

## Copied From - 7070301 Circuit Numbers

7070301 Circuit Numbers	Description
1	GENERATOR FIELD CIRCUIT
2	GENERATOR ARMATURE CIRCUIT
3	GENERATOR GOUND CIRCUIT
4	GENERATOR REGULATOR TO AMMETER OR SHUNT
5	AMMETER OR SHUNT TO STARTER TERM. BL. OR BATT. COMM
6	BATTERY TO STARTER
7	BATTERY GROUND. INCLUDING MASTER SW. IF IN THIS CIRCUIT
8	SHUNT TO AMMETER POSITIVE
9	SHUNT TO AMMETER NEGATIVE
10	AMMETER OR SHUNT TO INSTRUMENT PANEL CIRCUIT BREAKERS
11	IGNITION SWITCH FEED OR MAGNETO GROUND (L.H.)
12	IGNITION SW. TO IGNITION COIL OR BOOSTER SW. TO BOOSTER COIL
13	MAGNETO GROUND (R. H.)
14	STARTER SW. CIRCUIT (INCLUDING FEED) TO RELAY OR SOLENOID
15	MAIN LIGHT SWITCH FEED
16	LIGHT SW. (HT) TO SERVICE HEADLAMP OR DIMMER SW.
17	DIMMER SWITCH TO UPPER BEAM
18	DIMMER SWITCH TO LOWER BEAM
19	LIGHT SW. (BOD) TO BLACKOUT DRIVING LAMP. INCL. RESISTOR
20	LIGHT SWITCH (BHT) TO BLACKOUT MARKER LAMPS
21	LIGHT SWITCH (HT) TO SERVICE TAIL LAMP
22	LIGHT SWITCH (S) TO SERVICE STOP LAMP
23	LIGHT SWITCH (BS) TO BLACKOUT STOP LAMP
24	LIGHT SWITCH (BHT) TO BLACKOUT TAIL LAMPS
25	HORN SWITCH (INCLUDING FEED) TO HORN OR HORN RELAY
26	HORN RELAY FEED AND HORN RELAY TO HORN
27	INSTRUMENTS FEED (INSTRUMENTS WITH POLARITY)
28	FUEL GA. TO SEND. UNIT OR LEFT UPPER TK. GA. TO SELECTOR SW.
29	FUEL SELECTOR SWITCH TO RIGHT UPPER TANK
30	FUEL SELECTOR SWITCH TO LEFT LOWER TANK
31	FUEL SELECTOR SWITCH TO RIGHT LOWER TANK
32	OIL LEVEL SENDING UNIT TO GAUGE OR SELECTOR SWITCH
33	WATER AND OIL TEMPERATURE GAUGE OR SENDING UNIT
34	LO. ENG. OIL PRESS. WARNING LIGHT CIRCUIT. INCL. FEED
35	HIGH WATER OR HIGH ENGINE OIL TEMP. WARNING LIGHT CIRCUIT INCL. FEED
36	OIL PRESSURE GAUGE TO SENDING UNTI
37	OUTLET SOCKET
38	DOME LAMP CIRCUIT. INCLUDING BREAKER AND SWITCH
39	MAP LIGHT CIRCUIT
40	INSTRUMENT LIGHT CIRCUIT
41	INTERPHONE #1
42	INTERPHONE #2
43	INTERPHONE #3
44	INTERPHONE #4
45	INTERPHONE #5
46	12 VOLT RADIO CIRCUIT. INCLUDING RADIO MASRTER SWITCH
47	SLIP RING FEED
48	24 VOLT RADIO FEED
49	RECEPTACLE. AUX. POWER OUTLET. POSITIVE LEAD
50	RECEPTACLE. AUX. POWER OUTLET. NEGATIVE LEAD
51	TELEPHONE #7
52	6V. TAP ON TAIL LIGHT DROPPING RESISTOR TO TAIL LIGHT

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53	ELECTRIC BRAKE CONTROL CIRCUIT
54	FUEL CUT-OFF CIRCUIT
55	FLAME PRIMER LOW TENSION CIRCUIT
56	FLAME PRIMER HIGH TENSION CIRCUIT
57	INSTRUMENT PANEL GROUND
58	COMPASS LIGHT CIRCUIT
59	HULL VENTILATING FAN CIRCUIT
60	TELEPHONE #6
61	AUX. GENERATOR FIELD
62	AUX. GENERATOR ARMATURE
63	AUX. GENERATOR GROUND
64	AUX. GEN. REGULATOR TO BATTERY (INCL. HEATER TRANSFER SW.)
65	AUX. GEN. STARTER RELAY CIRCUIT, INCLUDING SWITCH & FEED
66	AUX. GEN. STARTER TO TRANSFER SW. INCL. STARTER OR RELAY
67	EMERGENCY STOP SWITCH GROUND
68	BATTERY INTERCONNECTING CABLES
69	RESISTOR TO GROUND TERMINAL ON TRAILER COUPLING
70	REGULATOR GROUND (L.H.)
71	WINDSHIELD WIPER CIRCUIT
72	LO TRANSMISSION OIL PRESS. INDICATOR CIRCUIT. WITH FEED LH
73	RADIO TERMINAL BOX TO GROUND
74	STARTER SOLENOID CIRCUIT (ACTUATING INCL SW. OR RELAY
75	STOP SWITCH CIRCUIT (SW TO SS ON MAIN LIGHT SWITCH)
76	FUEL PUMP CONTROL FEED
77	FUEL PUMP SWITCH TO FUEL PUMP-LEFT
78	FUEL PUMP SWITCH TO FUEL PUMP-RIGHT
79	FUEL TANK GROUND
80	IGNITION COIL TO DISTRIBUTOR
81	BATTERY TO STARTING MOTOR TERM. BLOCK. INCL. MASTER SW.
82	STARTER MOTOR TERMINAL BLOCK TO STARTER MOTOR LEFT
83	MAIN LIGHT SW. (TT) TO TAILLIGHT COMM. ON TAILER RECEPT.
84	MAIN LIGHT SW. (TT) TO STOPLIGHT COMM. ON TRAILER RECEPT.
85	LOW AIR PRESSURE INDICATOR LIGHT
86	GROUND ON SERIES PARALLEL SW. TO AMMETER. INCL. CIR. BR.
87	SPOTLIGHT CIRCUIT FOR TRUCKS AND WRECKERS
88	WINCH TORQUE LIMITED CONTROL
89	AUTOMATIC CHOKE
90	TRAILER RECEPTACLE TO GROUND
91	HEADLAMP TO GROUND
92	PARKING LAMP TO GROUND
93	STARTER RELAY GROUNDING CIRCUIT
94	STARTER RELAY AUX. GROUNDING
95	TAIL LAMP TO GROUND
96	SPEEDOMETER SENDING UNIT FEED
97	TACHOMETER SENDING UNIT FEED
98	INTERPHONE #8
99	INTERPHONE #9
TURRET CIRCUIT NAMES	
100	TURRET FEED
101	IMPULSE RELAY FEED (L TERMINAL ON IMPULSE RELAY)
102	LARGE CAL. GUN FIRING SOLENOID TO IMPULSE RELAYS (S TERM)
103	SMALL CAL. GUN FIRING SOLENOID TO FIRING SWITCH
104	TRAVERSE MOTOR FEED

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105	RECOIL CIRCUIT ON GYRO CONTROL. THRU RECOIL SW.
106	GYRO CONT (#3 ON AN CONN.) TO MOTOR STAB. CONT. YELLOW POST
107	GYRO CONT (#1 ON AN CONN.) TO MOTOR STAB. CONT. GREEN POST
108	STIFFNESS CIRCUIT INCLUDING DISENGAGE SWITCH
109	GYRO STABILIZER SW. FEED INCLUDING CIRCUIT BREAKER & SW. TO GYRO MOTOR OR ANTI-BACKLASH SW.
110	GUN FIRING AND LIGHTS. CIRCUIT BREAKER FEED
111	GUN FIRING SW. FEED FROM CIRC. BR. (INCL. SAFETY SW.)
112	GUN. FIRING SAFETY SWITCH INDICATOR LIGHT
113	FIRING SW. TO LARGE GUN FIRING SOL. OR INPULSE RELAY (IF TERM)
114	GYRP CONTROL RESSITORS FEED
115	FIRING RELAY FEED
116	GYRO INDICATOR LIGHT FEED
117	POSITIVE LEAD TO GUN FIRING SWITCHES
118	
119	NORMALLY OPEN SIDE OF ANTI- BACKLASH SW. TO CIRCUIT #107
120	NORMALLY CLOSED SIDE OD ANTI- BACKLASH SW. TW GYRO CONTROL RES FEED
121	JUNCTION OF CIRC. #114 & 120 TO GYRO MOTOR FEED
122	FIRING SWITCH TO LOADER'S SAFETY RELAY
123	LOADER'S SAFETY RELAY TO SHELL PRIMER
124	FIRING SWITCHES RELAY TO SELECTOR SWITCH
125	FEED TO LOADER'S TRIP BUTTON
126	LOADER'S TRIP BUTTON TO FEED ON TEST RELAY
127	TEST RELAY TO LOADER'S SAFETY RELAY COIL
128	LOADER'S TRIP BUTTON THRU LOADER'S SETTING BUTTON TO CONTROLLED SIDE OF TEST RELAY
129	LOADER'S READY TO FIRE INDICATOR CIRCUIT
130	6.5 INCH SELECTOR LIGHT
131	BELT SELECTOR SWITCHES FEED
132	AMMUNITION HOIST CIRCUIT
133	PARALLEL DISCONNECT CIRCUIT
134	
135	
136	
137	OUTLET SOCKET
138	DOME LP. SPOT LT. AND REEL CIRCUIT
139	TURRET GROUND
140	AUXILIARY POWER GROUND
141	INTERPHONE #1
142	INTERPHONE #2
143	INTERPHONE #3
144	INTERPHONE #4
145	INTERPHONE #5
146	12 VOLT RADIO CIRCUIT
147	LIGHT FOR PERISCOPE AND SIGHTING DEVICES
148	24 VOLT RADIO FEED
149	COMMANDER'S MASTER CONTROL CIRCUIT
150	AUXILIARY POWER 24 VOLT
151	INTERPHONE #7
152	COMMANDER'S MASTER CONTROL CIRCUIT FEED
153	AP AMMO SELECTOR
154	RAMMER MOTOR CONTROL CIRCUIT INCL. SW. & INDICATOR
155	ELEVATING MOTOR FEED THRU C.B. & MAIN SW. & IND. LIGHT
156	BRAKE SOLENOID FEED THRU BRAKE RELAY
157	ELEV. LEAD FROM REVERSING RELAY TO ELEV. DEPRESSING MOTOR

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158	DEPRESSING LEAD FROM REVERSING RELAY TO ELEV. DEPRESSING MOTOR
159	TURRET VENT. FAN
160	INTERPHONE #6 (EXTRA WHEN USED)
161	FEED FOR ELEV & DEPRESSING CONT. MECHANISM THRU CIRCUIT BREAKER
162	ELEV. RELAY CONTROL THRU CONTROL SW. AND LIMIT SW
163	DEPRESS. RELAY CONTROL THRU CONTROL SW. AND LIMIT SW.
164	BRAKE RELAY CONTROL THRU BRAKE SWITCH AND GROUND
165	ELEVATING AND DEPRESSING RELAY MECHANISM TO GROUND
166	AUTOMATIC ELEV. CONTROL THRU RESISTOR & LIMIT SW.
167	AUTOMATIC DEPRESSING CONTROL THRU RESISTOR & LIMIT SW.
168	EQUILIBRATOR MOTOR FEED INCL SW. AND INDICATOR LIGHT
169	GUN NOW-FIRING AREA CONTROL CIRCUIT
170	PUMP DISABLE CIRCUIT
171	CDR'S HATCH STATUS TRIGGER INTERRUPT
172	DRIVER'S HATCH STATUS TO TRIGGER INTERRUPT
173	RADIO TERMINAL BOX TO GROUND
174	RAMMER CONTROL CIRCUIT
175	CARGO HATCH STATUS TO TRIGGER INTERRUPT
176	DRIVER'S AZ CLEAR TO TRIGGER INTERRUPT
177	CDR'S AZ CLEAR TO TRIGGER INTERRUPT
178	CARGO HATCH AZ CLEAR TO TRIGGER INTERRUPT
179	LAMP TEST LINE GND
180	LAMP TEST LINE +24V
181	EXTERNAL POWER CONTROL
182	AUXILIARY EQUIPMENT FEED - GAS DET., RADIAC, ETC.
183	LARGE GUN FEED SELECTER IN NEUTRAL
184	
185	
186	FEED TO BLOWER
187	HE AMMO SELECT
188	SMALL GUN AMMO BOOSTER FEED
189	SMALL GUN BOOSTER FEED
190	SMALL GUN AMMO LOW SIGNAL
191	LARGE GUN AP AMMO LOW SIGNAL
192	LARGE GUN HE AMMO LOW SIGNAL
193	DECK CLEARNCE SIGNAL TO TRIGGER INTERRUPT
194	STABILIZATION FEED FROM CIRCUIT BREAKER
195	DRIFT COMPENSATION INPUT
196	DRIFT COMPENSATION OUTPUT
197	STABILIZATION ELECTRONICS FEED
198	INTERPHONE #8
199	INTERPHONE #9
	RH ENGINE CIRCUIT NAMES DUAL ENGINE VEHICLE
200	
201	GENERATOR FIELD CIRCUIT
202	GENERATOR ARMATURE CIRCUIT
203	GENERATOR GROUND CIRCUIT
204	GENERATOR REGULATOR TO AMMETER SHUNT
205	
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211	RH IGNITION SWITCH FEED
212	RH IGNITION SWITCH RH COIL
213	
214	STARTER SWITCH OR RELAY FEED CIRCUIT
215	
216	TEMP SENSE HIGH TO TEMP SENSOR
217	TEMP SENSE LOW TO TEMP SENSOR
218	28VDC RETURN TO VEHICLE BATTERY
219	BATT SHUNT LOW TO VEHICLE BATTERY SHUNT
220	BATT SHUNT HIGH TO VEHICLE BATTERY SHUNT
221	REMOTE LIGHT EXCITATION TO ENGINE RESTART INDICATOR
222	REMOTE LIGHT RETURN TO ENGINE RESTART INDICATOR
223	ENGINE START TO 74 ENGINE STARTER
224	28V VDC TO 14 ENGINE STARTER
225	BUPS PWR 24 VDC-ORIG & CIRCUIT BREAKER BOX 12307070
226	NSG POWER RETURN FROM NSG TO BUPS
227	
228	
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233	TEMPERATURE GAUGE TO SENDING UNIT
234	OIL PRESSURE PILOT LT.
235	WATER TEMPERATURE PILOT LT.
236	OIL PRESSURE GAUGE TO SENDING UNIT
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255	FLAME PRIMER LOW TENSION CIRCUIT
256	FLAME PRIMER HIGH TENSION CIRCUIT
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266	
267	EMERGENCY STOP SWITCH
268	
269	
270	REGULATOR GROUND RH
271	
272	TRANSMISSION OIL PRESSURE PILOT CIRCUIT- RIGHT
273	
274	STARTER SOLENOID CIRCUIT RIGHT
275	
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280	IGNITION COIL TO DISTRIBUTOR
281	
282	STARTER MOTOR LEAD (FEED) RH
283	
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293	STARTER RELAY GROUNDING CIRCUIT
294	STARTER RELAY AUX. GROUNDING CIRCUIT
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TORQUE CONVERTER & SPECIAL DRIVER EQUIPMENT CIRCUIT NAMES	
300	AIR PRESSURE GAUGE TO SENDING UNIT
301	IGNITION SW. TO THROTTLE SOL. THRU FEED TERM. IN TERM BOX
302	THROTTLE SOLENOID TO THROTTLE OUT SWITCH (H)
303	THROTTLE OUT SWITCH TO BRAKE THROTTLE SWITCH (A)
304	FEED TERM. IN TERM BOX TO FEED ON CLUTCH SW. (D) & NORM. RANGE SW. (E)
305	NORM. RANGE SW. TO LO RANGE (F) & HI RANGE SWITCHES (G)
306	HI. RANGE SW. ON LOW RANGE-HI. RANGE SHIFT TO SW. ON HI RANGE-NORM. RANGE SHIFT SW. (K)
307	SW. ON HI RANGE-HORN. RANGE FEEDING DIRECT SOL. & CONVETER SOL.
308	
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311	BRAKE GOVERNOR SW. © JOINING 312 TO LO SIDE OF GOVERNOR
312	CONVERTER SOLENOID TO BRAKE GOVERNOR SWITCH ©
313	COMMON LEAD ON BRAKE GOVERNOR SWITCHES TO HI SIDE ON GOVERNOR
314	BRAKE GOVERNOR SWITCH (B) TO DIRECT SOLENOID
315	LO RANGE SW. (F) ON LO RANGE HO. SHIFT TO HI. RANGE SOL.
316	HIGH RANGE SOLENOID GROUND
317	CLUTCH SWITCH (D) CLUTCH SOLENOID

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318	CLUTCH SOL. TO CLUTCH SOL. GR. SW. (J) ON CONVERTER DIRECT SHIFT
319	COMMON SIDE OF THROTTLE CUT-OFF SW. & CLUTCH SOL GROUNDING SW. TO GROUNDING TERM. IN TERM. BOX
320	BRAKE THROTTLE SW. TO GROUNDING TERM. IN TERM BOX
321	TRANSMISSION LUBE PRESSURE GAGE CIRCUIT
322	TRANSMISSION LOW OIL LEVEL WARNING LT.
TORQUE CONVERTER & SPECIAL DRIVING EQUIPMENT CIRCUIT NAMES CONTINUES	
323	TRANSMISSION OIL PRESSURE
324	TRANSMISSION TEMPERATURE GAGE CIRCUIT
325	RED FLASHER LIGHT WITH SW. INDICATOR AND FLASHER
326	DIFFERENTIAL LOW OIL PRESSURE WARNING LIGHT
327	TRANSMISSION HIGH OIL TEMPERATURE WARNING LIGHT
328	DIFFERENTIAL HIGH OIL TEMP. WARNING LIGHT
329	FEED TO TRANSMISSION AND STEERING CONTROL
330	TRANSMISSION HIGH RANGE CONTROL
331	TRANSMISSION LOW RANGE CONTROL
332	TRANSMISSION REVERSE RANGE CONTROL
333	TRANSMISSION CLUTCH LOCKUP CONTROL
334	STEER CONTROL. RIGHT
335	STEER CONTROL. LEFT
336	CONVERTER LOW OIL PRESSURE
337	PILOT CONTROL INDICATOR CIRCUIT
338	CO-PILOT CONTROL INDICATOR CIRCUIT
339	CONVERTER LOW LUBRICATING OIL PRESSURE
340	SPEED SELECTOR SWITCHES FEED, PILOT
341	STEER SLECTOR SWITCHES FEED, CO-PILOT
342	SPEED SELECTOR SWITCHES FEED, CO-PILOT
343	STEER SLECTOR SWITCHES FEED, CO-PILOT
344	INLET FAN - RIGHT
345	INLET FAN- LEFT
346	CIRCULATING FAN -RIGHT
347	CIRCULATING FAN -LEFT
348	
349	STEER UNIT HI OIL TEMP WARNING
350	RELAY TO MASTER SWITCH
351	MASTER SWITCH RETURN
352	COOLANT LEVEL WARNING
353	CHECK GAUGES WARNING
354	HYDRAULIC OIL LEVEL WARNING
355	WARNING SWITCHES GROUND
356	HYDRAULIC OIL PRESSURE WARNING
357	
358	TRANSMISSION SOLENOID CKT NO.1
359	TRANSMISSION SOLENOID CKT NO.2
360	TRANSMISSION SOLENOID CKT NO.3
361	TRANSMISSION SOLENOID CKT NO.4
362	TRANSMISSION SOLENOID CKT NO.5
363	TRANSMISSION SOLENOID CKT NO.6
364	TRANSMISSION SOLENOID CKT NO.7
365	TRANSMISSION SOLENOID GND CKT
366	TRANSMISSION LOW OIL PRESSURE CKT
367	TRANSMISSION LOW OIL PRESSURE INDICATOR
368	STEERING LOCK SOLENOID CKT
369	STEERING LOCK INDICATOR

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370	EMERGENCY BRAKE INDICATOR
371	
372	STARTER (B+) TO ELECTRONIC ASSEMBLY (TEC)
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SPECIAL EQUIPMERNT CIRCUIT NAMES	
400	HEATER FEED
401	HEATER STARTING SWITCH TO COIL & INDICATOR LIGHT
402	HEATER STARTING SWITCH TO PUMP AND SOLENOID VALVE
403	RUNNING SWITCH TO THERMAL SWITCH
404	THERMAL SWITCH TO HEATER STARTING SWITCH
405	HEATER STARTING SW. TO MOTOR & INDICATOR LIGHT IF USED
406	GLOW PLUG SW.. 406A: IND LIGHT CIRCUIT, 406B: IND GND LEAD
407	HEATER IN OPERATING POSITION INDICATOR CIRCUIT
408	OIL HEATER CIRCUIT, INCLUDING INDICATOR
409	COMPARTMENT HEATER CIRCUIT, INCLUDING CONTROL UNIT
410	SAFETY VALVE RESET CIRCUIT
411	VENTILATION FAN LEAD
412	AUX. GEN. TRANSFER SW. TO BATT. HEATER & INDICATOR
413	HEATER RELAY CONTROL CIRCUIT
414	AUX. GEN. VOLTAGE CONTROL RHESOTAT TO VOLTAGE REG.
415	FEED TO SPECIAL VENTILATING FAN OR ROTOCLONE
416	GROUND LEAD FOR SPECIAL VENT. FAN OR ROTOCLONE
417	AUXILIARY SHUNT TO AUXILIARY AMMETER - POSITIVE
418	AUXILIARY SHUNT TO AUXILIARY AMMETER - NEGATIVE
419	MAIN FEED TO AUXILIARY CONTROL BOX
420	AUXILIARY ENGINE OIL PRESSURE GAGE CIRCUIT
421	AUXILIARY ENGINE FUEL CUT - OFF VALVE
422	AUXILIARY ENGINE MAGNETO GROUND



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423	SIGNAL LAMP AUX. INTERPHONE
424	FIELD TELEPHONE AUX. INTERPHONE
425	FIELD TELEPHONE AUX. INTERPHONE
426	GROUND AUX. INTERPHONE
427	TACHOMETER, ELECTRIC. "A" TERMINAL. SEND TO RECEIVE
428	TACHOMETER, ELECTRIC. "B" TERMINAL. SEND TO RECEIVE
429	TACHOMETER, ELECTRIC. "C" TERMINAL. SEND TO RECEIVE
430	TACHOMETER, ELECTRIC. "D" TERMINAL. SEND TO RECEIVE
431	SPEEDOMETER, ELECTRIC. "A" TERMINAL. SEND TO RECEIVE
432	SPEEDOMETER, ELECTRIC. "B" TERMINAL. SEND TO RECEIVE
433	SPEEDOMETER, ELECTRIC. "C" TERMINAL. SEND TO RECEIVE
434	SPEEDOMETER, ELECTRIC. "D" TERMINAL. SEND TO RECEIVE
435	REAR DOOR EMERGENCY WARNING LIGHT
436	COMPRESSOR FEED. INCLUDING RELAY
437	COMPRESSOR RELAY CONTROL CIRCUIT INCLUDING SWITCH
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450	BILGE PUMP SWITCHES FEED & JUMPER BETWEEN SWITCHES
451	BILGE PUMP SWITCH TO REAR BILGE PUMP
452	BILGE PUMP SWITCH TO FRONT BILGE PUMP
453	IGNITION RETARD CIRCUIT, STARTER TO SOLENOID. THRU NORMALLY CL. SW.
454	IGNITION RETARD CIRCUIT, BATT. TO NORMALLY OPEN SIDE OF SW.
455	TWO - SPEED GENERATOR CONTROL CIRCUIT
456	AUX. GEN. DISCONNECT CONTROL CIRCUIT, INCLUDING THE SW.
457	INTERPHONE #10
458	ENGINE FAN CLUTCH CIRCUIT
459	CONTROL CIRCUIT FOR MASTER RELAY AND IND. LIGHT
460	TURN INDICATOR CIRCUIT, RIGHT SERVICE
461	TURN INDICATOR CIRCUIT, LEFT SERVICE
462	GENERATOR EQUALIZER CIRCUIT, SHUNT TYPE
463	INTERPHONE #11
464	INTERPHONE #12
465	RANGE FINDER, FEED
466	RANGE FINDER, GROUND LEAD
467	TURN INDICATOR CONTROL CIRCUIT
468	BULLDOZER ACTUATOR ARMATURE FEED
469	BULLDOZER ACTUATOR FIELD & CLUTCH FEED
470	BULLDOZER CONTROL. SOLENOID VALVE CIRCUIT
471	WINCH CONTROL SWITCH FEED
472	WINCH REVERSE SOLENOID CIRCUIT
473	WINCH FORWARD SOLENOID CIRCUIT
474	FRONT END FUEL TANK SOLENOID
475	REAR END FUEL TANK SOLENOID
476	TRANSMISSION FAN CLUTCH CIRCUIT
477	DIFFERENTIAL FILTER PRESSURE CIRCUIT

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478	GENERATOR EQUALIZER CIRCUIT. INTERPOLE TYPE
479	BATTERY HEATER CONTROL CIRCUIT
480	WRECKER SOLENOID VALVE CONTROL CIRCUIT
481	FEED TO MAGNETO SWITCH
482	FEED TO AUXILIARY ENGINE MAGNETO TO GROUNDING RELAY
483	TURN INDICATOR, RIGHT, BLACKOUT
484	TURN INDICATOR, LEFT, BLACKOUT
485	CAB FEED
486	MANIFOLD HEATER MAIN ENGINE
487	MANIFOLD HEATER AUX. ENGINE
488	CONTROL RECTIFIER TO MASTER RELAY CIRCUIT
489	CLEARANCE LAMP SERVICE FEED
490	CLEARANCE LAMP B.O. FEED
491	PARKING LIGHTS TO LIGHT SWITCH
492	IGNITION GROUND (GR IN MAG. SW)
493	AUX. GEN. TEMP. INDICATOR CIRCUIT
494	ENGINE DECOMPRESSION CONTROL CIRCUIT
495	TRANS OIL LEVEL GAGE CIRCUIT
496	SPOTLIGHT OR FLOOD LAMP GROUND
497	RED FLASHER GROUND
498	HEATER GROUND
499	
500	THREE PHASE CIRCUIT LEAD "A"
501	THREE PHASE CIRCUIT LEAD "B"
502	THREE PHASE CIRCUIT LEAD "C"
503	MOTOR GENERATOR (ALTERNATOR) FEED
504	MOTOR GENERATOR (ALTERNATOR) GROUND
505	MOTOR GENERATOR (ALTERNATOR) CONTROL. BOX FEED
506	GENERATOR CHARGE IND. CIRCUIT (LEFT ENGINE)
507	GENERATOR CHARGE IND. CIRCUIT (RIGHT ENGINE)
508	GENERATOR CHARGE IND. CIRCUIT AUX. ENGINE)
509	WARNING LIGHT CIRCUIT. SELECTIVE WARNING SYSTEM
510	WARNING LIGHT - I.R. PARKING BRAKE
511	BATT. HEATER FEED. FROM ENG. GEN. TO SERIES PARALLELING SW.
512	BATTERY HEATER FEED. BATTERY HEATER IN PARALLEL
513	BATTERY HEATER FEED. BATTERY HEATER IN SERIES
514	DIMMER SWITCH TO B.O. UPPER BEAM (IR)
515	DIMMER SWITCH TO B.O. LOWER REAR (IR)
516	POWER FEED. DRIVER'S PERISCOPE
517	PERISCOPE FEED (IR)
518	FLOOD LAMP PR WORK LAMP FEED
519	HIGH BEAM INDICATOR CIRCUIT
520	MAIN LIGHT SWITCH TO IR-BOD SELECTOR
521	I.R./B.O. SWITCH TO DIMMER SWITCH
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530	RADIO KEY SWITCH RETURN
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533	
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536	NBC EQUIPMENT - DISTRIBUTION BOX TO CONTROL
537	NBC EQUIPMENT - CONTROL TO HEATER
538	NBC EQUIPMENT - CONTROL TO FILTER
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550	POWER FEED TO PULSATING RELAY BOX
551	TRAV. LEAD BETWEEN CONT. POTENTIOMETER WIPER AND RELAY CONTACTS
552	TRAV. CENTER TAP ON CONT. HANDLE POTENTIOMETER TO DEAD SPOT RES.
553	TRAV. CENTER TAP ON CONT. HANDLE POTENTIOMETER TO DEAD SPOT RES.
554	ELEV. LEAD BETWEEN CONT. POTENTIOMETER WIPER AND RELAY CONTACTS
555	COMMON GROUND IN PULSING RELAYS SYSTEM
556	AZIMUTH INDICATOR SIGNAL
557	
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567	VOLTAGE. INDICATING CIRCUIT
568	IGNITION SW. TO ALTERNATOR (IGN.)
569	COLD WEATHER START FEED (12V) TO SW(S2)
570	RESISTOR (RIA) FEED
571	INDICATING LAMP
572	RELAY (K2)
573	RESISTOR (R2A)
574	RESISTOR (R1A)
575	GLOW PLUG FEED
576	RELAY (K1) TO RESISTOR (R2B)
577	RELAY (K3) TO GROUND
578	RELAY TO GROUND
579	AIR FILTER SWITCH
580	FUEL PUMP CONTROL
581	FUEL FILTER AP SWITCH
582	FUEL PRESSURE GAUGE
583	RELAY (K8) FEED
584	RELAY (K2) FEED
585	RELAY (K1) FEED
586	RELAY (K4) FEED
587	OVERVOLTAGE PROTECTION

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588	COLD START FUEL PUMP FEED
589	
590	HEATER CONTROL TO LINEAR ACTUATOR
591	PROXIMITY SENSOR TO HEATER CONTROL
592	HEATER CONTROL TO SOLENOID VALVE
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599	
SPECIAL EQUIPMENT CIRCUIT NAMES	
600	ELEVATION TRACKING MOTOR FEED
601	TRACKING MOTOR ELEVATION CIRCUIT
602	TRACKING MOTOR DEPRESSING CIRCUIT
603	ELEVATION GYRO GAGE CIRCUIT
604	ELEVATION GYRO MOTOR & PICKOFF MOTOR FEED
605	ELEVATING ELECTRODYNE FEED
606	ELEVATING ELECTRODYNE CIRCUIT
607	ELECTRODYNE DEPRESSING CIRCUIT
608	TRAVERSE TRACKING MOTOR FEED
609	TRACKING MOTOR LEFT TRAVERSING
610	TRACKING MOTOR RIGHT TRAVERSING
611	TRAVERSE GYRO GAGE CIRCUIT
612	TRAVERSE GYRO MOTOR & PICKOFF MOTOR FEED
613	ELECTRODYNE LEFT TRAVERSE CIRCUIT
614	ELECTRODYNE RIGHT TRAVERSE CIRCUIT
615	TRAVERSING ELECTORDYNE FEED
616	HYDRAULIC VALVE CIRCUIT
617	LOADER'S TRAVERSE SAFETY LAMP FEED
618	DELAY RELAY COIL CIRCUIT
619	THERMO DELAY SWITCH ACTUATING CIRCUIT
620	DELAY REALY HOLDING CIRCUIT
621	GUNNER'S HANDLE PICKOFF MOTOR FEED
622	COMMANDER'S HANDLE PICKOFF MOTOR FEED
623	COMMANDER'S OVERRIDE CIRCUIT
624	COMMANDER'S OVERRIDE SWITCH FEED
625	MAIN POSITIVE FEED TO TURRET CONTROL BOX
626	MACHINE GUN AMMO INDICATOR FEED
627	HE AMMO INDICATOR FEED
628	AP AMMO INDICATOR FEED
629	AMMO INDICATOR GROUND
630	DELAY CIRCUIT FEED
631	SAFETY LAMP RETURN
632	LOADER'S SAFETY SWITCH & SAFETY LAMP FEED
633	LOADER'S SAFETY RELAY COIL CIRCUIT
634	
635	BOW LAMP FEED
636	STARBOARD LAMP FEED
637	PORT LAMP FEED
638	STERN LAMP FEED
639	DEFROSTER FEED
640	AUX. GENERATOR DECOMPRESSION CIRCUIT

**Copied From - 7070301 Circuit Numbers**

641	BOOSTER MOTOR CONTROL
642	BOOSTER MOTOR POWER
643	INVERTER FEED
644	INVERTER GROUND
645	TURRET RELAY CONTROL CIRCUIT
646	RIGHT TRACK TENSION INDICATOR CIRCUIT
647	LEFT TRACK TENSION INDICATOR CIRCUIT
648	TURRET HYDRAULIC CIRCUIT LOW PRESSURE TRANSDUCER
649	TURRET HYDRAULIC CIRCUIT HIGH PRESSURE TRANSDUCER
650	CBR ALARM
651	
652	WEAPON PANEL INDICATOR DIM
653	WEAPON PANEL INDICATOR. DIMMER FEED
654	
655	VENT FAN. MEDIUM
656	VENT FAN. LOW
657	VENT FAN TO FAN MOTOR
658	
659	
660	HYDRAULIC POWER UNIT CONTROL CIRCUIT
661	HYDRAULIC POWER UNIT SWITCH CIRCUIT
662	HYDRAULIC POWER UNIT LOAD CIRCUIT
663	HYDRAULIC OIL HIGH TEMPERATURE SWITCH CIRCUIT
664	HYDRAULIC OIL TEMPERATURE GAGE CIRCUIT
665	
666	
667	
668	
669	
670	TRAVEL LOCK 24 VOLT POWER FEED
671	TRAVEL LOCK MOTOR SOLENOID
672	TRAVEL LOCK CONTROL POWER FEED
673	TRAVEL LOCK DIRECTION FLOW SOL. VALVE A
674	TRAVEL LOCK DIRECTION FLOW SOL. VALVE B
675	TRAVEL LOCK SUPPLY PRESSURE SWITCH
676	TRAVEL LOCK CYLINDER HEAD PRESSURE SWITCH
677	TRAVEL LOCK CYLINDER ROD PRESSURE SWITCH
678	TRAVEL LOCK MOTOR 1
679	TRAVEL LOCK MOTOR 2
680	TRAVEL LOCK BRAKE
681	TRAVEL LOCK BRAKE SWITCH RETURN
682	TRAVEL LOCK LIMIT SWITCH. UNLOCKED
683	TRAVEL LOCK LIMIT SWITCH. LOCKED
684	TRAVEL LOCK SUPPORT ACTUATOR MOTOR 1
685	TRAVEL LOCK SUPPORT ACTUATOR MOTOR 2
686	TRAVEL LOCK RELAY CIRCUIT
687	
688	VEMASID - 24 VOLT POWER FEED
689	VEMASID - COIL INPUT -A
690	VEMASID - COIL INPUT -B
691	VEMASID - +5 VOLT SUPPLY
692	VEMASID - VEHICLE SPEED SIGNAL
693	VEMASID - CONTINUITY
694	VEMASID - VEHICLE SPEED SIGNAL RETURN
695	VEMASID - VEHICLE ID 0

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696	VEMASID - VEHICLE ID 1
697	VEMASID - VEHICLE ID 2
698	VEMASID - VEHICLE ID 3
699	
700	SIGNAL PHASE 115 VOLT (GROUND)
701	SIGNAL PHASE 115 VOLT
702	RECEPTACLE OUTLET 115. VOLT
703	BLACKOUT LIGHTS SWITCH FEED 115 VOLT
704	CONVERTER FEED 115 VOLT
705	B.O. DOME LAMP FEED 115 VOLT
706	SERVICE DOME LAMP FEED INCLUDING SWITCH (115 VOLT)
707	115 BLACKOUT SW. FROM BO LAMP FEED TO BO RELAY
708	115 V. BLACKOUT RELAY TO BO SW. AND SERVICE DOME LAMP
709	BLACKOUT RELAY ENERGIZEING COIL FEED INCL. BO DOOR SW.
710	BLACKOUT RELAY ENERGIZEING COIL RETURN
711	
712	VEMASID - ENCODER
713	VEMASID - COIL FAULT
714	VEMASID - AMPLIFIER FAULT
715	VEMASID - SPEED LOSS
716	VEMASID - RELAY CONTACT (H)
717	VEMASID - RELAY COIL
718	VEMASID - CIRCUIT BREAKER
719	VEMASID - RELAY CONTACT (C)
720	VEMASID - VEHICLE AUDIO
721	VEMASID - AUDIO OUTPUT
722	
723	
724	
725	TMDE - POSITIVE BUS
726	TMDE - BATTERY MIDPOINT A
727	TMDE - BATTERY MIDPOINT B
728	TMDE - BATTERY NEGATIVE
729	TMDE - ALTERNATOR FIELD VOLTAGE
730	TMDE - STARTER MOTOR MONITOR
731	TMDE - CURRENT SHUNT (+)
732	TMDE - CURRENT SHUNT (-)
733	TMDE - STARTER SWITCH
734	TMDE - WATER TEMPERATURE SENDER
735	TMDE - ENGINE OIL TEMPERATURE SENDER
736	TMDE - ENGINE OIL PRESSURE SENDER
737	TMDE - TRANSMISSION OIL TEMPERATURE SENDER
738	TMDE - FORWARD FUEL QUANTITY SENDER
739	TMDE - AFT FUEL QUANTITY SENDER
740	TMDE - FUEL FILTER CLOGGED SWITCH
741	TMDE - AIR FILTER CLOGGED SWITCH
742	TMDE - ALTERNATOR EXITATION MONITOR
743	TMDE - COOLANT HEATER MONITOR
744	TMDE - COOLANT HEATER PUMP MONITOR
745	TMDE - PERSONNEL HEATER PUMP MONITOR
746	TMDE - PERSONNEL HEATER MONITOR
747	TMDE - GLOW PLUG MONITOR
748	TMDE - LIGHTING CIRCUIT BREAKER MONITOR
749	TMDE - INSTRUMENT POWER MONITOR
750	TMDE - VEHICLE GROUND

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751	TMDE - ENGINE OIL CHIP DETECTOR
752	TMDE - TRANSMISSION OIL CHIP DETECTOR
753	TMDE - ENGINE TDC SIGNAL
754	TMDE - LIGHTING POWER MONITOR
755	TMDE - FUEL TRANSFER PUMP MONITOR
756	TMDE - FUEL TRANSFER CONTROL #1 MONITOR
757	TMDE - FUEL TRANSFER CONTROL #2 MONITOR
758	TMDE - INTERIOR LIGHTS POWER MONITOR
759	TMDE - DECK CLEARANCE SW MONITOR - CARGO HATCH
760	TMDE - DECK CLEARANCE SW MONITOR - COMMANDER'S HATCH
761	TMDE - DECK CLEARANCE SW MONITOR - DRIVER'S HATCH
762	TMDE - FUEL PRESSURE MONITOR
763	TMDE - STARTER SIGNAL MONITOR
764	
765	
766	
767	
768	
769	
770	AFES - SYSTEM POWER
771	AFES - POWER STATUS
772	AFES - FIRE EXT. STATUS
773	AFES - MANUAL RELEASED
774	AFES - BITE ACTIVATION
775	AFES - TEST PASS INDICATOR
776	AFES - TEST FAULT INDICATOR
777	AFES - FIRE WARNING SIGNAL
778	AFES - AUX. POWER RETURN
779	AFES - SYSTEM POWER RETURN
780	AFES - OFSA FAULT SIGNAL
781	AFES - SCEA FAULT SIGNAL
782	AFES - AUDIBLE SIGNAL
783	AFES - SCEA POWER FEED
784	AFES - SCEA POWER RETURN
785	AFES - OFSA LARGE FIRE SIGNAL
786	AFES - OFSA SMALL FIRESIGNAL
787	AFES - SCEA BITE TO SENSOR
788	AFES - FIRE EXTINGUISHER POWER FEED
789	AFES - FIRE EXTINGUISHER POWER FEED RETURN
790	AFES - REMOTE STATUS POWER FEED
791	AFES - REMOTE STATUS POWER FEED RETURN
792	AFES - THERMAL SENSING WIRE
793	AFES - FIRE EXT. PS AND FLOW
794	AFES - FIRE EXT. PS RETURN
795	
796	
797	
798	
799	
800	SEMI-AUTOMATIC RATE FEED SELECTOR SWITCH
801	RATIO SELECTION SWITCH, HIGH
802	RATIO SELECTION SWITCH, LOW
803	LEFT TRAVERSE SWITCH
804	RIGHT TRAVERSE SWITCH
805	UP ELEVATOR SWITCH

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806	DOWN ELEVATOR SWITCH
807	RATIO SELECTOR, LOW EXTERNAL FEED
808	RATIO SELECTOR, HIGH EXTERNAL FEED
809	TRAVERSE HYDRAULIC MOTOR BRAKE
810	TRAVERSE POTENTIOMETER, LEFT
811	TRAVERSE POTENTIOMETER, RIGHT
812	TRAVERSE AND ELEVATION POTENTIOMETER
813	ELEVATION POTENTIOMETER UP
814	ELEVATION POTENTIOMETER DOWN
815	INPUT TO RATIO SELECTOR SWITCH
816	INPUT TO TRAVERSE SWITCHES
817	INPUT TO ELEVATION SWITCHES
818	CANNON FIRING CIRCUIT
819	BOOSTER COMMAND
820	D.C. POWER TO BRIDGE BOX FOR AMPLIFIER HEATER
821	FIRING CIRCUIT D.C. TO OVERRIDE RELAY
822	D.C. POWER FOR DIRECTIONAL SWITCHES TO OVERRIDE RELAY
823	D.C. TO INVERTER, PIN LOCKS SOLENOID. & RATIO SOLENOID
824	BY PASS SOL VALVE GROUND CIRCUIT THRU PRESSURE SWITCHES
825	SOLENOID VALVES GROUND CIRCUIT THRU LINE RELAY
826	STABILIZATION SOLENOID FEED
827	FEED TO RATE SELECTOR
828	100 ROUNDS PER MINUTE RATE FEED
829	250 ROUNDS PER MINUTE RATE FEED
830	A.C. TO TRAVERSE VELOCITY GENERATOR PRIMARY
831	GROUND SIDE TRAVERSE VELOCITY GENERATOR, SECONDARY
832	GROUND SIDE TRAVERSE VELOCITY GENERATOR, PRIMARY
833	OUTPUT TRAVERSE VELOCITY GENERATOR, SECONDARY
834	A.C. TO ELEVATION VELOCITY GENERATOR, PRIMARY
835	GROUND SIDE ELEVATION VELOCITY GENERATOR, PRIMARY
836	GROUND SIDE ELEVATION VELOCITY GENERATOR, SECONDARY
837	OUTPUT ELEVATION VELOCITY GENERATOR, SECONDARY
838	OUTPUT OF TRAVERSE AMPLIFIER
839	GROUND FOR TRAVERSE AMPLIFIER
840	TRAVERSE AMPLIFIER HEATER CIRCUIT
841	A.C. POWER TO TRAVERSE AMPLIFIER
842	VELOCITY GENERATOR INPUT TO TRAVERSE AMPLIFIER
843	BRIDGE INPUT TO TRAVERSE AMPLIFIER
844	BRIDGE INPUT TO ELEVATION AMPLIFIER
845	VELOCITY GENERATOR INPUT TO ELEVATION AMPLIFIER
846	A.C. POWER TO ELEVATION AMPLIFIER
847	ELEVATION AMPLIFIER HEATER CIRCUIT
848	GROUND FOR ELEVATION AMPLIFIER
849	OUTPUT OF ELEVATION AMPLIFIER
850	ELEVATION SERVO BALANCE POTENTIOMETER, UP
851	ELEVATION SERVO BALANCE POTENTIOMETER, WIRE
852	ELEVATION SERVO BALANCE POTENTIOMETER, DOWN
853	ELEVATION SERVO AMPLIFIER PHASE
854	ELEVATION SERVO AMPLIFIER PHASE GROUND
855	ELEVATION SERVO LINE PHASE GROUND
856	ELEVATION SERVO LINE PHASE
857	TRAVERSE SERVO BALANCE POTENTIOMETER, RIGHT
858	TRAVERSE SERVO BALANCE POTENTIOMETER, WIPER
859	TRAVERSE SERVO BALANCE POTENTIOMETER, LEFT
860	TRAVERSE SERVO AMPLIFIER PHASE



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861	TRAVERSE SERVO AMPLIFIER PHASE GROUND
862	TRAVERSE SERVO LINE PHASE GROUND
863	TRAVERSE SERVO LINE PHASE
864	HULL GYRO SIGNAL OUTPUT
865	HULL GYRO SIGNAL RETURN
866	EXCITATION RETURN - HULL GYRO
867	HULL GYRO 16V, 5K HZ REFERENCE
868	HULL GYRO 26V, 400K HZ REFERENCE
869	HULL GYRO SHIELD RETURN
870	RIGHT TRAVERSE PILOT VALVE SOLENOID
871	LEFT TRAVERSE PILOT VALVE SOLENOID
872	UP ELEVATOR PILOT VALVE SOLENOID
873	DOWN ELEVATION PILOT VALVE SOLENOID
874	LIMIT SWITCH GROUND
875	ELEVATION LIMIT POTENTIOMETER, DOWN
876	ELEVATION LIMIT POTENTIOMETER, UP
877	ELEVATION LIMIT POTENTIOMETER, UP WIPER
878	ELEVATION LIMIT POTENTIOMETER, DOWN WIPER
879	A.C. POWER FROM INVERTER
880	RATIO SELECTOR GOVERNOR AND RELAY
881	LOCK SWITCH POWER FEED
882	TURRET LOCK SWITCH ON
883	TURRET LOCK SWITCH OFF
884	GUN LOCK POWER
885	GUN LOCK SWITCH ON
886	GUN LOCK SWITCH OFF
887	INVERTER GROUND
888	TURRET LOCK POWER
889	CONTACTOR TO LIMIT SWITCH
890	DECK CLEARANCE CIRCUIT
891	BRAKE SOLENOID INCLUDING CONTACTOR TO BATTERY
892	TURRET LOCK MOTOR ARMATURE AND FIELDS
893	INVERTER POWER FEED
894	BREECH SWITCH FEED
895	TRAVERSING INTERFERENCE SWITCH FEED
896	OIL GEAR ELEVATION SOLENOID VALVE
897	
898	
899	
900	FLAME THROWER BATTERY FEED
901	FLAME THROWER IGNITION COIL TO IGNITION SWITCH
902	FLAME THROWER IGNITION COIL TO SPARK PLUGS
903	FLAME THROWER ATONIZING FUEL SOLENOID VALVES TO SWITCH
904	FLAME THROWER MAIN FUEL SOLENOID VALVES TO SWITCH
905	FLAME THROWER TIMER TO SWITCH
906	FLAME THROWER SECONDARY FUEL SOLENOID VALVE TO SWITCH
907	
908	
909	
910	FIRE SUPPRESSION SYSTEM GROUND
911	FIRE SUPPRESSION SYSTEM SQUIB A FEED
912	FIRE SUPPRESSION SYSTEM SQUIB B FEED
913	FIRE SUPPRESSION SYSTEM GRID PANEL GROUND
914	FIRE SUPPRESSION SYSTEM GRID PANEL FEED
915	FIRE SUPPRESSION SYSTEM SOLENOID FEED

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916	FIRE SUPPRESSION SYSTEM SOLENOID CONTROL
917	FIRE SUPPRESSION SYSTEM AMPLIFIED FEED
918	GUN GYRO COMMAND RETURN
919	GUN GYRO INPUT
920	GUN GYRO INPUT RETURN
921	GUN GYRO MICRO SYN EXCITATION
922	GUN GYRO MICRO SYN EXCITATION RETURN
923	GUN GYRO WHEEL EXCITATION
924	GUN GYRO WHEEL EXCITATION RETURN
925	TURRET LOCK LAMP SWITCH FEED
926	
927	
928	
929	AMMO INDICATOR OUTPUT
930	LOW AMMO OVERRIDE SWITCH INPUT
931	LOW AMMO OVERRIDE SWITCH OUTPUT
932	
933	GUN SELECTOR FEED
934	II VOLT FEED
935	TRIGGER SWITCH INPUT
936	TRIGGER SWITCH OUTPUT
937	LOW AMMO OVERRIDE CONTROL
938	BLOWER FEED OVERRIDE
939	FEED FROM TURRET BLOWER TO VEHICLE VENT FAN
940	BLOWER RELAY FEED
941	TRIGGER LOCKOUT HOLD
942	VENT FAN - M219 GUN
943	LARGE GUN - LIMITING RESISTOR TO CONTROL
944	LARGE GUN- FEED TO SAFETY RELAY CONTROL
945	
946	
947	
948	
949	
950	EXTERNAL VOLTAGE ADJUSTMENT CONTROL RHEOSTAT
951	BOOM AUXILIARY POWER MOTOR CONTROL
952	BOOM AUXILIARY MOTOR FEED
953	#1 OUTPUT TO SOLENOID - ELEVATION DRIVE
954	#1 INPUT FROM SOLENOID - ELEVATION DRIVE
955	#2 OUTPUT TO SOLENOID - ELEVATION DRIVE
956	#2 INPUT TO SOLENOID - ELEVATION DRIVE
957	LINEAR VELOCITY DISPLACEMENT TRANSDUCER SIGNAL - ELEVATION DRIVE
958	LINEAR VELOCITY DISPLACEMENT TRANSDUCER RETURN - ELEVATION DRIVE
959	STABILIZER ENGAGE COMMAND - ELEVATION DRIVE
960	STABILIZER SOLENOID RETURN - ELEVATION DRIVE
961	SYSTEM ENGAGE - ELEVATION DRIVE
962	BRAKE RETURN - ELEVATION DRIVE
963	DRIFT POTENTIOMETER NEGATIVE EXCITATION - ELEVATION DRIVE
964	DRIFT POTENTIOMETER COMMAND D - ELEVATION DRIVE
965	DRIFT POTENTIOMETER POSITIVE EXCITATION - ELEVATION DRIVE
966	ELEVATION DRIFT SOLENOID FEED
967	ELEVATION DRIFT SOLENOID RETURN
968	TURRET GYRO SIGNAL OUTPUT
969	TURRET GYRO SIGNAL RETURN
970	#1 OUTPUT TO SOLENOID - AZIMUTH DRIVE

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971	#1 OUTPUT FROM SOLENOID - AZIMUTH DRIVE
972	LINEAR VELOCITY DISPLACEMENT TRANSDUCER COMMAND - AZIMUTH DRIVE
973	LINEAR VELOCITY DISPLACEMENT TRANSDUCER RETURN - AZIMUTH DRIVE
974	#2 OUTPUT TO SOLENOID - AZIMUTH DRIVE
975	#2 OUTPUT FROM SOLENOID - AZIMUTH DRIVE
976	AZIMUTH LINEAR VELOCITY DISPLACEMENT TRANSDUCER POWER
977	AZIMUTH LINEAR VELOCITY DISPLACEMENT TRANSDUCER RETURN
978	AZIMUTH STABILIZER SOLENOID POWER
979	AZIMUTH STABILIZER SOLENOID RETURN
980	AZIMUTH BRAKE SOLENOID POWER
981	AZIMUTH BRAKE SOLENOID RETURN
982	DRIFT POTENTIOMETER NEGATIVE EXCITATION - AZIMUTH DRIVE
983	DRIFT POTENTIOMETER COMMAND - AZIMUTH DRIVE
984	DRIFT POTENTIOMETER POSITIVE EXCITATION - AZIMUTH DRIVE
985	AZIMUTH DRIFT SOLENOID FEED
986	AZIMUTH DRIFT SOLENOID RETURN
987	FEED FROM GUNNER'S PALM SWITCH
988	GUNNER'S COMMAND RETURN
989	180° GUNNER'S COMMAND EXCITATION
990	0° GUNNER'S COMMAND EXCITATION
991	ELEVATION STABILIZER ENGAGE POWER
992	ELEVATION ERROR GUNNER'S HANDLE AC INPUTS
993	GUNNER'S HANDLE COMMAND
994	24 VOLTS STABILIZER POWER RETURN
995	24 VOLTS STABILIZER ENGAGE RETURN
996	24 VOLTS DISTRIBUTION BOX POWER
997	TURRET AND GUN RELEASE
998	
999	NIGHT VISION SIGHT MONITOR
CRANE CIRCUIT NAMES	
1000	BOOM DOWN SOLENOID CONTROL
1001	HOIST DOWN SOLENOID CONTROL
1002	TURN RIGHT SOLENOID CONTROL
1003	BOOM UP SOLENOID CONTROL
1004	HOIST UP SOLENOID CONTROL
1005	TURN LEFT SOLENOID CONTROL
1006	INPUT POWER TO CONNECTION
1007	BOOM UP TO BOOM DOWN SOLENOID CONTROL
1008	HOIST DOWN SOLENOID CONTROL GROUND
1009	TURN RIGHT SOLENOID CONTROL GROUP
1010	TURN LEFT SOLENOID CONTROL GROUND
1011	BOOM UP TO HOIST UP SOLENOID CONTROL
1012	
1013	
1014	
1015	
1016	
1017	
1018	
1019	
1020	NORM. CLOSED BOOM LIMIT SWT. TO EMI FILTER
1021	COMMON BOOM LIMIT SWT. TO 1003
1022	EMI FILTER HOIST UP CONTROL
1023	EMI FILTER RIGHT TURN SOLENOID CONTROL

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1024	INPUT POWER TO EMI FILTER
1025	EMI FILTER LEFT TURN SOLENOID CONTROL
1026	EMI FILTER HOIST DOWN SOLENOID CONTROL
1027	EMI FILTER BOOM DOWN SOLENOID CONTROL
1028	
1029	
1030	BOOM MOTOR FIELD F1 TO BOOM DOWN SOLENOID POWER
1031	BOOM UP SOLENOID TO BOOM DOWN SOLENOID POWER
1032	BOOM MOTOR F2 TO BOOM UP SOLENOID POWER
1033	BOOM MOTOR ARMATURE A2 INPUT POWER
1034	HOIST MOTOR FIELD F1 TO HOIST DOWN SOLENOID POWER
1035	HOIST MOTOR ARMATURE INPUT POWER
1036	HOIST MOTOR FIELD F2 INPUT POWER
1037	HOIST UP SOLENOID TO HOIST DOWN SOLENOID POWER
1038	TURN MOTOR FIELD F1 INPUT POWER
1039	TURN LEFT SOLENOID TO TURN RIGHT SOLENOID POWER
1040	INPUT POWER TO MAIN BUS BAR
1041	TURN MOTOR FIELD F2 INPUT POWER
1042	TURN MOTOR ARMATURE A2 INPUT POWER
1043	INPUT POWER TO HIGH CURRENT EMI FILTER
1044	BOOM MOTOR ARMATURE A1 GROUND
1045	HOIST MOTOR ARMATURE A1 GROUND
1046	TURN MOTOR ARMATURE A1 GROUND
1047	BOOM UP SOLENOID INPUT POWER FROM MAIN BUS BAR
1048	
1049	
1050	LOAD LIMIT SWT. GROUND
1051	NORMAL CLOSED LOAD LIMIT SWT. POWER INPUT
CRANE CIRCUIT NAMES CONTINUES	
1052	BOOM MOTOR SOLENOID INPUT POWER
1053	BOOM MOTOR BRAKE SOLENOID GROUND
1054	TURN MOTOR BRAKE SOLENOID INPUT POWER
1055	HOIST MOTOR BRAKE SOLENOID INPUT POWER
1056	HOIST MOTOR BRAKE SOLENOID GROUND
1057	TURN MOTOR BRAKE SOLENOID GROUND
1058	
1059	
1060	EMI FILTER TO BOOM MOTOR FIELD F2
1061	EMI FILTER TO BOOM DOWN SOLENIOD CONTROL
1062	EMI FILTER TO TURN MOTOR FIELD F2
1063	EMI FILTER TO HOIST MOTOR FIELD F2
1064	EMI FILTER
1065	
1066	
1067	
1068	
1069	
1070	PENDANT BOOM UP
1071	PENDANT HOIST UP
1072	PENDANT TURN RIGHT
1073	PENDANT INPUT POWER TO SWITCH CENTER TOP
1074	PENDANT LEFT TURN
1075	PENDANT HOIST DOWN
1076	PENDANT BOOM DOWN

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1097	
1098	
1099	
TURRET CIRCUIT NAMES	
1100	
1101	
1102	
1103	125 VOLTS AC. OPTICAL SIGHT
1104	RETURN. 125 VOLTS AC. OPTICAL SIGHT
1105	
1106	
1107	
1108	
1109	
1110	
1111	
1112	
1113	
1114	
1115	
1116	
1117	GRENADE POWER, SMOKE
1118	
1119	POWER. PUMP. HYDRAULIC, GUNNER'S STATION
1120	(+)40 VOLTS DC. OPTICAL SIGHT
1121	(-) 40 VOLTS DC. OPTICAL SIGHT
1122	RETURN. (+/-) 40 VOLTS
1123	GROUND. LOGIC. SET MISSEL GUIDANCE
1124	(+) 15 VOLTS DC. POST AMP, NIGHT SIGHT
1125	(-) 15 VOLTS DC. POST AMP, NIGHT SIGHT
1126	RETURN (+/-) 15 VOLTS DC. POST AMP, NIGHT SIGHT
1127	(+) 5 VOLTS DC. POST AMP, NIGHT SIGHT
1128	RETURN. (+) 5 VOLTS DC. POST AMP, NIGHT SIGHT
1129	SELECT A0 , CHANNEL, NIGHT SIGHT

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1130	SELECT A1 , CHANNEL, NIGHT SIGHT
1131	SELECT A2 , CHANNEL, NIGHT SIGHT
1132	SELECT A3 , CHANNEL, NIGHT SIGHT
1133	SELECT A4 , CHANNEL, NIGHT SIGHT
1134	CONTROL A0, GAIN, AUTOMATIC NIGHT SIGHT
1135	CONTROL A1, GAIN, AUTOMATIC NIGHT SIGHT
1136	CONTROL A2, GAIN, AUTOMATIC NIGHT SIGHT
1137	CONTROL A3, GAIN, AUTOMATIC NIGHT SIGHT
1138	FIELD OF VIEW, NIGHT SIGHT
1139	RETURN, FIELD OF VIEW, NIGHT SIGHT
1140	MICROPHONE, GUNNER
1141	RETURN, MICROPHONE
1142	KEY, RADIO, GUNNER
1143	KEY, INTERCOM, GUNNER
1144	HEADSET, GUNNER
1145	DRIVE, LOAD
1146	
1147	INTERRUPT, FIRE ELEVATION, LIMIT (-)25° TO -31°
1148	INTERRUPT, FIRE ELEVATION, LIMIT (-)13° TO -31°
1149	DRIVE. RELAY. LOAD QUADRANT
1150	
1151	ARMED. MISSILE. LEFT
1152	ARMED. MISSILE. RIGHT
1153	COMMAND, MISSILE, SAFE, LEFT
1154	COMMAND, MISSILE, SAFE, RIGHT
1155	POSITION, ELEVATION, LOAD
1156	SWITCH, LOAD CONFIRM
1157	POSITON, ELEVATION STOW
1158	SWITCH, STOW CONFIRM
1159	DRIVE, ERECTION LOCK
1160	
1161	
1162	DRIVE, ERECTION/DRIVE, ERECTION, INTERLOCK A
1163	
1164	
1165	
1166	
1167	DRIVE, STOW
1168	COMMAND, MISSILE, ARM RIGHT
1169	COMMAND MISSILE, ARM LEFT
1170	POSITION, AZIMUTH LOAD
1171	POSITION, AZIMUTH STOW
1172	
1173	
1174	
1175	
1176	
1177	READY, LAUNCHER
1178	
1179	
1180	
1181	
1182	
1183	DRIVE, RELAY, SAFE, RIGHT
1184	DRIVE, RELAY, SAFE, LEFT

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1185	TEST POINT, QUADRANT RELAY
1186	RETURN, DRIVE
1187	TEST POINT, BYPASS SOLENOID
1188	TEST POINT, QUADRANT RELAY
1189	TEST POINT, C. C. W. DRIVE SOLENOID
1190	TEST POINT, C.W. DRIVE SOLENOID
1191	TEST POINT, DRIVE RETURN
1192	TEST POINT, INTERRUPT RELAY, LOAD
1193	ENABLE, GROUND, ERECTION DRIVE
1194	SELECT, ERECTION DRIVE COMMAND
1195	DRIVE, ARM RELAY, LEFT
1196	DRIVE, ARM RELAY, RIGHT
1197	DRIVE A, ARMING DEVICE, REMOTE, RIGHT
1198	DRIVE B, ARMING DEVICE, REMOTE, RIGHT
1199	DRIVE A, ARMING DEVICE, REMOTE, LEFT
1200	DRIVE B, ARMING DEVICE, REMOTE, LEFT
1201	
1202	GROUND, ARM RELAY, RIGHT
1203	GROUND, ARM RELAY, LEFT
1204	WIRE CUT, MISSILE. RIGHT
1205	WIRE CUT, MISSILE. LEFT
1206	ENABLE, WIRE CUT, MISSILE GUIDANCE SET
1207	TRIGGER COMMAND, MISSILE GUIDANCE SET
1208	RETURN, WIRE CUT
1209	COMMAND, ERECTION
1210	SWITCH, PRESSURE, HYDRAULIC, GUNNER'S, STATION
1211	
1212	POWER, BRAKE, TRACK
1213	POWER, BRAKE, SLEW
1214	SELECT, MODE SLEW
1215	SELECT, ELEVATION AND TRACK
1216	ENABLE, ELEVATION DRIVE
1217	ENABLE, SLEW
1218	ALARM, FIRE, INTERRUPT
1219	INTERRUPT, FIRE, ANGLE
1220	INTERRUPT, FIRE, STOW
1221	INTERRUPT, LOAD
1222	SWITCH, LIMIT, CARGO, HATCH
1223	SWITCH, LIMIT, GUNNER'S HATCH
1224	SWITCH, LIMIT, DRIVER'S HATCH
1225	ENABLE, BYPASS VALUE
1226	SWITCH, LIMIT, FULL, FULL, OPEN, CARGO HATCH
1227	ERECT, LAUNCHER
1228	
1229	C.W. DRIVE, BRIGHTNESS, NIGHT SIGHT
1230	C.C.W. DRIVE, BRIGHTNESS, NIGHT SIGHT
1231	C.W. DRIVE, CONTRACT NIGHT SIGHT
1232	C.C.W. DRIVE, CONTRACT, NIGHT SIGHT
1233	C.C.W. DRIVE, FOCUS NIGHT SIGHT
1234	C.C.W. DRIVE, FOCUS NIGHT SIGHT
1235	SIGHT SELECT, 13X
1236	SIGHT SELECT, 3X
1237	SIGHT SELECT, NIGHT
1238	POWER, NIGHT SIGHT
1239	

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1240	
1241	
1242	SYNCRONIZATION, SCAN, NIGHT SIGHT
1243	DRIVE, BYPASS SOLENOID
1244	POWER, TRIGGER SWITCH
1245	POWER, +24 VOLTS D.C., TRIGGER SET. MISSILE GUIDANCE
1246	
1247	RESET, TRIGGER
1248	REFERENCE, PITCH ERROR, OPTICAL SIGHT
1249	REFERENCE, YAW ERROR, OPTICAL SIGHT
1250	RELEASE, CLAMP, BIAS, DETECTOR, OPTICAL SIGHT
1251	EXCITATION, RESOLVER, OPTICAL SIGHT
1252	MODE, BORESIGHT, OPTICAL SIGHT
1253	RETURN, BORESIGHT , OPTICAL SIGHT
1254	PREAMP, PITCH. NARROW
1255	PREAMP, YAW. NARROW
1256	PREAMP, PITCH. WIDE
1257	PREAMP, YAW WIDE
1258	RATE A, AZIMUTH
1259	RATE B, AZIMUTH
1260	RATE A, ELEVATION
1261	RATE B, ELEVATION
1262	SIGNAL A, MISSILE WIRE
1263	SIGNAL B, MISSILE WIRE
1264	
1265	PRESENT, MISSILE
1266	INDENTIFICATION, MISSILE
1267	GROUND, FRAME, AIR, MISSILE
1268	BALANCE A, YAW
1269	BALANCE B, YAW
1270	BALANCE A, PITCH
1271	BALANCE B, PITCH
1272	
1273	SQUIB, FIRE, MISSILE
1274	RETURN, SQUIB, FIRE, MISSLE
1275	RETURN, SQUIB, PRE-FIRE, MISSILE
1276	SQUIB, PRE-FIRE, MISSILE
1277	PULSE, BORE SIGHT, NIGHT SIGHT
1278	CHANNEL 1. VIDEO, MULTIPLEXED, NIGHT SIGHT
1279	CHANNEL 2. VIDEO, MULTIPLEXED, NIGHT SIGHT
1280	CHANNEL 3. VIDEO, MULTIPLEXED, NIGHT SIGHT
1281	CHANNEL 4. VIDEO, MULTIPLEXED, NIGHT SIGHT
1282	CHANNEL 5. VIDEO, MULTIPLEXED, NIGHT SIGHT
1283	CHANNEL 6. VIDEO, MULTIPLEXED, NIGHT SIGHT
1284	CHANNEL 7. VIDEO, MULTIPLEXED, NIGHT SIGHT
1285	CHANNEL 8. VIDEO, MULTIPLEXED, NIGHT SIGHT
1286	INDICATOR, READY TO LOAD
1287	
1288	
1289	
1290	
1291	
1292	
1293	
1294	



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1295	
1296	
1297	
1298	
1299	
1300	
1301	
1302	BUSS, POWER, TURRET
1303	BUSS, GROUND, TURRET
1304	GND., CHASSIS, VEHICLE/GND., CHASSIS, SET, MISSILE GUIDANCE
1305	
1306	
1307	
1308	ERECTION DRIVE, SOLENOID, C.C.W
1309	LOCK, RELAY, LOAD QUADRANT
1310	INTERLOCK B, ERECTION DRIVE
1311	ENGAGED, LOCK, ERECTION ARM, LEFT
1312	READY, LOCK, ERECTION ARM , RIGHT
1313	ENGAGE, LOCK, ERECTION ARM, RIGHT
1314	INDICATOR, POWER LEVEL
1315	INDICATOR, POWER, AZIMUTH LEVEL
1316	ERECTION DRIVE, SOLENOID, C.W.
1317	C.W. DRIVE, ELEVATION, NIGHT SIGHT
1318	C.C.W. DRIVE, ELEVATION, NIGHT SIGHT
1319	C.W. DRIVE, AZIMUTH,, NIGHT SIGHT
1320	C.C.W. DRIVE, AZIMUTH, NIGHT SIGHT
1321	
1322	
1323	
1324	
1325	
1326	VEHICLE, +24 VOLTS D.C.
1327	EQUIPMENT. +24 VOLTS D.C.
1328	G/VLLD POWER
1329	G/VLLD POWER INDICATOR
1330	G/VLLD POWER ENABLE
1331	G/VLLD LOCK SOLENOID
1332	G/VLLD LOCK SWITCH
1333	G/VLLD COVER SWITCH
1334	G/VLLD RELAY
1335	G/VLLD CODE 1
1336	G/VLLD CODE 2
1337	G/VLLD CODE 3
1338	G/VLLD CODE 4
1339	G/VLLD CODE 5
1340	G/VLLD CODE 6
1341	G/VLLD CODE 7
1342	G/VLLD CODE 8
1343	G/VLLD CODE 9
1344	G/VLLD RETURN
1345	G/VLLD WORD
1346	G/VLLD WORD RETURN
1347	ELEVATION SINE
1348	ELEVATION COSINE
1349	ELEVATION COMMON

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1350	AZIMUTH SINE
1351	AZIMUTH COSINE
1352	AZIMUTH COMMON
1353	RESOLVER REFERENCE
1354	RESOLVER RETURN
1355	RANGE 1/ RANGE 2
1356	AZIMUTH ADJUST
1357	DESIGNATE
1358	FIRE COMMAND
1359	FIRE REMOTE
1360	KFIRE +24 VOLTS D.C.
1361	KFIRE RETURN
1362	NSG POWER
1363	NSG POWER INDICATOR
1364	NSG POWER ENABLE
1365	NSG SIGNAL DATA OUT
1366	NSG SIGNAL DATA OUT RETURN
1367	NSG SIGNAL DATA IN
1368	NSG SIGNAL DATA IN RETURN
1369	NSG REQUEST TO SEND
1370	NSG REQUEST TO SEND RETURN
1371	NSG CLEAR TO SEND
1372	NSG CLEAR TO SEND RETURN
1373	NSG BUILT IN TEST
1374	NSG BUILT IN TEST RETURN
1375	DMD POWER
1376	DMD WORD
1377	DMD WORD RETURN
1378	TSCD POWER
1379	DESIGNATE COMMAND
1380	TURRET POWER COMMAND
1381	IMAGE TRANSFER ASSEMBLY POWER
1382	WFOV INTERRUPT SWITCH
1383	RETICLE BRIGHTNESS
1384	PROXIMITY SWITCH POWER
1385	PROXIMITY SWITCH RETURN
1386	HEAD READY
1387	ERECT CONFORM
1388	ABOVE STOW
1389	BELOW STOW
1390	ERECTION LOCK SOLENOID
1391	ERECTION LOCK SWITCH
1392	ACTION RIGHT SELECT
1393	ACTION LEFT SELECT
1394	TRIGGER COMMAND, LEFT
1395	TRIGGER COMMAND, RIGHT
1396	TRIGGER INDICATOR RETURN
1397	VENT FAN POWER
1398	VENTILATED FACE MASK POWER
1399	OPERATOR SELECTIBLE FILTER, HOME
1400	OPERATOR SELECTIBLE FILTER, NEUTRAL
1401	OPERATOR SELECTIBLE FILTER, STEP