OUT
 - 5 289 - RH OUTER DOOR TILT, IN
 - 6 291 - RH OUTER DOOR TILT, OUT
 - 7 288 - RH TRIGGER
 - 8 391 - RH REAR JOYSTICK ENABLE
 - 9 2 - GROUND

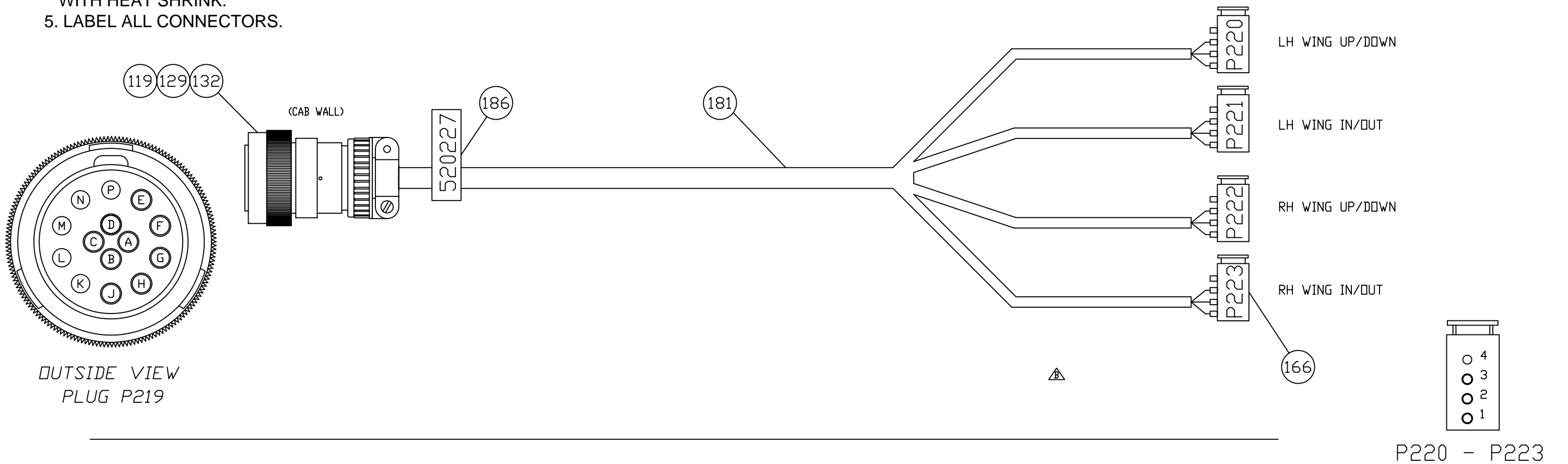
DESCRIPTION WIRE NUMBER

NO CHANGE THIS SHEET		AJB	26-SEP-07	-
NEW ISSUE		JW/W	4-OCT-06	-
REV	CHANGE	DRAWN BY	CHECKED BY	DATE

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	±	DESCRIPTION: HARNESS, SEAT JOYSTICKS		
JX	± .06	SIZE	SCALE	DRAWING CODE NUMBER
XX	± .03	D	NTS	520225
XXX	± .010	PLANE ANGLES ± 1°	ASSEMBLY: -	SHEET 2/2

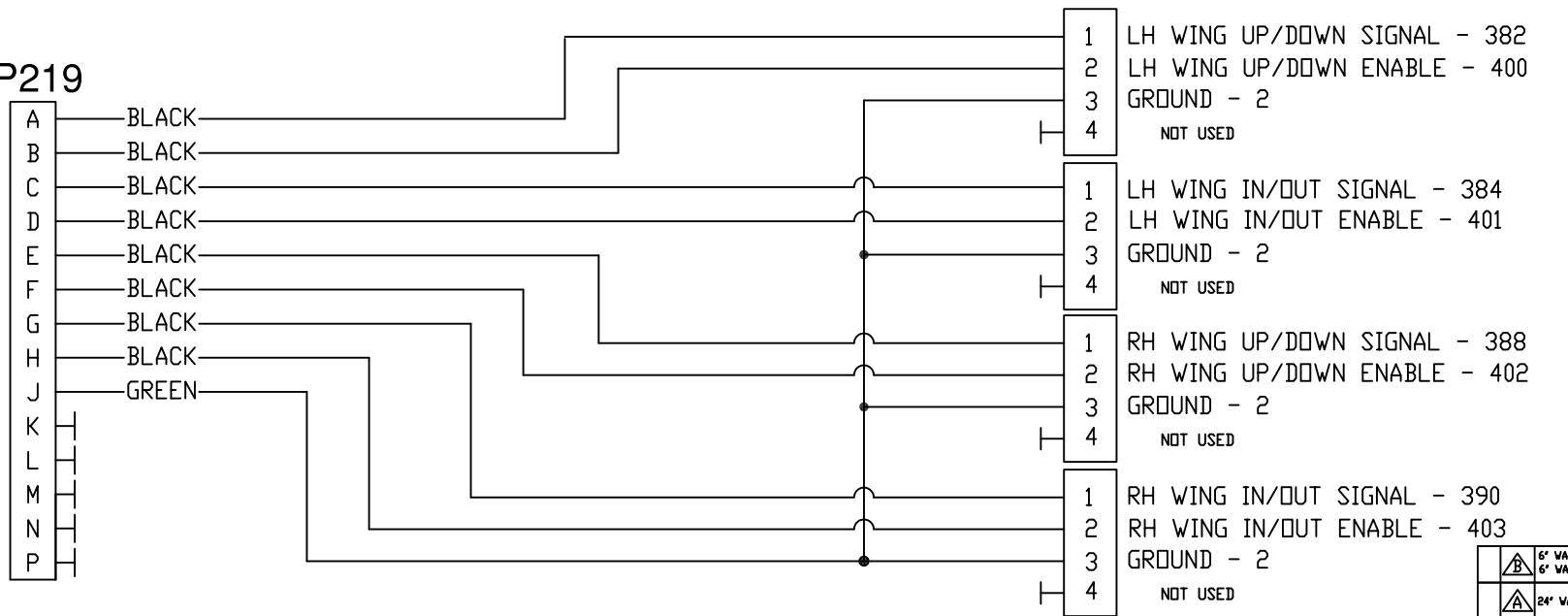
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
119	5120 768	1	PLUG, 14-PORT DEUTSCH #HD46-18-14-SN	P219
129	5166 796	9	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	
132	5166 788	5	SEALING PLUG, 12-16 GA DEUTSCH #114017	
166	520230	4	CONNECTOR, 4 POLE W/ PINS (AMP) SAUER DANFOSS #157B4992	P220-P223
181		AR	BLACK BRAIDING MATERIAL	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	

- NOTE:**
1. ATTACH PANDUIT LABEL (ITEM 186) NEAR P219 END.
 2. LABEL ALL WIRES WITHIN 2 INCHES OF BOTH ENDS. LABEL ON WIRE, NOT TERMINAL
 3. WIRE TO BE STRANDED COPPER, 16 GAUGE, SXL OR GXL TYPE OR APPROVED EQUIV. COLOURS AS INDICATED.
 4. SPLICES TO BE IN LOCATIONS INDICATED. ALL SPLICES TO BE SOLDERED AND WRAPPED WITH HEAT SHRINK.
 5. LABEL ALL CONNECTORS.



OUTSIDE VIEW
PLUG P219

- P219**
- LH WING UP/DOWN SIGNAL - 382
 - LH WING UP/DOWN ENABLE - 400
 - LH WING IN/OUT SIGNAL - 384
 - LH WING IN/OUT ENABLE - 401
 - RH WING UP/DOWN SIGNAL - 388
 - RH WING UP/DOWN ENABLE - 402
 - RH WING IN/OUT SIGNAL - 390
 - RH WING IN/OUT ENABLE - 403
 - GROUND - 2
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED

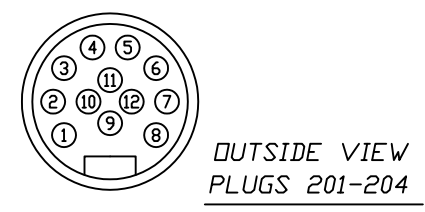
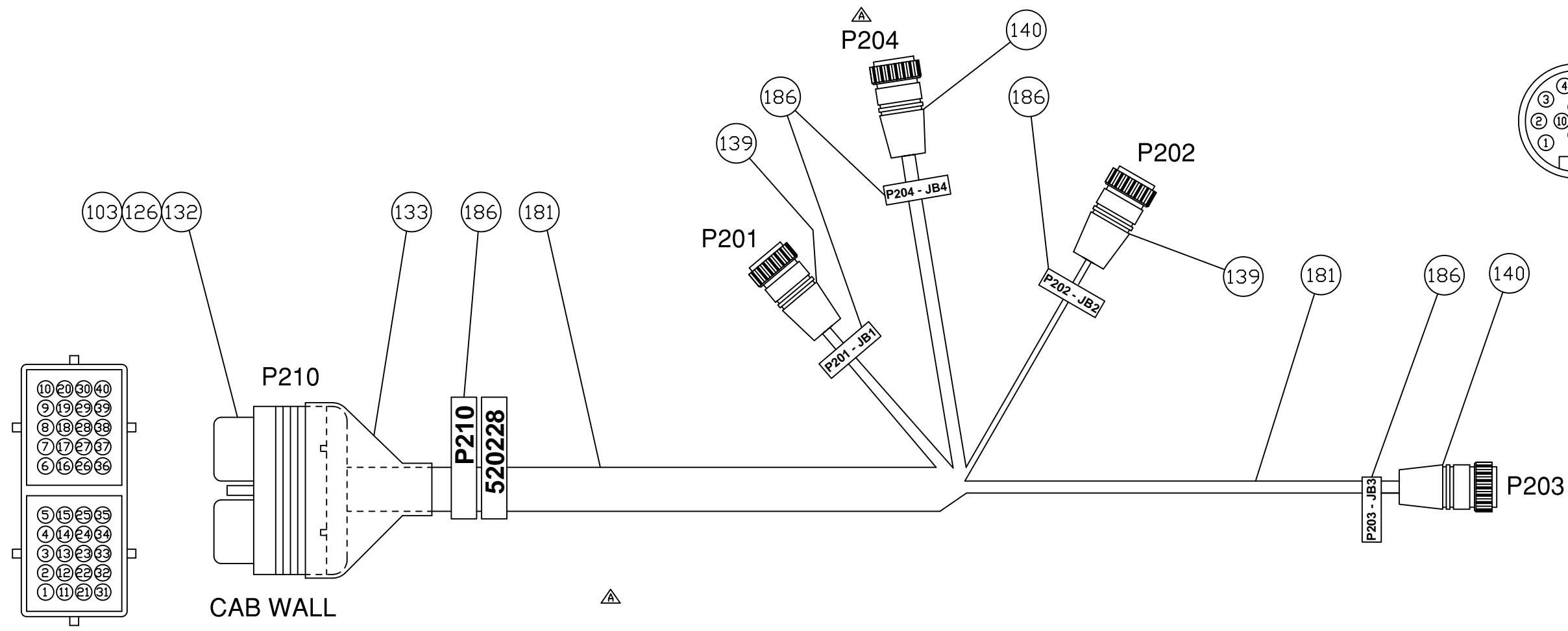


CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	± 1/8	DESCRIPTION: HARNESS, PVG32 PROP. VALVES		
.X	± .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	± .03	D	NTS	520227
.XXX	± .010	ASSEMBLY: -		REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		PLANE ANGLES +/- 1°		
REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.D. #
1		AJB	24-SEP-07	
		JWV	8-FEB-07	
		JWV	3-OCT-06	

6" WAS 24"	24" WAS 8"	NEW ISSUE
24" WAS 72"		

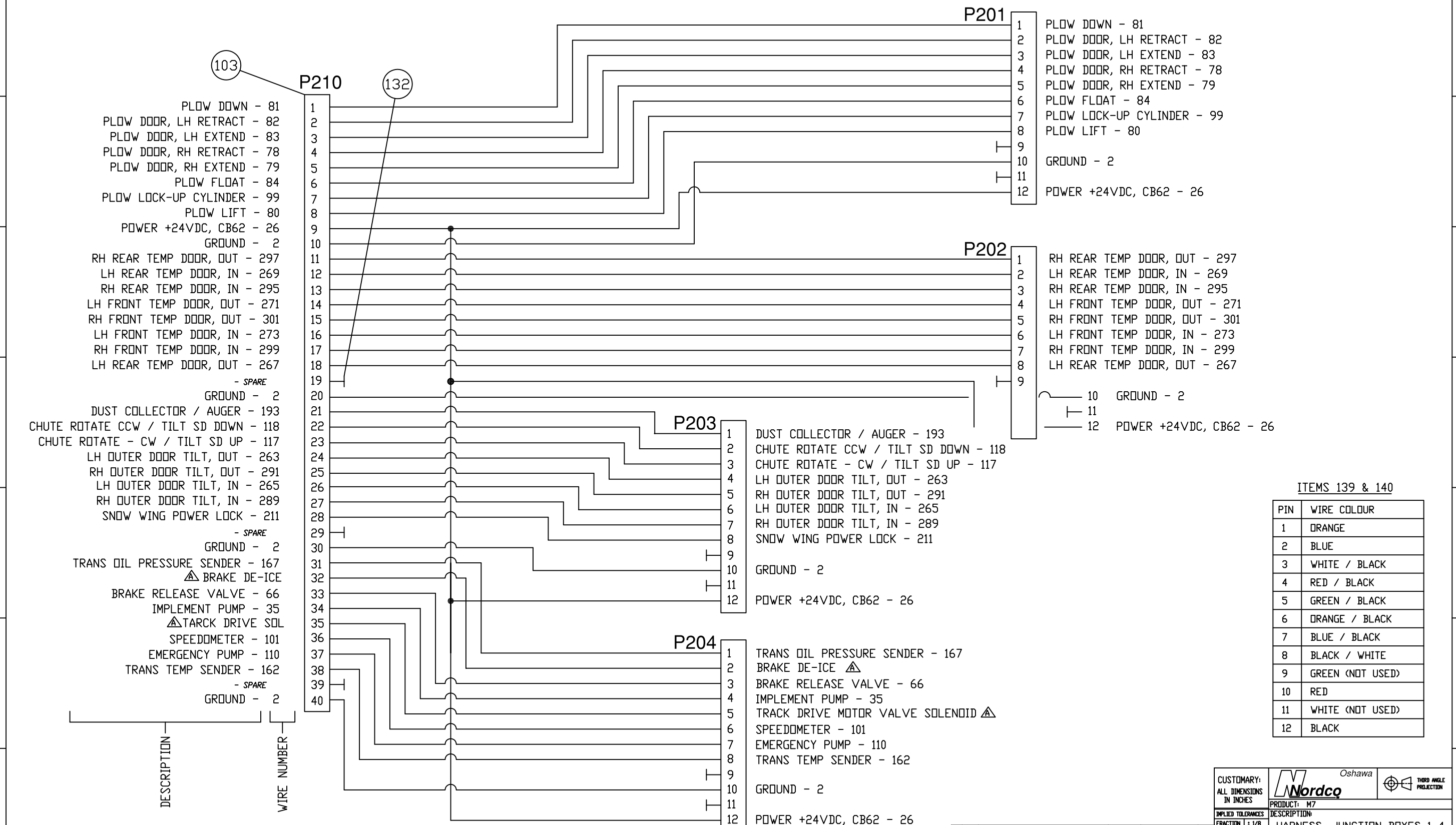
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
103	5166 844	1	PLUG, 40-SOCKET DEUTSCH #DRC-16-40SA	P210
126	5166 798	37	SOCKET, 16 GA DEUTSCH #0462-201-16141	
132	5166 788	3	SEALING PLUG, 12-16 GA DEUTSCH #114017	
133	1989 1540	1	BOOT, CONNECTOR DEUTSCH #DRC 40-BT	
139	2231 1619-072	2	PLUG, FEMALE, 12-PORT W/ 6' LEADS LUMBERG RK120M-624/6F	P201, 202
140	2231 1619-144	2	PLUG, FEMALE, 12-PORT W/ 12' LEADS LUMBERG RK120M-624/12F	P203, 204
181		AR	BLACK BRAIDING MATERIAL	
186	4738 0100	6	LABEL PANDUIT T400X000VXIY	

- NOTE:
- FOR WIRE CONNECTIONS SEE SHEET 2
 - ATTACH PANDUIT LABEL (ITEM 186) NEAR ALL CONNECTORS.
 - REMOVE OUTER JACKET OF ITEMS 139 AND 140 WHERE THE CABLES MEET. REPLACE WITH ITEM 181 BLACK BRAIDING MATERIAL AFTER COMBINING.
 - ALL SPLICES ARE TO BE SOLDERED AND COVERED WITH HEAT SHRINK. SPLICES ARE TO BE MADE WITHIN 6" OF INTERSECTION. STAGGER SPLICES TO PREVENT BULGING.
 - ALL UNUSED WIRES TO BE CUT AND CAPPED TO PREVENT SHORT CIRCUITS.



OUTSIDE VIEW
PLUG P210

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa 		THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES FRACTION ± 1/8 X ± .06 XX ± .03 XXX ± .010		PRODUCT: M7 DESCRIPTION: HARNESS, JUNCTION BOXES 1-4			
RECONFIGURED THE WIRE LAYOUT FOR P201 - P204 DIM 36" WAS 48" DIM 43" WAS 60"		AJB 27-SEP-07		-	
NEW ISSUE		JWV 27-SEP-06		CP, 27-SEP-06	
DATE:	DATE:	DATE:	DATE:	ECD #	PLANE ANGLES +/- 1°
SIZE	SCALE	DRAWING CODE NUMBER		REV.	
D NTS		520228		A	
ASSEMBLY: -				SHEET 1/2	



- P201**
- 1 PLOW DOWN - 81
 - 2 PLOW DOOR, LH RETRACT - 82
 - 3 PLOW DOOR, LH EXTEND - 83
 - 4 PLOW DOOR, RH RETRACT - 78
 - 5 PLOW DOOR, RH EXTEND - 79
 - 6 PLOW FLOAT - 84
 - 7 PLOW LOCK-UP CYLINDER - 99
 - 8 PLOW LIFT - 80
 - 9
 - 10 GROUND - 2
 - 11
 - 12 POWER +24VDC, CB62 - 26

- P202**
- 1 RH REAR TEMP DOOR, OUT - 297
 - 2 LH REAR TEMP DOOR, IN - 269
 - 3 RH REAR TEMP DOOR, IN - 295
 - 4 LH FRONT TEMP DOOR, OUT - 271
 - 5 RH FRONT TEMP DOOR, OUT - 301
 - 6 LH FRONT TEMP DOOR, IN - 273
 - 7 RH FRONT TEMP DOOR, IN - 299
 - 8 LH REAR TEMP DOOR, OUT - 267
 - 9
 - 10 GROUND - 2
 - 11
 - 12 POWER +24VDC, CB62 - 26

- P203**
- 1 DUST COLLECTOR / AUGER - 193
 - 2 CHUTE ROTATE CCW / TILT SD DOWN - 118
 - 3 CHUTE ROTATE - CW / TILT SD UP - 117
 - 4 LH OUTER DOOR TILT, OUT - 263
 - 5 RH OUTER DOOR TILT, OUT - 291
 - 6 LH OUTER DOOR TILT, IN - 265
 - 7 RH OUTER DOOR TILT, IN - 289
 - 8 SNOW WING POWER LOCK - 211
 - 9
 - 10 GROUND - 2
 - 11
 - 12 POWER +24VDC, CB62 - 26

- P204**
- 1 TRANS OIL PRESSURE SENDER - 167
 - 2 BRAKE DE-ICE
 - 3 BRAKE RELEASE VALVE - 66
 - 4 IMPLEMENT PUMP - 35
 - 5 TRACK DRIVE MOTOR VALVE SOLENOID
 - 6 SPEEDOMETER - 101
 - 7 EMERGENCY PUMP - 110
 - 8 TRANS TEMP SENDER - 162
 - 9
 - 10 GROUND - 2
 - 11
 - 12 POWER +24VDC, CB62 - 26

ITEMS 139 & 140

PIN	WIRE COLOUR
1	ORANGE
2	BLUE
3	WHITE / BLACK
4	RED / BLACK
5	GREEN / BLACK
6	ORANGE / BLACK
7	BLUE / BLACK
8	BLACK / WHITE
9	GREEN (NOT USED)
10	RED
11	WHITE (NOT USED)
12	BLACK

CAB WALL

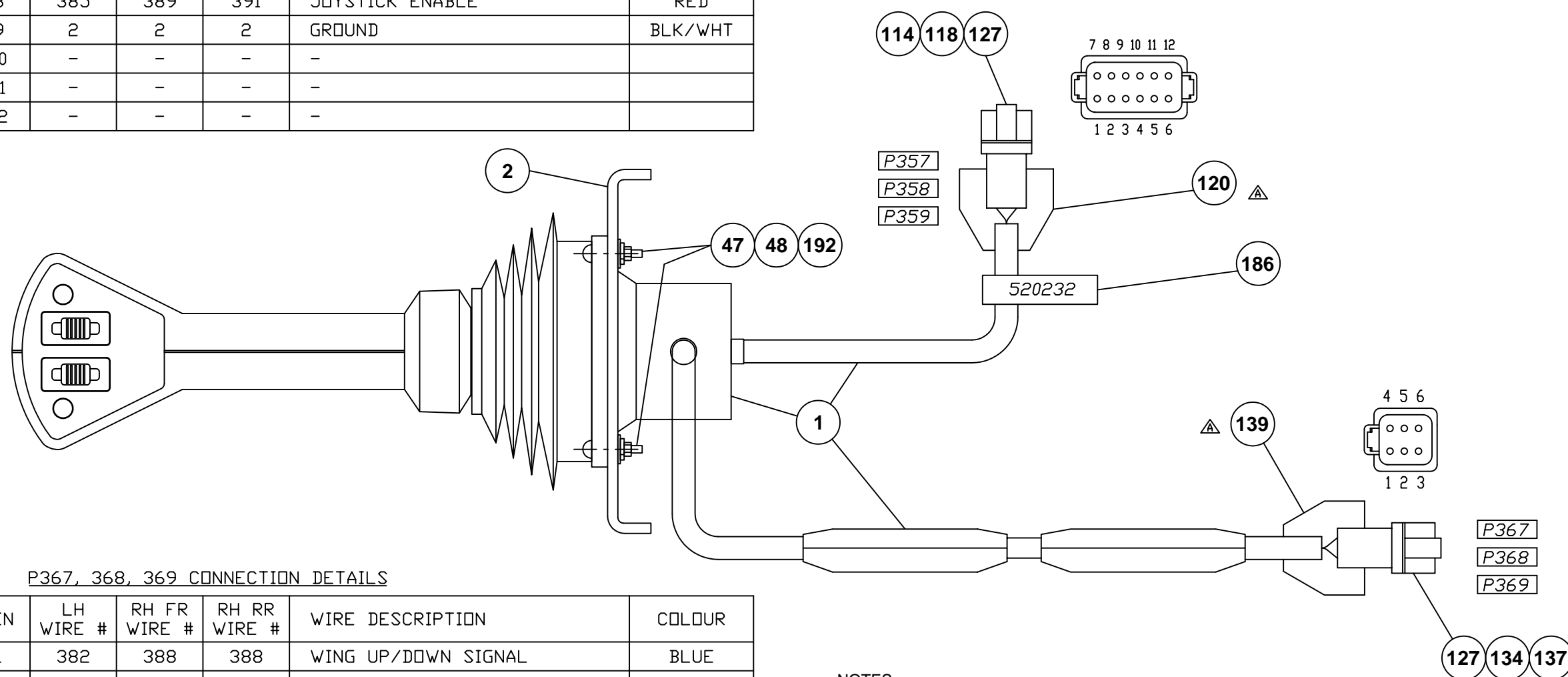
CUSTOMARY: ALL DIMENSIONS IN INCHES
 Oshawa
Nordco
 PRODUCT: M7
 DESCRIPTION: HARNESS, JUNCTION BOXES 1-4
 IMPLIED TOLERANCES: FRACTION ± 1/8, X ± .06, XX ± .03, XXX ± .010
 SIZE: D, SCALE: NTS, DRAWING CODE NUMBER: 520228, REV: A
 ASSEMBLY: -
 SHEET 2/2

REV	CHANGE	DRAWN BY	CHECKED BY	DATE	DATE	DATE	DATE
1	REPLACED SPARE 32 ON P210 WITH BRAKE DE-ICE. REPLACED SPACE 35 ON P210 WITH TRACK DRIVE SOL.	AJB		24-SEP-07			
2	NEW ISSUE	JWW	CP	27-SEP-06			

P357, 358, 359 CONNECTION DETAILS

PIN	LH WIRE #	RH FR WIRE #	RH RR WIRE #	WIRE DESCRIPTION	COLOUR
1	273	295	295	FRONT TEMP DOOR, IN	BLUE
2	271	297	297	FRONT TEMP DOOR, OUT	WHITE
3	269	299	299	REAR TEMP DOOR, IN	GREEN
4	267	301	301	REAR TEMP DOOR, OUT	BROWN
5	265	289	289	OUTER DOOR TILT, IN	PURPLE
6	263	291	291	OUTER DOOR TILT, OUT	YELLOW
7	258	288	288	TRIGGER	ORANGE
8	385	389	391	JOYSTICK ENABLE	RED
9	2	2	2	GROUND	BLK/WHT
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	520209	1	JOYSTICK, OPERATOR	
2	700385	1	MOUNTING PLATE, JOYSTICK	
47	3048 040	4	NUT, HEX MACHINE #10-24	
48	3064 458	4	WASHER, SPRING LOCK #10	
114	5166 812	1	RECEPTACLE, 12-PIN DEUTSCH #DT04-12P	P357-359
118	5112 932	1	LOCKING WEDGE, FOR 12 PIN RECEPTACLE DEUTSCH #W12P	
120	520 253	15	BOOT, 12 WAY RECEPTACLE DEUTSCH #DT12P-BT	
127	5166 797	15	PIN, 16 GA DEUTSCH #0460-202-16141	
134	5166 806	1	RECEPTACLE, 6-PIN DEUTSCH #DT04-06P	P367-369
137	5112 926	1	LOCKING WEDGE, FOR 6 PIN RECEPTACLE DEUTSCH #W6P	
139	1989 1526	1	BOOT, 6 PIN RECEPTACLE DEUTSCH # DT6P-BT	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	
192	2837 631	4	SCREW, RD HEAD MACHINE, 10-24 x 3/4' LG.	



P367, 368, 369 CONNECTION DETAILS

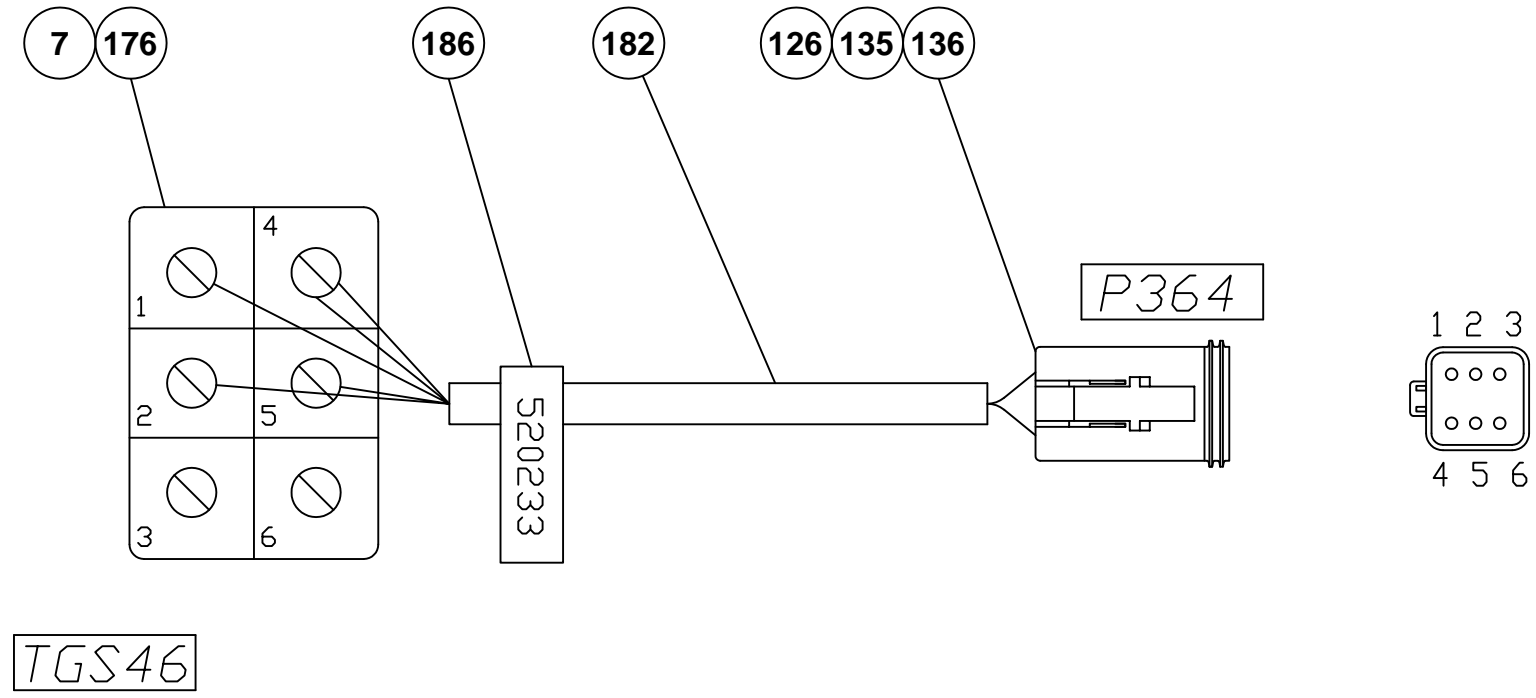
PIN	LH WIRE #	RH FR WIRE #	RH RR WIRE #	WIRE DESCRIPTION	COLOUR
1	382	388	388	WING UP/DOWN SIGNAL	BLUE
2	400	402	402	WING UP/DOWN ENABLE	ORANGE
3	384	390	390	WING IN/OUT SIGNAL	WHITE
4	401	403	403	WING IN/OUT ENABLE	BROWN
5	385	389	391	JOYSTICK ENABLE	RED
6	2	2	2	GROUND	BLACK

NOTES:
 1. LH, RH FR, AND RH RR WIRE #'S ARE FOR REFERENCE ONLY (BASED ON INSTALLED LOCATION).
 2. JOYSTICK IS SUPPLIED WITH APPROX. 24" OF 18 GA. COLOUR CODED WIRE.

ADDED ITEM 120 & 139 ITEM 118 P/N 5112 932 WAS 5166 932	AJB 26-SEP-07			
NEW ISSUE	JWV 26-OCT-06	CP, 26-OCT-06		
REV	CHANGE	CHECKED BY	DATE	ECN #

CUSTOMARY: ALL DIMENSIONS IN INCHES
 Oshawa
Nordco
 PRODUCT: M7
 DESCRIPTION: ASSY, SEAT JOYSTICK
 IMPLD TOLERANCES: FRACTION: ± 1/8, ± .06, ± .03, ± .010
 SIZE: D NTS 520232
 SCALE: ASSEMBLY: -
 DRAWING CODE NUMBER: 520232
 REV: A
 SHEET 1/1

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
7	5125 579	1	SWITCH, TOGGLE CH#8501K1 DPDT ON-ON	TGS46
126	5166 798	5	SOCKET, 16 GA DEUTSCH #0462-201-16141	P364
135	5166 816	1	PLUG, 6-PIN DEUTSCH #DT06-06P	
136	5112 936	1	LOCKING WEDGE, FOR 6 SOCKET PLUG DEUTSCH #W6S	
176	5164 405	5	TERMINAL, RING, 14-16 GA, #6 STUD TECHSPAN # 761018	
182		10'	CORRUGATED LOOM, SLIT BLACK POLYETHELENE	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	



CONNECTION DETAILS

P364 PIN	WIRE #	WIRE DESCRIPTION	TGS46 TERMINAL	WIRE INFO
1	385	LH JOYSTICK ENABLE	1	16 GA. BLACK
2	26	POWER +24VDC, CB62	2	16 GA. RED
4	389	RH FRONT JOYSTICK ENABLE	4	16 GA. BLACK
5	30	POWER +24VDC, CB66	5	16 GA. RED
6	391	RH REAR JOYSTICK ENABLE	4	16 GA. BLACK

- NOTES:
 1. WIRE TO BE 16 GA. STRANDED COPPER. GXL, SXL OR APPROVED EQUIVALENT.
 2. ONLY CRIMPED RING TERMINALS TO BE CONNECTED TO TOGGLE SWITCH.

CUSTOMARY: ALL DIMENSIONS IN INCHES
 IMPLIED TOLERANCES: FRACTION ± 1/8, XX ± .06, XXX ± .03, XXXX ± .010
 25% / MACHINE FINISH UNLESS OTHERWISE STATED
 PLANE ANGLES +/- 1°

Oshawa
Nordco
 PRODUCT: M7
 DESCRIPTION: ASSY, JOYSTICK SWITCH

THIRD ANGLE PROJECTION

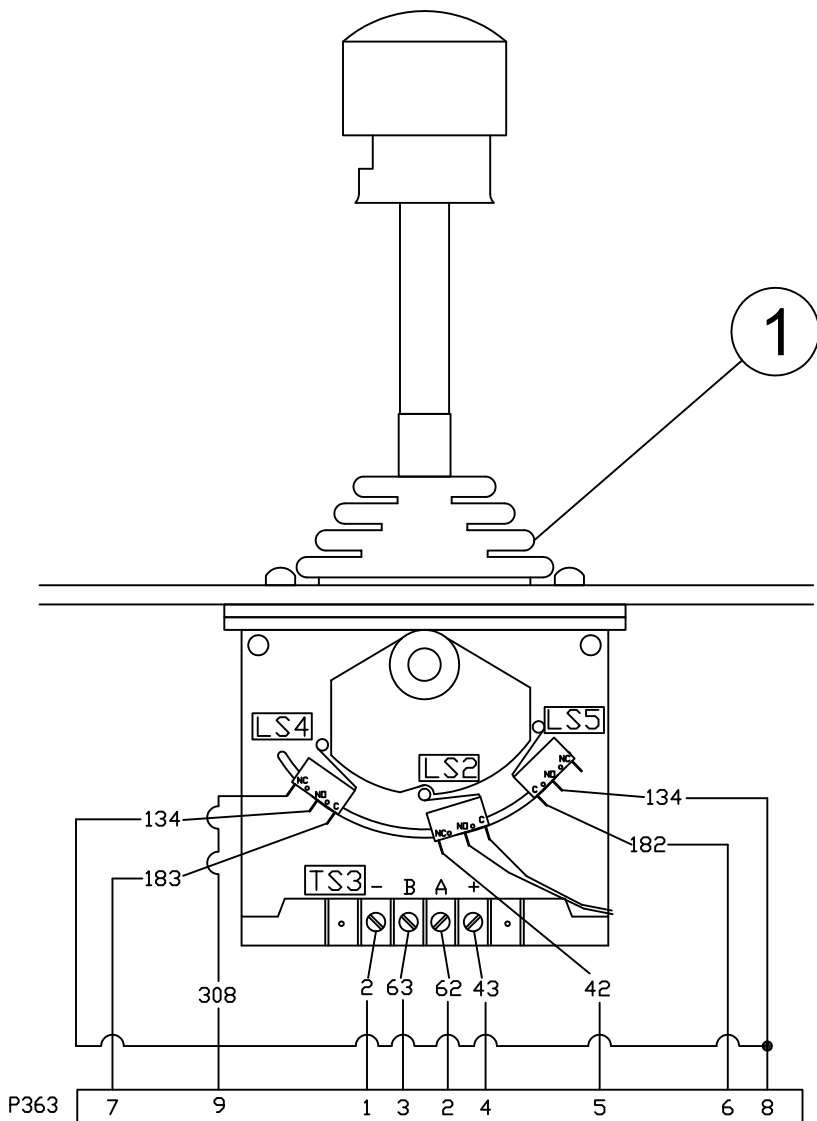
SIZE	SCALE	DRAWING CODE NUMBER	REV.
D	NTS	520233	-

ASSEMBLY: - SHEET 1/1

NEW ISSUE	JWW	CP, 27-OCT-06	-
DATE	DATE	DATE	DATE
REV	CHANGE	DATE	DATE

BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	520210	1	JOYSTICK, EDC FWD / REV, MCH	
△ 110	5166 822	1	PLUG, 12-PIN DEUTSCH #DT06-12S	
△ 112	5112 942	1	LOCKING WEDGE, FOR 12 SOCKET PLUG DEUTSCH #W12S	
△ 130	5166 796	12	SOCKET, 14-16GA DEUTSCH #0462-209-16141	
185	5170 240	AR	CABLE TIES	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	



CONNECTION LIST

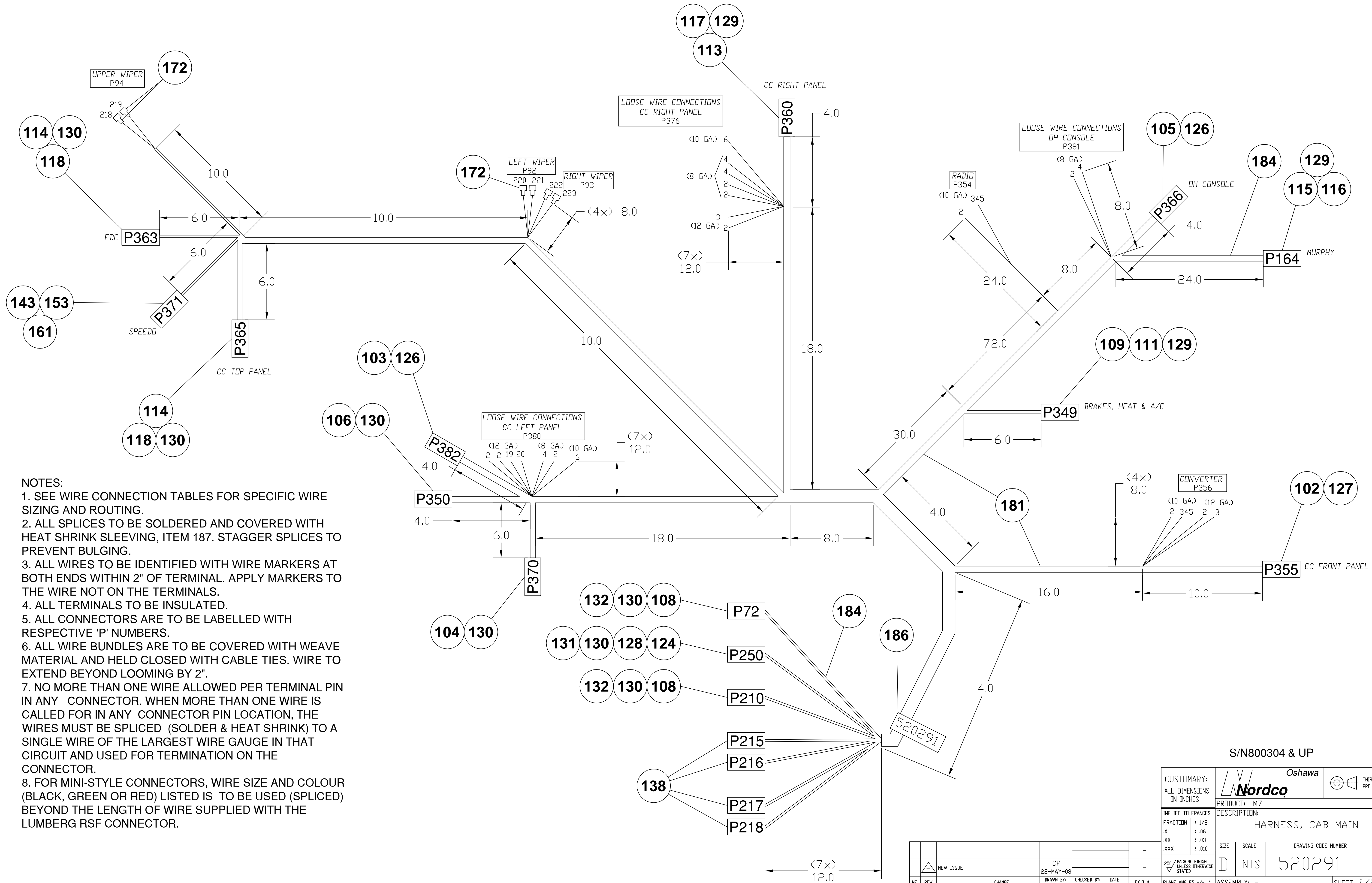
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	TS3 @ -	P363 @ 1	2
16 AWG BLACK	LS2 @ NC	P363 @ 5	42
16 AWG BLACK	TS3 @ +	P363 @ 4	43
16 AWG BLACK	TS3 @ A	P363 @ 2	62
16 AWG BLACK	TS3 @ B	P363 @ 3	63
16 AWG BLACK	LS4 @ ND	LS5 @ ND	134
16 AWG BLACK	LS5 @ ND	P363 @ 8	134
16 AWG BLACK	LS5 @ C	P363 @ 6	182
16 AWG BLACK	LS4 @ C	P363 @ 7	183
△ 16 AWG BLACK	LS4 @ NC	P363 @ 9	308

NOTES:

- USE CABLE TIES, ITEM 185, AS REQUIRED.
- ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
- ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
- ALL COMPONENT IDENTIFICATIONS SHOWN BOXED ARE TO BE LABELLED WITH TEXT SHOWN.
- WIRES TO BE STRANDED COPPER OF INDICATED GAUGE, GXL, SXL TYPE OR APPROVED EQUIVALENT.
- ALL WIRE TO HAVE A TERMINAL CRIMPED TO ENDS. NO BARE WIRE CONNECTIONS TO COMPONENTS. AT POINTS WHERE 2 WIRES ARE AT ONE CONNECTION, CRIMP IN SAME TERMINAL, BUT USE TERMINAL ONE SIZE LARGER TO ACCOMMODATE BOTH WIRES. NO MORE THAN 2 WIRES ARE ALLOWED PER CRIMPED TERMINAL.
- USE CABLE TIES (ITEM 185) AS REQUIRED.
- ATTACH LABEL ITEM 186 NEAR P363 CONNECTOR AROUND WIRES. LABEL TO READ "520234".
- REMOVE ALUMINUM PLATE AND BLACK PLASTIC COVER. SHIP ALUMINUM PLATE AND SCREWS SEPARATELY (DO NOT REASSEMBLE). BLACK PLASTIC COVER MAY BE DISCARDED.
- USE PROPERLY SIZED, FULLY INSULATED RING TERMINALS TO CONNECT TO TERMINAL STRIP.
- USE PROPERLY SIZED, FULLY INSULATED SPADE TERMINALS TO MAKE LIMIT SWITCH CONNECTIONS.

110 112 130

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION : 1/8 X : .06 XX : .03 XXX : .010		DESCRIPTION: ASSY, EDC JOYSTICK W/ CONNECTOR		
25% / MACHINE FINISH UNLESS OTHERWISE STATED		SIZE	SCALE	DRAWING CODE NUMBER
NEW ISSUE		D	NTS	520234
REV	CHANGE	DATE	DATE	ASSEMBLY: -
ITEM 110 P/N 5166 822 # WAS 5166 812, ITEM 112 P/N 5112 942 WAS 5166 930, ITEM 130 P/N 5166 796 # WAS 5166 791, QTY 12 WAS 8 ADDED WIRE #308 LS4 NC TO P363 @ 9		DATE	DATE	SHEET 1/1
DATE	DATE	DATE	DATE	



- NOTES:**
1. SEE WIRE CONNECTION TABLES FOR SPECIFIC WIRE SIZING AND ROUTING.
 2. ALL SPLICES TO BE SOLDERED AND COVERED WITH HEAT SHRINK SLEEVING, ITEM 187. STAGGER SPLICES TO PREVENT BULGING.
 3. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS WITHIN 2" OF TERMINAL. APPLY MARKERS TO THE WIRE NOT ON THE TERMINALS.
 4. ALL TERMINALS TO BE INSULATED.
 5. ALL CONNECTORS ARE TO BE LABELLED WITH RESPECTIVE 'P' NUMBERS.
 6. ALL WIRE BUNDLES ARE TO BE COVERED WITH WEAVE MATERIAL AND HELD CLOSED WITH CABLE TIES. WIRE TO EXTEND BEYOND LOOMING BY 2".
 7. NO MORE THAN ONE WIRE ALLOWED PER TERMINAL PIN IN ANY CONNECTOR. WHEN MORE THAN ONE WIRE IS CALLED FOR IN ANY CONNECTOR PIN LOCATION, THE WIRES MUST BE SPLICED (SOLDER & HEAT SHRINK) TO A SINGLE WIRE OF THE LARGEST WIRE GAUGE IN THAT CIRCUIT AND USED FOR TERMINATION ON THE CONNECTOR.
 8. FOR MINI-STYLE CONNECTORS, WIRE SIZE AND COLOUR (BLACK, GREEN OR RED) LISTED IS TO BE USED (SPLICED) BEYOND THE LENGTH OF WIRE SUPPLIED WITH THE LUMBERG RSF CONNECTOR.

NEW ISSUE	CP 22-MAY-08	CHECKED BY: DATE:	DATE:	E.C.D. #	PLANE ANGLES +/- 1°
REV	CHANGE	DATE:	DATE:		

CUSTOMARY: ALL DIMENSIONS IN INCHES	Nordco Oshawa	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES FRACTION : 1/8 X : .06 XX : .03 .XXX : .010	PRODUCT: M7 DESCRIPTION: HARNESS, CAB MAIN	SIZE : D SCALE : NTS DRAWING CODE NUMBER : 520291 REV. : -
250 / MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -	SHEET 1/2

S/N800304 & UP

NO. 520291	SHEET NO. 2/2	ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY BY NORDCO INC. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NORDCO INC.
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BILL OF MATERIALS

ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700342	1	BULKHEAD PLATE, ELECTRICAL (NOT SHOWN)	
2	690136	1	PLAQUE, CAB ELECTRICAL BULKHEAD (NOT SHOWN)	
3	K-071	36	WEATHERSTRIP #1440 GREY EPDM (NOT SHOWN)	
102	5166 839	1	RECEPTACLE, 24-PIN DEUTSCH #DRC-14-24PA	P355
103	5166 844	1	PLUG, 40-SOCKET DEUTSCH #DRC-14-40PA	P382
104	5166 841	1	RECEPTACLE, 40-PIN DEUTSCH #DRC-14-40PA	P370
105	5166 850	1	PLUG, 70-SOCKET DEUTSCH #DRC-16-70SA	P366
106	5166 851	1	RECEPTACLE, 70-PIN DEUTSCH #DRC-14-70PA	P350
108	5166 842	2	RECEPTACLE, 40-PIN, FLANGE MOUNT DEUTSCH #DRC-12-40PA	P72,P210
109	5166 818	1	PLUG, 8-SOCKET DEUTSCH #DT06-8S	P349
111	5112 938	1	LOCKING WEDGE, FOR 8 SOCKET PLUG DEUTSCH #W8S	
113	5166 822	1	PLUG, 12-PIN DEUTSCH #DT06-12S	P360
114	5166 812	2	RECEPTACLE, 12-PIN DEUTSCH #DT04-12P	P365, P363
115	5166 816	1	PLUG, DEUTSCH DT06-6S	P164
116	5112 936	1	LOCKING WEDGE, FOR 6 SOCKET PLUG DEUTSCH #W6S	
117	5112 942	1	LOCKING WEDGE, FOR 12 SOCKET PLUG DEUTSCH #W12S	P360
118	5166 932	2	LOCKING WEDGE, FOR 12 PIN RECEPTACLE DEUTSCH #W12P	P365, P363
124	520194	1	RECEPTACLE, 29 PIN DEUTSCH #HD44-24-29-PN	P250
126	5166 798	AR	SOCKET, 16 GA DEUTSCH #0462-201-16141	
127	5166 797	AR	PIN, 16 GA DEUTSCH #0460-202-16141	
128	5166 799	4	PIN, 12 GA DEUTSCH #0460-204-12141	P250
129	5166 796	AR	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
131	5166 787	4	SEALING PLUG, 20 GA DEUTSCH #0413-0204-2005	P250
132	5166 788	AR	SEALING PLUG, 12-16 GA DEUTSCH #114017	
138	5120 803	4	RECEPTACLE, 12-PORT LUMBERG RSF 120M-624/3F	P215-P218
143	5166 763	1	CONNECTOR, MALE TOWER, 3-POLE PACKARD #12020829	P371
153	5166 777	3	SEAL, 16 GA OR SMALLER PACKARD #12015284	P371
161	5166 793	3	SOCKET, FEMALE 14-16 GA. PACKARD #12124580	P371
172	5166 693	6	TERMINAL, FEMALE SPADE 14-16 GA TECHSPAN # 761355	P92,P93,P94
181		AR	BLACK BRAIDING MATERIAL	
184		AR	CABLE, 18 AWG SHIELDED - SAE J-1939/11 DATABUS CABLE	
186	4738 0100	1	LABEL PANDUIT T400X000VXIY	
187		AR	HEAT SHRINK TUBING 1/4" POLYOLEFIN	

S/N800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES	 Nordco		THIRD ANGLE PROJECTION	PRODUCT: M7 DESCRIPTION: HARNESS, CAB MAIN
IMPLIED TOLERANCES FRACTION : 1/8 X : .06 XX : .03 .XXX : .010	SIZE : D	SCALE : NTS	DRAWING CODE NUMBER : 520291	REV. : -
250 / MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -		

NO.	REV.	CHANGE	DATE	DRAWN BY: CP	DATE: 22-MAY-08	CHECKED BY:	DATE:	E.C.D. #

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P72 Engine Harness at Cab Wall						
1	-	-	132			-
2	-	-	132			-
3	-	-	132			-
4	-	-	132			-
5	315	- "Wait to Start" lamp (ground) - to ECU	130		P366 @ 49	16 ga. Black
6	-	-	132			-
7	-	-	130			-
8	423	- Power +24V Engine Reverse Fan On-Off	130		P360 @ 12	16 ga. Red
9	-	-	130			-
10	-	-	132			-
11	-	-	132			-
12	-	-	132			-
13	-	-	132			-
14	-	-	132			-
15	39	- Starter Solenoid from Neutral Start Relay	130		P350 @ 3	16 ga. Black
16	36	- Tachometer	130		P366 @ 16	16 ga. Black
17	359	- Engine Shutdown Override Return (J.D. 8.1L)	130		P360 @ 4	16 ga. Black
18	360	- Engine Shutdown Override (J.D. 8.1L)	130		P360 @ 5	16 ga. Black
19	-	-	132			-
20	-	-	132			-
21	362	- Engine Hi/Low Speed Return (J.D. 8.1L)	130		P360 @ 7	16 ga. Black
22	361	- Engine Hi/Low Speed Select (J.D. 8.1L)	130		P360 @ 6	16 ga. Black
23	398	- Bump Enable	130		P360 @ 8	16 ga. Black
24	196	- A/C clutch and Relay	130	SPLICE	P366 @ 50	16 ga. Black
					P350 @ 7	16 ga. Black
25	323	- Power +24 Vdc to ECU (CB57)	130		P350 @ 39	16 ga. Red
26	324	- Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P350 @ 50	16 ga. Red
27	325	- Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P350 @ 51	16 ga. Red
28	326	- Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P350 @ 52	16 ga. Red
29	327	- Fused +24 Vdc Power to ECU (F8, 10A)	130		P350 @ 53	16 ga. Red
30	328	- Fused +24 Vdc Power to ECU (F9, 10A)	130		P350 @ 54	16 ga. Red
31	2	- Ground	130	SPLICE	P350 @ 40	16 ga. Green
					P164 @ 6	16 ga. Green
32	2	- Ground	130		P350 @ 41	16 ga. Green
33	2	- Ground	130		P350 @ 42	16 ga. Green
34	2	- Ground	130		P350 @ 43	16 ga. Green
35	2	- Ground	130		P350 @ 44	16 ga. Green
36	-	-	132			-
37	-	-	132			-
38	330	- CAN_H {J1939(+)}	130	SHIELDED	P164 @ 2	18 ga. Yellow
39	331	- CAN_L {J1939(-)}	130	CABLE,	P164 @ 3	18 ga. Green
40	332	- CAN_SHLD {J1939(shield)}	130	ITEM 184	P164 @ 4	18 ga. Gray

P92 L.H. Lower Winshield Wiper						
1	220	- Lower Wiper (left front) - Low speed	172		P366 @ 8	16 ga. Black
2	221	- Lower Wiper (left front) - Park	172		P366 @ 9	16 ga. Black

P93 R.H. Lower Winshield Wiper						
1	222	- Lower Wiper (right front) - Low speed	172		P366 @ 10	16 ga. Black
2	223	- Lower Wiper (right front) - Park	172		P366 @ 11	16 ga. Black

P94 Center Front Winshield Wiper						
1	218	- Front Wipers (upper) - Low speed	172		P366 @ 6	16 ga. Black
2	219	- Front Wipers (upper) - Park	172		P366 @ 7	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P164 Engine Diagnostic - Murphylink						
1	14	- Power +24VDC CB42	129	SPLICE	P366 @ 62 P371 @ A	16 ga. Red 16 ga. Red
2	330	- CAN_H {J1939(+)}	129	SHIELDED CABLE, ITEM 184	P72 @ 38	18 ga. Yellow
3	331	- CAN_L {J1939(-)}	129		P72 @ 39	18 ga. Green
4	332	- CAN_SHLD [J1939(shield)]	129		P72 @ 40	18 ga. Gray
5	-	-	-	-	-	-
6	2	- Ground	129	SPLICE	P72 @ 31 P350 @ 40	16 ga. Green 16 ga.

P210 Junction Box 1 - 4, Cab Wall						
1	81	- Plow Down	130	SPLICE	P355 @ 11 P350 @ 23	16 ga. Black 16 ga. Black
2	82	- Plow Door - L.H. Retract	130		P355 @ 15	16 ga. Black
3	83	- Plow Door - L.H. Extend	130		P355 @ 14	16 ga. Black
4	78	- Plow Door - R.H. Retract	130		P355 @ 13	16 ga. Black
5	79	- Plow Door - R.H. Extend	130		P355 @ 12	16 ga. Black
6	84	- Plow Float	130		P350 @ 24	16 ga. Black
7	99	- Plow Lock-up cylinder	130		P355 @ 9	16 ga. Black
8	80	Plow Lift	130	SPLICE	P355 @ 10 P350 @ 22	16 ga. Black 16 ga. Black
9	26	Power +24VDC CB62	130	SPLICE	P215 @ 12 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red
10	2	Ground	130	SPLICE	P210 @ 20 P350 @ 15 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
11	434	RH Rear Template Door OUT	130		P382 @ 6	16 ga. Black
12	431	LH Rear Template Door IN	130		P382 @ 3	16 ga. Black
13	433	RH Rear Template Door IN	130		P382 @ 5	16 ga. Black
14	430	LH Front Template Door OUT	130		P382 @ 2	16 ga. Black
15	436	RH Front Template Door OUT	130		P382 @ 8	16 ga. Black
16	429	LH Front Template Door IN	130		P382 @ 1	16 ga. Black
17	435	RH Front Template Door IN	130		P382 @ 7	16 ga. Black
18	432	LH Rear Template Door OUT	130		P382 @ 4	16 ga. Black
19	-	-	132			-
20	2	Ground	130	SPLICE	P210 @ 10 P350 @ 15 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
21	193	Dust Collector / Auger	130		P366 @ 35	16 ga. Black
22	118	Chute rotate - CCW / Tilttable Stone Deflector Down	130		P366 @ 37	16 ga. Black
23	117	Chute rotate - CW / Tilttable Stone Deflector Up	130		P366 @ 36	16 ga. Black
24	263	L.H. Outer Door Tilt/Rotate OUT	130		P350 @ 64	16 ga. Black
25	291	R.H. Outer Door Tilt/Rotate OUT	130		P350 @ 68	16 ga. Black
26	265	L.H. Outer Door Tilt/Rotate IN	130		P350 @ 63	16 ga. Black
27	289	R.H. Outer Door Tilt/Rotate IN	130		P350 @ 67	16 ga. Black
28	-	-	130			-
29	-	-	132			-
30	2	Ground	130	SPLICE	P210 @ 40 P350 @ 17	16 ga. Green 16 ga. Green
31	167	Transmission Oil Pressure Sender	130		P366 @ 19	16 ga. Black
32	404	Brake DE-ICE	132		P366 @ 48	16 ga. Black
33	49	Brake Pedal Out	130		P355 @ 8 P349 @ 1	16 ga. Black 16 ga.
34	35	Hydraulic Pump	130		P355 @ 2	16 ga. Black
35	308	Track Drive	132		P363 @ 9	16 ga. Black
36	101	Speedometer	130		P371 @ C	16 ga. Black
37	110	Emergency pump	130		P366 @ 20	16 ga. Black
38	162	Transmission Temp.Sender	130		P366 @ 18	16 ga. Black
39	-	-	132			16 ga. -
40	2	Ground	130	SPLICE	P210 @ 30 P350 @ 17	16 ga. Green 16 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P215 Junction Box 5 - Cab Wall						
1	40	Fuel Sender	ORN		P366 @ 17	16 ga. Black
2	115	Broom Forward Rotate	BLU		P366 @ 33	16 ga. Black
3	116	Broom Reverse Rotate	WHT/BLK		P366 @ 34	16 ga. Black
4	114	Broom Tilt - down	RED/BLK		P366 @ 32	16 ga. Black
5	113	Broom Tilt - up	GRN/BLK		P366 @ 31	16 ga. Black
6	112	Broom Down	ORG/BLK		P366 @ 30	16 ga. Black
7	111	Broom Up	BLU/BLK		P366 @ 29	16 ga. Black
8	160	Broom Lock-up valve	BLK/WHT		P366 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P216 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
					P370 @ 15	16 ga. Red

P216 Junction Box 6 - Cab Wall						
1	414	Trans Sol 3	ORN		P365 @ 12	16 ga. Black
2	411	Trans Sol 6	BLU		P365 @ 9	16 ga. Black
3	412	Trans Sol 5	WHT/BLK		P365 @ 10	16 ga. Black
4	424	Snow Wing LH Power Lock-up	RED/BLK		P366 @ 40	16 ga. Black
5	211	Snow Wing RH Power Lock-up	GRN/BLK		P366 @ 47	16 ga. Black
6	422	Turntable Interlock	ORG/BLK		P366 @ 70	16 ga. Black
7	276	Warm Up	BLU/BLK		P366 @ 5	16 ga. Black
8	413	Trans Sol 1	BLK/WHT		P365 @ 11	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P215 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
					P370 @ 15	16 ga. Red

P217 Junction Box 7 - Cab Wall						
1	296	R.H. Inner Door Tilt - In	ORN		P366 @ 43	16 ga. Black
2	293	R.H. Outer Door Rotate CCW	BLU		P350 @ 69	16 ga. Black
3	294	R.H. Outer Door Rotate CW	WHT/BLK		P350 @ 70	16 ga. Black
4	268	L.H. Inner Door Tilt - Out	RED/BLK		P366 @ 46	16 ga. Black
5	270	L.H. Inner Door Tilt - In	GRN/BLK		P366 @ 45	16 ga. Black
6	259	L.H. Outer Door Rotate CCW	ORG/BLK		P350 @ 65	16 ga. Black
7	261	L.H. Outer Door Rotate CW	BLU/BLK		P350 @ 66	16 ga. Black
8	298	R.H. Inner Door Tilt - Out	BLK/WHT		P366 @ 44	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P218 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
					P370 @ 15	16 ga. Red

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P218 Junction Box 8 - Cab Wall						
1	300	Right Rear Articulated Door - Up	ORN		P382 @ 13	16 ga. Black
2	290	Right Front Articulated Door - Down	BLU		P382 @ 16	16 ga. Black
3	292	Right Front Articulated Door - Up	WHT/BLK		P382 @ 15	16 ga. Black
4	260	Left Rear Articulated Door - Down	RED/BLK		P382 @ 12	16 ga. Black
5	262	Left Rear Articulated Door - Up	GRN/BLK		P382 @ 11	16 ga. Black
6	266	Left Front Articulated Door - Down	ORG/BLK		P382 @ 10	16 ga. Black
7	264	Left Front Articulated Door - Up	BLU/BLK		P382 @ 9	16 ga. Black
8	302	Right Rear Articulated Door - Down	BLK/WHT		P382 @ 14	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P217 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P350 @ 14	16 ga. Red
				P370 @ 15	16 ga. Red	

P250 Frame Harness at Cab Wall						
1	19	Power +24VDC CB51	128		P380 - 1	12 ga. Red
2	2	Ground	128		P380 - 2	12 ga. Green
3	20	Power +24VDC CB52	128		P380 - 3	12 ga. Red
4	2	Ground	128		P380 - 4	12 ga. Green
5	63	Pump (Drive) input - variable	130		P366 @ 3	16 ga. Black
6	62	Pump (Drive) input - common	130		P366 @ 2	16 ga. Black
7	16	Power +24VDC CB44	130		P366 @ 21	16 ga. Red
8	2	Ground	130	SPLICE	P350 @ 29	16 ga. Green
					P349 @ 7	16 ga. Green
9	210	Perimeter lights - Front (3 on engine)	130		P366 @ 3	14 ga. Black
10	159	Hydraulic Oil Temperature Sender	130		P366 @ 63	16 ga. Black
11	104	Case Drain Filter Indicator - Green	130		P366 @ 68	16 ga. Black
12	215	Low Hydraulic Oil Level/High Temp. Switch	130		P366 @ 26	16 ga. Black
13	208	Ammeter (positive)	130		P366 @ 24	16 ga. Black
14	209	Ammeter (negative)	130		P366 @ 25	16 ga. Black
15	106	Turntable warning	130		P366 @ 59	16 ga. Black
16	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
17	75	Pressure Filter (Implement) Indicator - Red	130		P366 @ 52	16 ga. Black
18	-	-	131			-
19	76	Main Return Filter Indicator - Green	130		P366 @ 53	16 ga. Black
20	-	-	131			-
21	74	Pressure Filter (Implement) Indicator - Green	130		P366 @ 51	16 ga. Black
22	77	Main Return Filter Indicator - Red	130		P366 @ 54	16 ga. Black
23	102	Charge Pump Filter Indicator - Green	130		P366 @ 55	16 ga. Black
24	103	Charge Pump Filter Indicator - Red	130		P366 @ 56	16 ga. Black
25	206	Return Filter (Snow Blower) - Green	130		P366 @ 57	16 ga. Black
26	207	Return Filter (Snow Blower) - Red	130		P366 @ 67	16 ga. Black
27	-	-	131			-
28	105	Case Drain Filter Indicator - Red	130		P366 @ 69	16 ga. Black
29	-	-	131			-

P349 Brake Pedal Harness						
1	49	Brake Pedal Out		SPLICE	P355 @ 8	16 ga. Black
					P210 @ 33	16 ga. Black
2	393	Brake Pedal Return			P350 @ 28	16 ga. Black
3	377	A/C on signal			P366 @ 23	16 ga. Black
4	21	Power +24VDC CB53			P350 @ 45	14 ga. Red
5	2	Ground			P350 @ 46	14 ga. Green
6	23	Power +24VDC CB55			P350 @ 35	16 ga. Red
7	2	Ground		SPLICE	P250 @ 8	14 ga. Green
					P350 @ 29	
8	-	-				-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P350 Dist Panel, Cen Console						
1	386	Start: Implement Pump off to Neutral Start	130		P355 @ 4	16 ga. Black
2	347	E-Stop PB1 to E-Stop PB8	130		P365 @ 2	16 ga. Black
3	39	Starter Solenoid from Neutral Start Relay	130		P72 @ 15	16 ga. Black
4	-	-	130			-
5	-	-	130			-
6	2	Ground	130		P371 @ B	16 ga. Green
7	196	A/C clutch and Relay	130	SPLICE	P366 @ 50 P72 @ 24	16 ga. Black 16 ga.
8	419	Drive/Neutral Switch, Common	130		P365 @ 6	16 ga. Black
9	-	-	130			-
10	-	-	130			-
11	24	Power +24VDC CB56	130		P355 @ 5	14 ga. Red
12	2	Ground	130		P360 @ 1	16 ga. Green
13	50	Electrical Interlock PB to Relay Coil	130		P360 @ 9	16 ga. Black
14	26	Power +24VDC CB62	130	SPLICE	P210 @ 9 P216 @ 12 P217 @ 12 P218 @ 12 P215 @ 12 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red
15	2	Ground	130	SPLICE	P210 @ 10 P210 @ 20 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
16	-	-	130			-
17	2	Ground	130	SPLICE	P210 @ 30 P210 @ 40	16 ga. Green 16 ga. Green
18	-	-	130			-
19	2	Ground	130	SPLICE	P215 @ 10 P216 @ 10	16 ga. Green 16 ga. Green
20	29	Power +24VDC CB65	130		P355 @ 7	16 ga. Red
21	2	Ground	130	SPLICE	P217 @ 10 P218 @ 10	16 ga. Green 16 ga. Green
22	80	Plow Lift	130	SPLICE	P355 @ 10 P210 @ 8	16 ga. Black 16 ga. Black
23	81	Plow Down	130	SPLICE	P355 @ 11 P210 @ 1	16 ga. Black 16 ga. Black
24	84	Plow Float	130		P210 @ 6	16 ga. Black
25	274	Plow Float Light	130		P355 @ 16	16 ga. Black
26	30	Power +24VDC CB66	130		P370 @ 17	16 ga. Red
27	2	Ground (EDC)	130		P363 @ 1	16 ga. Green
28	393	Brake Pedal Return	130		P349 @ 2	16 ga. Black
29	2	Ground	130	SPLICE	P250 @ 8 P349 @ 7	16 ga. Green 14 ga. Green
30	-	-	130			-
31	321	"Drive" Input (from RKS47)	130		P365 @ 8	16 ga. Black
32	-	-	-			-
33	-	-	-			-
34	329	"Neutral" Input (from RKS47)	130		P365 @ 7	16 ga. Black
35	23	Power +24VDC CB55	130		P349 @ 6	16 ga. Red
36	-	-	-			-
37	-	-	-			-
38	348	E-Stop PB8 to Ignition relay coil CR1	130		P360 @ 10	16 ga. Black
39	323	Power +24 Vdc to ECU (CB57)	130		P72 @ 25	16 ga. Red
40	2	Ground	130	SPLICE	P72 @ 31 P164 @ 6	16 ga. Green 16 ga. Green
41	2	Ground	130		P72 @ 32	16 ga. Green
42	2	Ground	130		P72 @ 33	16 ga. Green
43	2	Ground	130		P72 @ 34	16 ga. Green
44	2	Ground	130		P72 @ 35	16 ga. Green
45	21	Power +24VDC CB53	130		P349 @ 4	14 ga. Red
46	2	Ground	130		P349 @ 5	14 ga. Green
47	-	-	-			16 ga. -
48	43	EDC Controller Power (F3) +24V	130		P363 @ 4	16 ga. Red
49	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P363 @ 5 P365 @ 3	16 ga. Black 16 ga. Black
50	324	Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P72 @ 26	16 ga. Red
51	325	Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P72 @ 27	16 ga. Red
52	326	Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P72 @ 28	16 ga. Red
53	327	Fused +24 Vdc Power to ECU (F8, 10A)	130		P72 @ 29	16 ga. Red
54	328	Fused +24 Vdc Power to ECU (F9, 10A)	130		P72 @ 30	16 ga. Red
55	25	Power +24VDC CB61	130		P355 @ 1	16 ga. Red
56	-	-	-			-
57	265	L.H. Outer Door Tilt/Rotate IN	130		P370 @ 5	16 ga. Black
58	263	L.H. Outer Door Tilt/Rotate OUT	130		P370 @ 6	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
59	289	R.H. Outer Door Tilt/Rotate IN	130		P370 @ 11	16 ga. Black
60	291	R.H. Outer Door Tilt/Rotate OUT	130		P370 @ 12	16 ga. Black
61	258	LH Hand Controller trigger to CR53	130	SPLICE	P370 @ 13 P382 @ 26	14 ga. Black 14 ga. Black
62	288	RH Front & Rear Hand Cont. (trigger) to CR55	130	SPLICE	P370 @ 14 P382 @ 25	14 ga. Black 14 ga. Black
63	425	LH Outer Door Tilt IN	130		P210 @ 26	14 ga. Black
64	426	LH Outer Door Tilt OUT	130		P210 @ 24	14 ga. Black
65	259	L.H. Outer Door Rotate CCW	130		P217 @ 6	14 ga. Black
66	261	L.H. Outer Door Rotate CW	130		P217 @ 7	14 ga. Black
67	427	RH Outer Door Tilt IN	130		P210 @ 27	14 ga. Black
68	428	RH Outer Door Tilt OUT	130		P210 @ 25	14 ga. Black
69	293	R.H. Outer Door Rotate CCW	130		P217 @ 2	14 ga. Black
70	294	R.H. Outer Door Rotate CW	130		P217 @ 3	14 ga. Black

P354 Radio						
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P356 - 345	10 ga. Black
-2	2	Ground	NONE		P356 - 2	10 ga. Green

P355 Cen Console front panel						
1	25	Power +24VDC CB61	127		P350 @ 55	16 ga. Red
2	35	Hydraulic Pump	127		P210 @ 34	16 ga. Black
3	41	Engine Start from Ignition Switch	127		P360 @ 3	16 ga. Black
4	386	Start: Implement Pump off to Neutral Start	127		P350 @ 1	16 ga. Black
5	24	Power +24VDC CB56	127		P350 @ 11	14 ga. Red
6	387	Horn Compressor Power	127		P366 @ 64	14 ga. Black
7	29	Power +24VDC CB65	127		P350 @ 20	16 ga. Red
8	49	Brake Pedal Out	127	SPLICE	P349 @ 1 P210 @ 33	16 ga. Black 16 ga.
9	99	Plow Lock-up cylinder	127		P210 @ 7	16 ga. Black
10	80	Plow Lift	127	SPLICE	P210 @ 8 P350 @ 22	16 ga. Black 16 ga. Black
11	81	Plow Down	127	SPLICE	P210 @ 1 P350 @ 23	16 ga. Black 16 ga. Black
12	79	Plow Door - R.H. Extend	127		P210 @ 5	16 ga. Black
13	78	Plow Door - R.H. Retract	127		P210 @ 4	16 ga. Black
14	83	Plow Door - L.H. Extend	127		P210 @ 3	16 ga. Black
15	82	Plow Door - L.H. Retract	127		P210 @ 2	16 ga. Black
16	274	Plow Float Light	127		P350 @ 25	16 ga. Black
17	2	Ground	127	SPLICE	P210 @ 10 P210 @ 20 P350 @ 15 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	-	-	-			-
22	-	-	-			-
23	-	-	-			-
24	-	-	-			-

P356 Converter						
-3	3	Power +24VDC from Engine CB to Ignition Switch	NONE		P376 - 3	12 ga. Red
-2	2	Ground	NONE		P376 - 2	12 ga. Green
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P354 - 345	10 ga. Black
-2	2	Ground	NONE		P354 - 2	10 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P360 Ign Switch						
1	2	Ground	129		P350 @ 12	16 ga. Green
2	5	Power +24VDC from Ignition Switch to E-Stop	129		P365 @ 1	16 ga. Red
3	41	Engine Start from Ignition Switch	129		P355 @ 3	16 ga. Black
4	359	Engine Shutdown Override Return (J.D. 8.1L)	129		P72 @ 17	16 ga. Black
5	360	Engine Shutdown Override (J.D. 8.1L)	129		P72 @ 18	16 ga. Black
6	361	Engine Hi/Low Speed Select (J.D. 8.1L)	129		P72 @ 22	16 ga. Black
7	362	Engine Hi/Low Speed Return (J.D. 8.1L)	129		P72 @ 21	16 ga. Black
8	398	Bump Enable	129		P72 @ 23	16 ga. Black
9	50	Electrical Interlock PB to Relay Coil	129		P350 @ 13	16 ga. Black
10	348	E-Stop PB8 to Ignition relay coil CR1	129		P350 @ 38	16 ga. Black
11	-	-	-			-
12	423	Power +24V Engine Reverse Fan On-Off	129		P72 @ 8	16 ga. Red

P363 EDC Controller						
1	2	Ground	130		P350 @ 27	16 ga. Green
2	62	Pump (Drive) input - common	130		P250 @ 6	16 ga. Black
3	63	Pump (Drive) input - variable	130		P250 @ 5	16 ga. Black
4	43	EDC Controller Power (F3) +24V	130		P350 @ 48	16 ga. Red
5	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
6	182	Reverse Travel Alarm	130		P365 @ 3	16 ga. Black
7	183	Forward Travel Alarm	130		P366 @ 66	16 ga. Black
8	134	Travel alarm trigger signal from neutral start relay	130		P366 @ 65	16 ga. Black
9	308	Motor Track Drive Solenoid	130		P366 @ 61	16 ga. Black
10	-	-	-		P210 @ 35	16 ga. Black
11	-	-	-			-
12	-	-	-			-

P365 Gen Console upper panel						
1	5	Power +24VDC from Ignition Switch to E-Stop	130		P360 @ 2	16 ga. Red
2	347	E-Stop PB1 to E-Stop PB8	130		P350 @ 2	16 ga. Black
3	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
4	-	-	-		P363 @ 5	16 ga. Black
5	-	-	-			-
6	419	Drive/Neutral Switch, Common	130			-
7	329	"Neutral" Input (from RKS47)	130		P350 @ 8	16 ga. Black
8	321	"Drive" Input (from RKS47)	130		P350 @ 34	16 ga. Black
9	411	Trans Sol 6	130		P350 @ 31	16 ga. Black
10	412	Trans Sol 5	130		P216 @ 2	16 ga. Black
11	413	Trans Sol 1	130		P216 @ 3	16 ga. Black
12	414	Trans Sol 3	130		P216 @ 8	16 ga. Black
					P216 @ 1	Black

P366 OH Console						
1	-	-	-			-
2	51	Brake Lights	127		P382 @ 28	16 ga. Black
3	210	Perimeter lights - Front (3 on engine)	127		P250 @ 9	14 ga. Black
4	9	Power +24VDC CB33	127		P350 @ 8	16 ga. Red
5	276	Warmup System to JB	127		P216 @ 7	16 ga. Black
6	218	Front Wipers (upper) - Low speed	127		P94 @ 1	16 ga. Black
7	219	Front Wipers (upper) - Park	127		P94 @ 2	16 ga. Black
8	220	Lower Wiper (left front) - Low speed	127		P92 @ 1	16 ga. Black
9	221	Lower Wiper (left front) - Park	127		P92 @ 2	16 ga. Black
10	222	Lower Wiper (right front) - Low speed	127		P93 @ 1	16 ga. Black
11	223	Lower Wiper (right front) - Park	127		P93 @ 2	16 ga. Black
12	-	-	-			-
13	-	-	-			-
14	-	-	-			-
15	-	-	-			-
16	36	Tachometer	127		P72 @ 16	16 ga. Black
17	40	Fuel Sender	127		P215 @ 1	16 ga. Black
18	162	Transmission Temp.Sender	127		P210 @ 38	16 ga. Black
19	167	Transmission Oil Pressure Sender	127		P210 @ 31	16 ga. Black
20	110	Emergency pump	127		P210 @ 37	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
21	16	Power +24VDC CB44	127		P250 @ 7	16 ga. Red
22	369	AC Fan Power	127		P382 @ 29	14 ga. Black
23	377	A/C on signal	127		P349 @ 3	16 ga. Black
24	208	Ammeter (positive)	127		P250 @ 13	16 ga. Black
25	209	Ammeter (negative)	127		P250 @ 14	16 ga. Black
26	215	Low Hydraulic Oil Level/High Temp. Switch	127		P250 @ 12	16 ga. Black
27	27	Power +24VDC CB63	127		P382 @ 30	14 ga. Red
28	160	Broom Lock-up valve	127		P215 @ 8	16 ga. Black
29	111	Broom Up	127		P215 @ 7	16 ga. Black
30	112	Broom Down	127		P215 @ 6	16 ga. Black
31	113	Broom Tilt - up	127		P215 @ 5	16 ga. Black
32	114	Broom Tilt - down	127		P215 @ 4	16 ga. Black
33	115	Broom Forward Rotate	127		P215 @ 2	16 ga. Black
34	116	Broom Reverse Rotate	127		P215 @ 3	16 ga. Black
35	193	Dust Collector / Auger	127		P210 @ 21	16 ga. Black
36	117	Chute rotate - CW / Tilttable Stone Deflector Up	127		P210 @ 23	16 ga. Black
37	118	Chute rotate - CCW / Tilttable Stone Deflector Down	127		P210 @ 22	16 ga. Black
38	28	Power +24VDC CB64	127		P350 @ 18	14 ga. Red
39	-	-	127			-
40	424	Snow Wing LH Power Lock-up	127		P216 @ 4	16 ga. Black
41	-	-	127			-
42	-	-	127			-
43	296	R.H. Inner Door Tilt - In	127		P217 @ 1	16 ga. Black
44	298	R.H. Inner Door Tilt - Out	127		P217 @ 8	16 ga. Black
45	270	L.H. Inner Door Tilt - In	127		P217 @ 5	16 ga. Black
46	268	L.H. Inner Door Tilt - Out	127		P217 @ 4	16 ga. Black
47	211	Snow Wing RH Power Lock-up	127		P216 @ 5	16 ga. Black
48	404	Brake De-Ice	127		P210 @ 32	16 ga. Black
49	315	"Wait to Start" lamp (ground) - to ECU	127		P72 @ 5	16 ga. Black
50	196	A/C clutch and Relay	127	SPLICE	P72 @ 24 P350 @ 27	16 ga. Black 16 ga. Black
51	74	Pressure Filter (Implement) Indicator - Green	127		P250 @ 21	16 ga. Black
52	75	Pressure Filter (Implement) Indicator - Red	127		P250 @ 17	16 ga. Black
53	76	Main Return Filter Indicator - Green	127		P250 @ 19	16 ga. Black
54	77	Main Return Filter Indicator - Red	127		P250 @ 22	16 ga. Black
55	102	Charge Pump Filter Indicator - Green	127		P250 @ 23	16 ga. Black
56	103	Charge Pump Filter Indicator - Red	127		P250 @ 24	16 ga. Black
57	206	Return Filter (Snow Blower) - Green	127		P250 @ 25	16 ga. Black
58	-	-	-			-
59	106	Turntable warning	127		P250 @ 15	16 ga. Black
60	395	Turntable Up - Ground for Brakes	127		P250 @ 16	16 ga. Black
61	134	Travel alarm trigger signal from neutral start relay	127		P363 @ 8	16 ga. Black
62	14	Power +24VDC CB42	127	SPLICE	P164 @ 1 P371 @ A	16 ga. Red 16 ga. Red
63	159	Hydraulic Oil Temperature Sender	127		P250 @ 10	16 ga. Black
64	387	Horn Compressor Power	127		P355 @ 6	14 ga. Black
65	183	Forward Travel Alarm	127		P363 @ 7	16 ga. Black
66	182	Reverse Travel Alarm	127		P363 @ 6	16 ga. Black
67	207	Return Filter (Snow Blower) - Red	127		P250 @ 26	16 ga. Black
68	104	Case Drain Filter Indicator - Green	127		P250 @ 11	16 ga. Black
69	105	Case Drain Filter Indicator - Red	127		P250 @ 28	16 ga. Black
70	422	Turntable Interlock	127		P216 @ 6	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P370 Seat Harness						
1	273	L.H. Front Temp/Articulated Door - In	130		P382 @ 24	16 ga. Black
2	271	L.H. Front Temp/Articulated Door - Out	130		P382 @ 23	16 ga. Black
3	269	L.H. Rear Temp/Articulated Door - In	130		P382 @ 22	16 ga. Black
4	267	L.H. Rear Temp/Articulated Door - Out	130		P382 @ 21	16 ga. Black
5	265	L.H. Outer Door Tilt/Rotate IN	130		P350 @ 57	16 ga. Black
6	263	L.H. Outer Door Tilt/Rotate OUT	130		P350 @ 58	16 ga. Black
7	295	R.H. Rear Temp/Articulated Door - In	130		P382 @ 20	16 ga. Black
8	297	R.H. Rear Temp/Articulated Door - Out	130		P382 @ 19	16 ga. Black
9	299	R.H. Front Temp/Articulated Door - In	130		P382 @ 18	16 ga. Black
10	301	R.H. Front Temp/Articulated Door - Out	130		P382 @ 17	16 ga. Black
11	289	R.H. Outer Door Tilt/Rotate IN	130		P350 @ 59	16 ga. Black
12	291	R.H. Outer Door Tilt/Rotate OUT	130		P350 @ 60	16 ga. Black
13	258	LH Hand Controller trigger to CR53	130	SPLICE	P350 @ 61 P382 @ 26	16 ga. Black 16 ga. Black
14	288	RH Front & Rear Hand Cont. (trigger) to CR55	130	SPLICE	P350 @ 62 P382 @ 25	16 ga. Black 16 ga. Black
15	26	Power +24VDC CB62	130		P210 @ 9 P215 @ 12 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red
16	2	Ground	130		P210 @ 10 P210 @ 20 P350 @ 15 P355 @ 17	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
17	30	Power +24VDC CB66	130		P350 @ 26	16 ga. Red
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	-	-	-			-
22	-	-	-			-
23	-	-	-			-
24	-	-	-			-
25	-	-	-			-
26	-	-	-			-
27	-	-	-			-
28	-	-	-			-
29	-	-	-			-
30	-	-	-			-
31	-	-	-			-
32	-	-	-			-
33	-	-	-			-
34	-	-	-			-
35	-	-	-			-
36	-	-	-			-
37	-	-	-			-
38	-	-	-			-
39	-	-	-			-
40	-	-	-			-

P371 Speedometer, 2-pin						
A	14	Power +24VDC CB42	153,161	SPLICE	P164 @ 1 P366 @ 62	16 ga. Red 16 ga. Red
B	2	Ground	153,161		P350 @ 6	16 ga. Green
C	101	Speedometer	153,161		P210 @ 36	16 ga. Black

P376 Converter Connection at Rt Side Panel						
-6	6	Power +24VDC from Elect Interlock to CB Panel	NONE		P380 - 6	10 ga. Red
-4	4	Power +24VDC from Power Relay to CB Panel	NONE		P380 - 4	8 ga. Red
-4	4	Power +24VDC from Power Relay to CB Panel	NONE		P381 - 4	8 ga. Red
-2	2	Ground	NONE		P380 - 2	8 ga. Green
-2	2	Ground	NONE		P381 - 2	8 ga. Green
-3	3	Power +24VDC from Engine CB to Ignition Switch	NONE		P356 - 3	12 ga. Red
-2	2	Ground	NONE		P356 - 2	12 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P380 CC Left Panel Loose Connections

-19	19	- Power +24VDC CB51	NONE		P250 @ 1	12 ga. Red
-2	2	- Ground	NONE		P250 @ 2	12 ga. Green
-20	20	- Power +24VDC CB52	NONE		P250 @ 3	12 ga. Red
-2	2	- Ground	NONE		P250 @ 4	12 ga. Green
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P376 - 4	8 ga. Red
-2	2	- Ground	NONE		P376 - 2	8 ga. Green
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P376 - 6	10 ga. Red

P381 OH Console Loose Connections

-2	19	- Power +24VDC CB51	NONE		P376 - 2	8 ga. Red
-4	2	- Ground	NONE		P376 - 4	8 ga. Green

P382 Dist Panel, Cen Console

1	429	LH Front Template Door IN	130		P210 @ 16	16 ga. Black
2	430	LH Front Template Door OUT	130		P210 @ 14	16 ga. Black
3	431	LH Rear Template Door IN	130		P210 @ 12	16 ga. Black
4	432	LH Rear Template Door OUT	130		P210 @ 18	16 ga. Black
5	433	RH Rear Template Door IN	130		P210 @ 13	16 ga. Black
6	434	RH Rear Template Door OUT	130		P210 @ 11	16 ga. Black
7	435	RH Front Template Door IN	130		P210 @ 17	16 ga. Black
8	436	RH Front Template Door OUT	130		P210 @ 15	16 ga. Black
9	264	Left Front Articulated Door - Up	130		P218 @ 7	16 ga. Black
10	266	Left Front Articulated Door - Down	130		P218 @ 6	16 ga. Black
11	262	Left Rear Articulated Door - Up	130		P218 @ 5	16 ga. Black
12	260	Left Rear Articulated Door - Down	130		P218 @ 4	16 ga. Black
13	300	Right Rear Articulated Door - Up	130		P218 @ 1	16 ga. Black
14	302	Right Rear Articulated Door - Down	130		P218 @ 8	16 ga. Black
15	292	Right Front Articulated Door - Up	130		P218 @ 3	16 ga. Black
16	290	Right Front Articulated Door - Down	130		P218 @ 2	16 ga. Black
17	301	R.H. Front Temp/Articulated Door - Out	130		P370 @ 10	16 ga. Black
18	299	R.H. Front Temp/Articulated Door - In	130		P370 @ 9	16 ga. Black
19	297	R.H. Rear Temp/Articulated Door - Out	130		P370 @ 8	16 ga. Black
20	295	R.H. Rear Temp/Articulated Door - In	130		P370 @ 7	16 ga. Black
21	267	L.H. Rear Temp/Articulated Door - Out	130		P370 @ 4	16 ga. Black
22	269	L.H. Rear Temp/Articulated Door - In	130		P370 @ 3	16 ga. Black
23	271	L.H. Front Temp/Articulated Door - Out	130		P370 @ 2	16 ga. Black
24	273	L.H. Front Temp/Articulated Door - In	130		P370 @ 1	16 ga. Black
25	288	RH Front & Rear Hand Cont. (trigger) to CR55	130	SPLICE	P370 @ 14 P350 @ 62	16 ga. Black 16 ga. Black
26	258	LH Hand Controller trigger to CR53	130	SPLICE	P370 @ 13 P350 @ 61	16 ga. Black 16 ga. Black
27	-	-	-			-
28	51	Brake Lights	130		P366 @ 2	16 ga. Black
29	369	AC Fan Power	130		P366 @ 22	16 ga. Black
30	27	Power +24VDC CB63	130		P366 @ 27	16 ga. Red
31	28	Power +24VDC CB64	130		P366 @ 38	16 ga. Red
32	-	-	-			-
33	-	-	-			-
34	-	-	-			-
35	-	-	-			-
36	-	-	-			-
37	-	-	-			-
38	-	-	-			-
39	-	-	-			-
40	-	-	-			-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P68 Throttle Control						
A	313	- Throttle - return	151 / 153		P72 @ 7	16 ga. Green
B	312	- Throttle - position input signal	151 / 153		P72 @ 9	16 ga. Black
C	311	- Throttle - +5 Vdc	151 / 153		P72 @ 8	16 ga. Red

P72 Engine Harness at Cab Wall						
1	-	-	132			-
2	-	-	132			-
3	-	-	132			-
4	-	-	132			-
5	315	- "Wait to Start" lamp (ground) - to ECU	130		P366 @ 49	16 ga. Black
6	-	-	132			-
7	313	- Throttle - return	130		P68 @ A	16 ga. Green
8	311	- Throttle - +5 Vdc	130		P68 @ C	16 ga. Red
9	312	- Throttle - position input signal	130		P68 @ B	16 ga. Black
10	-	-	132			-
11	-	-	132			-
12	-	-	132			-
13	-	-	132			-
14	-	-	132			-
15	39	- Starter Solenoid from Neutral Start Relay	130		P350 @ 3	16 ga. Black
16	36	- Tachometer	130		P366 @ 16	16 ga. Black
17	359	- Engine Shutdown Override Return (J.D. 8.1L)	130		P360 @ 4	16 ga. Black
18	360	- Engine Shutdown Override (J.D. 8.1L)	130		P360 @ 5	16 ga. Black
19	-	-	132			-
20	-	-	132			-
21	397	- Bump Down	130		P360 @ 7	16 ga. Black
22	396	- Bump up	130		P360 @ 6	16 ga. Black
23	398	- Bump Enable	130		P360 @ 8	16 ga. Black
24	196	- A/C clutch	130		P366 @ 50	16 ga. Black
25	323	- Fused +24 Vdc Power to ECU (F4, 5A)	130		P350 @ 39	16 ga. Red
26	324	- Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P350 @ 50	16 ga. Red
27	325	- Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P350 @ 51	16 ga. Red
28	326	- Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P350 @ 52	16 ga. Red
29	327	- Fused +24 Vdc Power to ECU (F8, 10A)	130		P350 @ 53	16 ga. Red
30	328	- Fused +24 Vdc Power to ECU (F9, 10A)	130		P350 @ 54	16 ga. Red
31	2	- Ground	130	SPLICE	P350 @ 40	16 ga. Green
32	2	- Ground	130		P164 @ 6	16 ga. Green
33	2	- Ground	130		P350 @ 41	16 ga. Green
34	2	- Ground	130		P350 @ 42	16 ga. Green
35	2	- Ground	130		P350 @ 43	16 ga. Green
36	-	-	132		P350 @ 44	16 ga. Green
37	-	-	132			-
38	330	- CAN H {J1939(+)}	130		P164 @ 2	18 ga. Yellow
39	331	- CAN L {J1939(-)}	130	SHIELDED CABLE, ITEM 184	P164 @ 3	18 ga. Green
40	332	- CAN SHLD {J1939(shield)}	130		P164 @ 4	18 ga. Gray

P92 L.H. Lower Winshield Wiper						
1	220	- Lower Wiper (left front) - Low speed	172		P366 @ 8	16 ga. Black
2	221	- Lower Wiper (left front) - Park	172		P366 @ 9	16 ga. Black

P93 R.H. Lower Winshield Wiper						
1	222	- Lower Wiper (right front) - Low speed	172		P366 @ 10	16 ga. Black
2	223	- Lower Wiper (right front) - Park	172		P366 @ 11	16 ga. Black

P94 Center Front Winshield Wiper						
1	218	- Front Wipers (upper) - Low speed	172		P366 @ 6	16 ga. Black
2	219	- Front Wipers (upper) - Park	172		P366 @ 7	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P164 Engine Diagnostic - Murphylink						
1	14	- Power +24VDC CB42	129	SPLICE	P366 @ 62 P371 @ A	16 ga. Red 16 ga. Red
2	330	- CAN H {J1939(+)}	129	SHIELDED CABLE, ITEM 184	P72 @ 38	18 ga. Yellow
3	331	- CAN L {J1939(-)}	129		P72 @ 39	18 ga. Green
4	332	- CAN_SHLD {J1939(shield)}	129		P72 @ 40	18 ga. Gray
5	-	-	-	-	-	-
6	2	- Ground	129	SPLICE	P72 @ 31 P350 @ 40	16 ga. Green 16 ga.

P210 Junction Box 1 - 4, Cab Wall						
1	81	- Plow Down	130	SPLICE	P355 @ 11 P350 @ 23	16 ga. Black 16 ga. Black
2	82	- Plow Door - L.H. Retract	130		P355 @ 15	16 ga. Black
3	83	- Plow Door - L.H. Extend	130		P355 @ 14	16 ga. Black
4	78	- Plow Door - R.H. Retract	130		P355 @ 4	16 ga. Black
5	79	- Plow Door - R.H. Extend	130		P355 @ 12	16 ga. Black
6	84	- Plow Float	130		P355 @ 24	16 ga. Black
7	99	- Plow Lock-up cylinder	130		P355 @ 9	16 ga. Black
8	80	Plow Lift	130	SPLICE	P355 @ 10 P350 @ 22	16 ga. Black 16 ga. Black
9	26	Power +24VDC CB62	130	SPLICE	P215 @ 12 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red
10	2	Ground	130	SPLICE	P210 @ 20 P350 @ 15 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
11	297	R.H. Rear Temp Door - Out	130		P370 @ 8	16 ga. Black
12	269	L.H. Rear Temp Door - In	130		P370 @ 3	16 ga. Black
13	295	R.H. Rear Temp Door - In	130		P370 @ 7	16 ga. Black
14	271	L.H. Front Temp Door - Out	130		P370 @ 2	16 ga. Black
15	301	R.H. Front Temp Door - Out	130		P370 @ 10	16 ga. Black
16	273	L.H. Front Temp Door - In	130		P370 @ 1	16 ga. Black
17	299	R.H. Front Temp Door - In	130		P370 @ 9	16 ga. Black
18	267	L.H. Rear Temp Door - Out	130		P370 @ 4	16 ga. Black
19	-	-	132			16 ga. -
20	2	Ground	130	SPLICE	P210 @ 10 P350 @ 15 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
21	193	Dust Collector / Auger	130		P366 @ 35	16 ga. Black
22	118	Chute rotate - CCW / Tilttable Stone Deflector Down	130		P366 @ 37	16 ga. Black
23	117	Chute rotate - CW / Tilttable Stone Deflector Up	130		P366 @ 36	16 ga. Black
24	263	L.H. Outer Door Tilt - Out	130		P370 @ 6	16 ga. Black
25	291	R.H. Outer Door Tilt - Out	130		P370 @ 12	16 ga. Black
26	265	L.H. Outer Door Tilt - In	130		P370 @ 5	16 ga. Black
27	289	R.H. Outer Door Tilt - In	130		P370 @ 11	16 ga. Black
28	211	Snow Wing Power Lock-up	130		P366 @ 47	16 ga. Black
29	-	-	132			16 ga. -
30	2	Ground	130	SPLICE	P210 @ 40 P350 @ 17	16 ga. Green 16 ga. Green
31	167	Transmission Oil Pressure Sender	130		P366 @ 19	16 ga. Black
32	-	-	132			16 ga. -
33	67	Brakes On	130		P366 @ 58	16 ga. Black
34	35	Hydraulic Pump	130		P355 @ 2	16 ga. Black
35	-	-	132			16 ga. -
36	101	Speedometer	130		P371 @ C	16 ga. Black
37	110	Emergency pump	130		P366 @ 20	16 ga. Black
38	162	Transmission Temp.Sender	130		P366 @ 18	16 ga. Black
39	-	-	132			16 ga. -
40	2	Ground	130	SPLICE	P210 @ 30 P350 @ 17	16 ga. Green 16 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
P215 Junction Box 5 - Cab Wall						
1	40	Fuel Sender	ORN		P366 @ 17	16 ga. Black
2	115	Broom Forward Rotate	BLU		P366 @ 33	16 ga. Black
3	116	Broom Reverse Rotate	WHT/BLK		P366 @ 34	16 ga. Black
4	114	Broom Tilt - down	RED/BLK		P366 @ 32	16 ga. Black
5	113	Broom Tilt - up	GRN/BLK		P366 @ 31	16 ga. Black
6	112	Broom Down	ORG/BLK		P366 @ 30	16 ga. Black
7	111	Broom Up	BLU/BLK		P366 @ 29	16 ga. Black
8	160	Broom Lock-up valve	BLK/WHT		P366 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P216 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P216 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P216 Junction Box 6 - Cab Wall						
1	414	Trans Sol 3 & 7	ORN		P365 @ 12	16 ga. Black
2	411	Trans Sol 6	BLU		P365 @ 9	16 ga. Black
3	412	Trans Sol 5	WHT/BLK		P365 @ 10	16 ga. Black
4	203	L.H. Stone Deflector - Down	RED/BLK		P366 @ 40	Black
5	205	R.H. Stone Deflector - Down	GRN/BLK		P366 @ 42	Black
6	202	L.H. Stone Deflector - Up	ORG/BLK		P366 @ 39	Black
7	204	R.H. Stone Deflector - Up	BLU/BLK		P367 @ 41	Black
8	413	Trans Sol 1	BLK/WHT		P365 @ 11	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P215 @ 10 P350 @ 19	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P217 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P217 Junction Box 7 - Cab Wall						
1	296	R.H. Inner Door Tilt - In	ORN		P366 @ 43	16 ga. Black
2	293	R.H. Outer Door Rotate CCW	BLU		P370 @ 31	16 ga. Black
3	294	R.H. Outer Door Rotate CW	WHT/BLK		P370 @ 32	16 ga. Black
4	268	L.H. Inner Door Tilt - Out	RED/BLK		P366 @ 46	16 ga. Black
5	270	L.H. Inner Door Tilt - In	GRN/BLK		P366 @ 45	16 ga. Black
6	259	L.H. Outer Door Rotate CCW	ORG/BLK		P370 @ 25	16 ga. Black
7	261	L.H. Outer Door Rotate CW	BLU/BLK		P370 @ 26	16 ga. Black
8	298	R.H. Inner Door Tilt - Out	BLK/WHT		P366 @ 44	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P218 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P218 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
P218 Junction Box 8 - Cab Wall						
1	300	Right Rear Articulated Door - Up	ORN		P370 @ 27	16 ga. Black
2	290	Right Front Articulated Door - Down	BLU		P370 @ 30	16 ga. Black
3	292	Right Front Articulated Door - Up	WHT/BLK		P370 @ 29	16 ga. Black
4	260	Left Rear Articulated Door - Down	RED/BLK		P370 @ 24	16 ga. Black
5	262	Left Rear Articulated Door - Up	GRN/BLK		P370 @ 23	16 ga. Black
6	266	Left Front Articulated Door - Down	ORG/BLK		P370 @ 22	16 ga. Black
7	264	Left Front Articulated Door - Up	BLU/BLK		P370 @ 21	16 ga. Black
8	302	Right Rear Articulated Door - Down	BLK/WHT		P370 @ 28	16 ga. Black
9	-	-	GRN			-
10	2	Ground	RED	SPLICE	P217 @ 10 P350 @ 21	16 ga. Green 16 ga. Green
11	-	-	WHT			-
12	26	Power +24VDC CB62	BLK	SPLICE	P210 @ 9 P215 @ 12 P216 @ 12 P217 @ 12 P350 @ 14 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red

P250 Frame Harness at Cab Wall						
1	19	Power +24VDC CB51	128		P380 - 1	12 ga. Red
2	2	Ground	128		P380 - 2	12 ga. Green
3	20	Power +24VDC CB52	128		P380 - 3	12 ga. Red
4	2	Ground	128		P380 - 4	12 ga. Green
5	63	Pump (Drive) input - variable	130		P366 @ 3	16 ga. Black
6	62	Pump (Drive) input - common	130		P366 @ 2	16 ga. Black
7	16	Power +24VDC CB44	130		P366 @ 21	16 ga. Red
8	2	Ground	130	SPLICE	P350 @ 29 P349 @ 7	16 ga. Green 16 ga. Green
9	210	Perimeter lights - Front (3 on engine)	130		P366 @ 3	14 ga. Black
10	159	Hydraulic Oil Temperature Sender	130		P366 @ 63	16 ga. Black
11	104	Case Drain Filter Indicator - Green	130		P366 @ 68	16 ga. Black
12	215	Low Hydraulic Oil Level/High Temp. Switch	130		P366 @ 26	16 ga. Black
13	208	Ammeter (positive)	130		P366 @ 24	16 ga. Black
14	209	Ammeter (negative)	130		P366 @ 25	16 ga. Black
15	106	Turntable warning	130		P366 @ 59	16 ga. Black
16	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
17	75	Pressure Filter (Implement) Indicator - Red	130		P366 @ 52	16 ga. Black
18	-	-	131			-
19	76	Main Return Filter Indicator - Green	130		P366 @ 53	16 ga. Black
20	-	-	131			-
21	74	Pressure Filter (Implement) Indicator - Green	130		P366 @ 51	16 ga. Black
22	77	Main Return Filter Indicator - Red	130		P366 @ 54	16 ga. Black
23	102	Charge Pump Filter Indicator - Green	130		P366 @ 55	16 ga. Black
24	103	Charge Pump Filter Indicator - Red	130		P366 @ 56	16 ga. Black
25	206	Return Filter (Snow Blower) - Green	130		P366 @ 57	16 ga. Black
26	207	Return Filter (Snow Blower) - Red	130		P366 @ 67	16 ga. Black
27	-	-	131			-
28	105	Case Drain Filter Indicator - Red	130		P366 @ 69	16 ga. Black
29	-	-	131			-

P349 Brake Pedal Harness						
1	49	Brake Pedal Out			P355 @ 8	16 ga. Black
2	393	Brake Pedal Return			P350 @ 28	16 ga. Black
3	377	A/C on signal		SPLICE	P350 @ 7 P366 @ 23	16 ga. Black 16 ga. Black
4	21	Power +24VDC CB53			P350 @ 45	14 ga. Red
5	2	Ground			P350 @ 46	14 ga. Green
6	23	Power +24VDC CB55		SPLICE	P350 @ 35 P363 @ 9	16 ga. Red 16 ga. Red
7	2	Ground		SPLICE	P250 @ 8 P350 @ 29	14 ga. Green
8	-	-				-

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
P350 Dist Panel, Cen Console						
1	386	Start: Implement Pump off to Neutral Start	130		P355 @ 4	16 ga. Black
2	347	E-Stop PB1 to E-Stop PB8	130		P365 @ 2	16 ga. Black
3	39	Starter Solenoid from Neutral Start Relay	130		P72 @ 15	16 ga. Black
4	394	Brake Release (See also 67)	130		P366 @ 1	16 ga. Black
5	51	Brake Lights	130		P366 @ 2	16 ga. Black
6	2	Ground	130		P371 @ B	16 ga. Green
7	377	A/C on signal	130	SPLICE	P366 @ 23 P349 @ 3	16 ga. Black 16 ga.
8	9	Power +24VDC CB33	130		P366 @ 4	16 ga. Red
9	369	AC Fan Power	130		P366 @ 22	14 ga. Black
10	415	Drive/Neutral Switch, Common	130		P365 @ 3	16 ga. Black
11	24	Power +24VDC CB56	130		P355 @ 5	14 ga. Red
12	2	Ground	130		P360 @ 1	16 ga. Green
13	50	Electrical Interlock PB to Relay Coil	130		P360 @ 4 P210 @ 9	16 ga. Black 16 ga. Red
14	26	Power +24VDC CB62	130	SPLICE	P216 @ 12 P217 @ 12 P218 @ 12 P215 @ 12 P370 @ 15	16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red 16 ga. Red
15	2	Ground	130	SPLICE	P210 @ 10 P210 @ 20 P355 @ 17 P370 @ 16	16 ga. Green 16 ga. Green 16 ga. Green 16 ga. Green
16	27	Power +24VDC CB63	130		P366 @ 27	14 ga. Red
17	2	Ground	130	SPLICE	P210 @ 30 P210 @ 40	16 ga. Green 16 ga. Green
18	28	Power +24VDC CB64	130		P366 @ 38	16 ga. Red
19	2	Ground	130	SPLICE	P215 @ 10 P216 @ 10	16 ga. Green 16 ga. Green
20	29	Power +24VDC CB65	130		P355 @ 7	16 ga. Red
21	2	Ground	130	SPLICE	P217 @ 10 P218 @ 10	16 ga. Green 16 ga. Green
22	80	Plow Lift	130	SPLICE	P355 @ 10 P210 @ 8	16 ga. Black 16 ga. Black
23	81	Plow Down	130	SPLICE	P355 @ 11 P210 @ 1	16 ga. Black 16 ga. Black
24	84	Plow Float	130		P210 @ 6	16 ga. Black
25	274	Plow Float Light	130		P355 @ 16	16 ga. Black
26	30	Power +24VDC CB66	130		P370 @ 17	16 ga. Red
27	2	Ground (EDC)	130		P365 @ 1	16 ga. Green
28	393	Brake Pedal Return	130		P349 @ 2	16 ga. Black
29	2	Ground	130	SPLICE	P250 @ 8 P349 @ 7	16 ga. Green 16 ga. Green
30	395	Turntable Up - Ground for Brakes	130		P366 @ 60	16 ga. Black
31	321	"Drive" Input (from RKS47)	130		P365 @ 8	16 ga. Black
32	-	-	-			-
33	-	-	-			-
34	329	"Neutral" Input (from RKS47)	130		P365 @ 7	16 ga. Black
35	23	Power +24VDC CB55	130	SPLICE	P363 @ 9 P349 @ 6	16 ga. Red 16 ga. Red
36	415	Drive/Neutral Switch, Common	130		P365 @ 6	16 ga. Black
37	-	-	-			-
38	348	E-Stop PB8 to Ignition relay coil CR1	130		P360 @ 10	16 ga. Black
39	323	Fused +24 Vdc Power to ECU (F4, 5A)	130		P72 @ 25	16 ga. Red
40	2	Ground	130	SPLICE	P72 @ 31 P164 @ 6	16 ga. Green 16 ga. Green
41	2	Ground	130		P72 @ 32	16 ga. Green
42	2	Ground	130		P72 @ 33	16 ga. Green
43	2	Ground	130		P72 @ 34	16 ga. Green
44	2	Ground	130		P72 @ 35	16 ga. Green
45	21	Power +24VDC CB53	130		P349 @ 4	14 ga. Red
46	2	Ground	130		P349 @ 5	14 ga. Green
47	-	-	-			16 ga. -
48	43	EDC Controller Power (F3) +24V	130		P363 @ 4	16 ga. Red
49	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P363 @ 5 P365 @ 3	16 ga. Black 16 ga. Black
50	324	Fused +24 Vdc Power to ECU (F5, 7.5A)	130		P72 @ 26	16 ga. Red

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
51	325	Fused +24 Vdc Power to ECU (F6, 7.5A)	130		P72 @ 27	16 ga. Red
52	326	Fused +24 Vdc Power to ECU (F7, 7.5A)	130		P72 @ 28	16 ga. Red
53	327	Fused +24 Vdc Power to ECU (F8, 10A)	130		P72 @ 29	16 ga. Red
54	328	Fused +24 Vdc Power to ECU (F9, 10A)	130		P72 @ 30	16 ga. Red
55	25	Power +24VDC CB61	130		P355 @ 1	16 ga. Red
56	-	-	-			-
57	-	-	-			-
58	-	-	-			-
59	-	-	-			-
60	-	-	-			-
61	-	-	-			-
62	-	-	-			-
63	-	-	-			-
64	-	-	-			-
65	-	-	-			-
66	-	-	-			-
67	-	-	-			-
68	-	-	-			-
69	-	-	-			-
70	-	-	-			-

P354 Radio						
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P356 - 345	10 ga. Black
-2	2	Ground	NONE		P356 - 2	10 ga. Green

P355 Cen Console front panel						
1	25	Power +24VDC CB61	127		P350 @ 55	16 ga. Red
2	35	Hydraulic Pump	127		P210 @ 34	16 ga. Black
3	41	Engine Start from Ignition Switch	127		P360 @ 3	16 ga. Black
4	386	Start: Implement Pump off to Neutral Start	127		P350 @ 1	16 ga. Black
5	24	Power +24VDC CB56	127		P350 @ 11	14 ga. Red
6	387	Horn Compressor Power	127		P366 @ 64	14 ga. Black
7	29	Power +24VDC CB65	127		P350 @ 20	16 ga. Red
8	49	Brake Pedal Out	127		P349 @ 1	16 ga. Black
9	99	Plow Lock-up cylinder	127		P210 @ 7	16 ga. Black
10	80	Plow Lift	127	SPLICE	P210 @ 8	16 ga. Black
					P350 @ 22	16 ga. Black
11	81	Plow Down	127	SPLICE	P210 @ 1	16 ga. Black
					P350 @ 23	16 ga. Black
12	79	Plow Door - R.H. Extend	127		P210 @ 5	16 ga. Black
13	78	Plow Door - R.H. Retract	127		P210 @ 4	16 ga. Black
14	83	Plow Door - L.H. Extend	127		P210 @ 3	16 ga. Black
15	82	Plow Door - L.H. Retract	127		P210 @ 2	16 ga. Black
16	274	Plow Float Light	127		P350 @ 25	16 ga. Black
					P210 @ 10	16 ga. Green
17	2	Ground	127	SPLICE	P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
					P370 @ 16	16 ga. Green
18	-	-	-			-
19	-	-	-			-
20	-	-	-			-
21	-	-	-			-
22	-	-	-			-
23	-	-	-			-
24	-	-	-			-

P356 Converter						
-3	3	Power +24VDC from Engine CB to Ignition Switch	NONE		P376 - 3	12 ga. Red
-2	2	Ground	NONE		P376 - 2	12 ga. Green
-345	345	12Vdc output from Converter - for radio circuit.	NONE		P354 - 345	10 ga. Black
-2	2	Ground	NONE		P354 - 2	10 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P360 Ign Switch						
1	2	Ground	129		P350 @ 12	16 ga. Green
2	5	Power +24VDC from Ignition Switch to E-Stop	129		P365 @ 1	16 ga. Red
3	41	Engine Start from Ignition Switch	129		P355 @ 3	16 ga. Black
4	359	Engine Shutdown Override Return (J.D. 8.1L)	129		P72 @ 17	16 ga. Black
5	360	Engine Shutdown Override (J.D. 8.1L)	129		P72 @ 18	16 ga. Black
6	396	Bump up	129		P72 @ 22	16 ga. Black
7	397	Bump Down	129		P72 @ 21	16 ga. Black
8	398	Bump Enable	129		P72 @ 23	16 ga. Black
9	50	Electrical Interlock PB to Relay Coil	129		P350 @ 13	16 ga. Black
10	348	E-Stop PB8 to Ignition relay coil CR1	129		P350 @ 38	16 ga. Black
11	-	-	-			-
12	-	-	-			-

P363 EDC Controller						
1	2	Ground	130		P350 @ 27	16 ga. Green
2	62	Pump (Drive) input - common	130		P250 @ 6	16 ga. Black
3	63	Pump (Drive) input - variable	130		P250 @ 5	16 ga. Black
4	43	EDC Controller Power (F3) +24V	130		P350 @ 48	16 ga. Red
5	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P365 @ 3	16 ga. Black
6	182	Reverse Travel Alarm	130		P366 @ 66	16 ga. Black
7	183	Forward Travel Alarm	130		P366 @ 65	16 ga. Black
8	134	Travel alarm trigger signal from neutral start relay	130		P366 @ 61	16 ga. Black

P365 Cen Console upper panel						
1	5	Power +24VDC from Ignition Switch to E-Stop	130		P360 @ 2	16 ga. Red
2	347	E-Stop PB1 to E-Stop PB8	130		P350 @ 2	16 ga. Black
3	42	EDC Controller to Neutral Start Relay coil	130	SPLICE	P350 @ 49	16 ga. Black
					P363 @ 5	16 ga. Black
4	-	-	-			-
5	-	-	-			-
6	415	Drive/Neutral Switch, Common	130		P350 @ 36	16 ga. Black
7	329	"Neutral" Input (from RKS47)	130		P350 @ 34	16 ga. Black
8	321	"Drive" Input (from RKS47)	130		P350 @ 31	16 ga. Black
9	411	Trans Sol 6	130		P216 @ 2	16 ga. Black
10	412	Trans Sol 5	130		P217 @ 3	16 ga. Black
11	413	Trans Sol 1	130		P218 @ 8	16 ga. Black
12	414	Trans Sol 3 & 7	130		P219 @ 1	Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
P366 OH Console						
1	394	Brake Release (See also 67)	127		P350 @ 4	16 ga. Black
2	51	Brake Lights	127		P350 @ 5	16 ga. Black
3	210	Perimeter lights - Front (3 on engine)	127		P250 @ 9	14 ga. Black
4	9	Power +24VDC CB33	127		P350 @ 8	16 ga. Red
5	-	-	-			-
6	218	Front Wipers (upper) - Low speed	127		P94 @ 1	16 ga. Black
7	219	Front Wipers (upper) - Park	127		P94 @ 2	16 ga. Black
8	220	Lower Wiper (left front) - Low speed	127		P92 @ 1	16 ga. Black
9	221	Lower Wiper (left front) - Park	127		P92 @ 2	16 ga. Black
10	222	Lower Wiper (right front) - Low speed	127		P93 @ 1	16 ga. Black
11	223	Lower Wiper (right front) - Park	127		P93 @ 2	16 ga. Black
12	-	-	-			-
13	-	-	-			-
14	-	-	-			-
15	-	-	-			-
16	36	Tachometer	127		P72 @ 16	16 ga. Black
17	40	Fuel Sender	127		P215 @ 1	16 ga. Black
18	162	Transmission Temp.Sender	127		P210 @ 38	16 ga. Black
19	167	Transmission Oil Pressure Sender	127		P210 @ 31	16 ga. Black
20	110	Emergency pump	127		P210 @ 37	16 ga. Black
21	16	Power +24VDC CB44	127		P250 @ 7	16 ga. Red
22	369	AC Fan Power	127		P350 @ 9	14 ga. Black
23	377	A/C on signal	127	SPLICE	P350 @ 7	16 ga. Black
24	208	Ammeter (positive)	127		P349 @ 3	16 ga. Black
25	209	Ammeter (negative)	127		P250 @ 13	16 ga. Black
26	215	Low Hydraulic Oil Level/High Temp. Switch	127		P250 @ 12	16 ga. Black
27	27	Power +24VDC CB63	127		P215 @ 16	14 ga. Red
28	160	Broom Lock-up valve	127		P215 @ 8	16 ga. Black
29	111	Broom Up	127		P215 @ 7	16 ga. Black
30	112	Broom Down	127		P215 @ 6	16 ga. Black
31	113	Broom Tilt - up	127		P215 @ 5	16 ga. Black
32	114	Broom Tilt - down	127		P215 @ 4	16 ga. Black
33	115	Broom Forward Rotate	127		P215 @ 2	16 ga. Black
34	116	Broom Reverse Rotate	127		P215 @ 3	16 ga. Black
35	193	Dust Collector / Auger	127		P210 @ 21	16 ga. Black
36	117	Chute rotate - CW / Tilttable Stone Deflector Up	127		P210 @ 23	16 ga. Black
37	118	Chute rotate - CCW / Tilttable Stone Deflector Down	127		P210 @ 22	16 ga. Black
38	28	Power +24VDC CB64	127		P350 @ 18	14 ga. Red
39	202	L.H. Stone Deflector - Up	127		P216 @ 2	16 ga. Black
40	203	L.H. Stone Deflector - Down	127		P216 @ 8	16 ga. Black
41	204	R.H. Stone Deflector - Up	127		P216 @ 3	16 ga. Black
42	205	R.H. Stone Deflector - Down	127		P216 @ 1	16 ga. Black
43	296	R.H. Inner Door Tilt - In	127		P217 @ 1	16 ga. Black
44	298	R.H. Inner Door Tilt - Out	127		P217 @ 8	16 ga. Black
45	270	L.H. Inner Door Tilt - In	127		P217 @ 5	16 ga. Black
46	268	L.H. Inner Door Tilt - Out	127		P217 @ 4	16 ga. Black
47	211	Snow Wing Power Lock-up	127		P210 @ 28	16 ga. Black
48	-	-	-			-
49	315	"Wait to Start" lamp (ground) - to ECU	127		P72 @ 5	16 ga. Black
50	196	A/C clutch	127		P72 @ 24	16 ga. Black
51	74	Pressure Filter (Implement) Indicator - Green	127		P250 @ 21	16 ga. Black
52	75	Pressure Filter (Implement) Indicator - Red	127		P250 @ 17	16 ga. Black
53	76	Main Return Filter Indicator - Green	127		P250 @ 19	16 ga. Black
54	77	Main Return Filter Indicator - Red	127		P250 @ 22	16 ga. Black
55	102	Charge Pump Filter Indicator - Green	127		P250 @ 23	16 ga. Black
56	103	Charge Pump Filter Indicator - Red	127		P250 @ 24	16 ga. Black
57	206	Return Filter (Snow Blower) - Green	127		P250 @ 25	16 ga. Black
58	67	Brakes On	127		P210 @ 33	16 ga. Black
59	106	Turntable warning	127		P250 @ 15	16 ga. Black
60	395	Turntable Up - Ground for Brakes	127	SPLICE	P250 @ 16	16 ga. Black
61	134	Travel alarm trigger signal from neutral start relay	127		P350 @ 30	16 ga.
62	14	Power +24VDC CB42	127	SPLICE	P363 @ 8	16 ga. Black
63	159	Hydraulic Oil Temperature Sender	127		P164 @ 1	16 ga. Red
64	387	Horn Compressor Power	127		P371 @ A	16 ga. Red
65	183	Forward Travel Alarm	127		P250 @ 10	16 ga. Black
					P355 @ 6	14 ga. Black
					P363 @ 7	16 ga. Black

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
66	182	Reverse Travel Alarm	127		P363 @ 6	16 ga. Black
67	207	Return Filter (Snow Blower) - Red	127		P250 @ 26	16 ga. Black
68	104	Case Drain Filter Indicator - Green	127		P250 @ 11	16 ga. Black
69	105	Case Drain Filter Indicator - Red	127		P250 @ 28	16 ga. Black
70	-	-	-			-

P370 Seat Harness						
1	273	L.H. Front Temp Door - In	130		P210 @ 16	16 ga. Black
2	271	L.H. Front Temp Door - Out	130		P210 @ 14	16 ga. Black
3	269	L.H. Rear Temp Door - In	130		P210 @ 12	16 ga. Black
4	267	L.H. Rear Temp Door - Out	130		P210 @ 18	16 ga. Black
5	265	L.H. Outer Door Tilt - In	130		P210 @ 26	16 ga. Black
6	263	L.H. Outer Door Tilt - Out	130		P210 @ 24	16 ga. Black
7	295	R.H. Rear Temp Door - In	130		P210 @ 13	16 ga. Black
8	297	R.H. Rear Temp Door - Out	130		P210 @ 11	16 ga. Black
9	299	R.H. Front Temp Door - In	130		P210 @ 17	16 ga. Black
10	301	R.H. Front Temp Door - Out	130		P210 @ 15	16 ga. Black
11	289	R.H. Outer Door Tilt - In	130		P210 @ 27	16 ga. Black
12	291	R.H. Outer Door Tilt - Out	130		P210 @ 25	16 ga. Black
13	-	-	-			-
14	-	-	-			-
15	26	Power +24VDC CB62	130		P210 @ 9	16 ga. Red
					P215 @ 12	16 ga. Red
					P216 @ 12	16 ga. Red
					P217 @ 12	16 ga. Red
					P218 @ 12	16 ga. Red
16	2	Ground	130		P350 @ 14	16 ga. Red
					P210 @ 10	16 ga. Green
					P210 @ 20	16 ga. Green
					P350 @ 15	16 ga. Green
17	30	Power +24VDC CB66	130		P355 @ 17	16 ga. Green
18	-	-	-		P350 @ 26	16 ga. Red
19	-	-	-			-
20	-	-	-			-
21	264	Left Front Articulated Door - Up	130		P218 @ 7	16 ga. Black
22	266	Left Front Articulated Door - Down	130		P218 @ 6	16 ga. Black
23	262	Left Rear Articulated Door - Up	130		P218 @ 5	16 ga. Black
24	260	Left Rear Articulated Door - Down	130		P218 @ 4	16 ga. Black
25	259	L.H. Outer Door Rotate CCW	130		P217 @ 6	16 ga. Black
26	261	L.H. Outer Door Rotate CW	130		P217 @ 7	16 ga. Black
27	300	Right Rear Articulated Door - Up	130		P218 @ 1	16 ga. Black
28	302	Right Rear Articulated Door - Down	130		P218 @ 8	16 ga. Black
29	292	Right Front Articulated Door - Up	130		P218 @ 3	16 ga. Black
30	290	Right Front Articulated Door - Down	130		P218 @ 2	16 ga. Black
31	293	R.H. Outer Door Rotate CCW	130		P217 @ 2	16 ga. Black
32	294	R.H. Outer Door Rotate CW	130		P217 @ 3	16 ga. Black
33	-	-	-			-
34	-	-	-			-
35	-	-	-			-
36	-	-	-			-
37	-	-	-			-
38	-	-	-			-
39	-	-	-			-
40	-	-	-			-

P371 Speedometer, 2-pin						
A	14	- Power +24VDC CB42	153,161	SPLICE	P164 @ 1	16 ga. Red
B	2	- Ground	153,161		P366 @ 62	16 ga. Red
C	101	- Speedometer	153,161		P350 @ 6	16 ga. Green
					P210 @ 36	16 ga. Black

P376 Converter Connection at Rt Side Panel						
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P380 - 6	10 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P380 - 4	8 ga. Red
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P381 - 4	8 ga. Red
-2	2	- Ground	NONE		P380 - 2	8 ga. Green

<i>Plug # Pin #</i>	<i>Wire #</i>	<i>Description</i>	<i>Terminal / Seal</i>	<i>Notes (See Last pg)</i>	<i>Destination Connection</i>	<i>Wire Size & Colour</i>
-2	2 - Ground		NONE		P381 - 2	8 ga. Green
-3	3 - Power +24VDC from Engine CB to Ignition Switch		NONE		P356 - 3	12 ga. Red
-2	2 - Ground		NONE		P356 - 2	12 ga. Green

Plug # Pin #	Wire #	Description	Terminal / Seal	Notes (See Last pg)	Destination Connection	Wire Size & Colour
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P380 CC Left Panel Loose Connections						
-19	19	- Power +24VDC CB51	NONE		P250 @ 1	12 ga. Red
-2	2	- Ground	NONE		P250 @ 2	12 ga. Green
-20	20	- Power +24VDC CB52	NONE		P250 @ 3	12 ga. Red
-2	2	- Ground	NONE		P250 @ 4	12 ga. Green
-4	4	- Power +24VDC from Power Relay to CB Panel	NONE		P376 - 4	8 ga. Red
-2	2	- Ground	NONE		P376 - 2	8 ga. Green
-6	6	- Power +24VDC from Elect Interlock to CB Panel	NONE		P376 - 6	10 ga. Red

P381 OH Console Loose Connections						
-2	19	- Power +24VDC CB51	NONE		P376 - 2	8 ga. Red
-4	2	- Ground	NONE		P376 - 4	8 ga. Green