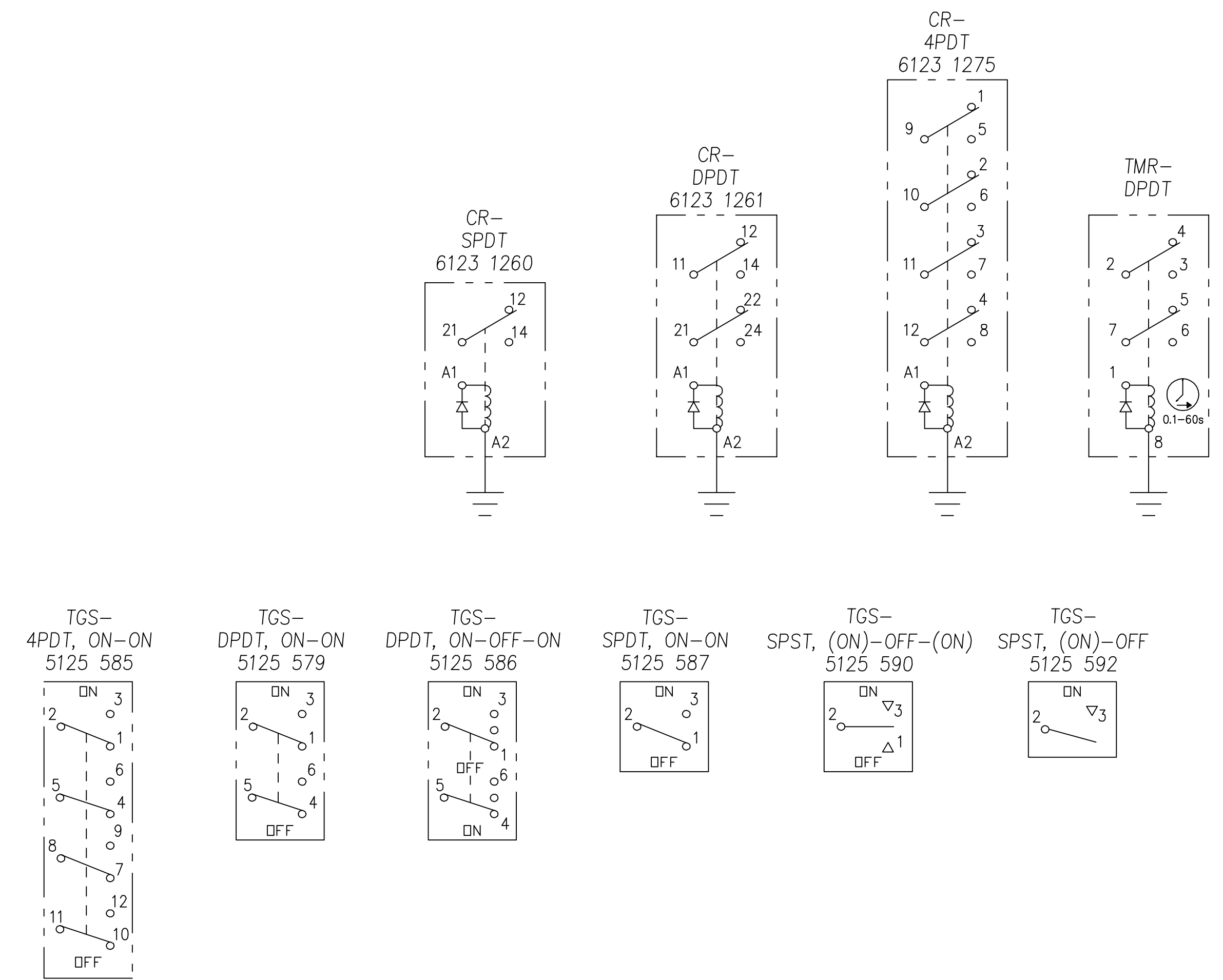


CONNECTION KEY

- WIRE SPLICE
- WIRE CONNECTIONS AT A COMPONENT TERMINAL
- ▲ WIRE CONNECTION AT A TERMINAL STRIP
- BUSS BAR CONNECTION (CIRCUIT BREAKERS)
- P## WIRE CONNECTION AT PIN ON HARNESS PLUG WHERE "P##" IS PLUG AND "X" IS THE PIN
- X WIRE CONNECTION THROUGH JUNCTION BOX WHERE "JB#" IS THE JUNCTION BOX I.D. AND "X" IS THE PIN
- JB# X WIRE CONNECTION THROUGH JUNCTION BOX WHERE "JB#" IS THE JUNCTION BOX I.D. AND "X" IS THE PIN
- X SHT # WIRE "X" TO SHEET # (SCHEMATIC ONLY)
- GROUND
TS = TERMINAL STRIP
FR = FRAME
- SHIELDED CABLE (SHIELDING)
- STANDARD WIRING
- OPTIONAL WIRING -- MAY NOT BE PRESENT ON SOME MACHINES

DEVICE ABBREVIATION / SYMBOL LIST

ABBREV.	DEVICE	SYMBOL
AH	ALARM	
C	CAPACITOR	$\approx X \mu f$
CB	CIRCUIT BREAKER	
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	$\approx 120 \Omega$
RSS	ROTARY SELECTOR SWITCH	
SOL	SOLENOID (W/ DIODE PROTECTION)	
TAS	TEMPERATURE SWITCH	
TMR	TIMER	VARIES
TS	TERMINAL STRIP	Δ_{TS^*}



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

S/N 800304 & UP

REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES			THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION: SCHEMATIC, ELECTRICAL		
FRACTION X .XX .XXX	: 1/8 : .06 : .03 : .010	SIZE	SCALE
250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	NTS	480142
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 1/22	

CONNECTOR REFERENCE

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	DOME LIGHT	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	DOME LIGHT	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

CONNECTOR REFERENCE (continued)

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	OIL COOLER CONTROLLER	MAIN FRAME HARNESS
P384	6	OIL COOLER CONTROLLER	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

CONNECTOR REFERENCE (continued)

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 CONNECTOR	OH CONSOLE
P395	8	CAB WALL / CAB HARNESS	ENGINE DIAGNOSTICS



ELECTRICAL DRAWING REFERENCE

DESCRIPTION	DRAWING NUMBER
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

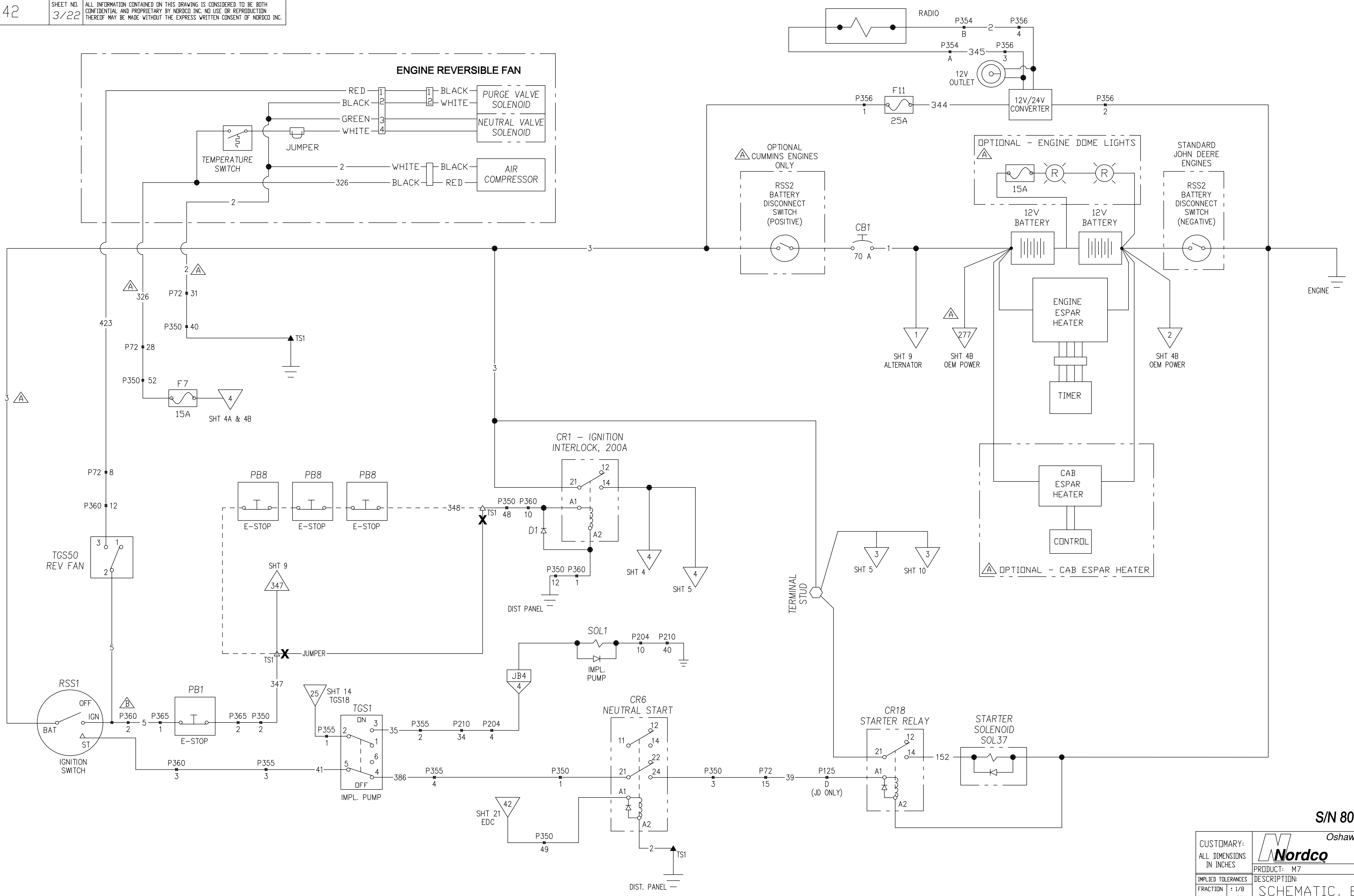
DRAWING LOCATION (GENERAL)

- SHEET 1 LEGEND
- SHEET 2 CONNECTOR & DRAWING REFERENCE
- SHEET 3 BATTERIES, ESPAR, IGNITION CIRCUIT
- SHEET 4A JOHN DEERE DIESEL ENGINE
- SHEET 4B CUMMINS DIESEL ENGINE
- SHEET 5 FAN OPTIONS, CB31 - STROBE AND CAB FANS
- SHEET 6A CB32 - TRAVEL ALARM, CB33 - TRAVEL & MARKER LIGHTS
- SHEET 6B CB32 - TRAVEL ALARM W/ DIRECTIONAL SWITCH
- SHEET 7 CB34 - WORK LIGHTS, CB 35 - LOCOMOTIVE LIGHTS, CB36 - PERIMETER LIGHTS
- SHEET 8 CB41 - WINDSHIELD WIPERS
- SHEET 9 CB42 - GAUGES
- SHEET 10 CB43 - PRESSURIZER, CB44 - EMERGENCY PUMP & INDICATOR LIGHTS
- SHEET 11 CB45 - SPOT LIGHT, CB46 - SPARE, CB51 - HYD 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 & INTERLOCK
- SHEET 14 CB61 - BRAKES - SEE SHT 6 FOR BRAKE LIGHTS
- SHEET 15 CB62 - PROPORTIONAL JOYSTICK CONTROL CB66 - JOYSTICK ON-OFF SWITCH
- SHEET 16 CB63 - BROOM AND SNOWBLOWER
- SHEET 17 CB64 - STONE DEFLECTOR FLAPS, WING INNER DOORS, SNOW WING LOCK-UP
- SHEET 18 CB65 - FRONT PLOW
- SHEET 19A LH JOYSTICK BUTTON FUNCTIONS
- SHEET 19B LH JOYSTICK BUTTON FUNCTIONS WITH TRIGGER
- SHEET 20A RH JOYSTICK BUTTON FUNCTIONS
- SHEET 20B RH JOYSTICK BUTTON FUNCTIONS WITH TRIGGER
- SHEET 21 TRANSMISSION, ELECTRONIC DRIVE CONTROL (EDC)
- SHEET 22 REVISION HISTORY

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa	
IMPLIED TOLERANCES	PRODUCT: M7		
FRACTION X XX .XXX	DESCRIPTION: SCHEMATIC, ELECTRICAL		
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE	SCALE	DRAWING CODE NUMBER
PLANE ANGLES +/- .1°	D	NTS	480142
	ASSEMBLY: -		SHEET 2/22

REVISION HISTORY
LOCATED ON LAST
SHEET

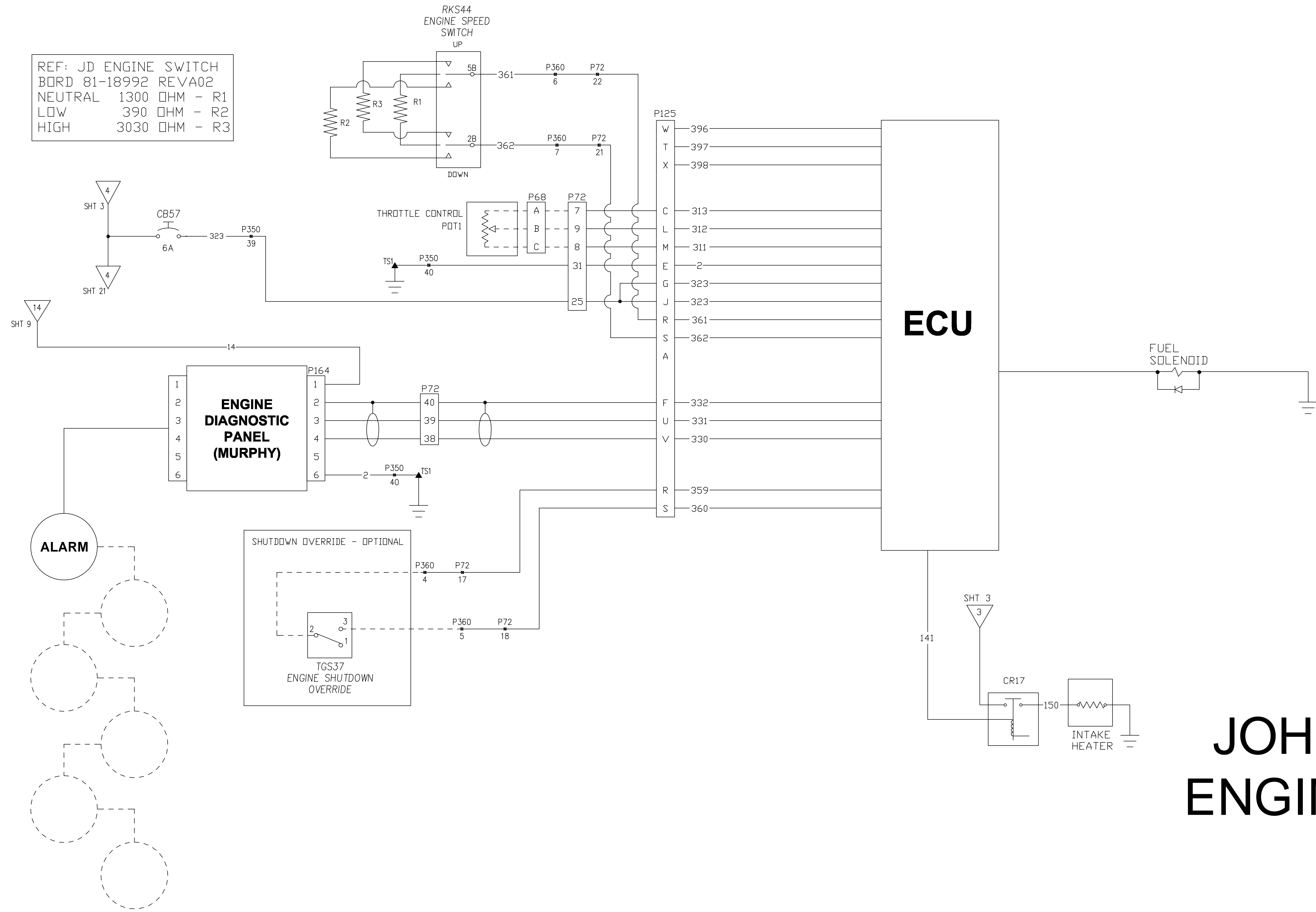


S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		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	480142	B
.XXX : .010		ASSEMBLY: -		SHEET 3/22	
250 / MACHINE FINISH UNLESS OTHERWISE STATED					
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

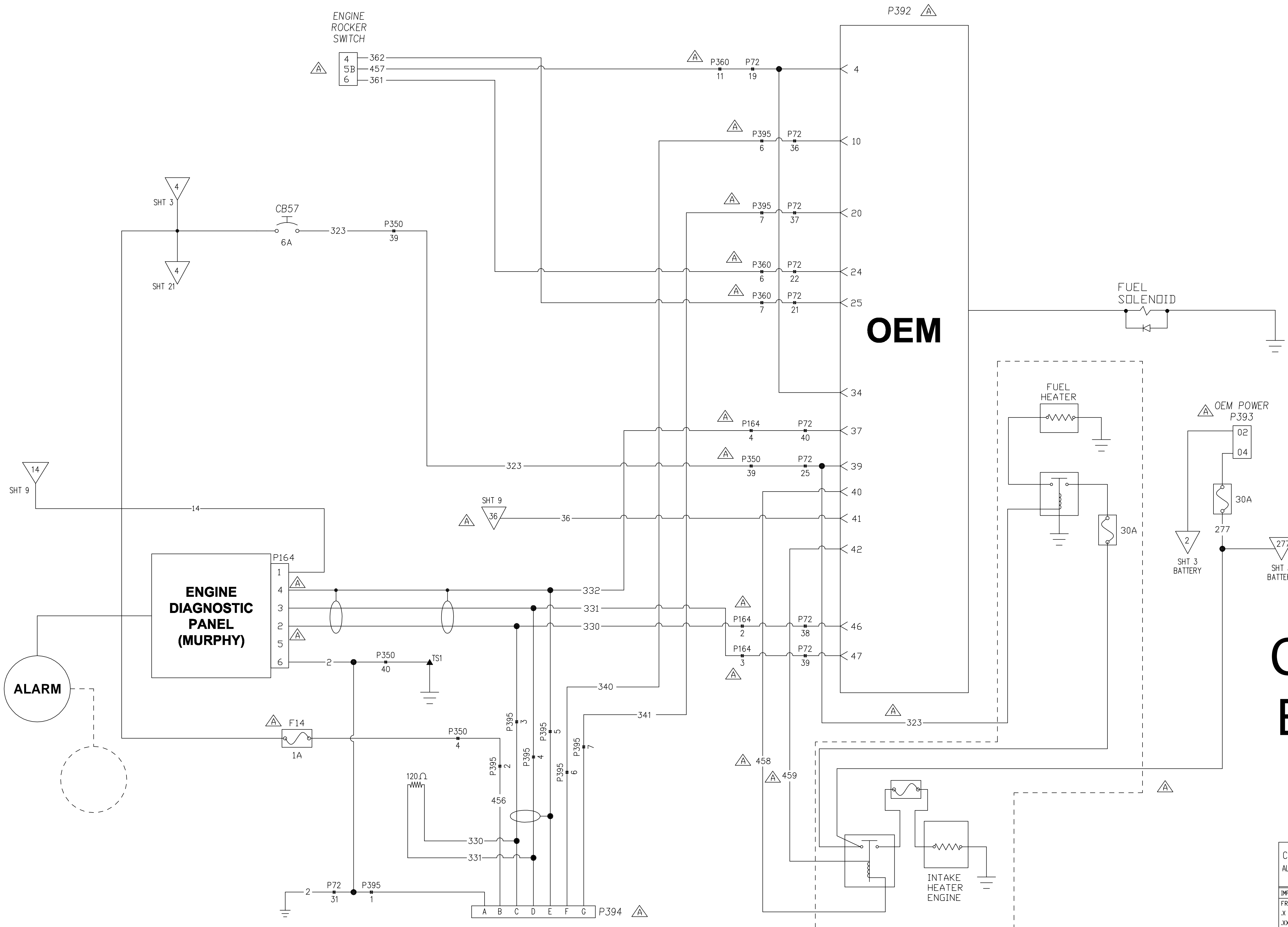


JOHN DEERE ENGINES ONLY

S/N 800304 & UP

REVISION HISTORY
 LOCATED ON LAST
 SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa THIRD ANGLE PROJECTION			
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	± 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
X	± .06				
.XX	± .03				
.XXX	± .010	SIZE	SCALE	DRAWING CODE NUMBER	REV.
250 / MACHINE FINISH UNLESS OTHERWISE STATED		D	NTS	480142	B
PLANE ANGLES +/- 1°		ASSEMBLY: -		SHEET 4A/22	



OEM

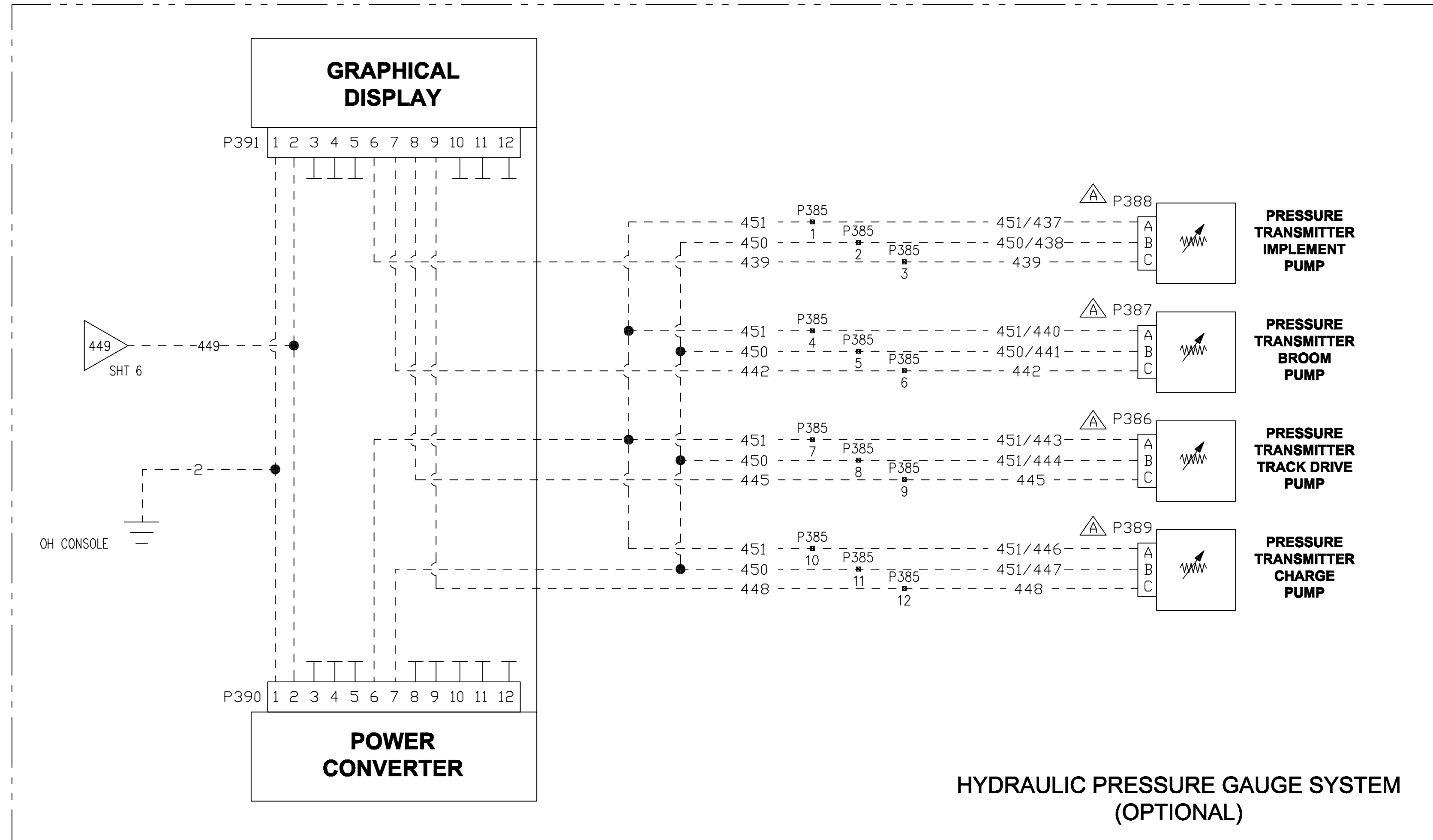
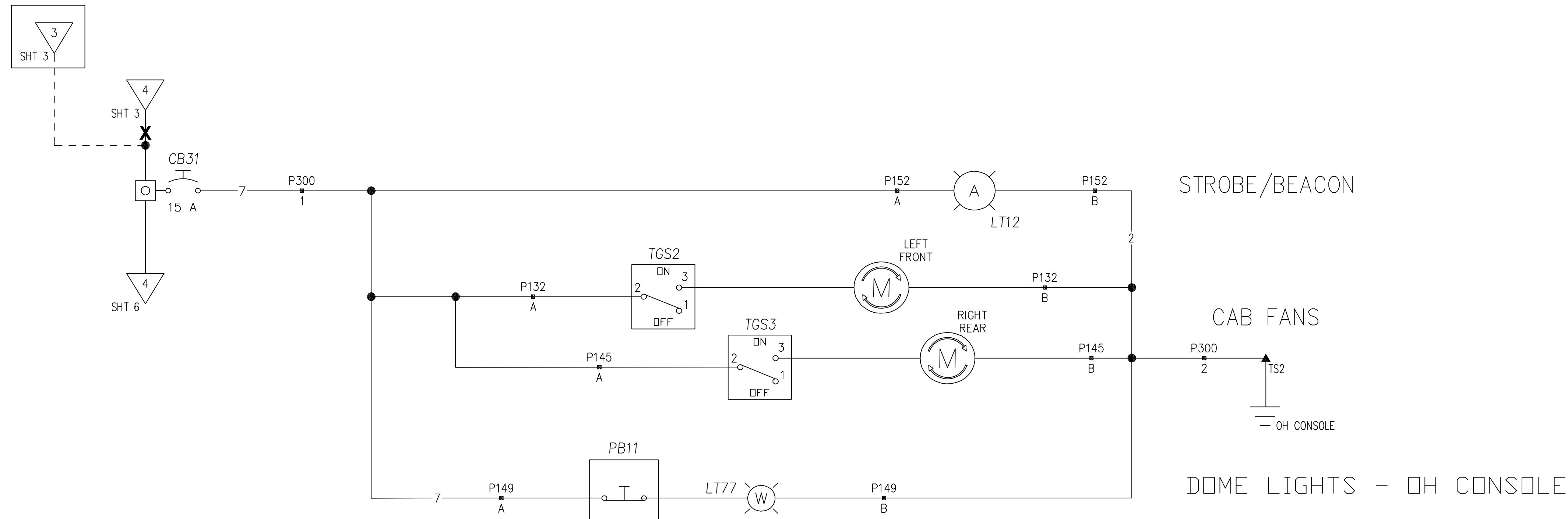
CUMMINS ENGINES ONLY

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	DESCRIPTION:	SCHEMATIC, ELECTRICAL		
X	: 1/8	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .06	D	NTS	480142
.XXX	: .03	ASSEMBLY:	-	SHEET 4B/22
	: .010			
250 / MACHINE FINISH UNLESS OTHERWISE STATED				
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET

OPTION

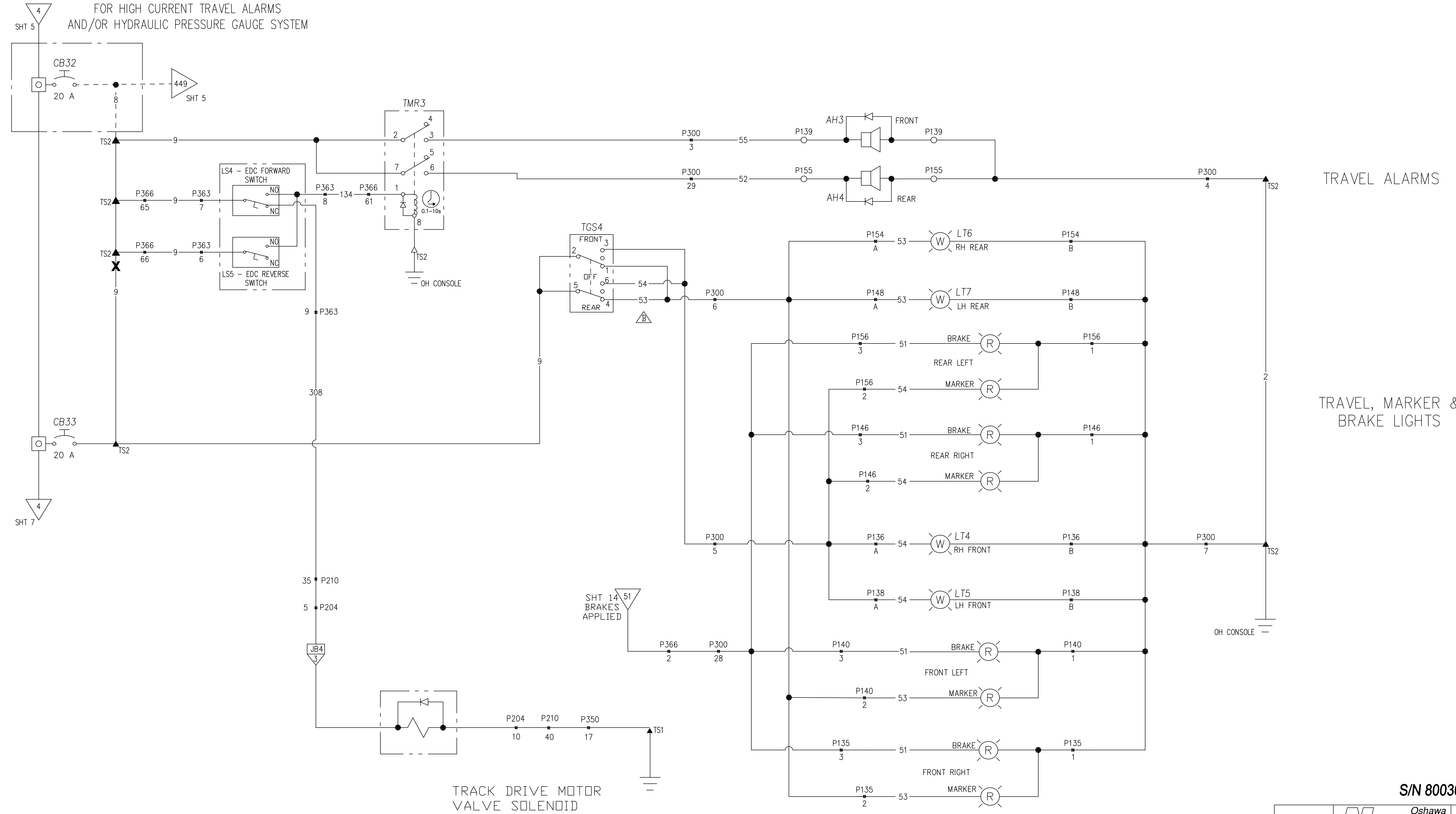


S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 5/22		

REVISION HISTORY
LOCATED ON LAST
SHEET

CB32 CONNECTION OPTIONAL FOR HIGH CURRENT TRAVEL ALARMS AND/OR HYDRAULIC PRESSURE GAUGE SYSTEM



TRAVEL ALARMS

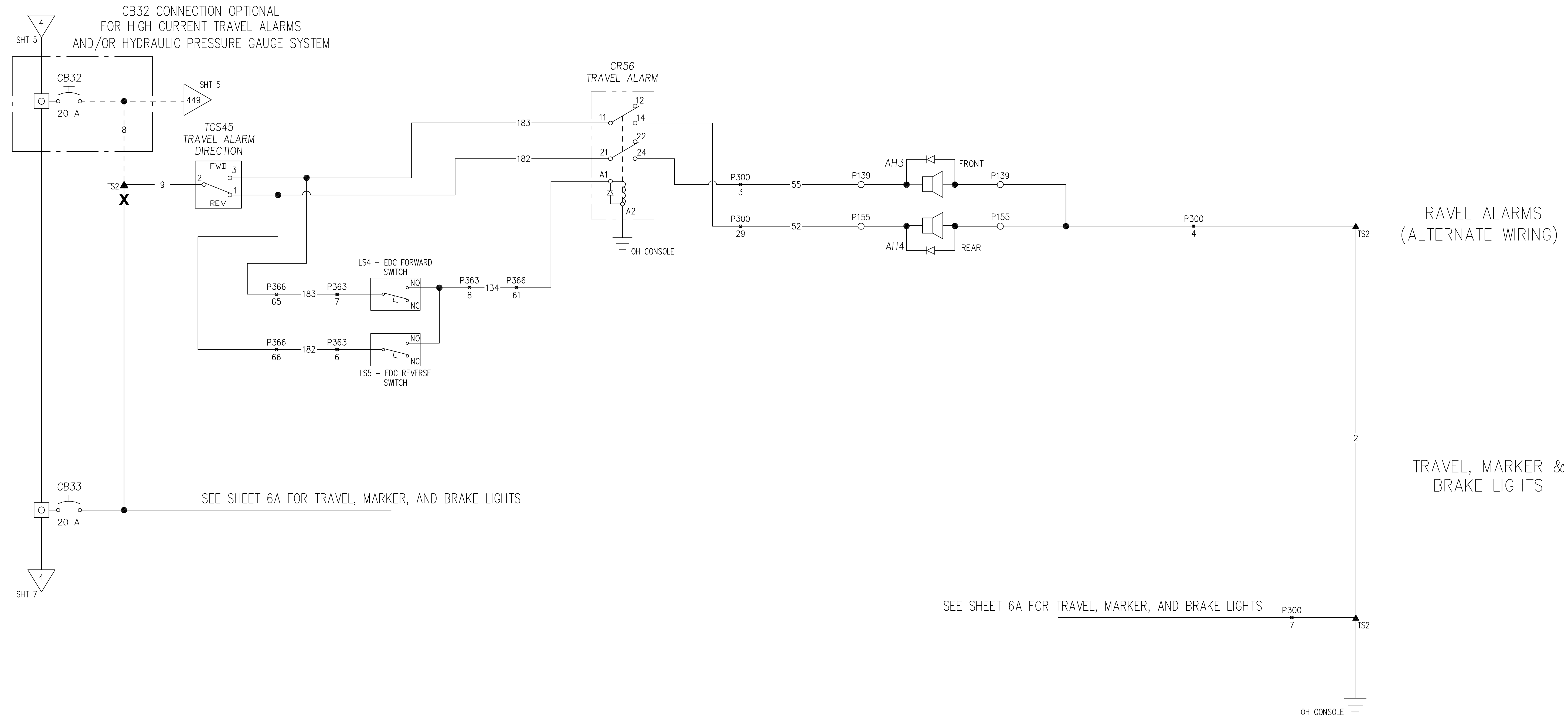
TRAVEL, MARKER & BRAKE LIGHTS

TRACK DRIVE MOTOR VALVE SOLENOID

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	REV.	REV.	
250 / MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -		SHEET 6A/22
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET



TRAVEL ALARMS
(ALTERNATE WIRING)

TRAVEL, MARKER &
BRAKE LIGHTS

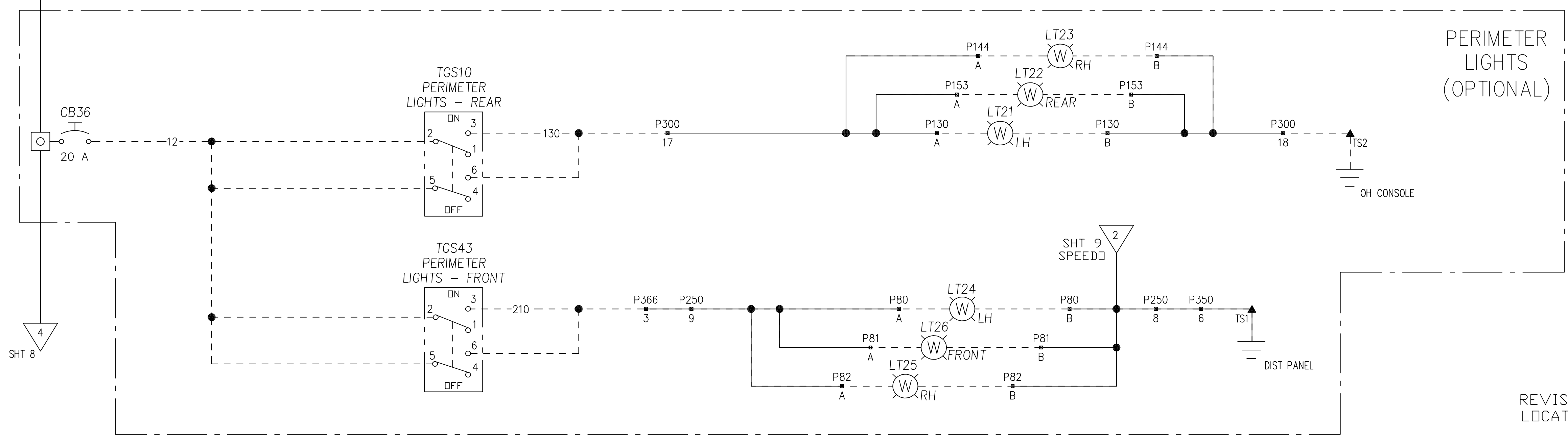
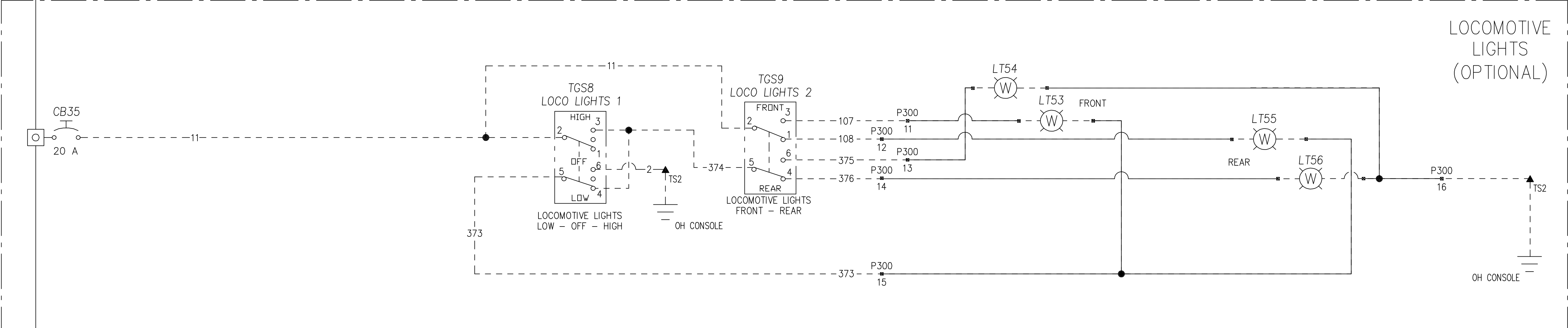
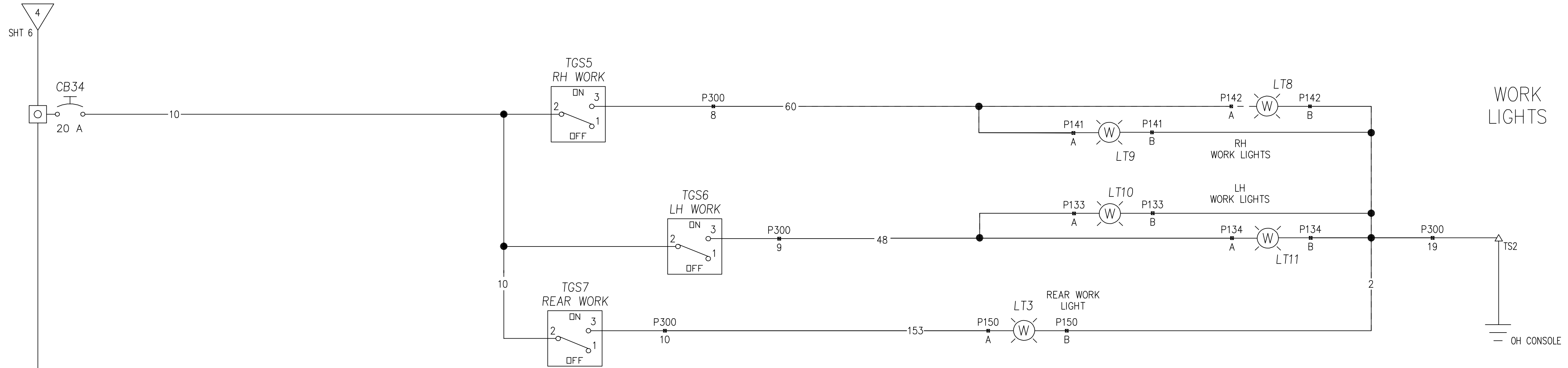
SEE SHEET 6A FOR TRAVEL, MARKER, AND BRAKE LIGHTS

SEE SHEET 6A FOR TRAVEL, MARKER, AND BRAKE LIGHTS

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: SCHEMATIC, ELECTRICAL	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: NTS	DRAWING CODE NUMBER: 480142
PLANE ANGLES +/- 1°	ASSEMBLY: -		REV. B
			SHEET 6B/22

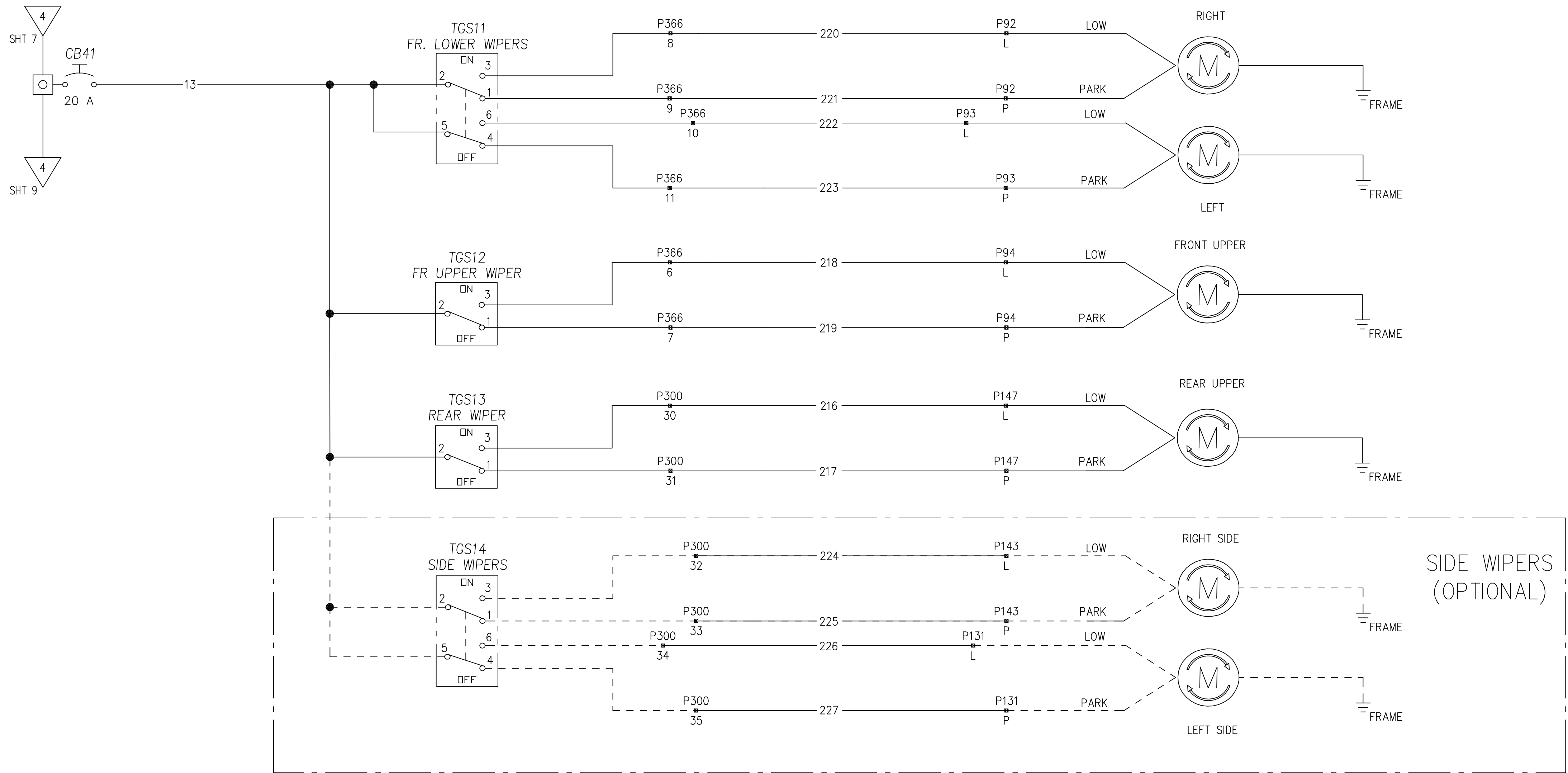
REVISION HISTORY
LOCATED ON LAST
SHEET



REVISION HISTORY LOCATED ON LAST SHEET

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION : 1/8		DESCRIPTION: SCHEMATIC, ELECTRICAL		
X : .06	XX : .03	SIZE	SCALE	DRAWING CODE NUMBER
.XXX : .010		D	NTS	480142
250 / MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -		REV. B
PLANE ANGLES +/- 1°		SHEET 7/22		



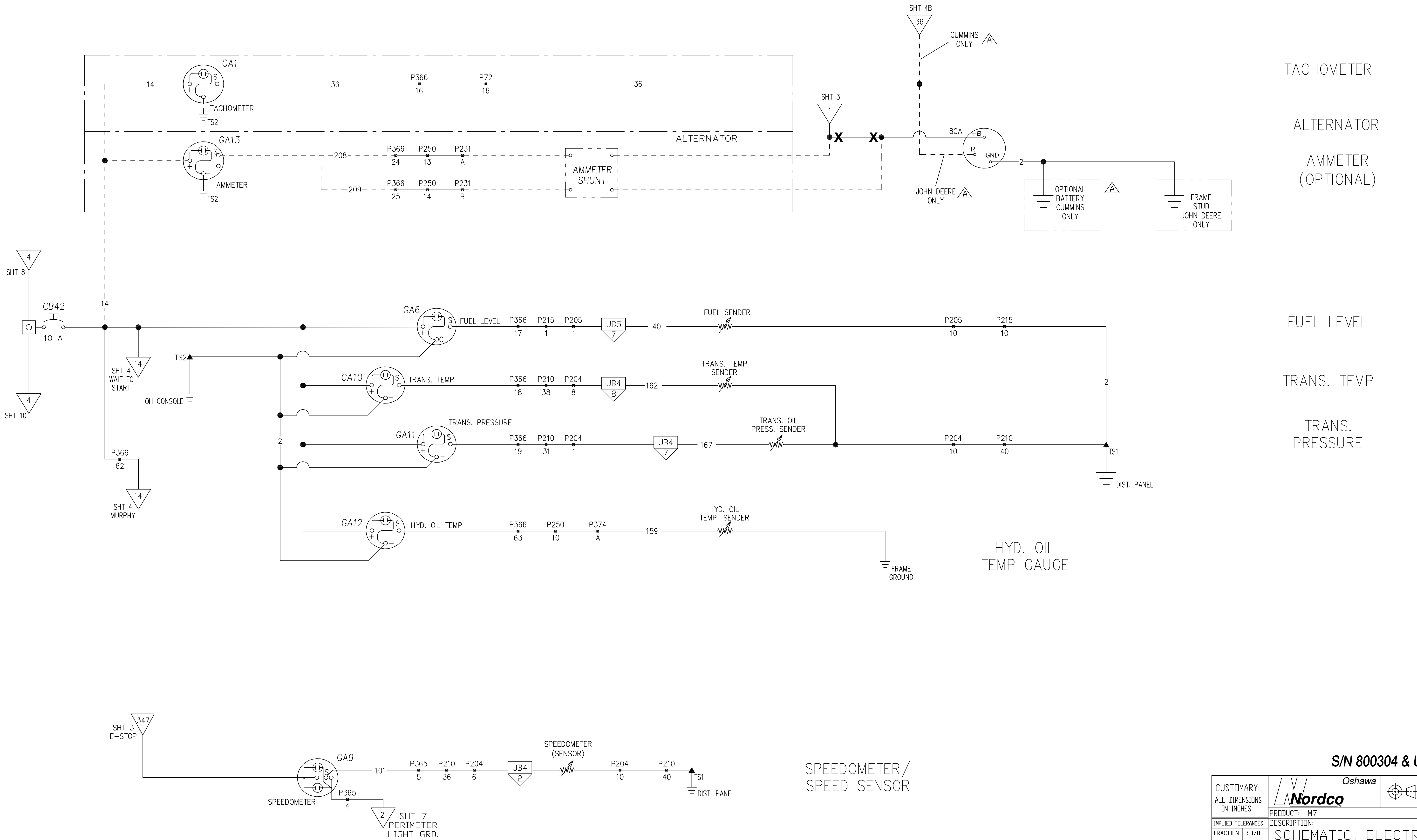
WINDSHIELD WIPERS

SIDE WIPERS (OPTIONAL)

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES	Oshawa Nordco		THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION:		
FRACTION	SCHEMATIC, ELECTRICAL		
X	: 1/8	SIZE	SCALE
.XX	: .06	DRAWING CODE NUMBER	REV.
.XXX	: .03	480142	B
	: .010	ASSEMBLY: -	SHEET 8/22
250 / MACHINE FINISH UNLESS OTHERWISE STATED			
PLANE ANGLES +/- 1°			

REVISION HISTORY
LOCATED ON LAST
SHEET



TACHOMETER
 ALTERNATOR
 AMMETER (OPTIONAL)

FUEL LEVEL
 TRANS. TEMP
 TRANS. PRESSURE

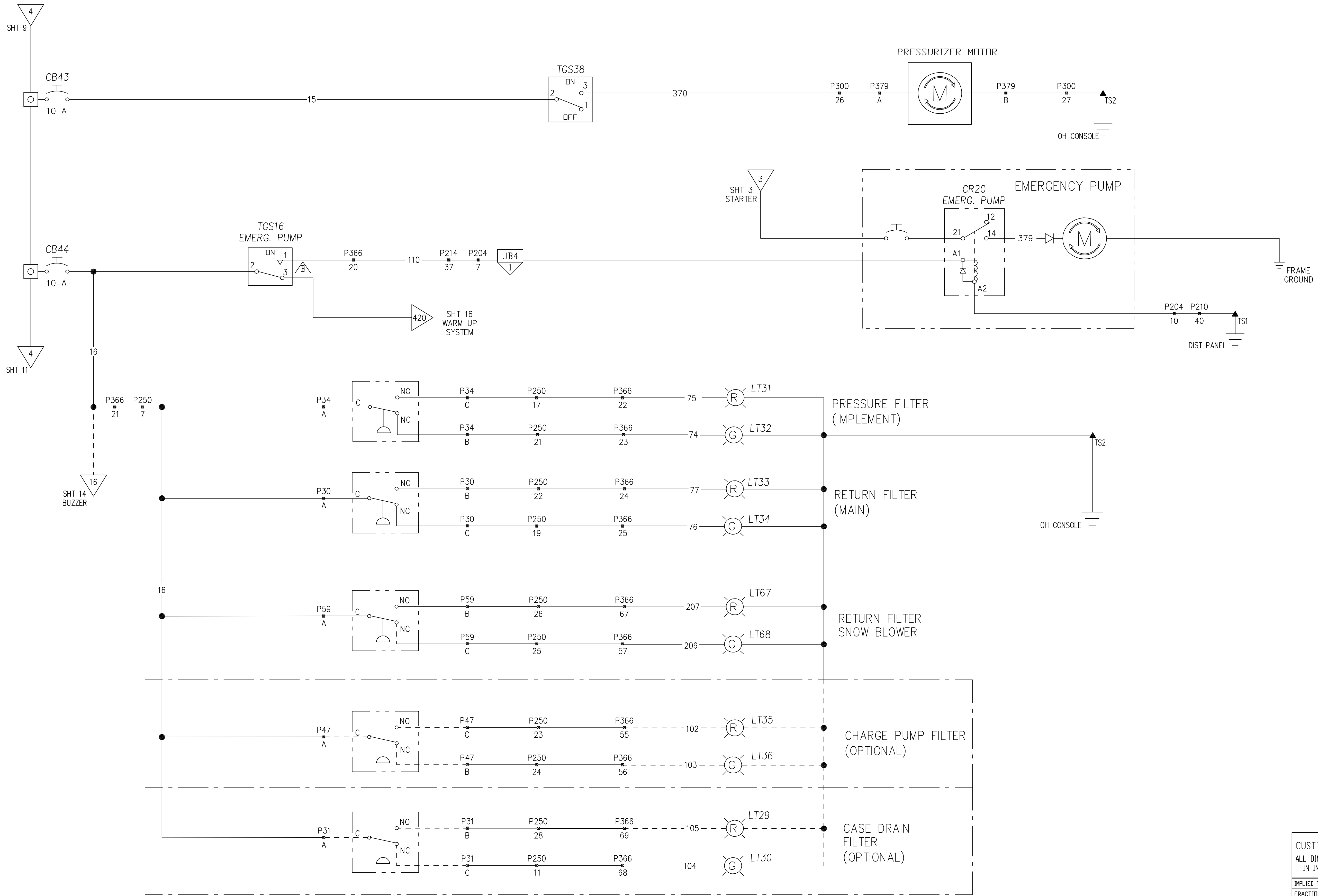
HYD. OIL TEMP GAUGE

SPEEDOMETER/
 SPEED SENSOR

REVISION HISTORY
 LOCATED ON LAST
 SHEET

S/N 800304 & UP

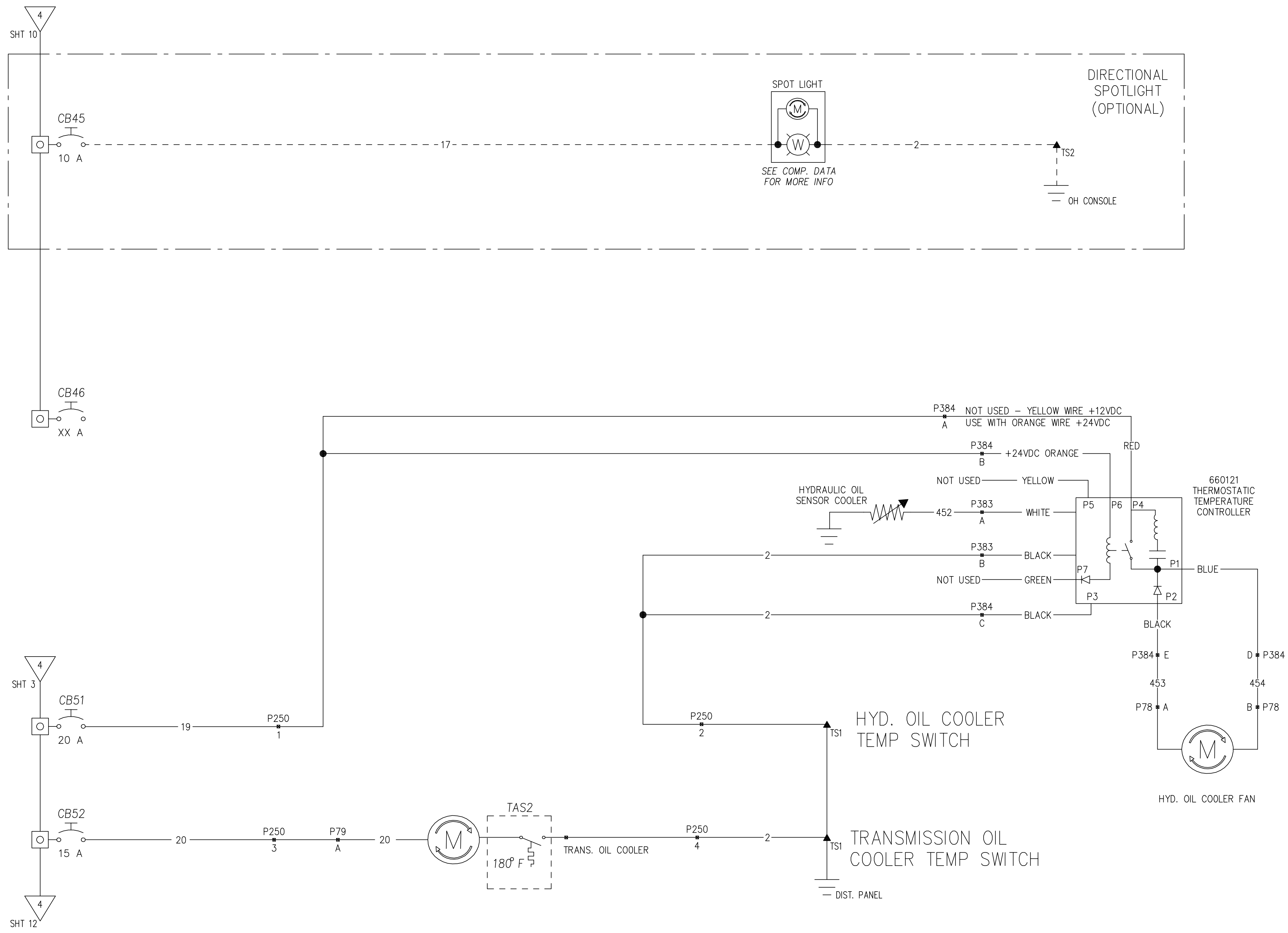
CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION		DESCRIPTION: SCHEMATIC, ELECTRICAL			
X	: 1/8	SIZE	SCALE	DRAWING CODE NUMBER	REV.
.XX	: .06	D	NTS	480142	B
.XXX	: .03	ASSEMBLY: -		SHEET 9/22	
250 / MACHINE FINISH UNLESS OTHERWISE STATED		PLANE ANGLES +/- 1°			



REVISION HISTORY
LOCATED ON LAST
SHEET

S/N 800304 & UP

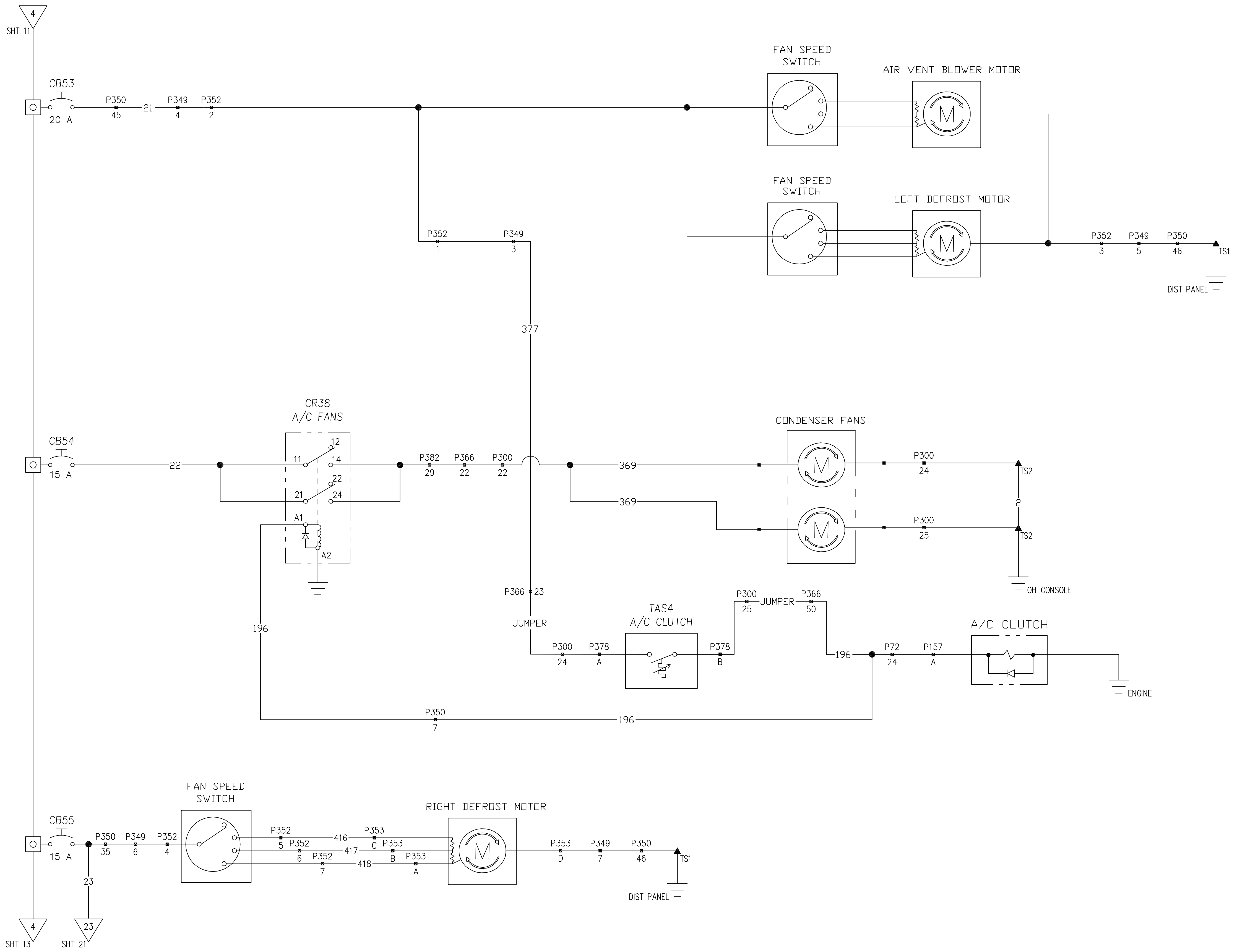
CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 10/22		
PLANE ANGLES +/- 1°				



S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa THIRD ANGLE PROJECTION			
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
X	: .06				
.XX	: .03				
.XXX	: .010	SIZE	SCALE	DRAWING CODE NUMBER	REV.
250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	NTS		480142	B
PLANE ANGLES +/- 1°	ASSEMBLY: -		SHEET 11/22		

REVISION HISTORY
LOCATED ON LAST
SHEET

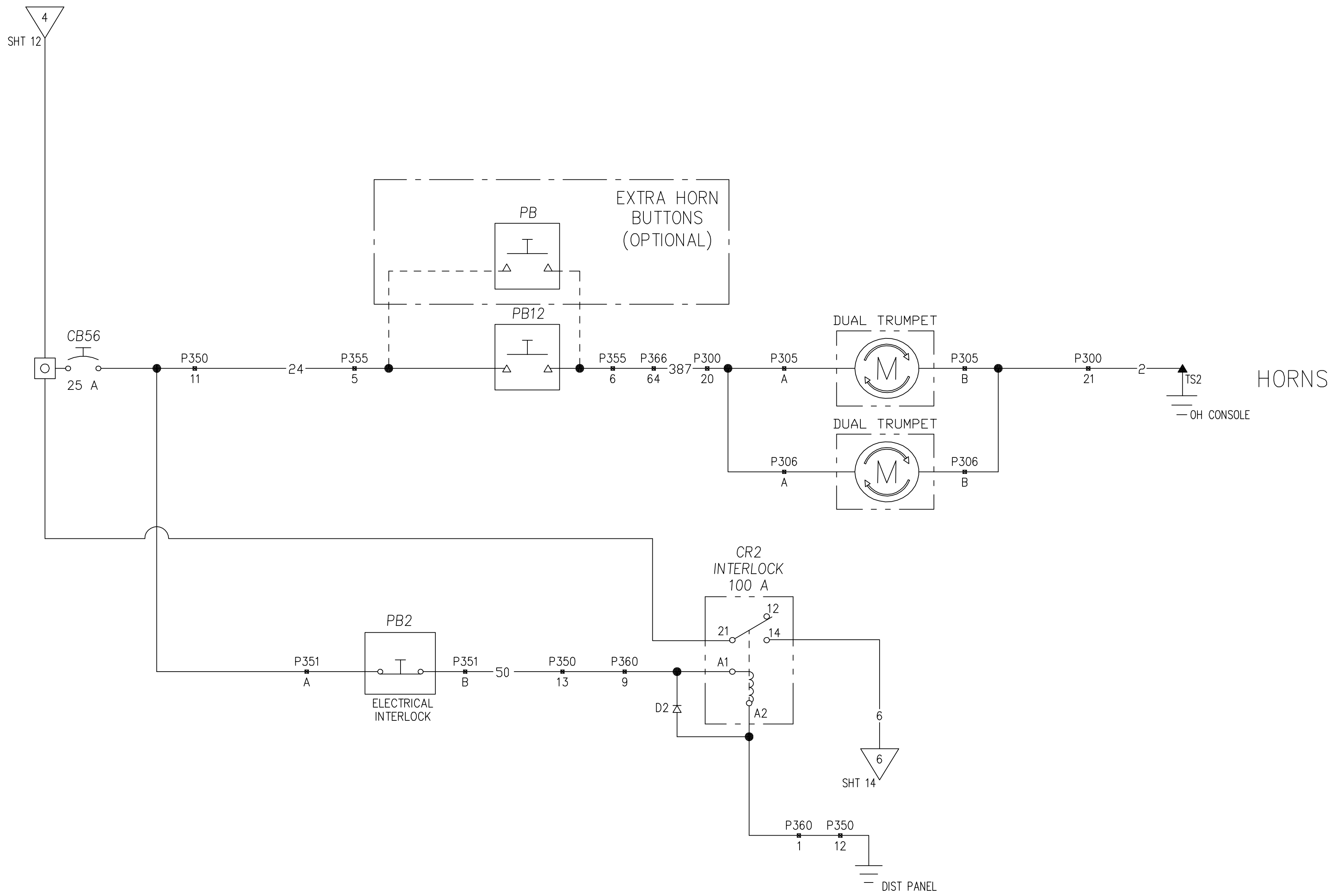


AIR CONDITIONER & DEFROST

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 12/22		
PLANE ANGLES +/- 1°				

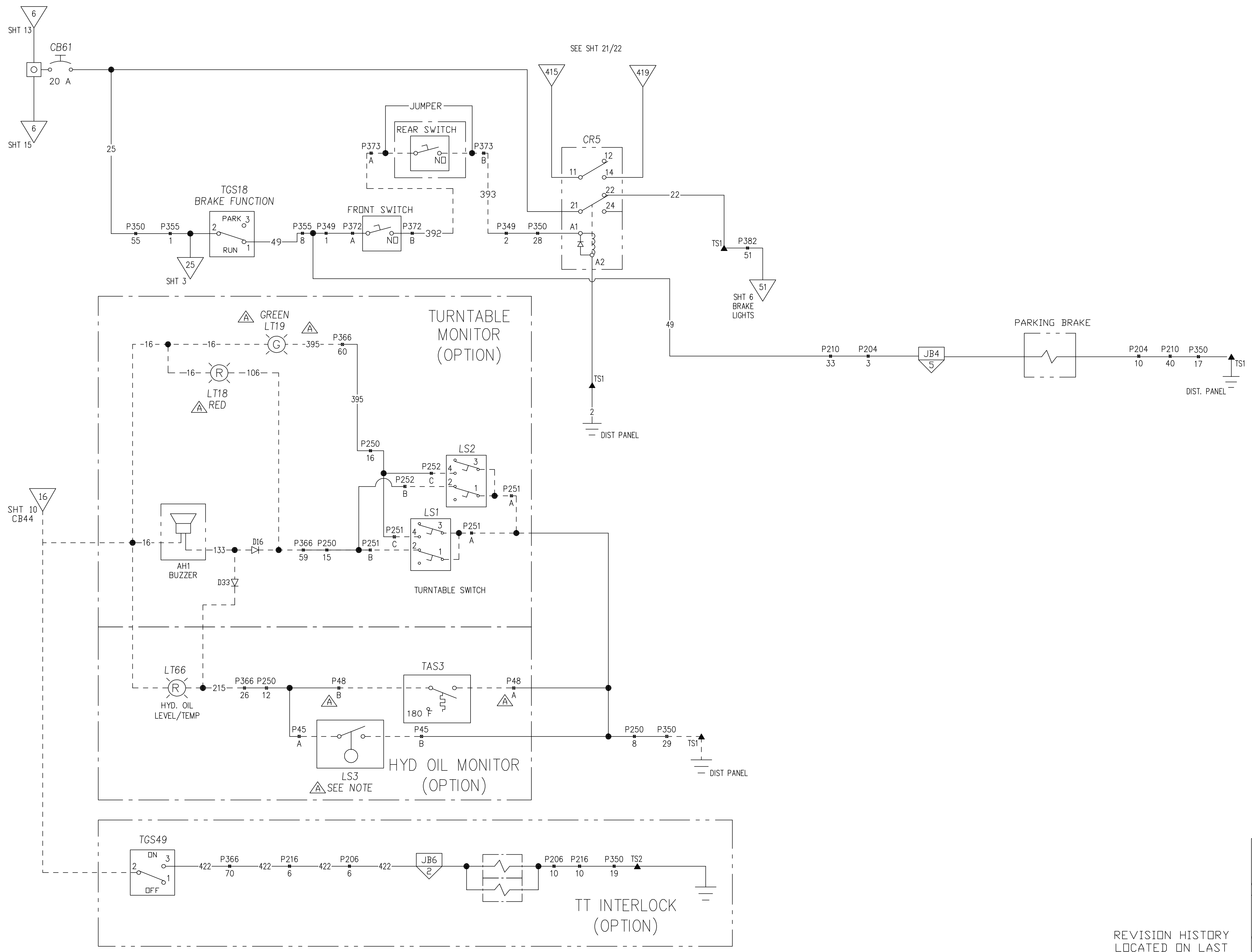
REVISION HISTORY
LOCATED ON LAST
SHEET



S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa THIRD ANGLE PROJECTION			
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL			
X	: .06				
.XX	: .03				
.XXX	: .010	SIZE	SCALE	DRAWING CODE NUMBER	REV.
250 / MACHINE FINISH UNLESS OTHERWISE STATED		D	NTS	480142	B
PLANE ANGLES +/- 1°		ASSEMBLY: -		SHEET 13/22	

REVISION HISTORY
LOCATED ON LAST
SHEET

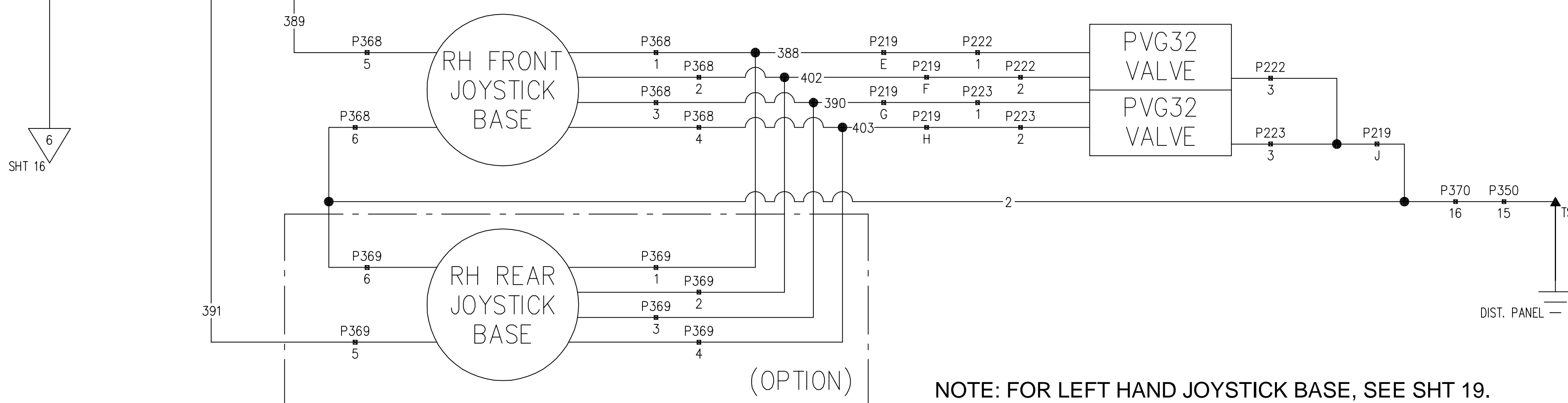
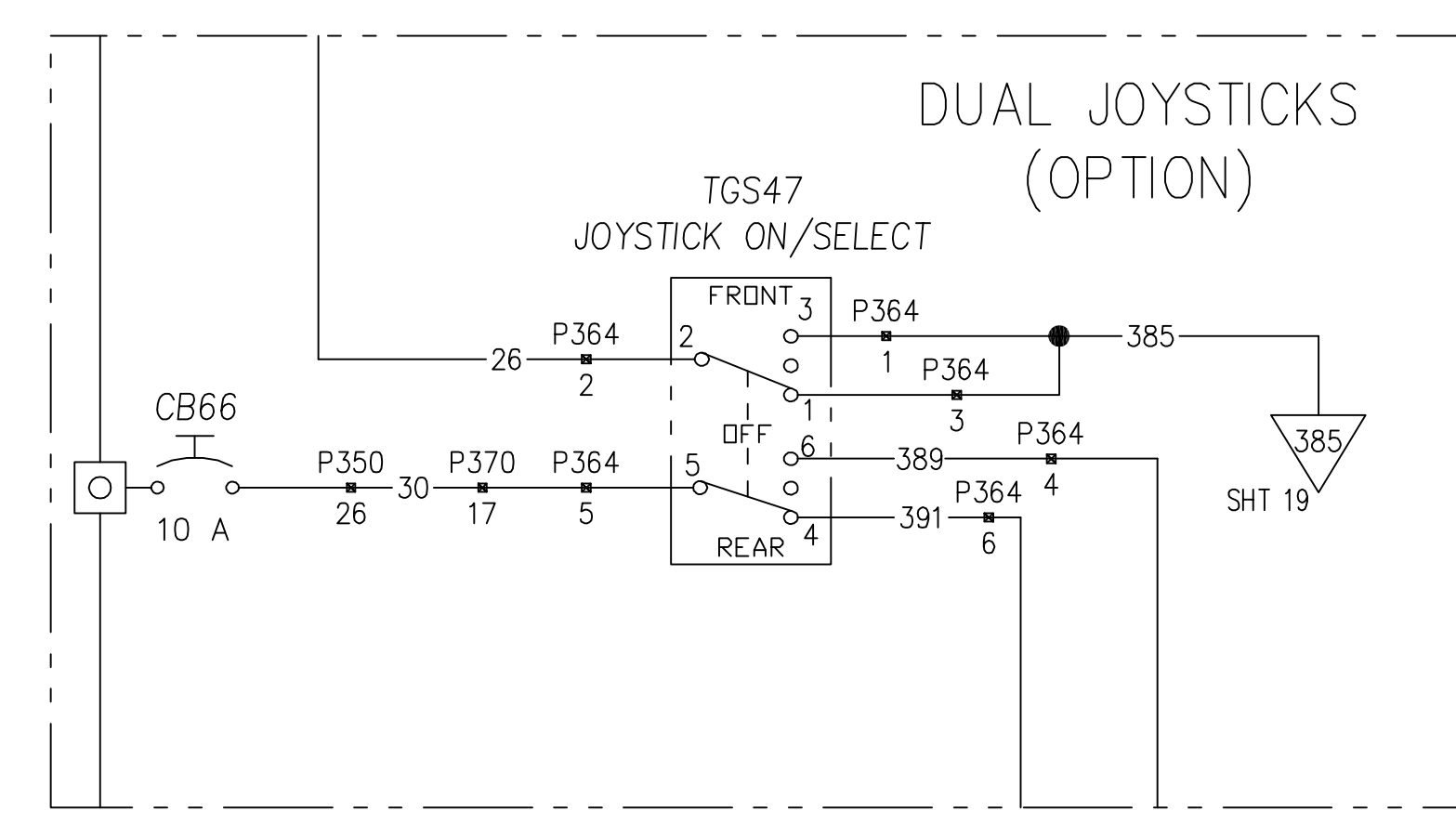
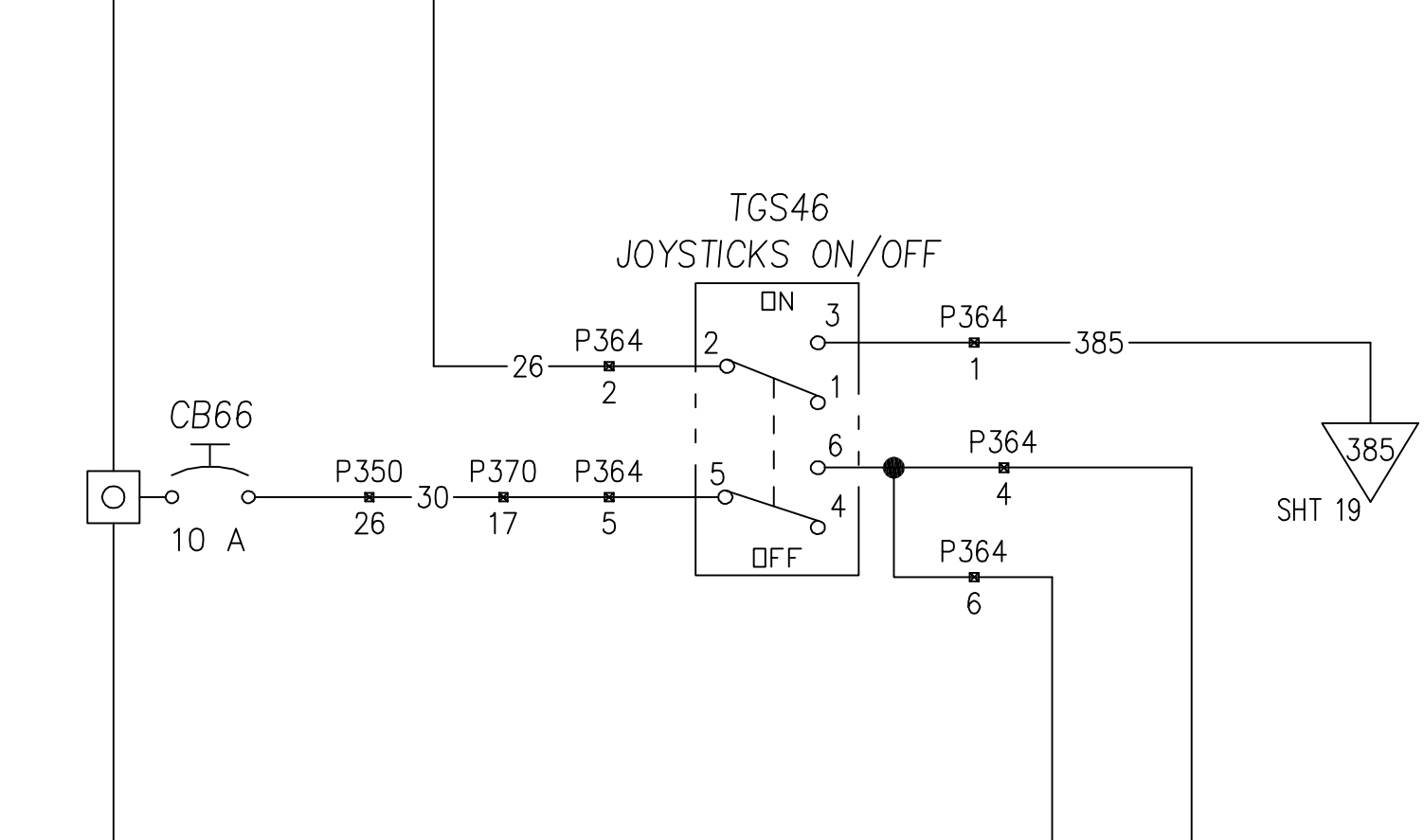
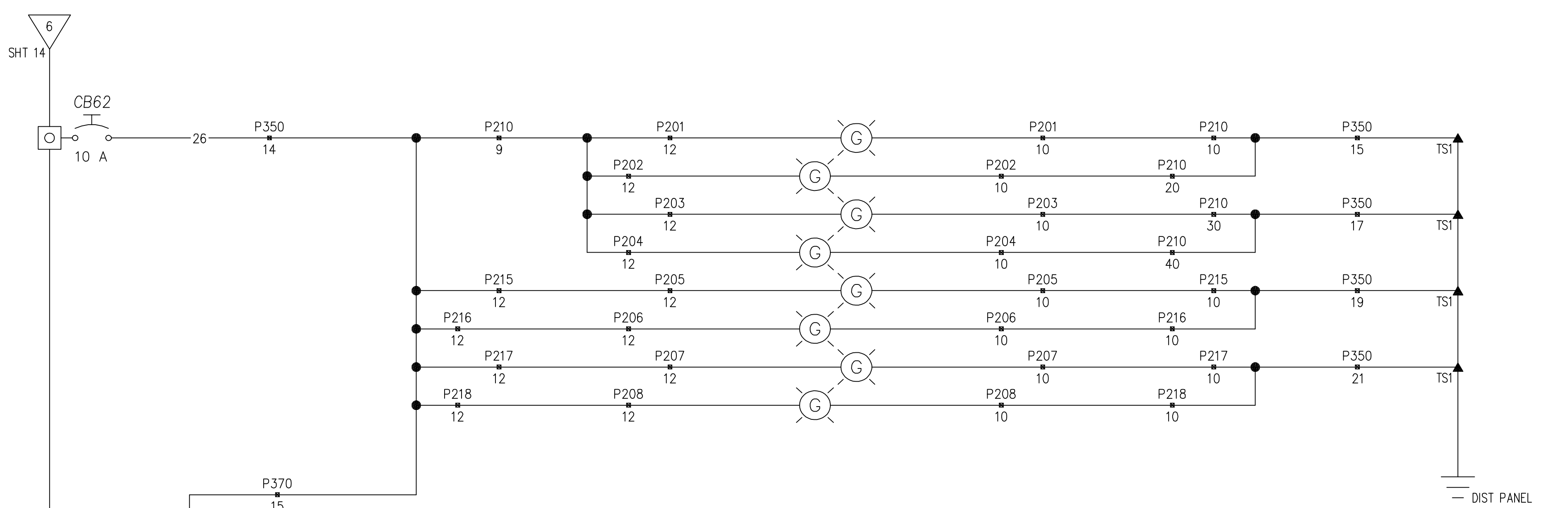


NOTE: NORMALLY OPEN = OIL IN

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	SHEET 14/22
250 / MACHINE FINISH UNLESS OTHERWISE STATED				
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET

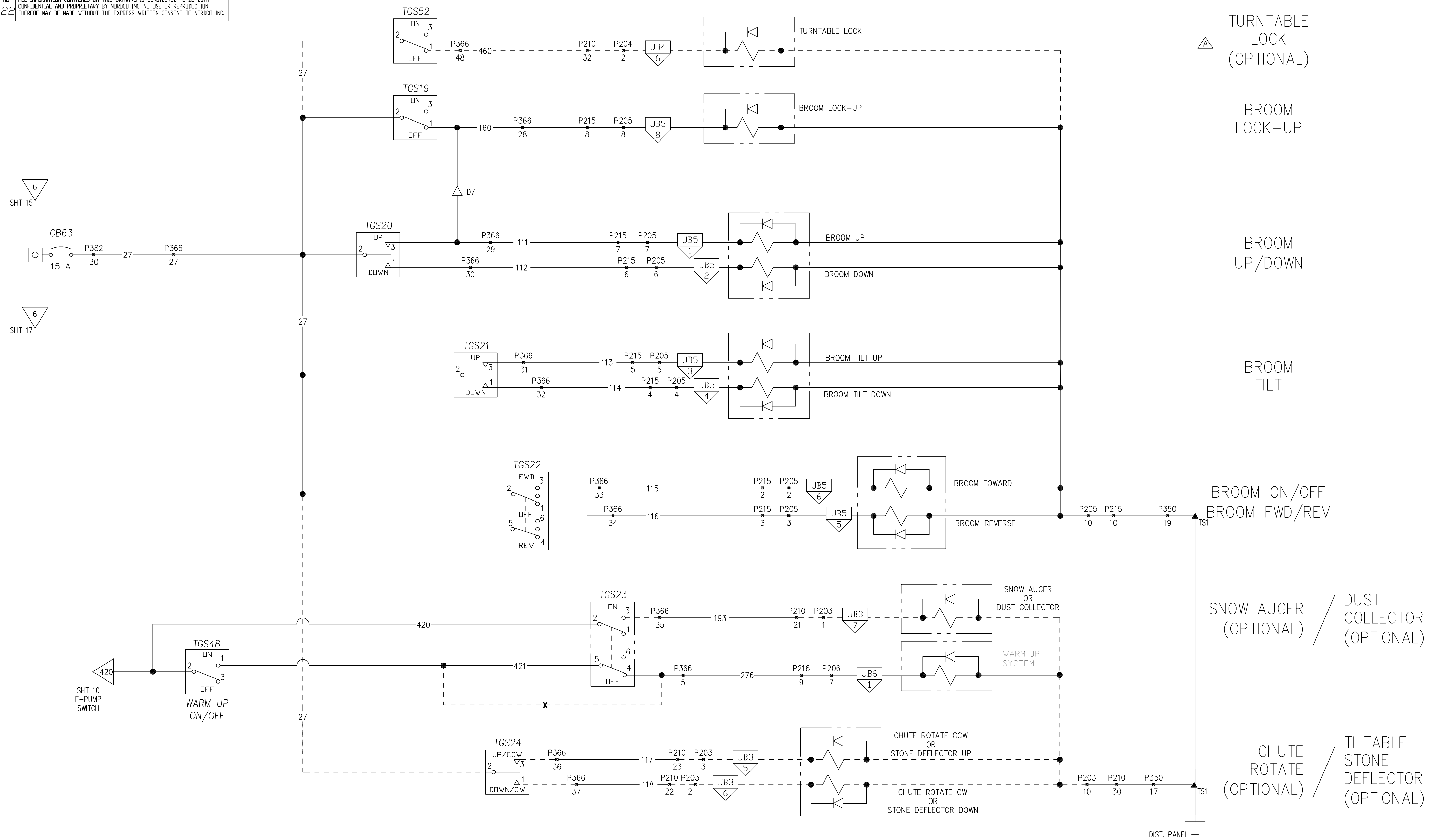


NOTE: FOR LEFT HAND JOYSTICK BASE, SEE SHT 19.

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	SHEET 15/22
250 / MACHINE FINISH UNLESS OTHERWISE STATED				
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET



TURNTABLE LOCK (OPTIONAL)

BROOM LOCK-UP

BROOM UP/DOWN

BROOM TILT

BROOM ON/OFF
BROOM FWD/REV

SNOW AUGER (OPTIONAL) / DUST COLLECTOR (OPTIONAL)

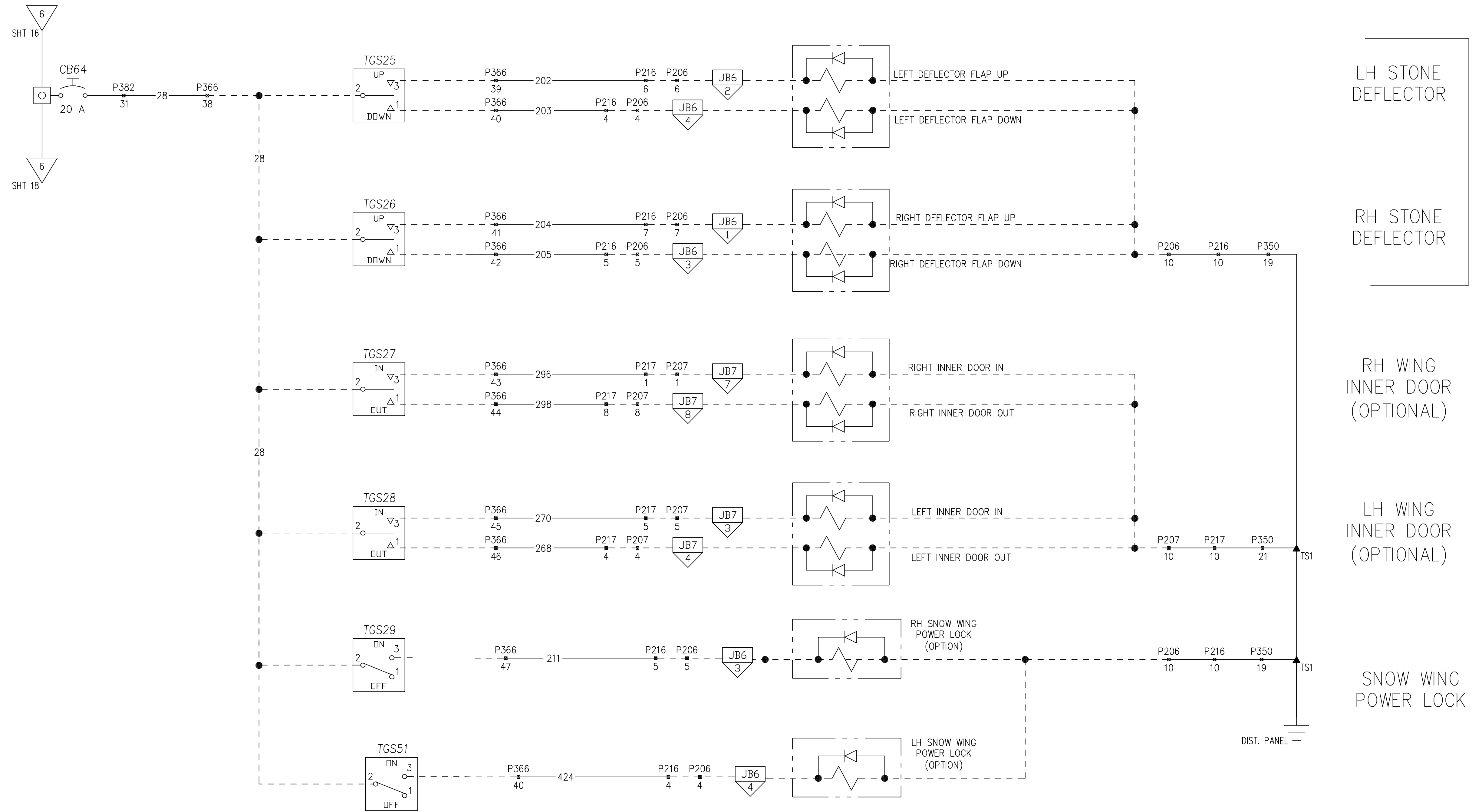
WARM UP SYSTEM

CHUTE ROTATE (OPTIONAL) / TILTABLE STONE DEFLECTOR (OPTIONAL)

REVISION HISTORY
LOCATED ON LAST SHEET

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Nordco Oshawa		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	DESCRIPTION:	SCHEMATIC, ELECTRICAL		
X	: 1/8	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .06	D	NTS	480142
.XXX	: .03	ASSEMBLY:	-	B
	: .010	REV.		
250 / MACHINE FINISH UNLESS OTHERWISE STATED	PLANE ANGLES +/- 1°	ASSEMBLY:	-	SHEET 16/22



LH STONE DEFLECTOR
RH STONE DEFLECTOR
FLAPS (OPTIONAL)

RH WING INNER DOOR (OPTIONAL)

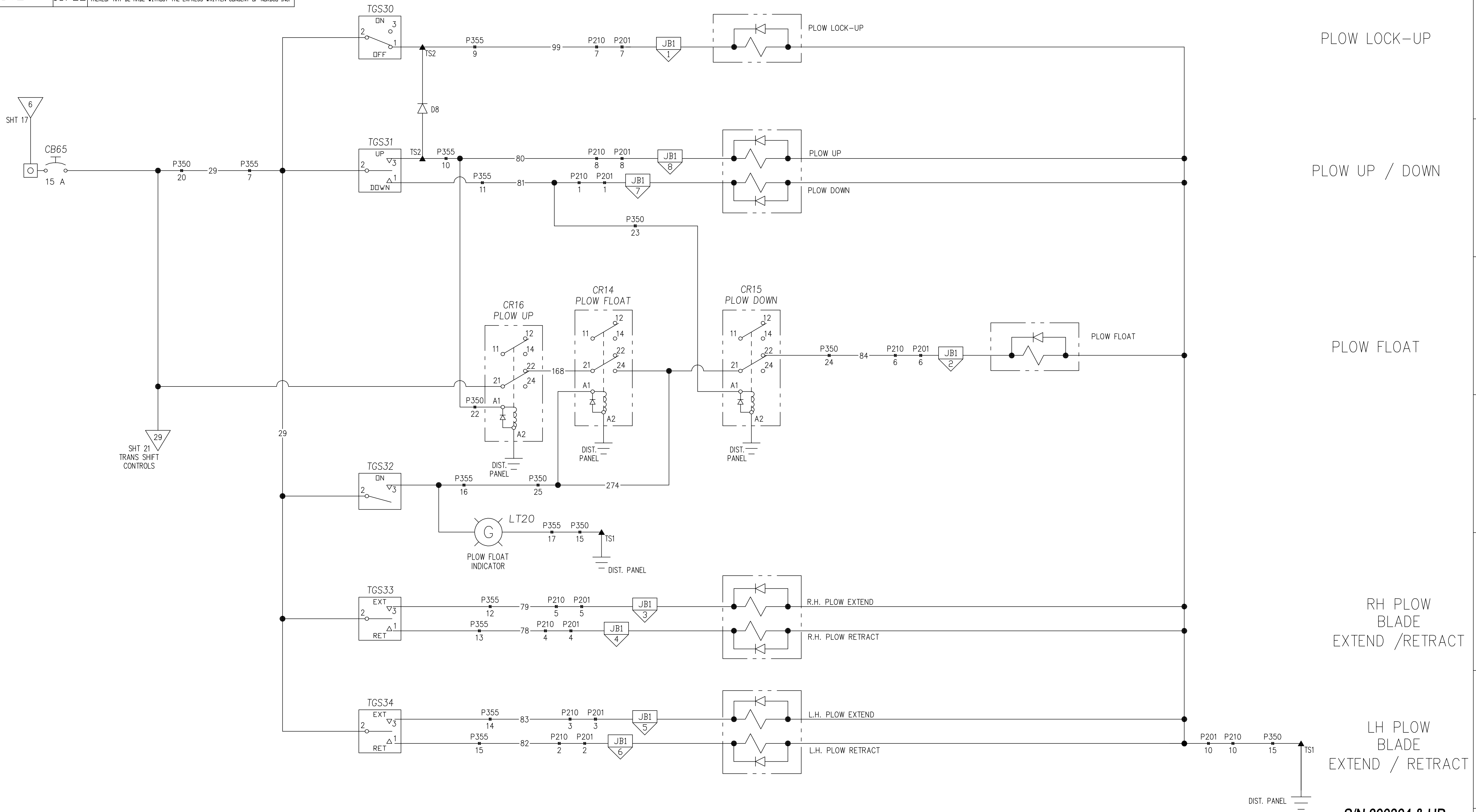
LH WING INNER DOOR (OPTIONAL)

RH SNOW WING POWER LOCK (OPTION)
SNOW WING POWER LOCK

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 17/22		
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET



PLOW LOCK-UP

PLOW UP / DOWN

PLOW FLOAT

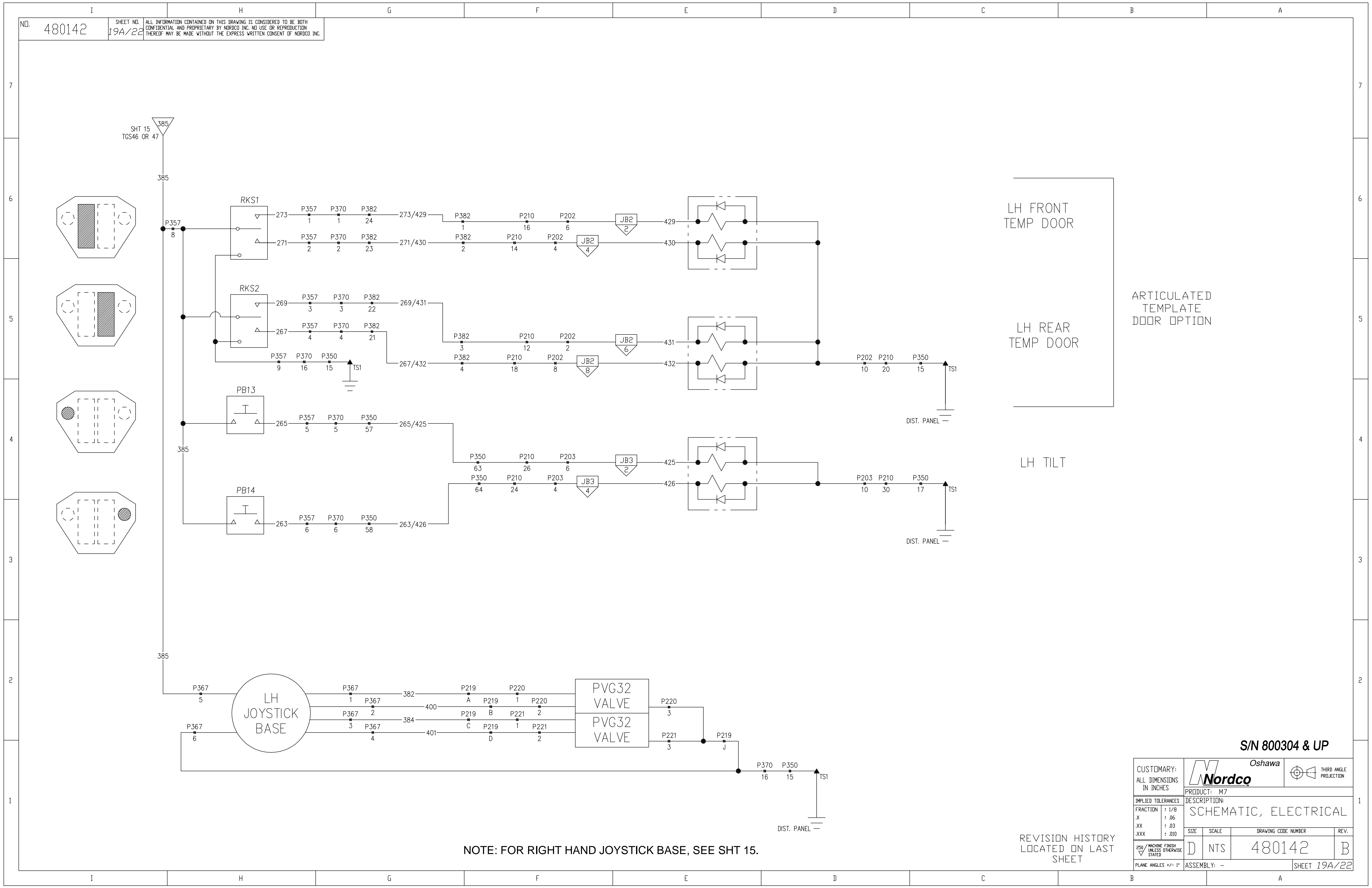
R.H. PLOW BLADE EXTEND /RETRACT

L.H. PLOW BLADE EXTEND / RETRACT

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Nordco Oshawa		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 18/22		
PLANE ANGLES +/- 1°				

REVISION HISTORY
LOCATED ON LAST
SHEET



S/N 800304 & UP

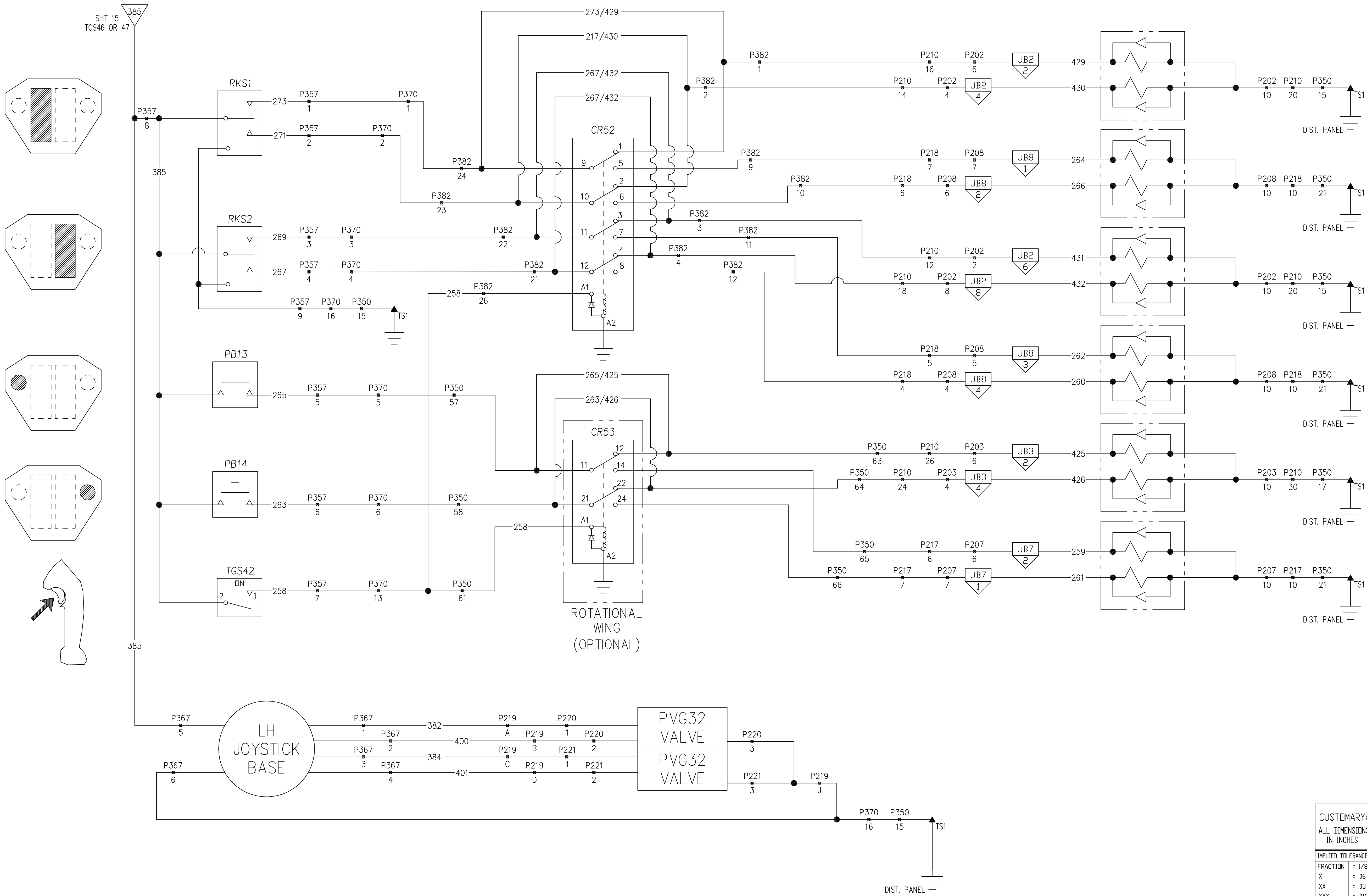
CUSTOMARY: ALL DIMENSIONS IN INCHES	Oshawa Nordco		THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION:		
FRACTION	SCHEMATIC, ELECTRICAL		
X	: 1/8	SIZE	SCALE
.XX	: .06	DRAWING CODE NUMBER	REV.
.XXX	: .03	480142	B
.XXX	: .010	ASSEMBLY: -	SHEET 19A/22
250 / MACHINE FINISH UNLESS OTHERWISE STATED			
PLANE ANGLES +/- 1°			

REVISION HISTORY
LOCATED ON LAST
SHEET

NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 15.

7
6
5
4
3
2
1

1



LH FRONT
TEMP DOOR

LH FRONT
ARTIC. DOOR
(OPTIONAL)

LH REAR
TEMP DOOR

LH REAR
ARTIC. DOOR
(OPTIONAL)

LH OUTER
DOOR TILT

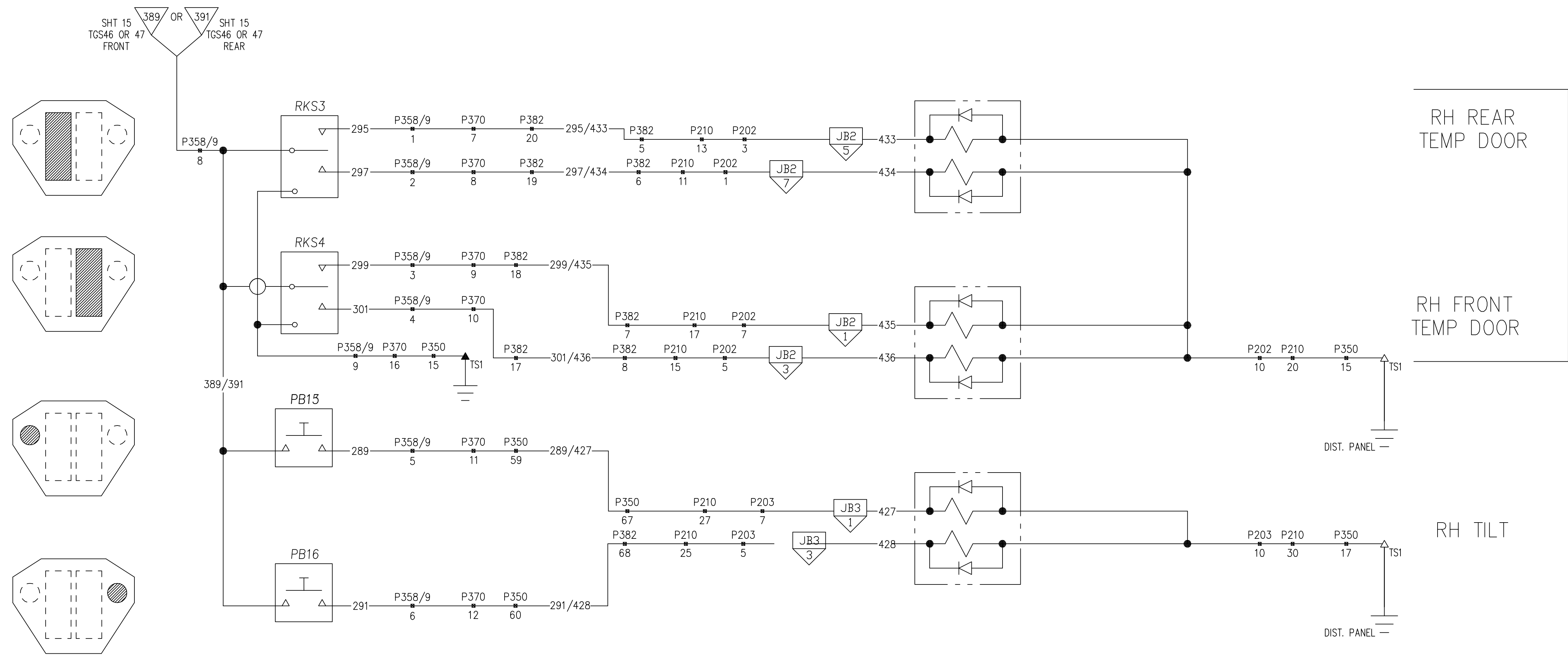
LH OUTER
DOOR ROTATE
(OPTIONAL)

NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 15.

REVISION HISTORY
LOCATED ON LAST
SHEET

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES	Oshawa Nordco		THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION: SCHEMATIC, ELECTRICAL		
FRACTION : 1/8 X : .06 XX : .03 .XXX : .010	SIZE	SCALE	DRAWING CODE NUMBER
250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	NTS	480142
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 19B/22	




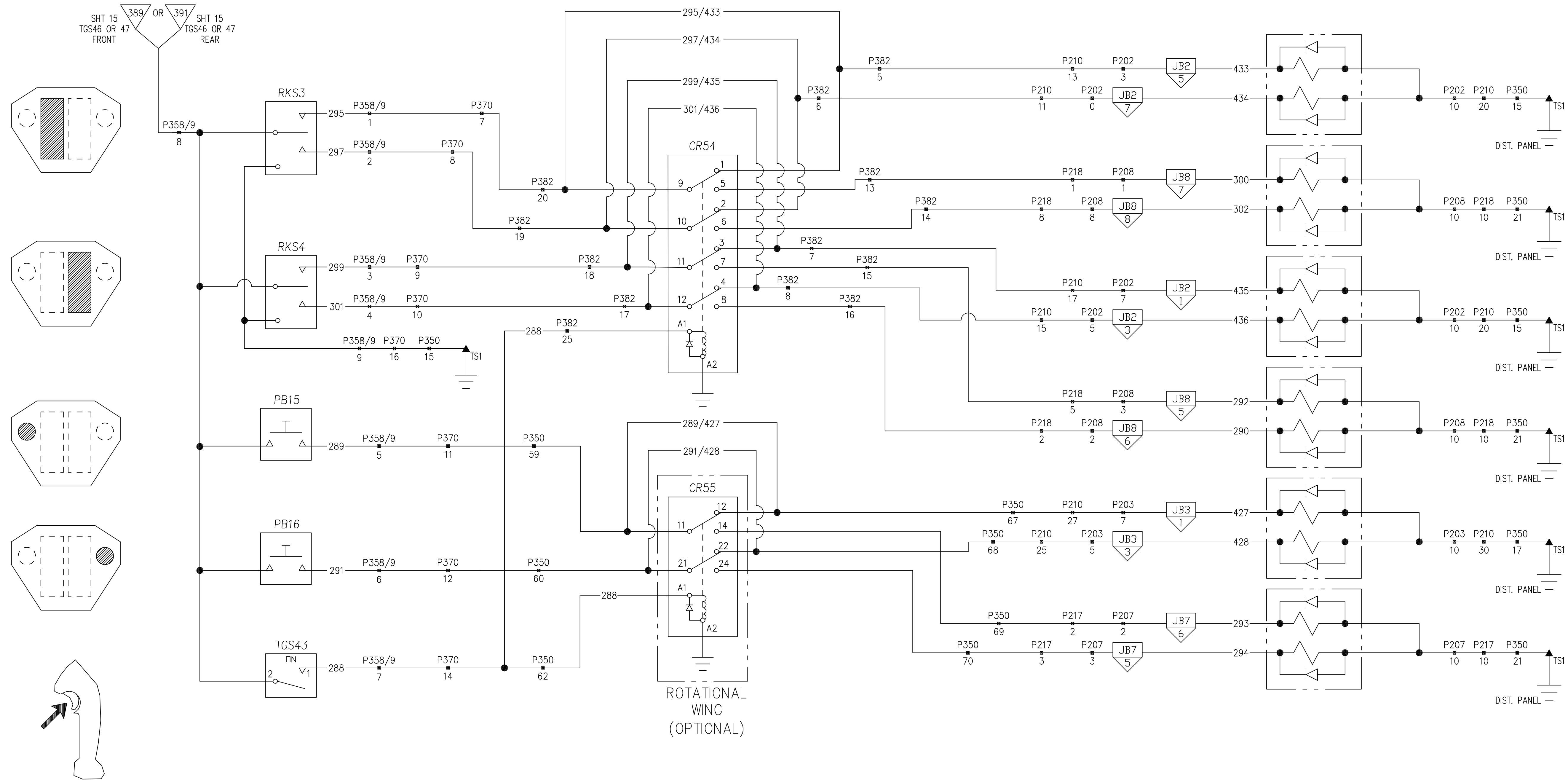
ARTICULATED
TEMPLATE
DOOR OPTION

NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 15.

REVISION HISTORY
LOCATED ON LAST
SHEET

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: SCHEMATIC, ELECTRICAL	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: NTS	DRAWING CODE NUMBER: 480142
PLANE ANGLES +/- 1°	ASSEMBLY: -	REV. B	
			SHEET 20A/22



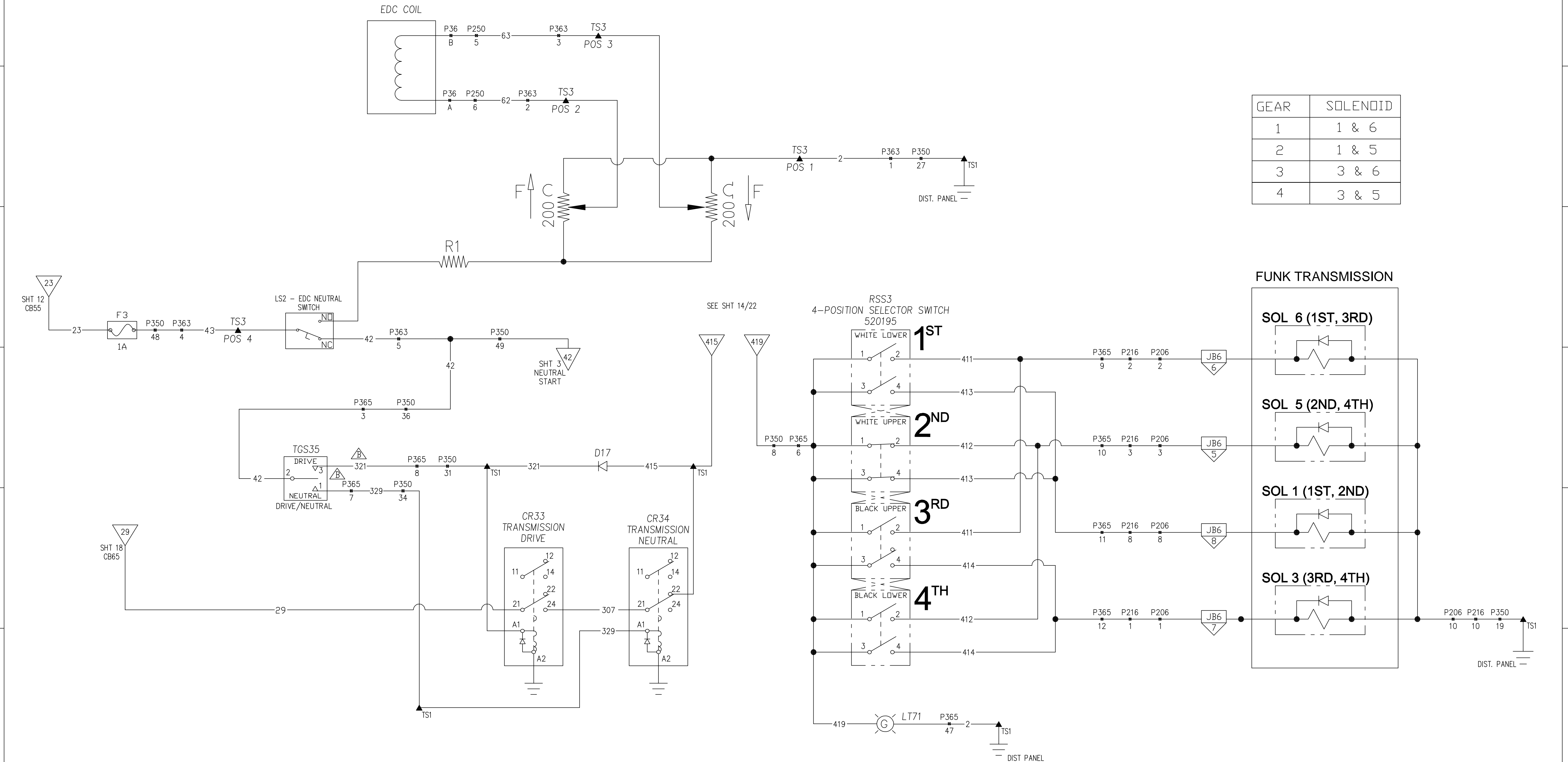
RH REAR TEMP DOOR
 RH REAR ARTIC.DOOR (OPTIONAL)
 RH FRONT TEMP DOOR
 RH FRONT ARTIC.DOOR (OPTIONAL)
 RH OUTER DOOR TILT
 RH OUTER DOOR ROTATE (OPTIONAL)

NOTE: FOR RIGHT HAND JOYSTICK BASE, SEE SHT 15.

REVISION HISTORY LOCATED ON LAST SHEET

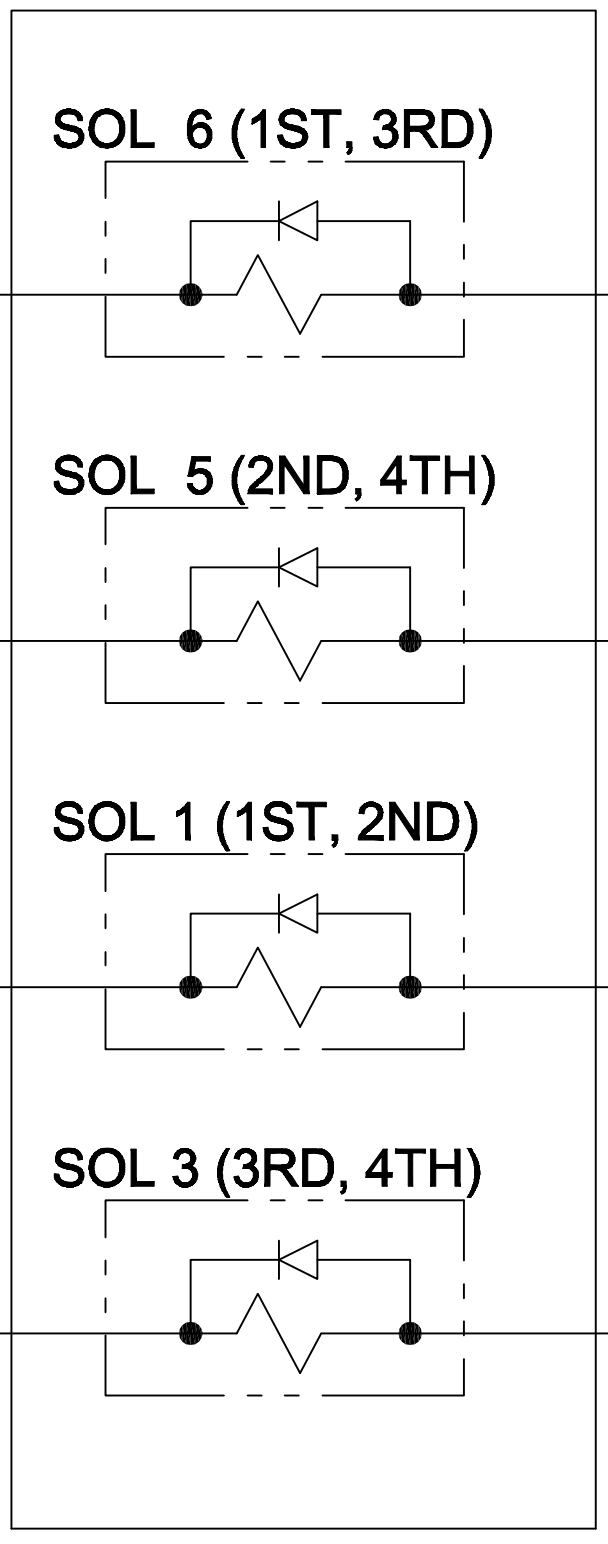
S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	REV.	REV.	
250 / MACHINE FINISH UNLESS OTHERWISE STATED		ASSEMBLY: -	SHEET 20B/21	
PLANE ANGLES +/- 1°				



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

FUNK TRANSMISSION



REVISION HISTORY LOCATED ON LAST SHEET

S/N 800304 & UP

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa Nordco		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	: 1/8	DESCRIPTION: SCHEMATIC, ELECTRICAL		
X	: .06	SIZE	SCALE	DRAWING CODE NUMBER
.XX	: .03	D	NTS	480142
.XXX	: .010	ASSEMBLY:	-	REV. B
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SHEET 21/22		
PLANE ANGLES +/- 1°				


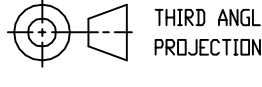
NO. 480142 SHEET NO. 22/22 ALL INFORMATION CONTAINED ON THIS DRAWING IS CONSIDERED TO BE BOTH CONFIDENTIAL AND PROPRIETARY BY NORDCO INC. NO USE OR REPRODUCTION THEREOF MAY BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NORDCO INC.

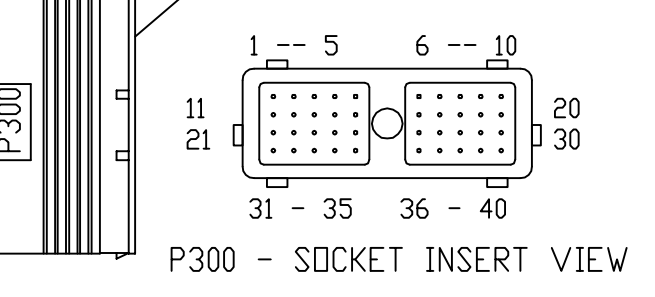
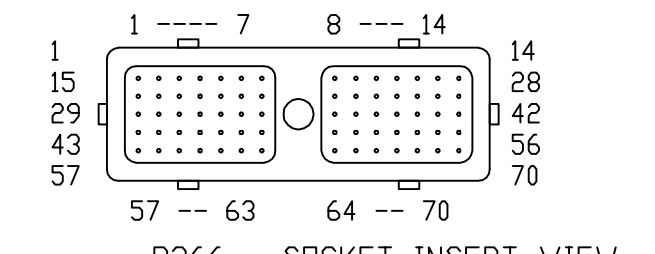
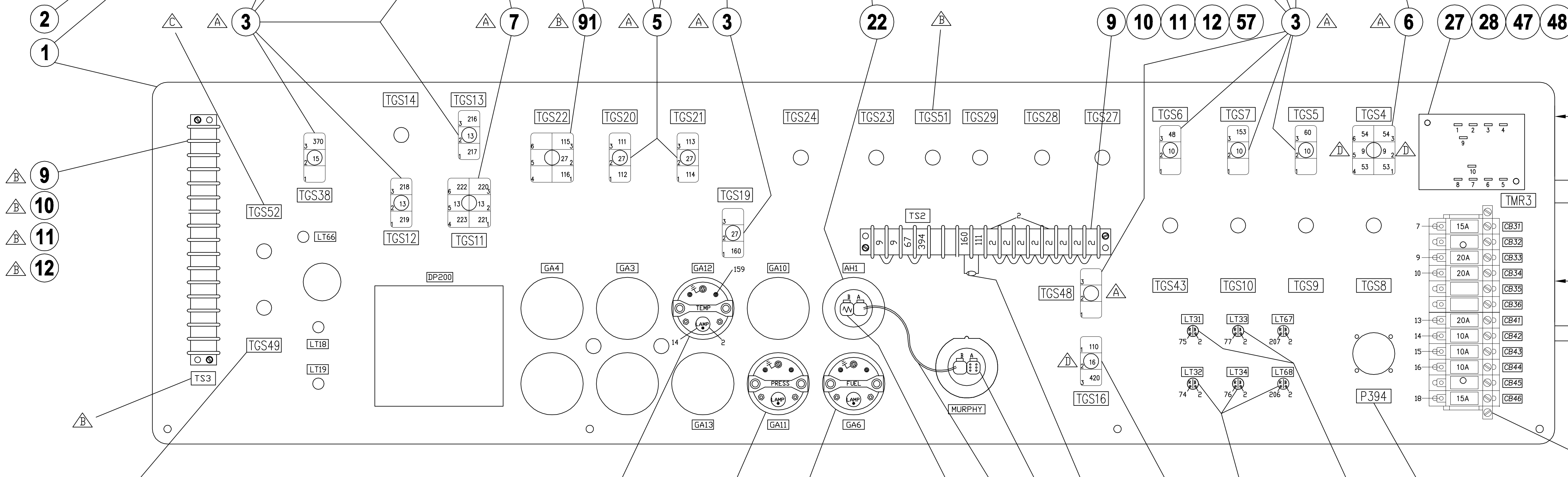
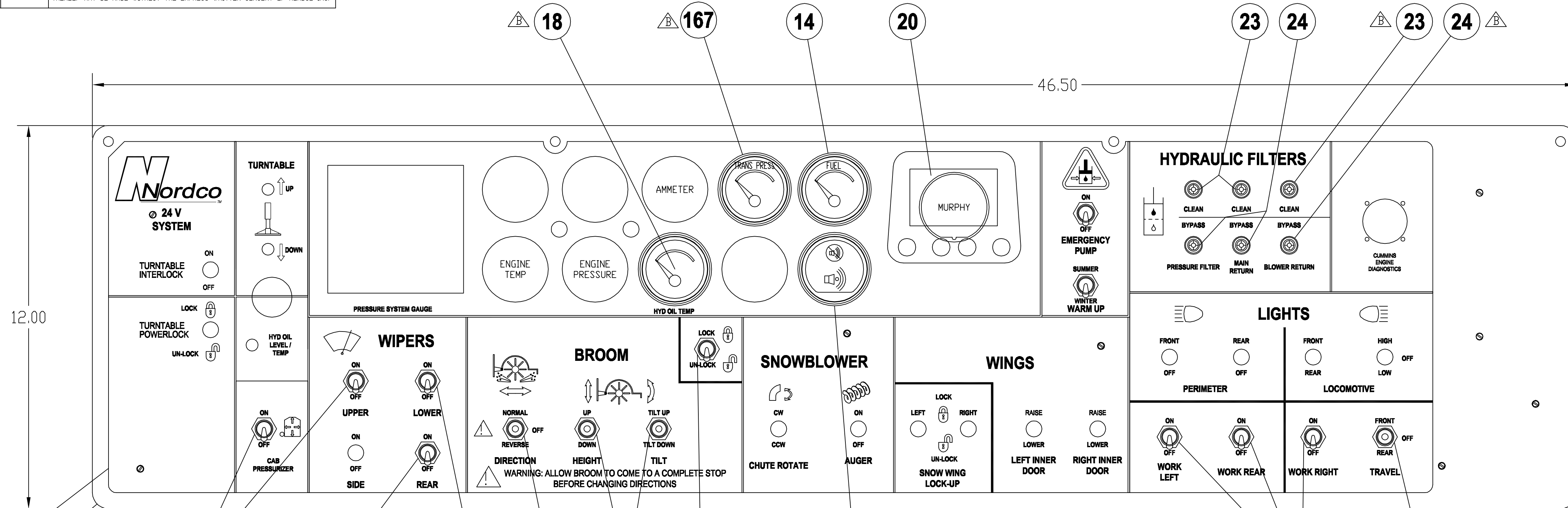
ECD	-	REV	-
DRAWN BY:	CP	CHECKED BY:	JW
	23-MAY-08		10-JUN-08
APPROVED BY:	MK		24-JUL-08
SHEET	CHANGE		
ALL	NEW ISSUE		

ECD	80050	REV	A
DRAWN BY:	CP	CHECKED BY:	JW
	08-DEC-08		19-DEC-08
APPROVED BY:			
SHEET	CHANGE		
2	CONNECTORS P392, P393, P394, P395 AND HARNESSSES 520311 & 520319 ADDED		
3	WIRES #3 & 277 ADDED WIRES #326 & 2 ADDED WITH SHOWN CONNECTIONS REPOSITION RSS2 FOR CUMMINS ENGINE OPTION CAB ESPAR HEATER & ENGINE DOME LIGHTS OPTIONS ADDED		
4B	ADDED P392 FOR ECU ADDED P393 OEM POWER P164 REVERSE PICTORIAL 2 & 4 PINS P394, ENGINE DIAGNOSTICS WAS P99 ADDED RKS ENGINE SPEED ADDED F14, 1A REMOVED P68, P69, P73, P75, P76, P98, CR17, F5, F6, F7, F9 AND WIRE 150 VARIOUS WIRES CHANGED		
5	P386 TO P389, A, B, C WAS 1, 2, 3		
9	ALTERNATOR CONNECTIONS SHOWN FOR BOTH JOHN DEERE AND CUMMINS ENGINES		
14	TT MONITOR OPTION, ADDED "GREEN" TO LT19 AND "RED" TO LT18 WIRE 395 WAS 215 HYD OIL MONITOR, P48 @ A AND P48 @ B REVERSED LS3 NOTE ADDED		
16	TURNTABLE LOCK OPTION ADDED		

ECD	80099	REV	B
DRAWN BY:	CP	CHECKED BY:	
	11-FEB-09		
APPROVED BY:			
SHEET	CHANGE		
3	PIN P360 @ 2 ADDED		
6A	WIRES 53 & 54 WERE REVERSED		
10	TGS16, 1 & 3 REVERSED		
21	TGS35, 1 & 3 REVERSED WIRE 321 WAS 32		

S/N 800304 & UP

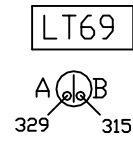
CUSTOMARY: ALL DIMENSIONS IN INCHES			 THIRD ANGLE PROJECTION
	PRODUCT: M7		
IMPLIED TOLERANCES	DESCRIPTION:		
FRACTION	SCHEMATIC, ELECTRICAL		
X	: 1/8	SIZE	SCALE
.XX	: .06	DRAWING CODE NUMBER	REV.
.XXX	: .03	480142	B
	: .010	ASSEMBLY: -	SHEET 22/22
250 / MACHINE FINISH UNLESS OTHERWISE STATED			
PLANE ANGLES +/- 1°			



FLIP DOWN VIEW

<p>△ TGS2 & P394 LABELS ADDED</p> <p>REMOVED ITEMS 16, 17, (1x) 7</p> <p>ADDED ITEMS (1x) 9, (1x) 10, (1x) 11, (1x) 12, 18, (1x) 23, (1x) 24, 29, 81, 87, 167 & 193</p> <p>TGS49, TGS51 AND T33 ADDED</p> <p>ITEM 91 WAS 6</p> <p>ADDED BALLOON FOR ITEM 5</p> <p>FLIPPED POSITIONS OF ITEMS 3, 4, 5, 6 & 7. ADDED (1x) ITEM 7. TGS23</p> <p>ADDED (1x) ITEM 3. TGS 46</p> <p>REMOVED ITEMS 88 & 89</p> <p>REMOVED TMR4, TMR5, LT29, LT30, LT35 & LT36</p>	<p>CP 27-OCT-08</p> <p>CP 22-APR-08</p> <p>AJB 17-SEP-07</p> <p>JWW 22-SEP-06</p>	<p>JW, 14-NOV-08</p> <p>JW 10-JUN-08</p> <p>MK 24-JUL-08</p> <p>CP 01-NOV-07</p> <p>CP 22-SEP-06</p>	<p>80050</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>CUSTOMARY: ALL DIMENSIONS IN INCHES</p> <p>IMPLIED TOLERANCES: FRACTION: 1/8, X: .03, .XX: .03, .XXX: .010</p> <p>250 MACHINE FINISH UNLESS OTHERWISE STATED</p> <p>PLANE ANGLES +/- 1°</p>	<p>Nordco Oshawa</p> <p>THIRD ANGLE PROJECTION</p> <p>PRODUCT: M7</p> <p>DESCRIPTION: ASSY, OH CONSOLE</p> <p>SIZE: D, SCALE: 1/2, DRAWING CODE NUMBER: 520207, REV: D</p>
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<p>△ TGS16, 1 & 3 REVERSED</p> <p>TGS4, 53 & 54 REVERSED</p>	<p>CP 11-FEB-09</p> <p>DATE: _____</p> <p>CHECKED BY: _____ DATE: _____</p> <p>APPROVED BY: _____ DATE: _____</p>	<p>80099</p> <p>DATE: _____</p> <p>DATE: _____</p> <p>DATE: _____</p>
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NO. 520207

SHEET NO. 2/3

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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	
Ⓐ	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
Ⓑ	6	5125 586	1 SWITCH, TOGGLE CH#8501K1 DPDT ON-OFF-ON	TGS4
Ⓑ Ⓐ	7	5125 579	1 SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS11
Ⓑ	9	7648 4503	2 TERMINAL STRIP CINCH #16-140 TB2	TS2, TS3
Ⓑ	10	2837 349	4 SCREW, RD. HD. MACHINE #6-32 x 3/4 LG	
Ⓑ	11	3048 028	4 NUT, HEX MACHINE SCREW #6-32	
Ⓑ	12	3064 452	4 WASHER, SPRING LOCK #6	
Ⓑ	14	7139-24V	1 GAUGE, FUEL LEVEL DATCON #101584	GA6
Ⓑ	16			
Ⓑ	17			
Ⓑ	18	500638	1 GAUGE, HYDRAULIC OIL TEMPERATURE DATCON #100181	GA12
20	521001	1	INSTRUMENT, MURPHY POWERVEIW PV100-A	MURPHY
21	520212	1	HARNESS, POWERVEIW JUMPER 12' LG, PVW-J MURPHY #78000122 OR EQUIV.	
22	520211	1	ALARM, MURPHY #PVAA20	AL1
Ⓑ	23	5190 921	3 LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33,67
Ⓑ	24	5190 918	3 LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34,68
Ⓑ Ⓐ	27	7055 506	1 TIMER, 0.1..10 S SAAC ERDI 323	TMR3
Ⓑ Ⓐ	28	2837 649	2 SCREW, RH HD MACHINE #10-24 x 1-1/4 LG	
31	2968 0018	1	DIODE, #1N5624	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.	
Ⓑ	59	520062	2 LIGHT ADAPTER 24V TO 12V DATCON @06290-00	GA6, GA12
80	520213	1	RESISTOR, TERMINATING MURPHY PVJR, #78000128	R7
Ⓑ	81	61200106	2 RESISTOR, 12 GA ADAPTER STEWART WARNER #829525-2D	GA10, GA11
Ⓑ	87	5150175	2 LAMP, BULB 24V BAYONET GE #1873	GA10, GA11
88				
89				
Ⓑ	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
Ⓑ	167	640063	1 GAUGE, TRANSMISSION PRESSURE STEWART WARNER #SWA 82136	GA12
185	5170 240	AR	CABLE TIES	
Ⓑ	193	G-173-24V	2 LIGHT KIT 24V CADEL #06294-00	GA6, GA12


Ⓐ	NO CHANGE THIS SHEET	CP 11-FEB-09	80099
Ⓐ	NO CHANGE THIS SHEET	CP 27-OCT-08	80050
Ⓑ	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, 27, 28, 59, 81, 87, 91, 167 & 193 ITEM 3, QTY 8 WAS 7 (ADDED TGS48) ITEM 7, QTY 2 WAS 1 REMOVED ITEMS 27, 28, 88 AND 89	CP 22-APR-08	-
Ⓑ	NEW ISSUE	AJB 17-SEP-07	-
Ⓑ	NEW ISSUE	JWW 22-SEP-06	-
MF	REV	CHANGE	CHECKED BY: DATE: APPROVED BY: DATE: E.C.D. #

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°



Oshawa

PRODUCT: M7

DESCRIPTION: ASSY, OH CONSOLE

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

THIRD ANGLE PROJECTION

ASSEMBLY: - SHEET 2/3

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	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

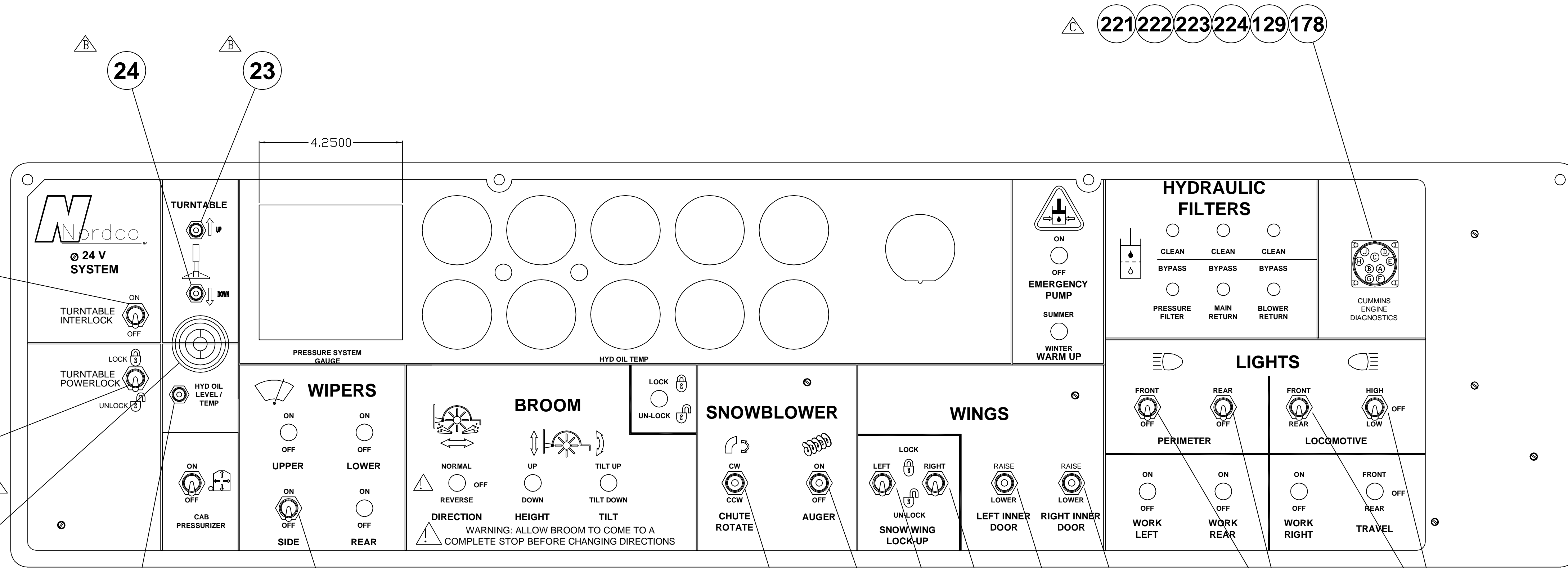
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG RED	CB44 - 16	P366 @ 21	16
14 AWG RED	P366 @ 27	TGS19 @ 2	27
16 AWG RED	TGS19 @ 2	TGS20 @ 2	27
16 AWG RED	TGS20 @ 2	TGS21 @ 2	27
16 AWG RED	TGS21 @ 2	TGS22 @ 2	27
16 AWG BLACK	TGS48 @ 1	P366 @ 5	27
16 AWG BLACK	GA6 @ S	P366 @ 17	40
16 AWG BLACK	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

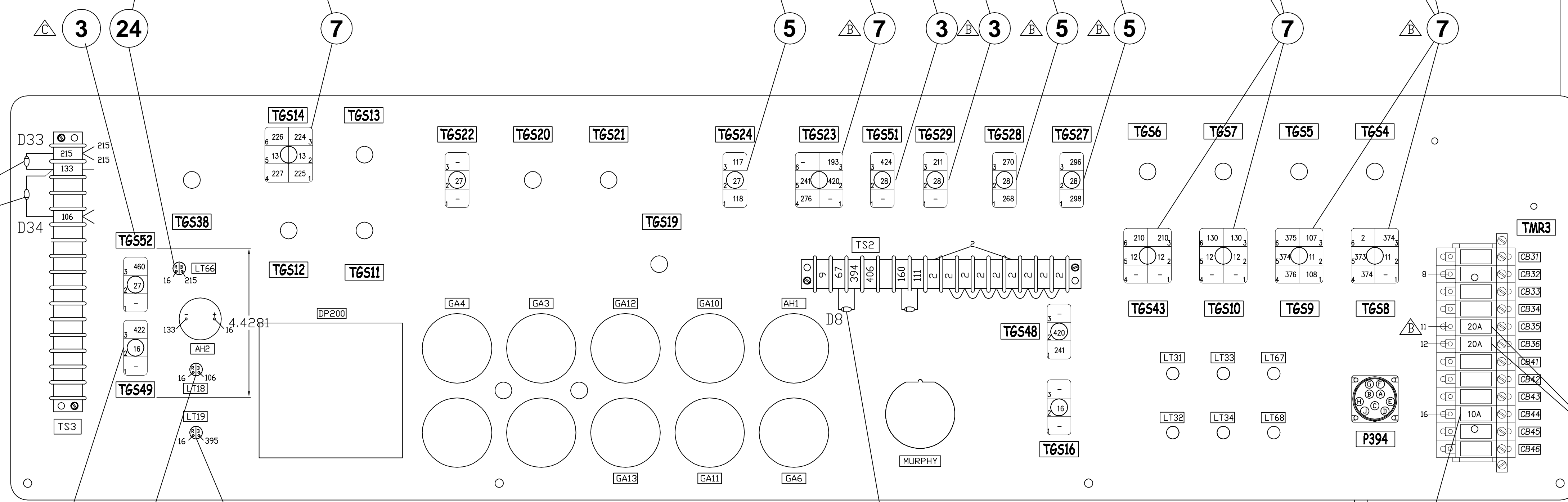
- NOTES:
- USE CABLE TIES, ITEM 185, AS REQUIRED.
 - ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS. MARKERS ARE TO BE APPLIED ON WIRE, NOT ON TERMINALS.
 - ALL WIRE SIZES AND CONNECTIONS TO BE PER WIRE CONNECTION LIST.
 - ROUTING OF THE WIRES TO ALLOW ACCESS TO INSIDE COMPONENTS AND FREE 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.
 - FOR CUSTOMER OPTIONS SEE DRAWING 520217.

WIRE 54 WAS WIRE 53 WIRE 53 WAS WIRE 54 WIRE 53, TGS4 # 1 WAS TGS4 # 3 WIRE 110, TGS16 # 1 WAS TGS16 # 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, C30 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	-	CUSTOMARY: ALL DIMENSIONS IN INCHES 	PRODUCT: M7 DESCRIPTION: ASSY, OH CONSOLE
P300 @ 23 WAS P300 @ 24, TGS6 @ 3 WAS TGS6 # 1 TGS4 # 4 WAS TGS4 @ 6, TGS4 # 1 WAS TGS4 # 3 TGS5 @ 3 WAS TGS5 @ 1, TGS5 @ 3 WAS TGS5 # 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, TGS7 # 1 WAS TGS7 # 3 TGS12 @ 3 WAS TGS12 # 1, TGS12 # 1 WAS TGS12 # 3 TGS11 @ 6 WAS TGS11 # 1, TGS11 # 1 WAS TGS11 # 3 TGS11 @ 4 WAS TGS11 # 4, TGS11 # 4 WAS TGS11 # 6 TGS38 @ 3 WAS TGS38 # 1, ADDED WIRES 420 & 276	AJB 17-SEP-07	-		
NEW ISSUE	JWW 22-SEP-06	CP, 22-SEP-06	250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE : D SCALE : 1/2 DRAWING CODE NUMBER : 520207 REV. : D
MF REV CHANGE	CHECKED BY: DATE:	E.C.D. #	ASSEMBLY: -	SHEET 3/3

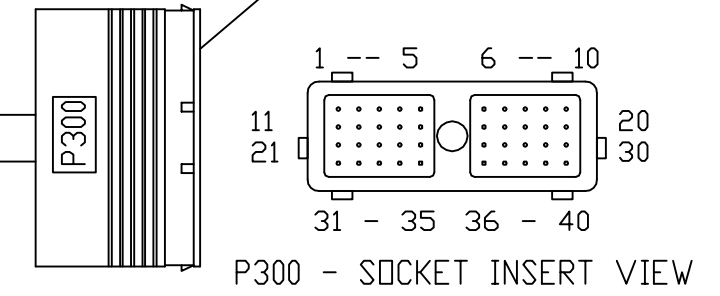
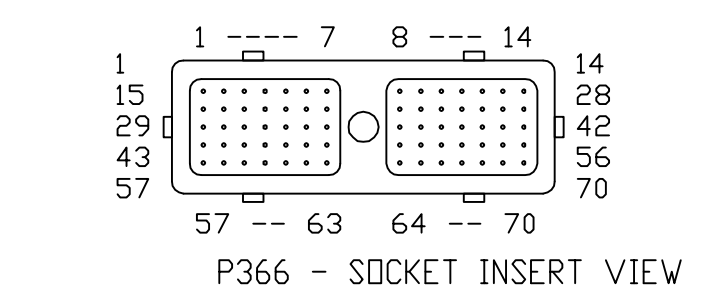


COLOR DETAIL

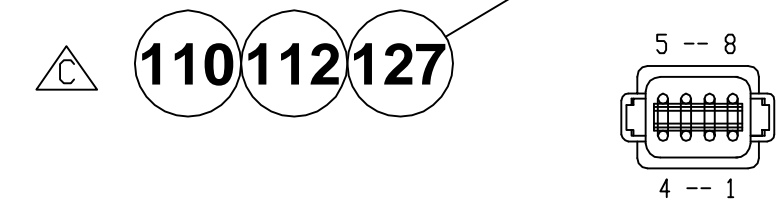
- WHITE OUTLINE .050" THICK, RED ON WHITE, WHITE LETTERING, .20" TALL ("STOP")
- WHITE OUTLINE ON LARGE "N" .020" THICK, RED "N" ON WHITE BACKGROUND, WHITE UNDERLINE, WHITE LETTERING - "Nordco", .50" TALL "M" .075" TALL
- WHITE OUTLINE .020" THICK, RED ON WHITE BACKGROUND
- WARNING**
TURN HYDRAULIC PUMP 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




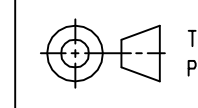
CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		DESCRIPTION: DRAWING, OH CONSOLE MODS		
FRACTION	: 1/8	SIZE	SCALE	DRAWING CODE NUMBER
X	: .06	D	1/2	520217
.XX	: .03	REV.		C
.XXX	: .010	ASSEMBLY:		SHEET 1/14
250 / MACHINE FINISH UNLESS OTHERWISE STATED		REVISION HISTORY LOCATED ON LAST SHEET		
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.

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

REVISION HISTORY
LOCATED ON LAST
SHEET

NO. 520217 SHEET NO. 3/14 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.

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

REVISION HISTORY LOCATED ON LAST SHEET

NO. 520217 SHEET NO. 4/14 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.

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 <input checked="" type="checkbox"/>	COMPONENT SUBTRACT <input type="checkbox"/>	PANEL MOD <input type="checkbox"/>	WIRE ADD <input checked="" type="checkbox"/>	WIRE SUBTRACT <input type="checkbox"/>
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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 <input checked="" type="checkbox"/>	COMPONENT SUBTRACT <input type="checkbox"/>	PANEL MOD <input type="checkbox"/>	WIRE ADD <input checked="" type="checkbox"/>	WIRE SUBTRACT <input type="checkbox"/>
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CUSTOMARY: ALL DIMENSIONS IN INCHES	 Nordco	Oshawa		THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7		
FRACTION	± 1/8	DESCRIPTION: DRAWING, OH CONSOLE MODS		
X	± .06			
.XX	± .03			
.XXX	± .010			
250 / MACHINE FINISH UNLESS OTHERWISE STATED		SIZE	SCALE	DRAWING CODE NUMBER
		D	1/2	520217
PLANE ANGLES +/- .1°		ASSEMBLY: -	SHEET 4/14	

REVISION HISTORY LOCATED ON LAST SHEET

NO. 520217 SHEET NO. 5/14 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.

520207 M06 TACHOMETER GAUGE

COMPONENT
ADD


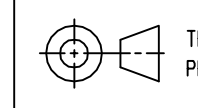
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

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	 <i>Oshawa</i>	
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	DESCRIPTION: DRAWING, OH CONSOLE MODS	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: 1/2
PLANE ANGLES +/- .1°	ASSEMBLY: -	DRAWING CODE NUMBER: 520217
		REV. C
		SHEET 5/14

REVISION HISTORY LOCATED ON LAST SHEET

NO. 520217	SHEET NO. 6/14	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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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			
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	 Nordco	 THIRD ANGLE PROJECTION	Oshawa PRODUCT: M7
IMPLIED TOLERANCES	DESCRIPTION: DRAWING, OH CONSOLE MODS		
FRACTION : 1/8 X : .06 XX : .03 .XXX : .010	SIZE	SCALE	DRAWING CODE NUMBER
250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	1/2	520217
PLANE ANGLES +/- 1°	ASSEMBLY: -	SHEET 6/14	

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


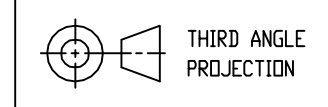
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
6	5125 586	1	SWITCH, TOGGLE CH#8501K4 DPDT ON-OFF-ON	TGS8
7	5125 579	1	SWITCH, TOGGLE CH#8501K4 DPDT ON-ON	TGS9
38	5128 937	1	CIRCUIT BREAKER 20A ETA #1170-02-20A	CB36
127	5166 797	3	PIN, 16 GA DEUTSCH #0460-202-16141	

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	 Nordco Oshawa	
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	DESCRIPTION: DRAWING, OH CONSOLE MODS	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: 1/2
PLANE ANGLES +/- 1°	ASSEMBLY: -	DRAWING CODE NUMBER: 520217
		REV. C
		SHEET 7/14

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


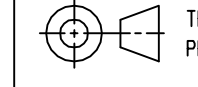
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
23	5190 921	1	LAMP, GREEN LED DATA DISPLAY PMRL200W-BG24H	LT31,33
24	5190 918	1	LAMP, RED LED DATA DISPLAY PMRL200W-R6K24H	LT32,34
127	5166 797	2	PIN, 16 GA DEUTSCH #0460-202-16141	

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

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


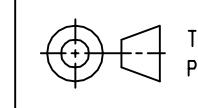
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
3	5125 587	2	SWITCH, TOGGLE CH#8500K4 SPDT ON-ON	TGS29, TGS51
127	5166 797	3	PIN, 16 GA DEUTSCH #0460-202-16141	

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

REVISION HISTORY
LOCATED ON LAST
SHEET

520207 M16

SNOW CHUTE ROTATE / TILTABLE S.D.

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


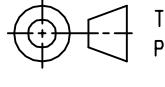
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION

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	 <i>Oshawa</i>	
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	DESCRIPTION: DRAWING, OH CONSOLE MODS	
250 / MACHINE FINISH UNLESS OTHERWISE STATED	SIZE: D	SCALE: 1/2
PLANE ANGLES +/- 1°	ASSEMBLY: -	DRAWING CODE NUMBER: 520217
		REV. C
		SHEET 10/14

REVISION HISTORY
LOCATED ON LAST
SHEET

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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	 Nordco	Oshawa	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES		PRODUCT: M7	
FRACTION		DESCRIPTION:	
.X	: 1/8	DRAWING, OH CONSOLE MODS	
.XX	: .06		
.XXX	: .03		
	: .010	SIZE	SCALE
250 / MACHINE FINISH UNLESS OTHERWISE STATED		D	1/2
PLANE ANGLES +/- .1°		ASSEMBLY: -	DRAWING CODE NUMBER
			520217
			REV. C
			SHEET 11/14

REVISION HISTORY LOCATED ON LAST SHEET

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


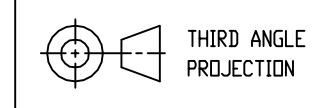
WIRE
ADD

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 <input checked="" type="checkbox"/>	COMPONENT SUBTRACT <input type="checkbox"/>	PANEL MOD <input type="checkbox"/>	WIRE ADD <input checked="" type="checkbox"/>	WIRE SUBTRACT <input type="checkbox"/>
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REVISION HISTORY LOCATED ON LAST SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES	 Oshawa	
IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: DRAWING, OH CONSOLE MODS
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	SIZE: D	SCALE: 1/2
250 / MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -	DRAWING CODE NUMBER: 520217
PLANE ANGLES +/- 1°	REV.:	SHEET 12/14

520207 M22

CUMMINS ENGINE DIAGNOSTIC PLUG

COMPONENT
ADD

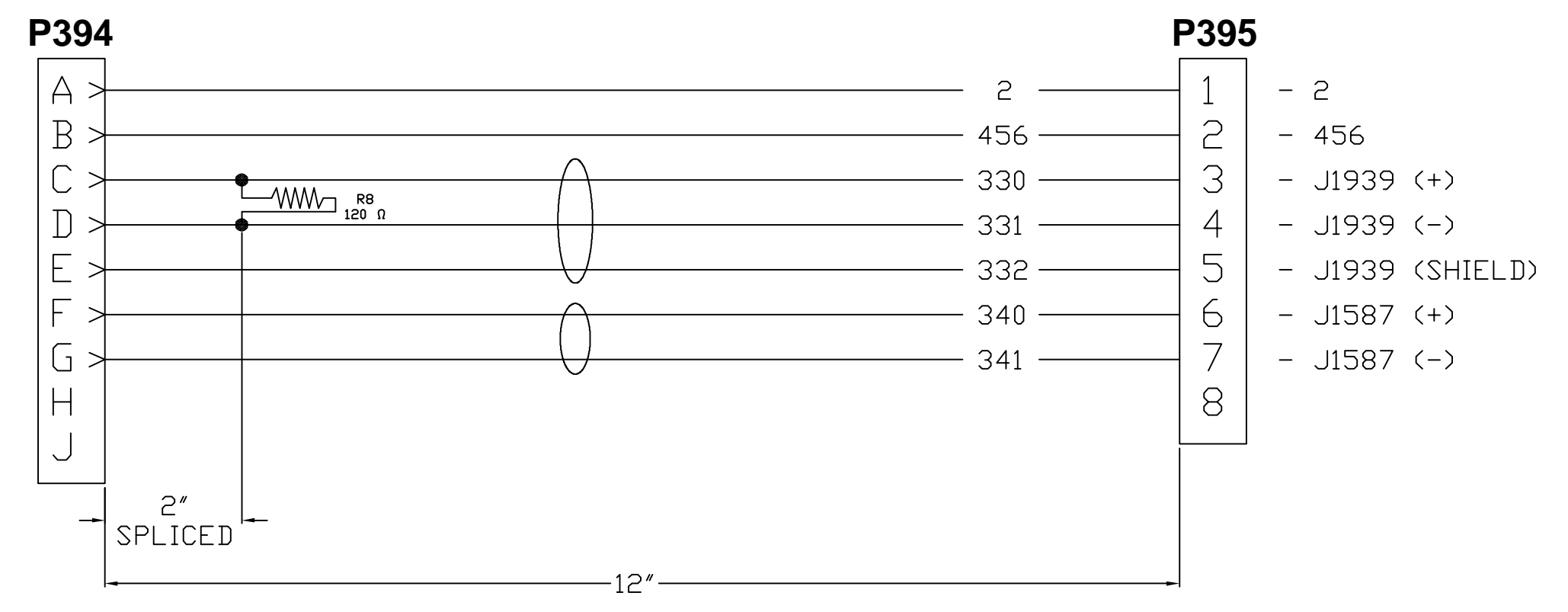
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
178	5166809	1	RECEPTACLE, SQ FLANGE 9 PIN, DEUTSCH #HD10-9-1939P	P394
129	5166796	AR	SOCKET, 14-16 GA DEUTSCH #0462-209-16141	-
221	2837225	4	SCREW, MACH #4-40 x 1-1/4 RD HD	-
222	3048022	4	NUT HEX, #4-40	-
223	3060451	4	WASHER, 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	Nordco Oshawa	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	DESCRIPTION: DRAWING, OH CONSOLE MODS
FRACTION: 1/8, .06, .03, .010	SIZE: D	SCALE: 1/2
250 MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -	DRAWING CODE NUMBER: 520217
PLANE ANGLES +/- .1°		REV. C
		SHEET 13/14

REVISION HISTORY LOCATED ON LAST SHEET

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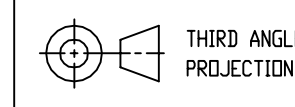
ECO	REV	DATE	DESCRIPTION
-	-	-	-
JW	1	18-OCT-06	ALL NEW ISSUE

ECO	REV	DATE	DESCRIPTION
-	-	-	-
AJB	1	21-SEP-07	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		S20207M02: TGS1483 WAS TGS1481, TGS1481 WAS TGS1482, TGS1486 WAS TGS1484, TGS1484 WAS TGS1486
	4		S20207M03: TGS1086 WAS TGS1084, TGS1083 WAS TGS1081
	7		TGS4386 WAS TGS4384, TGS4383 WAS TGS4381, TGS1083 WAS TGS1081, TGS4383 WAS TGS4381
	10		S20207M16: TGS2483 WAS TGS2481, TGS2481 WAS TGS2482
	11		S20207M18: TGS2383 WAS TGS2381, REMOVED ITEM 3 (TGS23)
	13		THIS SHEET ADDED

ECO	REV	DATE	DESCRIPTION
-	-	-	-
CP	1	20-MAY-08	REPOSITIONED ITEMS 23 & 24, ADDED ITEM 3 (2x), ITEM 5 (2x), ITEM 7 (2x), ITEM 31 (2x), ITEM 35 (1x), ITEM 36 (1x) & ITEM 194 (1x)
	2		REMOVED S20207M01
	3		S20207M03: ITEMS 31 & 194 ADDED, VARIOUS WIRES AND END LOCATIONS CHANGED
	4		NOTE ADDED, S20207M04: ITEMS 5 & 127 ADDED, VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED
	4		S20207M05: ITEMS 23, 24, 31, 35, 127 & 194 ADDED, VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED
	5		S20207M07: REMOVED, TO BE USE AS STANDARD
	7		S20207M11: ITEM #6 ADDED, ITEM #7, QTY 1 WAS 2, DESIGNATION TGS9 WAS TGS 10, 43, VARIOUS WIRES, WIRE DESCRIPTION, AND END LOCATIONS CHANGED
	9		S20207M15: ITEM 3 ADDED, ITEMS 23 & 24 REMOVED, ITEM 127, QTY 3 WAS 2, VARIOUS WIRES, WIRE DESCRIPTION AND END LOCATIONS CHANGED
	11		S20207M18: ITEM 7 ADDED, ITEM 127, QTY 2 WAS 1, WIRE #27 REMOVED, WIRES 241, 276 & 420 ADDED
	12		S20207M21: ADDED

ECO	REV	DATE	DESCRIPTION
-	-	-	-
CP	1	09-OCT-08	ITEM 23, WIRE 395 WAS 215, ADDED ITEM 3 (1x), ADDED ITEMS 110, 112, 127, 129, 178, 221, 222, 223 & 224
	4		S20207M05: P366859 WAS P366860, WIRE 395 WAS 215, P366860 WAS P366859
	13		THIS SHEET ADDED FOR S20207M22 & M23

REVISION HISTORY LOCATED ON THIS SHEET

CUSTOMARY: ALL DIMENSIONS IN INCHES		 Oshawa		 THIRD ANGLE PROJECTION	
IMPLIED TOLERANCES		PRODUCT: M7			
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010		DESCRIPTION: DRAWING, OH CONSOLE MODS			
<input checked="" type="checkbox"/> 250 / MACHINE FINISH UNLESS OTHERWISE STATED PLANE ANGLES +/- 1°		SIZE: D	SCALE: 1/2	DRAWING CODE NUMBER: 520217	REV: C
ASSEMBLY: -		SHEET 14/14			

41 43 46 47 48

41 45 46 47 48

65 97

61 64 60

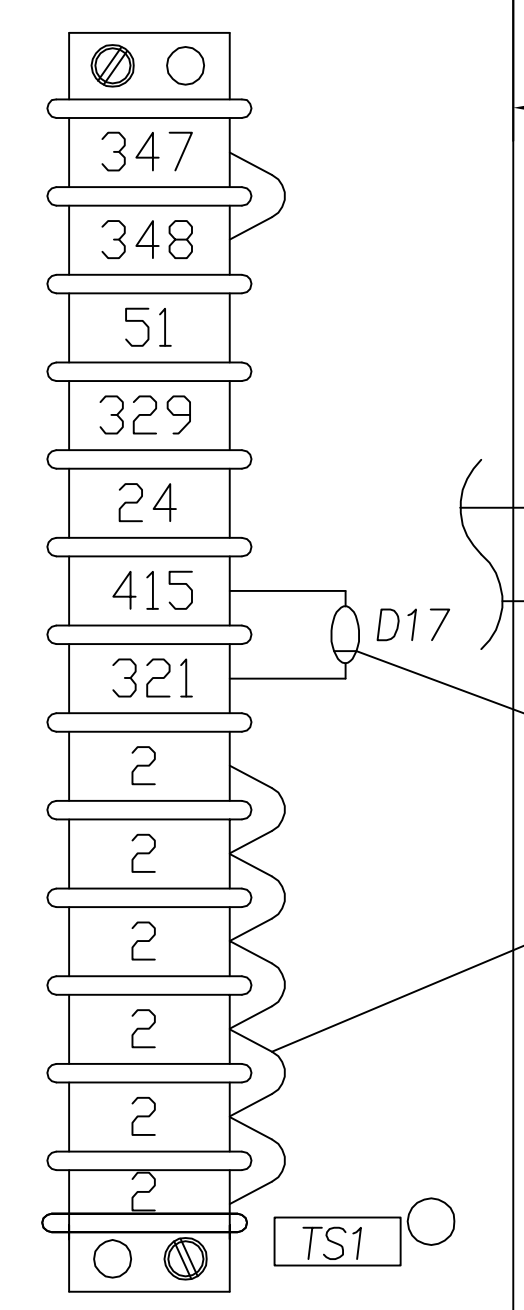
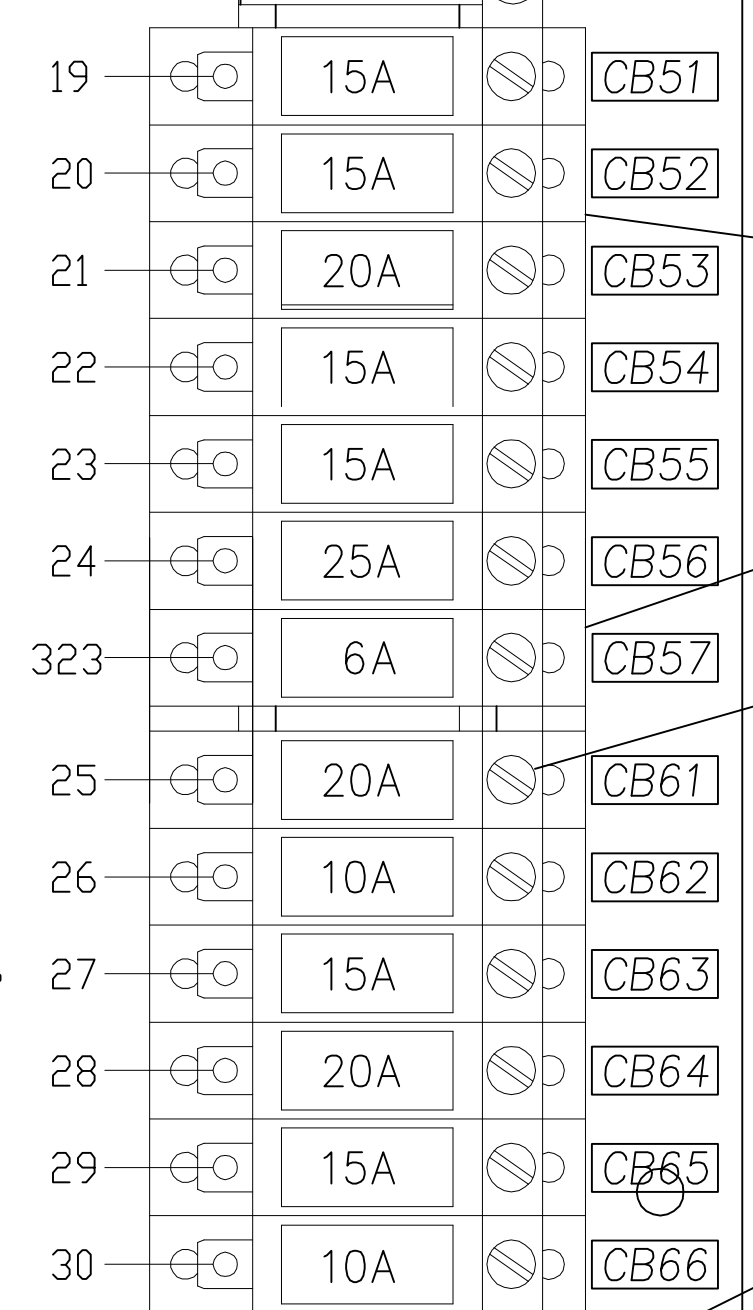
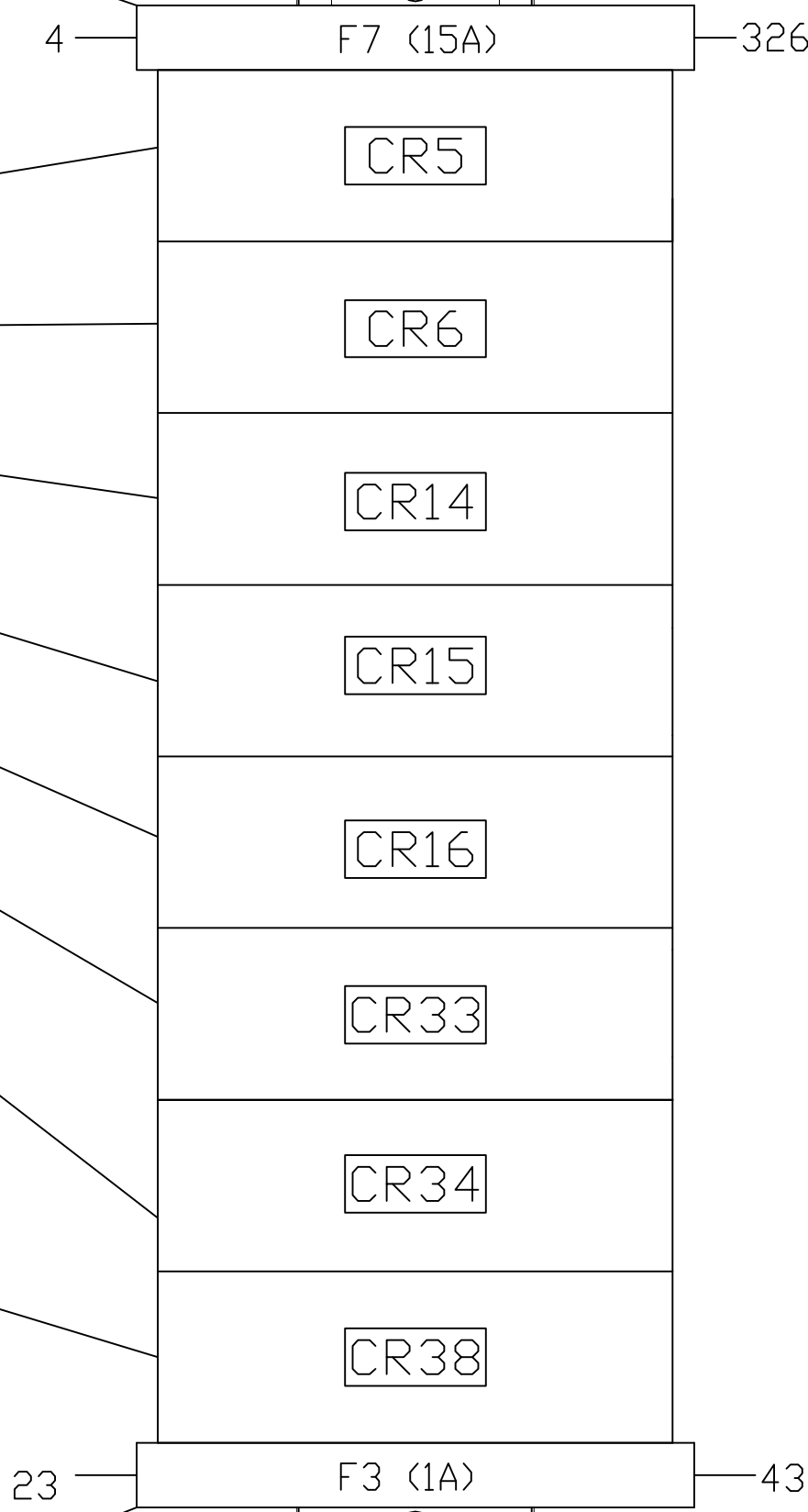
61 64 198

65 66

(19.88)

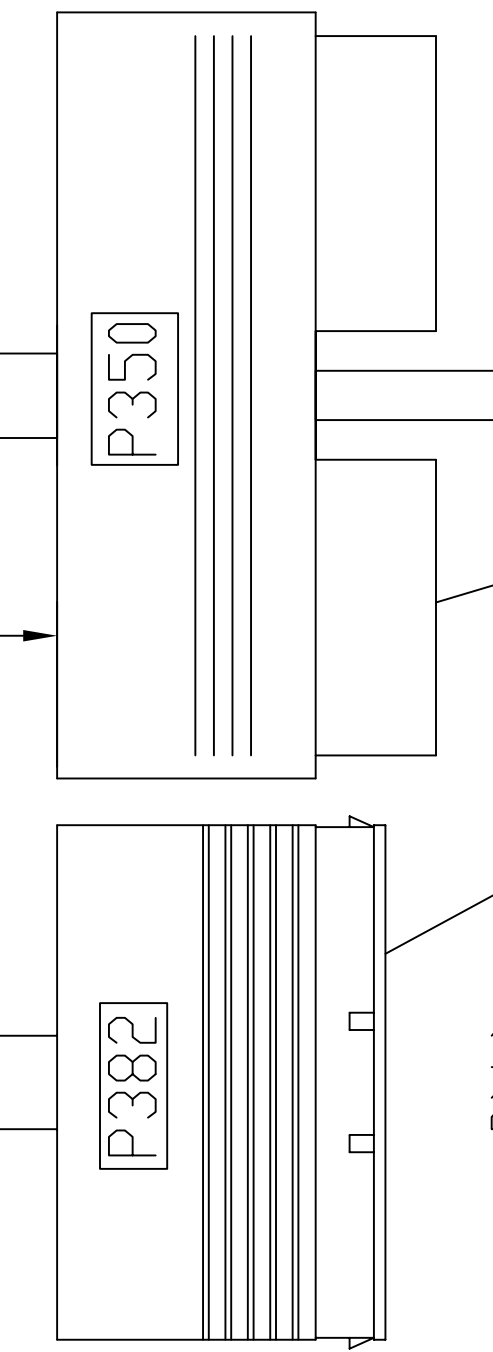
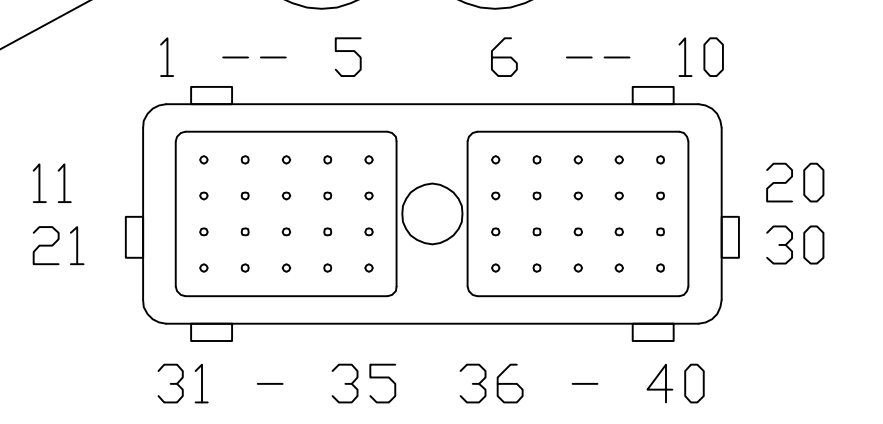
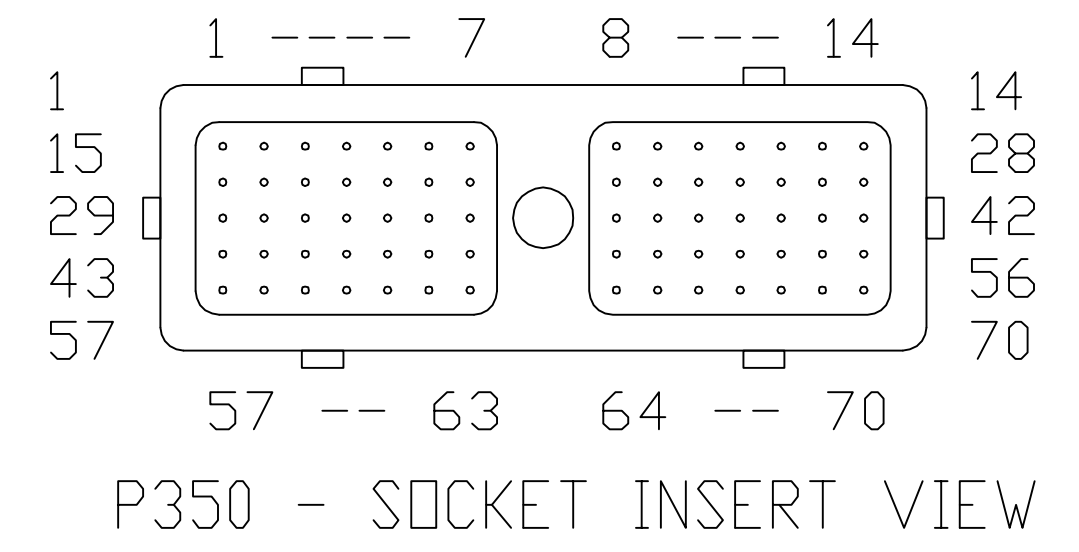
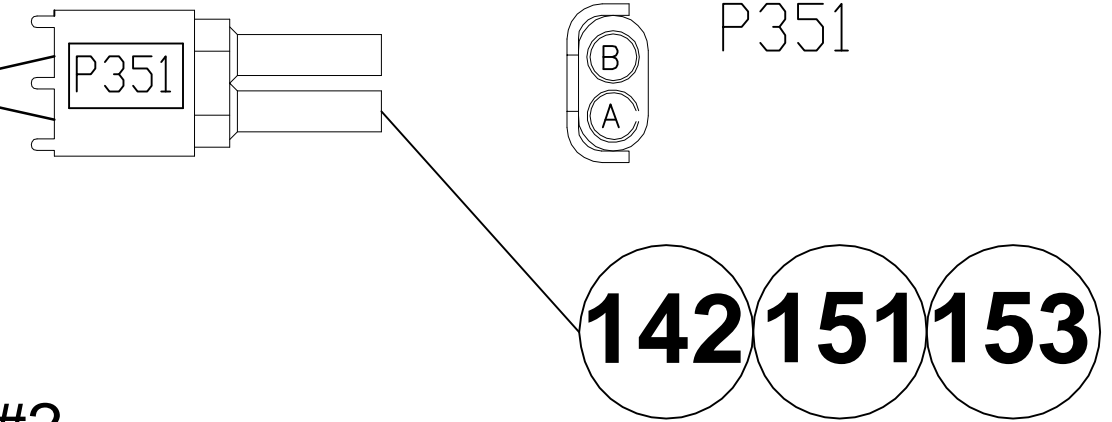
(10.50)

NOTES
1. 7 POSITION REQUIRED
2. 8 POSITION REQUIRED



ITEM 51: SEE NOTE #2

ITEM 51: SEE NOTE #1



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	ASSEMBLY:		REV. A
.XXX	: .010			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:	APPROVED BY: 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	
△ ITEM 60, QTY 7 WAS 8 ITEM 65, QTY 2 WAS 1 ITEMS 97 & 198 ADDED	CP 03-DEC-08	80050	SIZE SCALE DRAWING CODE NUMBER REV.
△ NEW ISSUE	CP 09-MAY-08	-	250 / MACHINE FINISH UNLESS OTHERWISE STATED
MF REV CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.D. # PLANE ANGLES +/- 1° ASSEMBLY: - SHEET 2/3

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



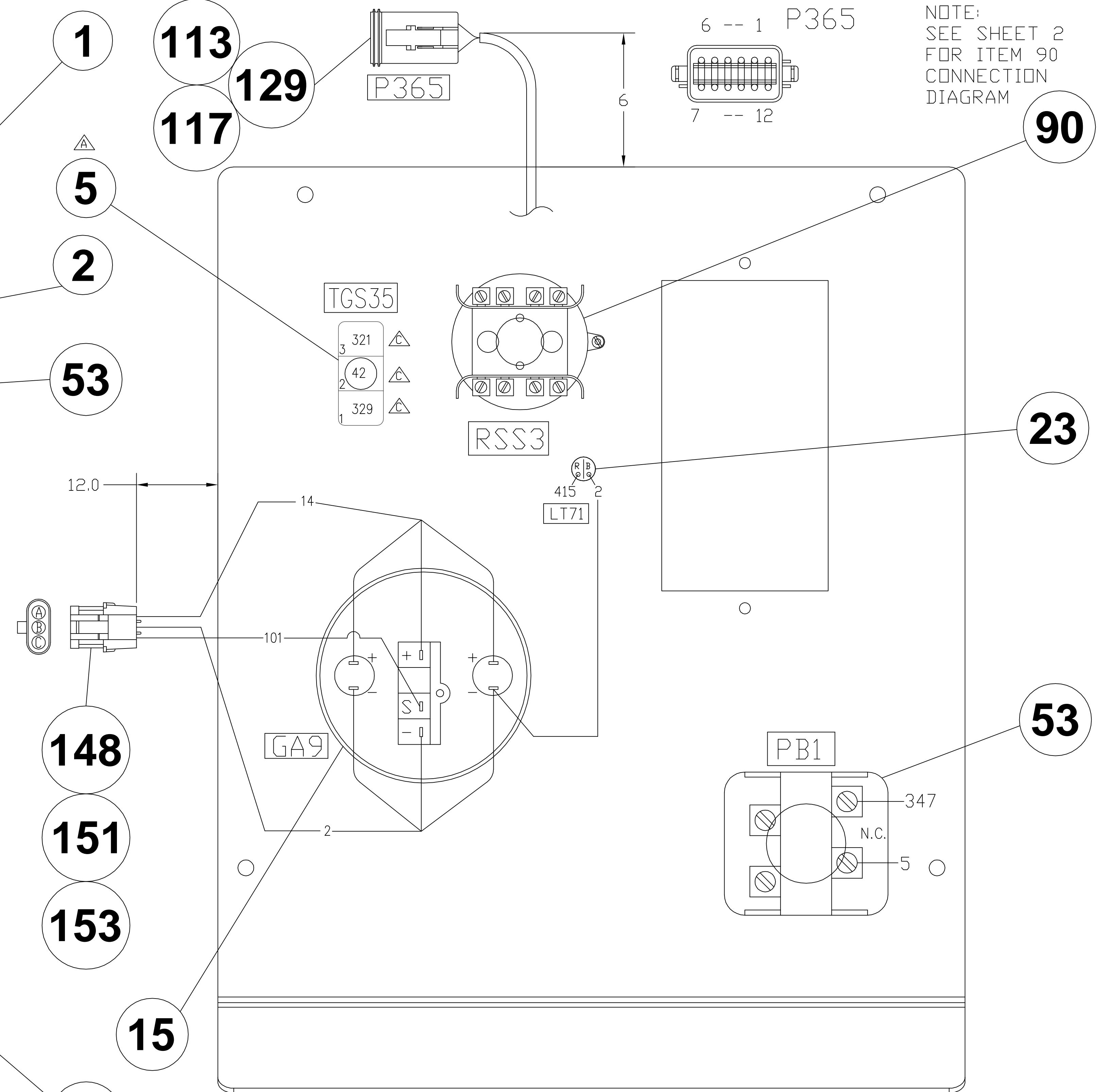
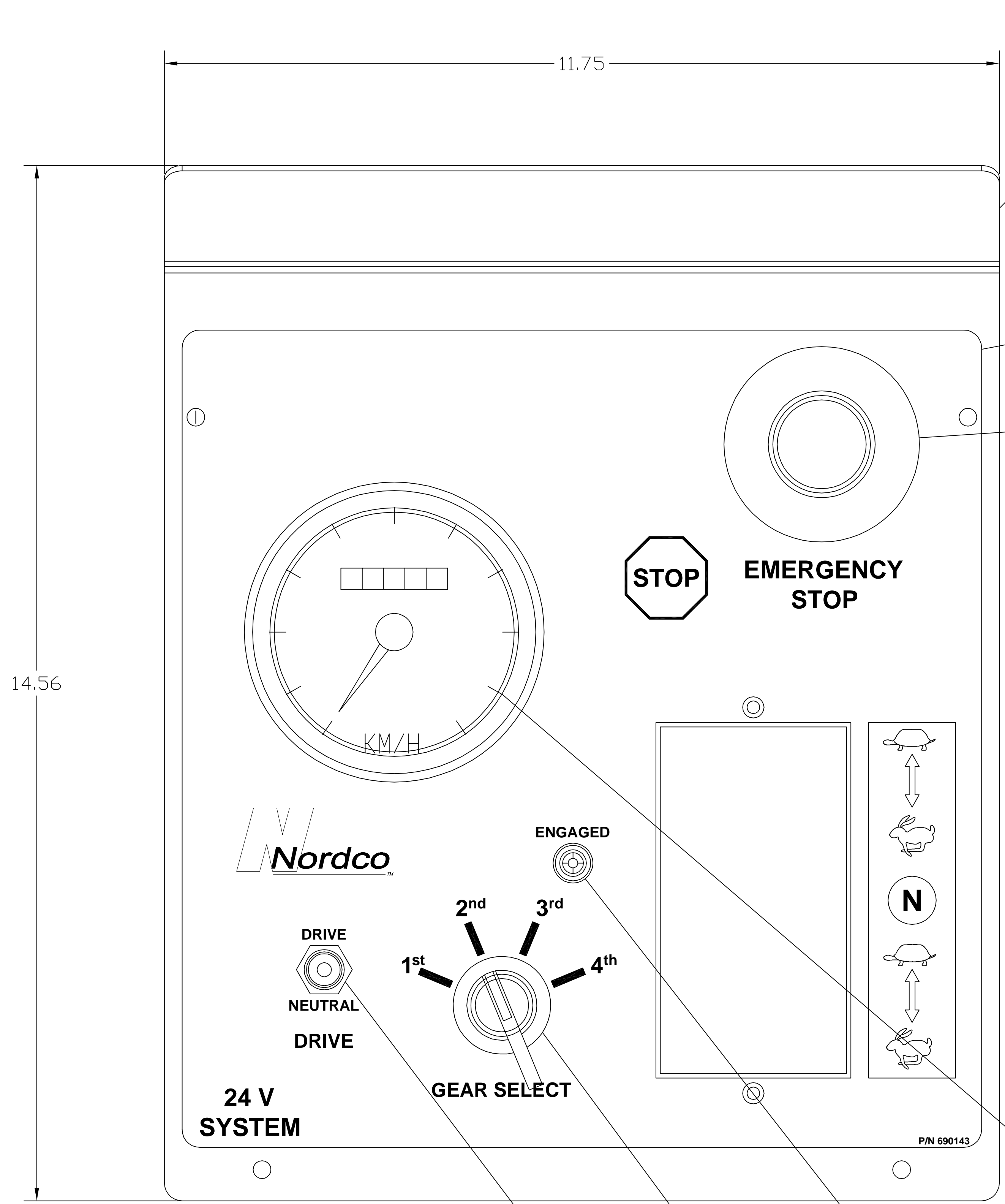
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG BLACK	CR5 @ 22	TS1 - 51	51
16 AWG BLACK	TS1 - 51	P382 @ 28	51
16 AWG BLACK	P350 @ 22	CR16 @ A1	80
16 AWG BLACK	P350 @ 23	CR15 @ A1	81
16 AWG BLACK	CR15 @ 22	P350 @ 24	84
16 AWG BLACK	CR16 @ 22	CR14 @ 21	168
16 AWG BLACK	CR38 @ A1	P350 @ 7	196
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	Oshawa THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7
FRACTION X : 1/8 XX : .06 .XXX : .03 : .010	DESCRIPTION: ASSY, CC LEFT PANEL
SIZE	SCALE
D	1:1
DRAWING CODE NUMBER	REV.
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	-
250 / MACHINE FINISH UNLESS OTHERWISE STATED		
DATE: DATE:	DATE: DATE:	E.C.D. #



NOTE:
SEE SHEET 2
FOR ITEM 90
CONNECTION
DIAGRAM

FLIP DOWN VIEW

5 90 23

<p>TGS35, WIRE NUMBERS REARRANGED (321 WAS 329, 42 WAS 321 AND 329 WAS 42)</p>		CP	10-FEB-09	80099	<p>CUSTOMARY: ALL DIMENSIONS IN INCHES</p>		<p>Oshawa Nordco THIRD ANGLE PROJECTION</p>		
<p>NO CHANGE THIS SHEET</p>		CP	JW, 10-JUN-08 MK, 24-JUL-08	-	<p>IMPLIED TOLERANCES</p>		<p>PRODUCT: M7</p>		
<p>FLIPED 329 & 42 ON ITEM 5</p>		AJB	CP, 05-OCT-07	-	FRACTION	<p>DESCRIPTION: ASSY, CC UPPER PANEL</p>			
<p>NEW ISSUE</p>		JWW	CP, 22-SEP-06	-	X : 1/8 XX : .06 .XXX : .010	SIZE	SCALE	DRAWING CODE NUMBER	
MF	REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.D. #	250 / MACHINE FINISH UNLESS OTHERWISE STATED	D	1:1	520214
						PLANE ANGLES +/- 1°	ASSEMBLY: -		SHEET 1/2

CONNECTION LIST

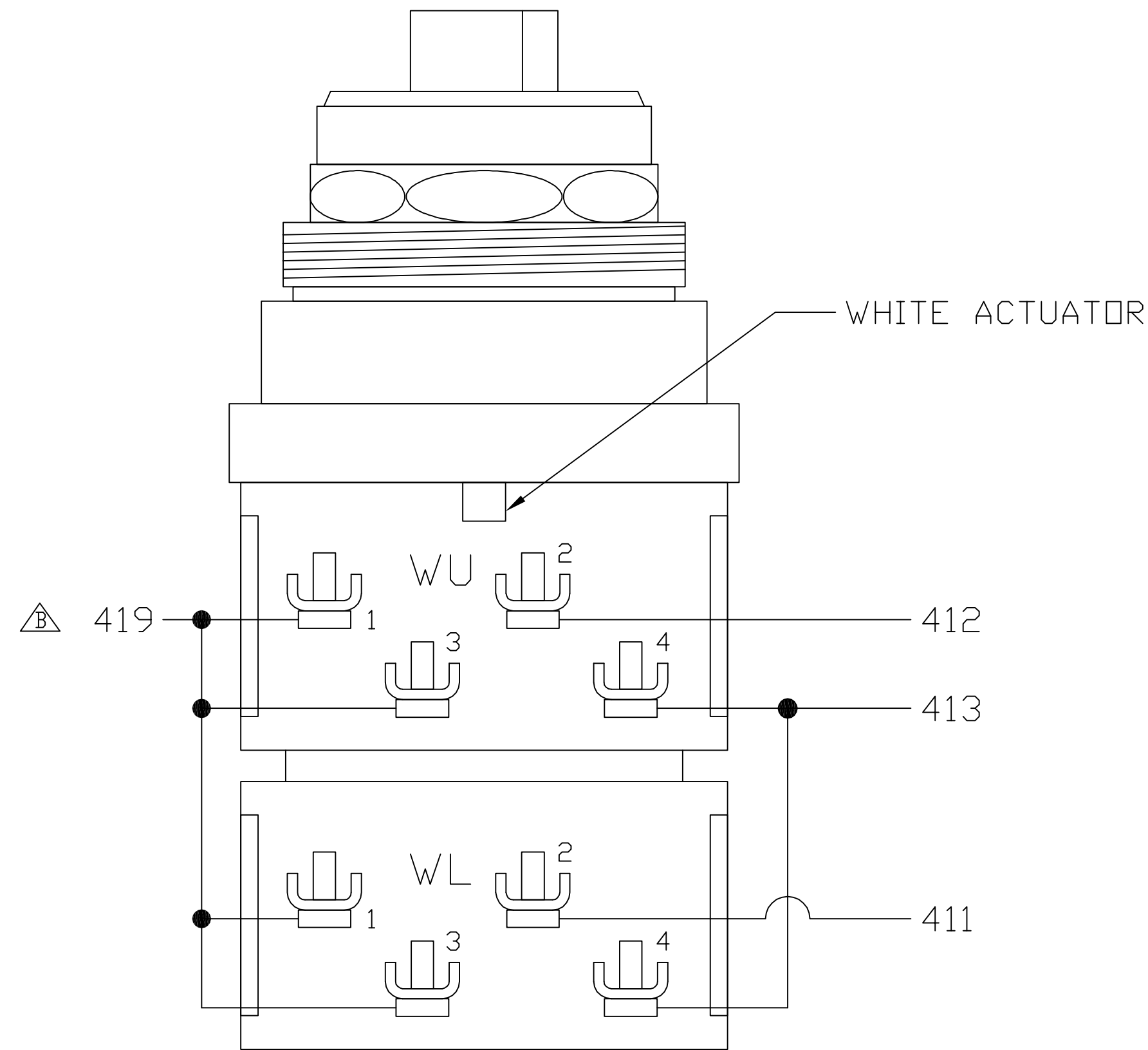
WIRE DESCRIPTION	END 1 LOCATION	END 2 LOCATION	WIRE #
16 AWG GREEN	P371 @ 2	GA9 @ -	2
16 AWG GREEN	GA9 @ -	GA9 @ LT-	2
16 AWG GREEN	GA9 @ LT-	GA9 @ LT-	2
16 AWG GREEN	GA9 @ LT-	LT71 @ -	2
16 AWG RED	P365 @ 1	PB1 - 5	5
16 AWG RED	P371 @ 1	GA9 @ +	14
16 AWG RED	GA9 @ +	GA9 @ LT+	14
16 AWG RED	GA9 @ LT+	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

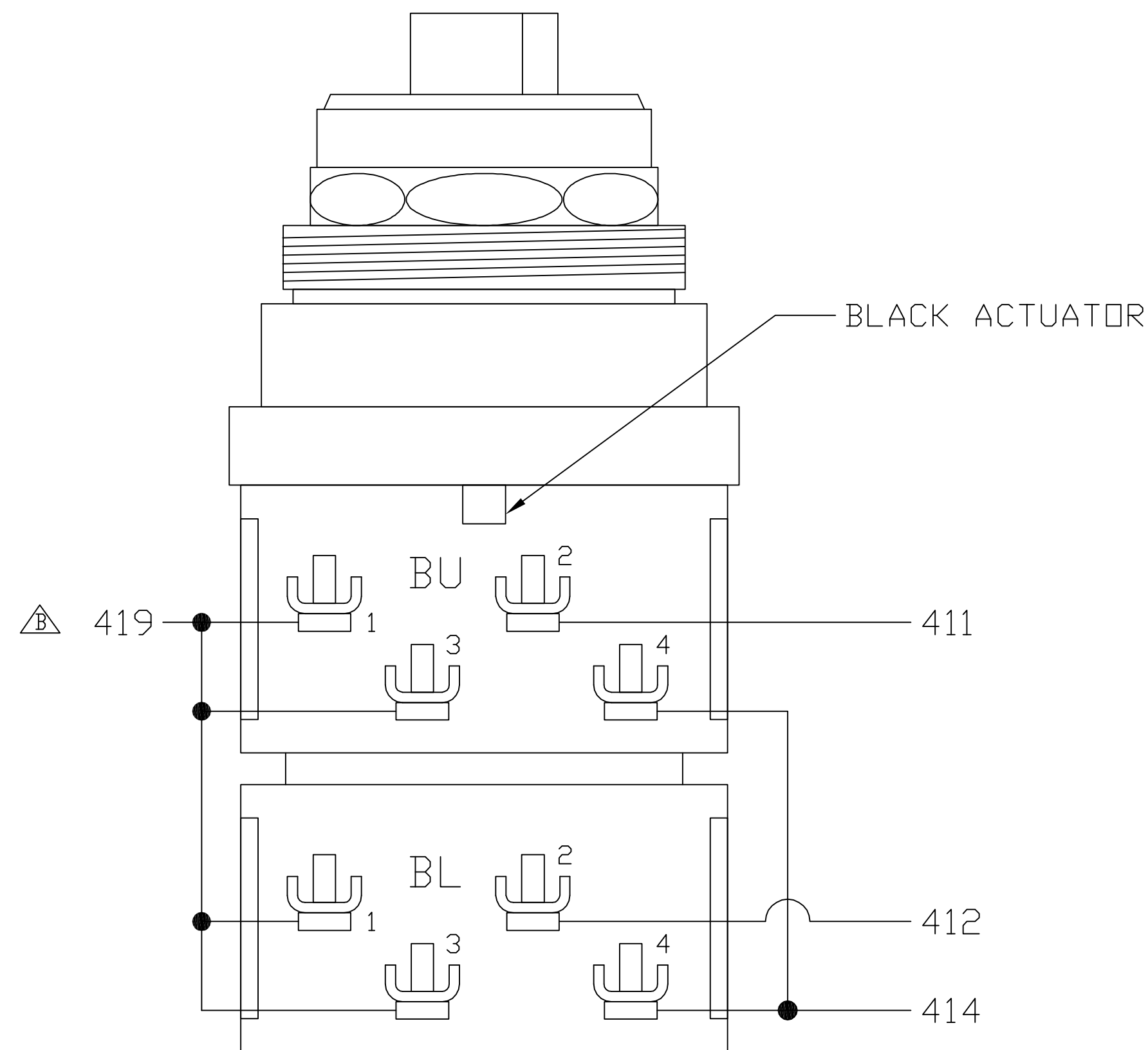
ITEM NO.	PART NUMBER OR MATERIAL	QTY. REQ.	PART DESCRIPTION	DESIGNATION
1	700378	1	PANEL, CENTER CONSOLE UPPER	
2	690143	1	PLAQUE, CENTER CONSOLE UPPER	
5	5125 590	1	SWITCH, TOGGLE CH#8500K2 SPDT (ON)-OFF-(ON)	TGS35,36
15	7085 942	1	GAUGE, SPEEDOMETER, 0-85 MPH, 24V DANIN #308017	GA9
23	5190 921	1	LAMP, 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#3 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. #	PLANE ANGLES +/- 1°	SHEET 2/2

72 73 74 75

29

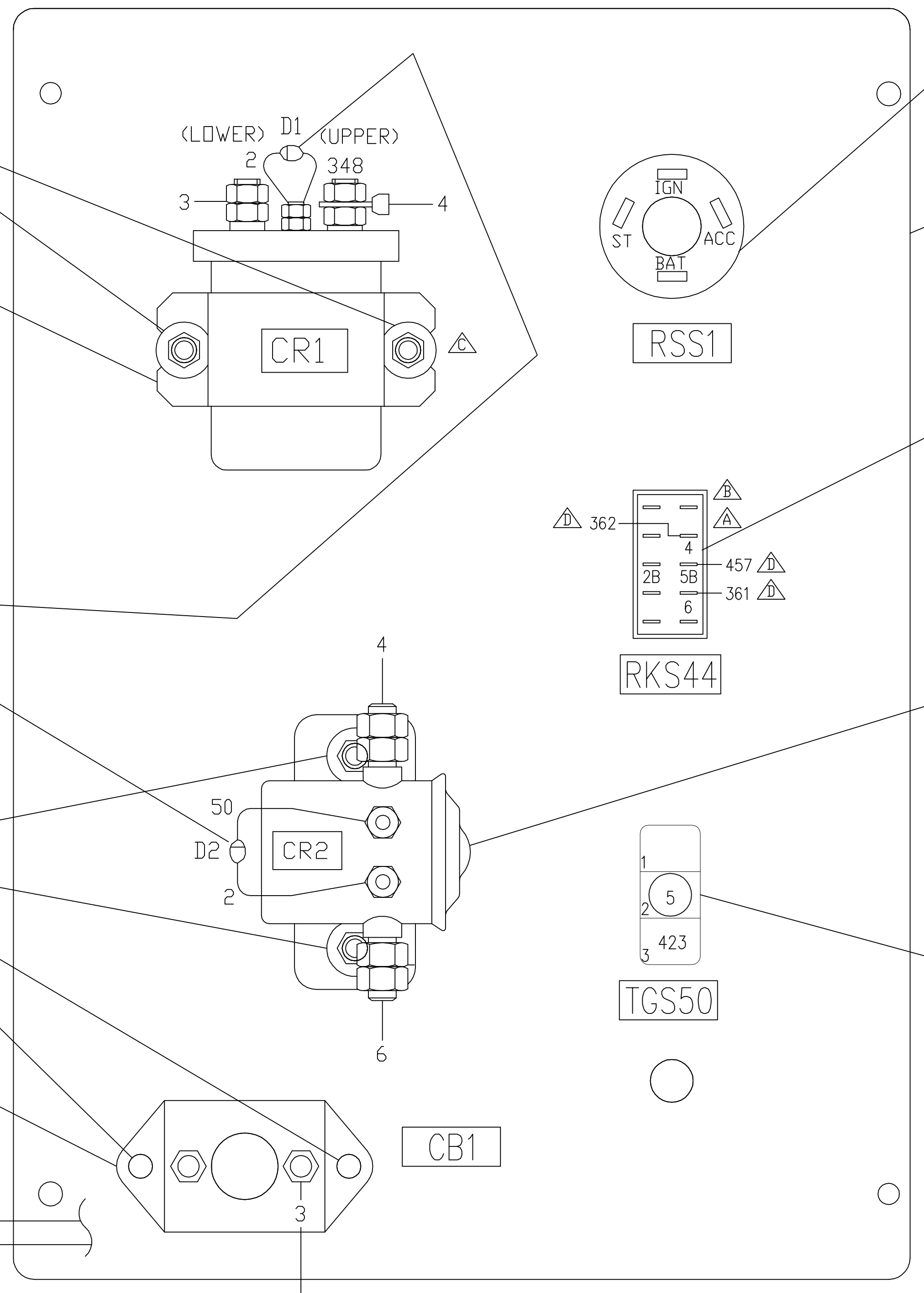
31

72 73 74 75

71

118
114 130

92 93



76

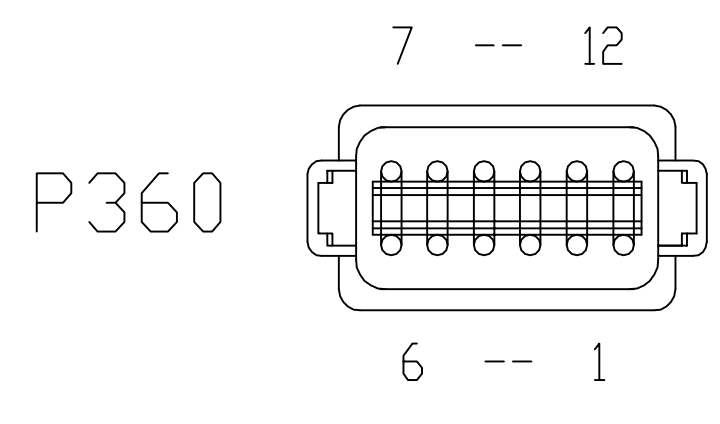
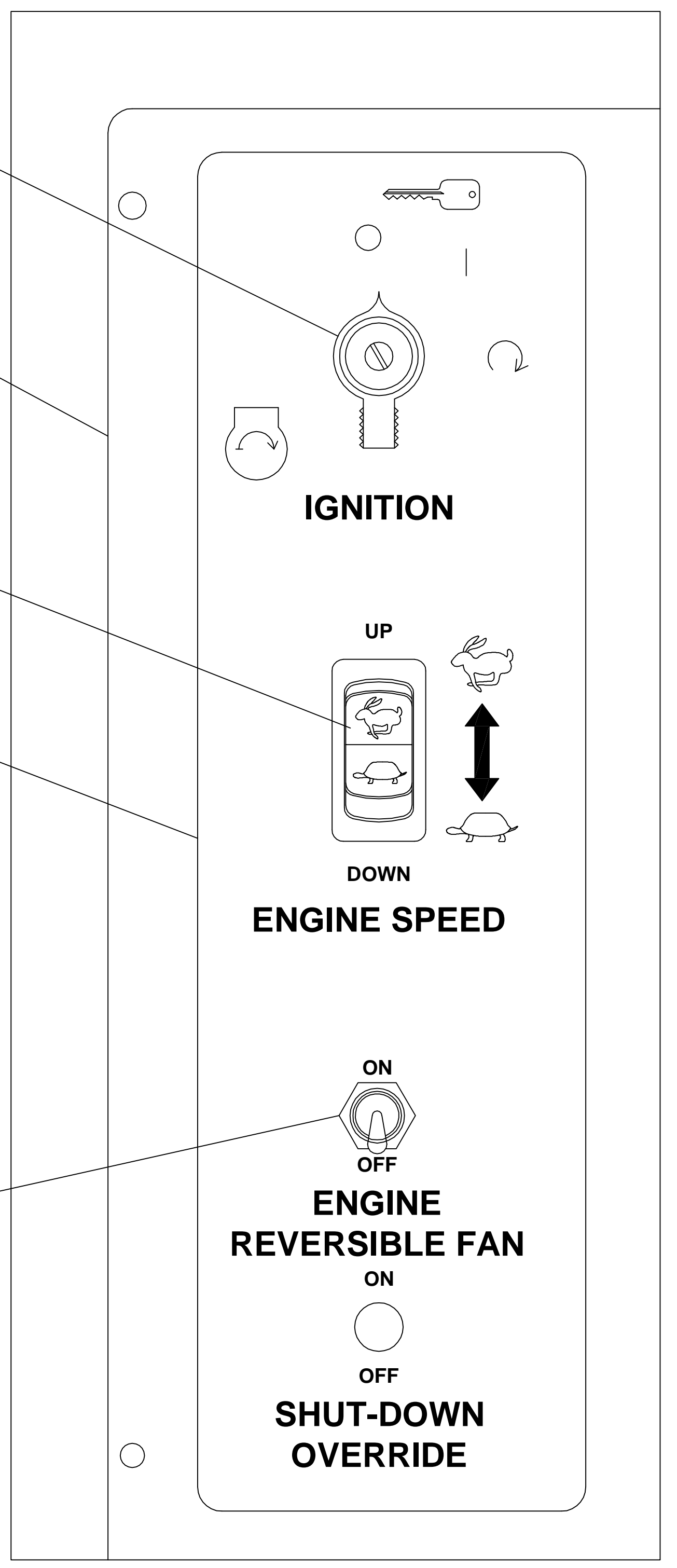
1

94

2

30

3



OPERATOR VIEW

NO CHANGE THIS SHEET	CP 10-FEB-09	80099	CUSTOMARY:	Oshawa		THIRD ANGLE PROJECTION
RKS44, ADDED WIRE #457 REPOSITION WIRES #361 AND #362	CP 03-DEC-08	80050	ALL DIMENSIONS IN INCHES	Nordco		
ITEM 29 ROTATE 180° TO MEET MANUFACTURER MOUNTING SPECIFICATION	CP 25-SEP-08	80050	IMPLIED TOLERANCES	PRODUCT: M7		
REMOVED ITEM 5 ADDED ITEMS 3, 92, 93 & 94	CP 02-MAY-08	-	FRACTION	DESCRIPTION:		
FLIPPED 396 WITH 397 ON ITEM 5	AJB 21-SEP-07	-	.X : 1/8	ASSY, CC RIGHT PANEL		
REMOVED ITEM 77, 188, 189, 190 & 191	CP, 03-DCT-07	-	.XX : .06	SIZE	SCALE	DRAWING CODE NUMBER
NEW ISSUE	JWW 22-SEP-06	-	.XXX : .03	D	1:1	520215
			250 / MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -		E
MF REV CHANGE	DRAWN BY: DATE: CHECKED BY: DATE:	E.C.D. #	PLANE ANGLES +/- 1°	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	
118	5166 932	1	LOCKING WEDGE, FOR 12 PIN RECEPTACLE DEUTSCH #W12P	P360
130	5166 791	AR	PIN, 14-16 GA DEUTSCH #0460-215-16141	
185	5170 240	AR	CABLE TIES	
188				
189				
190				
191				

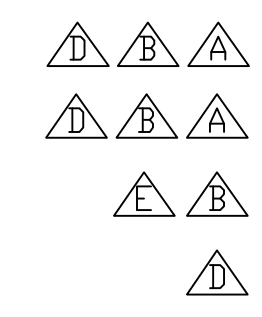
NOTES:

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

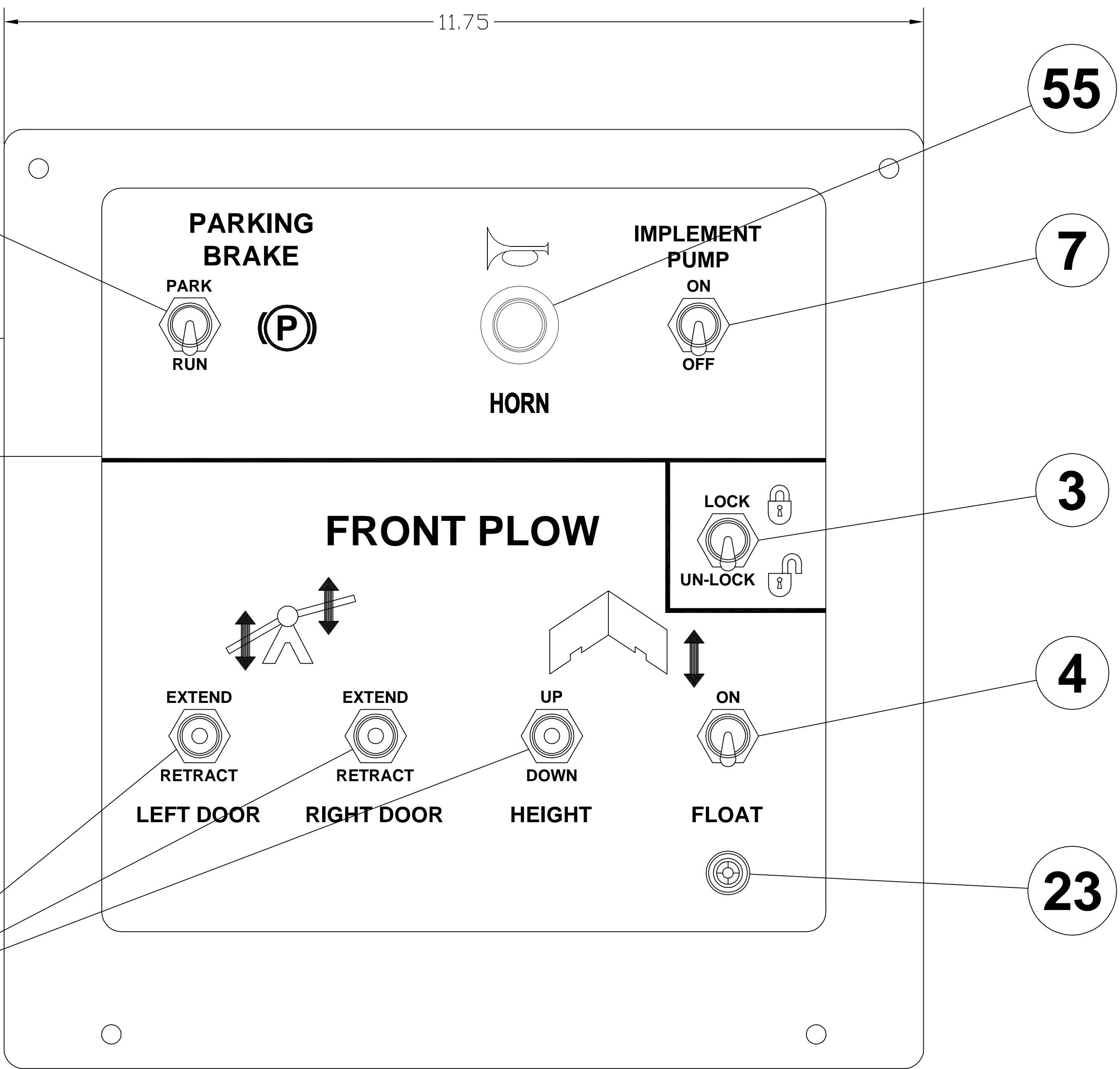
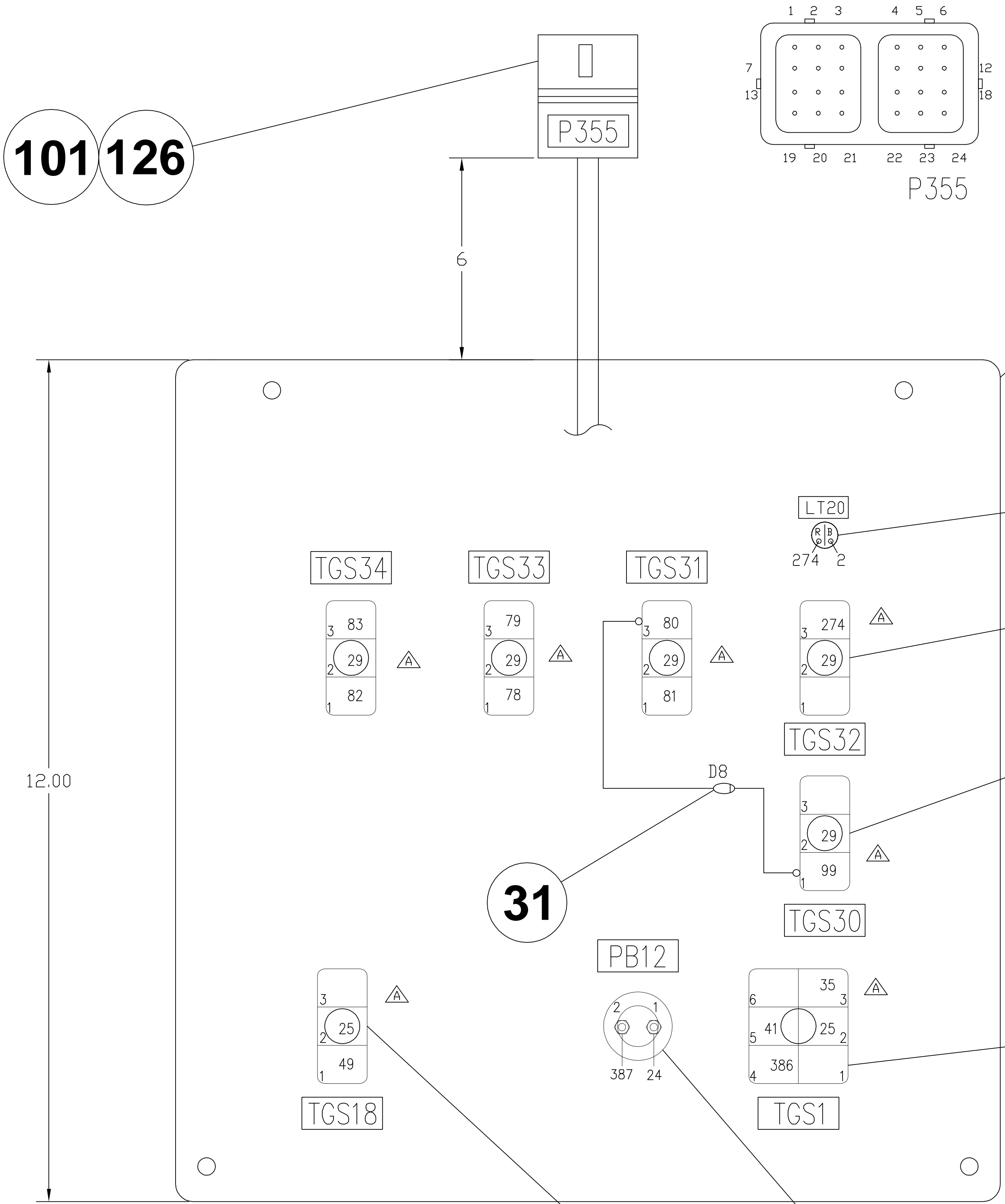
DESCRIPTION: ASSY, CC RIGHT PANEL

SIZE: D 1:1

DRAWING CODE NUMBER: 520215

REV: E

SHEET 2/2



FLIP DOWN VIEW

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

FLIPPED 82 & 83 DN TGS34, FLIPPED 78 & 79 DN TGS33 FLIPPED - & 274 DN TGS32, FLIPPED 49 & - DN TGS18 FLIPPED - & 386, - & 35 DN TGS1, FLIPPED 80 & 81 DN TGS30 FLIPPED - & 99 DN TGS30	AJB 21-SEP-07				
NEW ISSUE	JWW 22-SEP-06	CP, 22-SEP-06			
DATE:	DATE:	DATE:	DATE:	E.C.D. #	PLANE ANGLES +/- 1°

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	

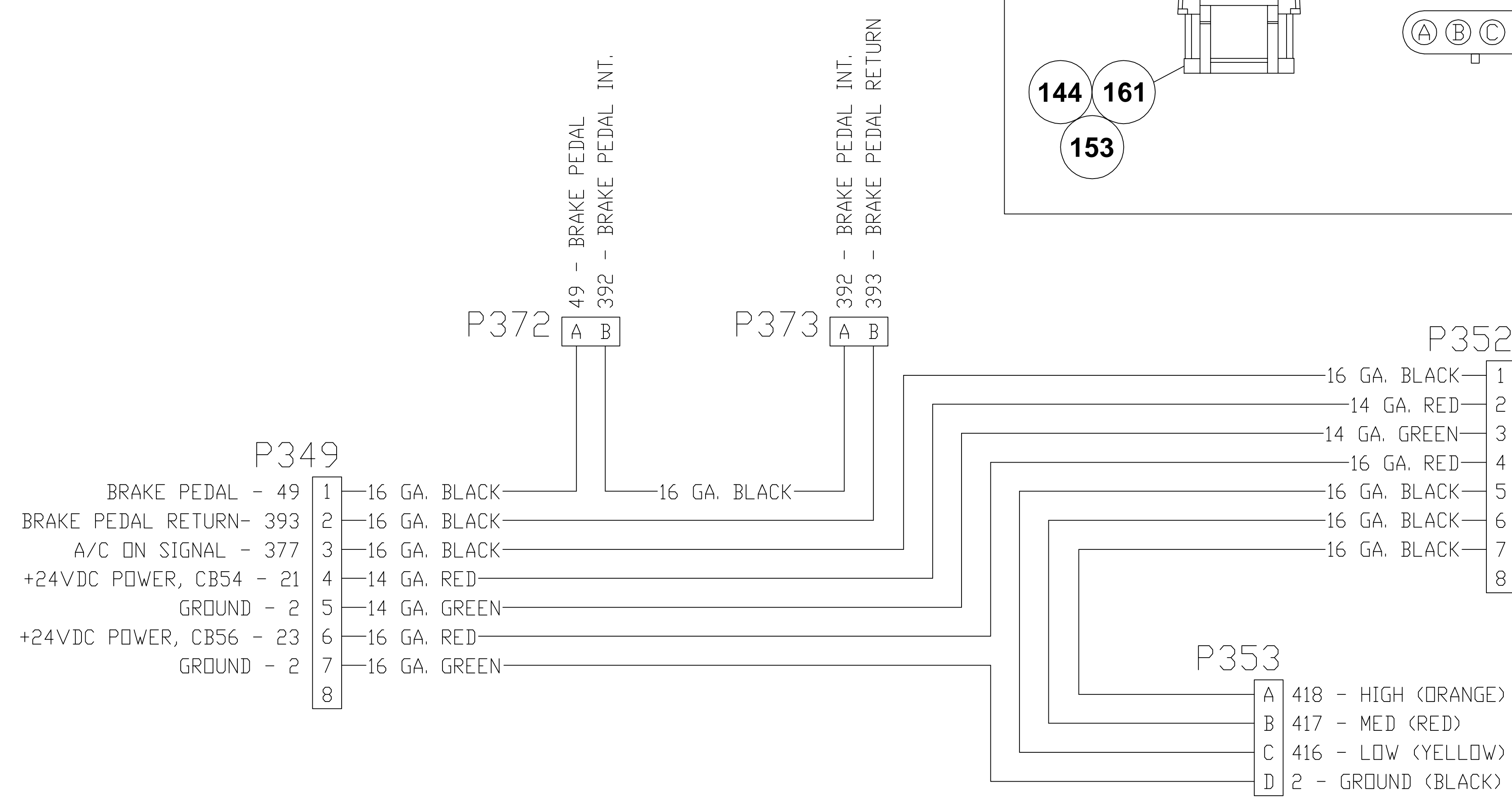
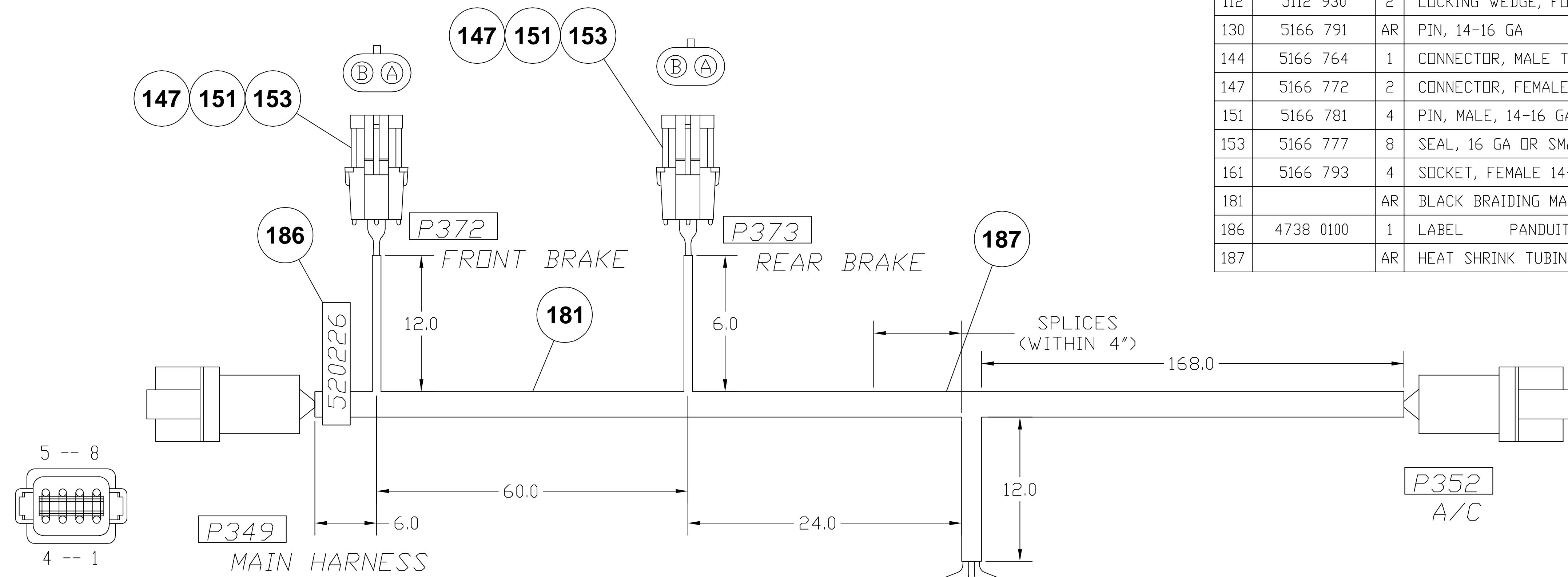
NOTES:

- 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
MF	REV	DATE	DATE	E.C.D. #	PLANE ANGLES +/- 1°

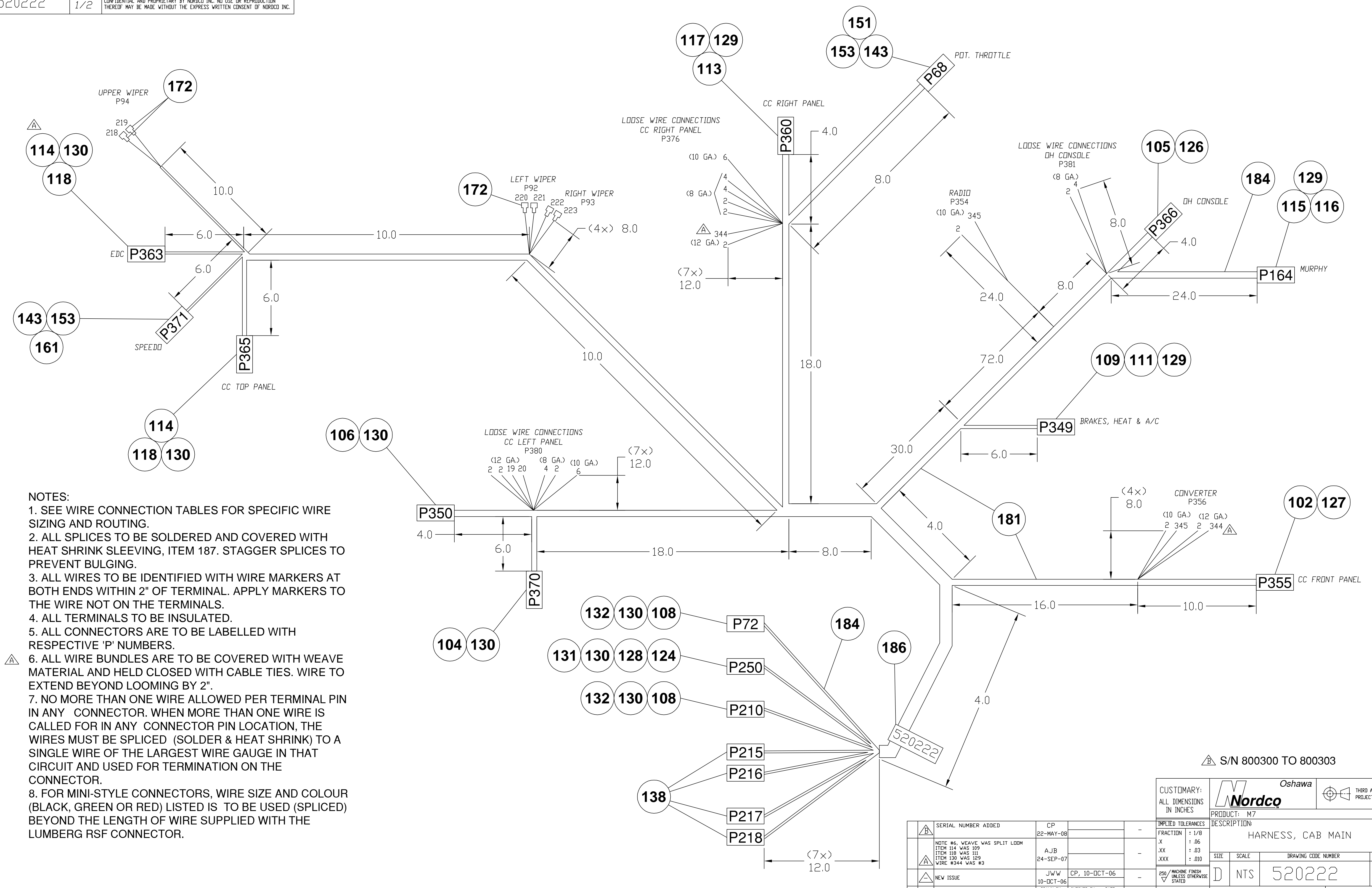
CUSTOMARY: ALL DIMENSIONS IN INCHES	Nordco Oshawa	THIRD ANGLE PROJECTION
IMPLIED TOLERANCES	PRODUCT: M7	
FRACTION : 1/8 X : .06 XX : .03 XXX : .010	DESCRIPTION: ASSY, CC FRONT PANEL	
SIZE	SCALE	DRAWING CODE NUMBER
D	1:1	520216
ASSEMBLY: -	SHEET 2/2	

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.

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	REV.
.06	D	NTS	520226	A
.03	ASSEMBLY: -			
.010	SHEET 1/1			
250 / MACHINE FINISH UNLESS OTHERWISE STATED	PLANE ANGLES +/- 1°	DATE: 13-OCT-06	DATE: 13-OCT-06	E.C.D. #
ADDED COLOUR DESIGNATIONS TO P362	AJB 24-SEP-07	CP.	13-OCT-06	
NEW ISSUE	JWW 13-OCT-06	CHECKED BY:	DATE:	
REV	CHANGE	DRAWN BY:	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.



S/N 800300 TO 800303

CUSTOMARY: ALL DIMENSIONS IN INCHES		Oshawa		THIRD ANGLE PROJECTION	
PRODUCT: M7		DESCRIPTION: HARNESS, CAB MAIN			
SIZE	SCALE	DRAWING CODE NUMBER		REV.	
D	NTS	520222		B	
ASSEMBLY: -		SHEET 1/2			

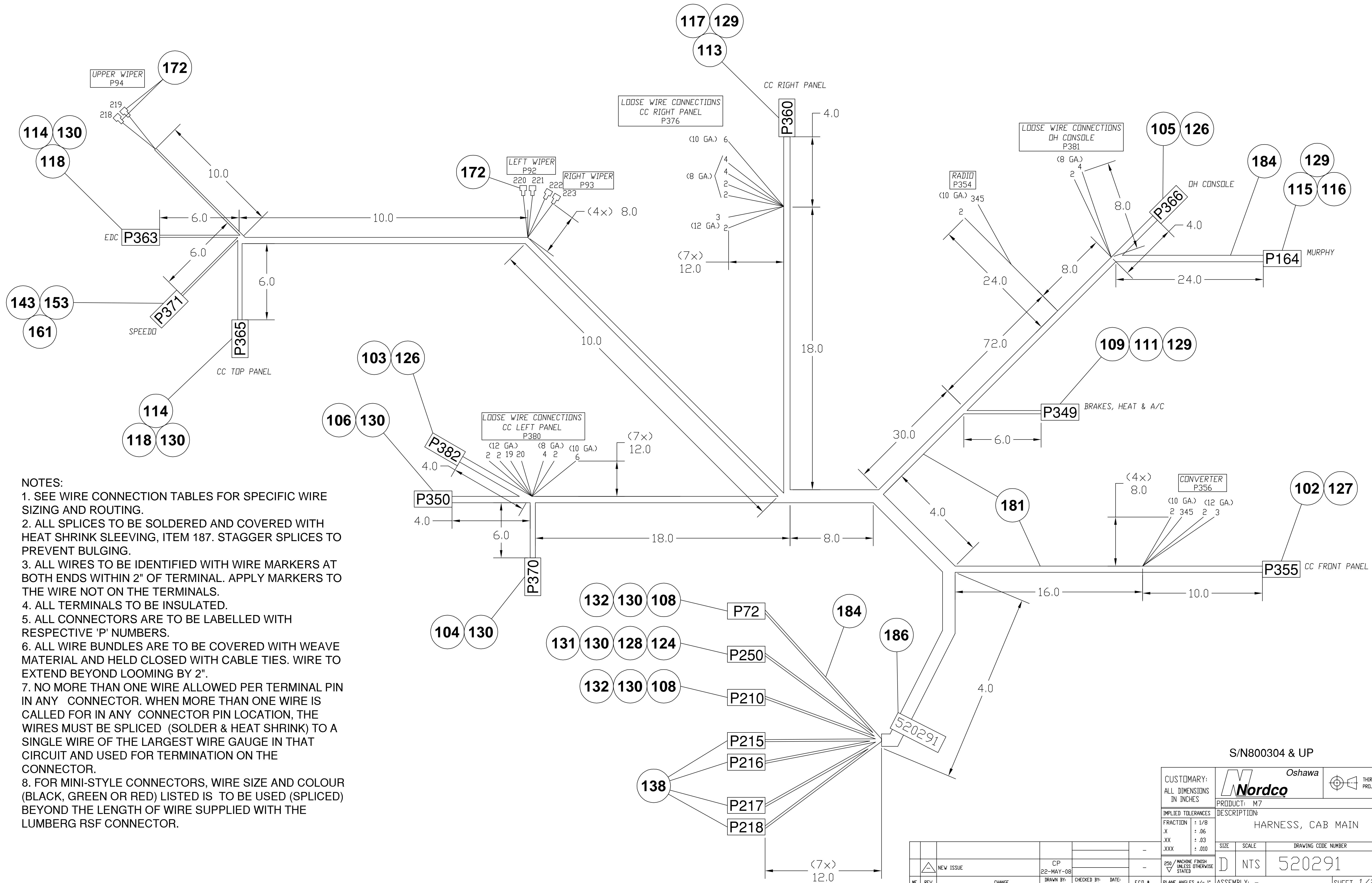
Δ	SERIAL NUMBER ADDED	CP	22-MAY-08	-	IMPLIED TOLERANCES
	NOTE #6, WEAVE WAS SPLIT LOOM	AJB	24-SEP-07	-	FRACTION : 1/8
	ITEM 114 WAS 109			-	X : .06
	ITEM 118 WAS 111			-	.XX : .03
	ITEM 130 WAS 129			-	.XXX : .010
	WIRE #344 WAS #3			-	250 / MACHINE FINISH UNLESS OTHERWISE STATED
Δ	NEW ISSUE	JWJ	CP, 10-OCT-06	-	
MF	REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.O.#

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 10-OCT-06		CP, 10-OCT-06	
MF	REV	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	E.C.D. #
				PLANE ANGLES +/- 1°	
				ASSEMBLY: -	
				SHEET 2/2	




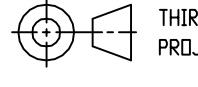
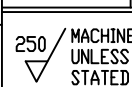
- NOTES:**
1. SEE WIRE CONNECTION TABLES FOR SPECIFIC WIRE SIZING AND ROUTING.
 2. ALL SPLICES TO BE SOLDERED AND COVERED WITH HEAT SHRINK SLEEVING, ITEM 187. STAGGER SPLICES TO PREVENT BULGING.
 3. ALL WIRES TO BE IDENTIFIED WITH WIRE MARKERS AT BOTH ENDS WITHIN 2" OF TERMINAL. APPLY MARKERS TO THE 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					
NO.	REV.	CHANGE	DRAWN BY: DATE:	CHECKED BY: DATE:	DATE:	E.C.D. #	PLANE ANGLES +/- 1°
IMPLIED TOLERANCES		FRACTION		SIZE		SCALE	
X		: 1/8		D		NTS	
XX		: .06		520291		DRAWING CODE NUMBER	
.XXX		: .03		520291		REV.	
		: .010		-		ASSEMBLY: -	
250 / MACHINE FINISH UNLESS OTHERWISE STATED		S/N800304 & UP		Oshawa		THIRD ANGLE PROJECTION	
		Nordco		PRODUCT: M7		DESCRIPTION: HARNESS, CAB MAIN	
						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
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	 Oshawa  THIRD ANGLE PROJECTION			
	PRODUCT: M7	DESCRIPTION: HARNESS, CAB MAIN		
IMPLIED TOLERANCES	SIZE	SCALE	DRAWING CODE NUMBER	REV.
FRACTION : 1/8 X : .06 .XX : .03 .XXX : .010	D	NTS	520291	-
 MACHINE FINISH UNLESS OTHERWISE STATED	ASSEMBLY: -		SHEET 2/2	

NEW ISSUE	CP									
	22-MAY-08	DRAWN BY:	CHECKED BY:	DATE:	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	P72 @ 38	18 ga. Yellow
3	331	- CAN_L {J1939(-)}	129	CABLE,	P72 @ 39	18 ga. Green
4	332	- CAN_SHLD [J1939(shield)]	129	ITEM 184	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 @ 14	16 ga. Black
27	27	Power +24VDC CB63	127		P250 @ 12	16 ga. Black
28	160	Broom Lock-up valve	127		P215 @ 16	14 ga. Red
29	111	Broom Up	127		P215 @ 8	16 ga. Black
30	112	Broom Down	127		P215 @ 7	16 ga. Black
31	113	Broom Tilt - up	127		P215 @ 6	16 ga. Black
32	114	Broom Tilt - down	127		P215 @ 5	16 ga. Black
33	115	Broom Forward Rotate	127		P215 @ 4	16 ga. Black
34	116	Broom Reverse Rotate	127		P215 @ 2	16 ga. Black
35	193	Dust Collector / Auger	127		P215 @ 3	16 ga. Black
36	117	Chute rotate - CW / Tilttable Stone Deflector Up	127		P210 @ 21	16 ga. Black
37	118	Chute rotate - CCW / Tilttable Stone Deflector Down	127		P210 @ 23	16 ga. Black
38	28	Power +24VDC CB64	127		P210 @ 22	16 ga. Black
39	202	L.H. Stone Deflector - Up	127		P350 @ 18	14 ga. Red
40	203	L.H. Stone Deflector - Down	127		P216 @ 2	16 ga. Black
41	204	R.H. Stone Deflector - Up	127		P216 @ 8	16 ga. Black
42	205	R.H. Stone Deflector - Down	127		P216 @ 3	16 ga. Black
43	296	R.H. Inner Door Tilt - In	127		P216 @ 1	16 ga. Black
44	298	R.H. Inner Door Tilt - Out	127		P217 @ 1	16 ga. Black
45	270	L.H. Inner Door Tilt - In	127		P217 @ 8	16 ga. Black
46	268	L.H. Inner Door Tilt - Out	127		P217 @ 5	16 ga. Black
47	211	Snow Wing Power Lock-up	127		P217 @ 4	16 ga. Black
48	-	-	-		P210 @ 28	16 ga. Black
49	315	"Wait to Start" lamp (ground) - to ECU	127			-
50	196	A/C clutch	127		P72 @ 5	16 ga. Black
51	74	Pressure Filter (Implement) Indicator - Green	127		P72 @ 24	16 ga. Black
52	75	Pressure Filter (Implement) Indicator - Red	127		P250 @ 21	16 ga. Black
53	76	Main Return Filter Indicator - Green	127		P250 @ 17	16 ga. Black
54	77	Main Return Filter Indicator - Red	127		P250 @ 19	16 ga. Black
55	102	Charge Pump Filter Indicator - Green	127		P250 @ 22	16 ga. Black
56	103	Charge Pump Filter Indicator - Red	127		P250 @ 23	16 ga. Black
57	206	Return Filter (Snow Blower) - Green	127		P250 @ 24	16 ga. Black
58	67	Brakes On	127		P250 @ 25	16 ga. Black
59	106	Turntable warning	127		P210 @ 33	16 ga. Black
60	395	Turntable Up - Ground for Brakes	127	SPLICE	P250 @ 15	16 ga. Black
61	134	Travel alarm trigger signal from neutral start relay	127		P250 @ 16	16 ga. Black
62	14	Power +24VDC CB42	127	SPLICE	P350 @ 30	16 ga.
63	159	Hydraulic Oil Temperature Sender	127		P363 @ 8	16 ga. Black
64	387	Horn Compressor Power	127		P164 @ 1	16 ga. Red
65	183	Forward Travel Alarm	127		P371 @ A	16 ga. Red
					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