CEBM029500

Shop Manual

930E-4

DUMP TRUCK

SERIAL NUMBERS **A31832 - A31869, A31881, A31891**

KOMATSU®

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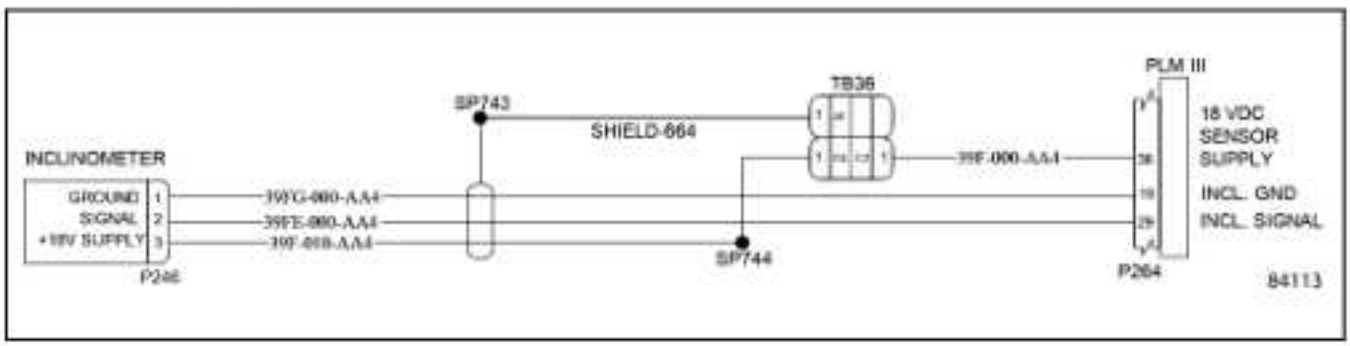
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Fault Code A009: Incline sensor signal is high

Operator Action	None
Fault Code	A009
Description	Incline sensor signal is high.
Fault Conditions	Sets if incline signal is out of range high (sensor voltage less than 0.565 volts). Resets if reading returns to normal.
Operator Alerting System Response	Repair Lamp Display Operator Action: None Display Fault Description: INCLINE SENSOR HIGH Display Fault Code: A009
Resulting Problem(s)	Bad payload computation.
Related Information	A laptop running "IM Realtime Data Monitor" software may be required to resolve this fault.

Table	
1. This fault is generated by PLM in response to a problem in the sensor circuit. This sensor circuit may have a related fault that can be used to resolve the problem. Refer to the Troubleshooting Instructions for the active parameter fault(s). 2. If there are no active parameter fault codes, then, based on the truck's setup while this fault is active, determine which of the parameters in the Table is not shown in its expected state on the IM Realtime Data Monitor program. Refer to the schematic to identify which item(s) may be causing the parameter(s) to be in the unexpected state. Troubleshoot these items. 3. If this fault is not currently active or if no parameters are currently in the unexpected state and the malfunction is still unresolved, then check each of the parameters in the Table for proper functionality. Troubleshoot all item(s) related to the parameter(s) which are found to be malfunctioning.	
Parameter	**Expected State and/or Related Fault(s)**
Incline Sensor (PLMIII 36, 29,19)	Sensor voltage < 0.565: failed high Sensor voltage > 5.08: failed low Sensor voltage > 0.565 but < 5.08: valid readings Fault(s): A010

Related circuit diagram



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Fault Code A329: Body down wire input not same as serial input

Operator Action	Go To Shop Now
Fault Code	A329
Description	Body down wire input not same as serial input.
Fault Conditions	Sets if serial RS232 input shows the dump body is down when the wired input does not for 8 seconds with GE power on and drive system data OK. Resets if conditions change for 8 seconds.
Operator Alerting System Response	Sound Buzzer Flash IM Warning Indicator Display Operator Action: GO TO SHOP NOW Display Fault Description: BODY DOWN CIRCUIT Display Fault Code: A329
Resulting Problem(s)	Malfunctioning wired input could cause loss of warning when the dump body is not down.
Related Information	A laptop running "IM Realtime Data Monitor" software may be required to resolve this fault.

Table

1. This fault's logic contains more than one parameter, each of which may have its own related fault code(s). This fault may be resolved by resolving the parameter(s) active fault code(s). Refer to the Troubleshooting Instructions for the active parameter fault(s).
2. If there are no active parameter fault codes, then based on the truck's setup while this fault is active, determine which of the parameters in the Table is not shown in its expected state on the IM Realtime Data Monitor program. Refer to the schematic to identify which item(s) may be causing the parameter(s) to be in the unexpected state. Troubleshoot these items.
3. If this fault is not currently active or if no parameters are currently in the unexpected state and the malfunction is still unresolved, then check each of the parameters in the Table for proper functionality. Troubleshoot all item(s) related to the parameter(s) which are found to be malfunctioning.

Parameter	Expected State and/or Related Fault(s)
Body Down Switch Input (IM2 R)	0: dump body is not down 1: dump body is down
Dump Body Down - Drive System - RS232 Input (IM2 D,E,F)	0: dump body is up 1: dump body is down Fault(s): A276
Drive System Control Power (IM3 M)	0: control power is off 1: control power is on
Drive System Data Link OK (IM2 D,E,F)	0: RS232 Data Link not OK 1: RS232 Data Link OK Fault(s): A276

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SUPPORT BLOCKS FOR OILING AND CHARGING DIMENSIONS

Before starting the oiling and charging procedures, supports should be fabricated to maintain the correct exposed piston rod extensions.

⚠IMPORTANT⚠

Nitrogen charging support blocks for the rear suspension are no longer necessary. However, oiling blocks are necessary to properly set the oiling height.

Exposed piston rod extensions are specified for both oil level and nitrogen charging for Hydrair II suspensions. These dimensions are listed in the tables below Figures 4-2 and 4-5. Measure the dimensions from the face of the cylinder gland to the machined surface on the spindle at the front suspension. At the rear suspension, measure from the face of the cylinder gland to the piston flange.

Support blocks may be made in various forms. Mild steel materials are recommended. Square stock or pipe segments at least 25 mm (1 in.) may be used. The blocks must be capable of supporting the weight of the truck during oiling and charging procedures while avoiding contact with plated surfaces and seals on the suspension. Refer to Figure 4-2 for front suspension support block placement and Figure 4-4 for rear support block placement.

FRONT SUSPENSION

⚠WARNING

All Hydrair® II suspensions are charged with compressed nitrogen gas with sufficient pressure to cause injury and/or damage if improperly handled. Follow all the safety notes, cautions and warnings in these procedures to prevent accidents during servicing and charging.

1. Park the unloaded truck on a hard, level surface. Place the directional control lever in PARK.
2. Place wheel chocks in front of and behind both sets of rear tires to prevent roll away.

NOTE: Do not place wheel chocks around the front tires. The front tires will roll forward and backward a small amount as the suspension travels up and down during the suspension charging process.

3. Thoroughly clean the area around the charging valve on the suspensions. Remove the protective covers from the charging valves.

Front Suspension Oiling

⚠WARNING

Make sure that all personnel are clear and support blocks are secured with a strap or other means before relieving nitrogen pressure from the suspension. An unsecured block could fly loose as weight is applied, presenting the possibility of serious injury to nearby personnel and/or damage to the equipment.

Overhead clearance may be reduced rapidly and suddenly when nitrogen pressure is released.

NOTE: For longer life of suspension components, a friction modifier should be added to the suspension oil. See the Specifications Charts at the end of this section.

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⚠CAUTION

Installing tubes incorrectly or in the wrong location can cause severe bends in the hose and possibly damage clamp channel welds.

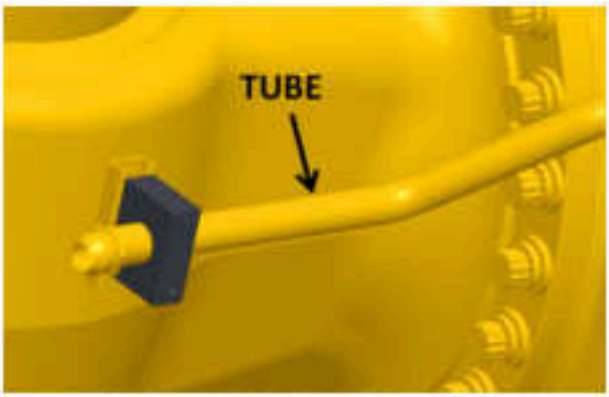


FIGURE 3-29. CLAMP LOCATIONS

7. Loosen clamp hardware and position each tube clamp near the top of the channel as shown in Figure 3-29.
8. Dimension X should be approximately 6.35 - 12.7mm (0.25 - 0.50in) as shown in Figure 3-30.

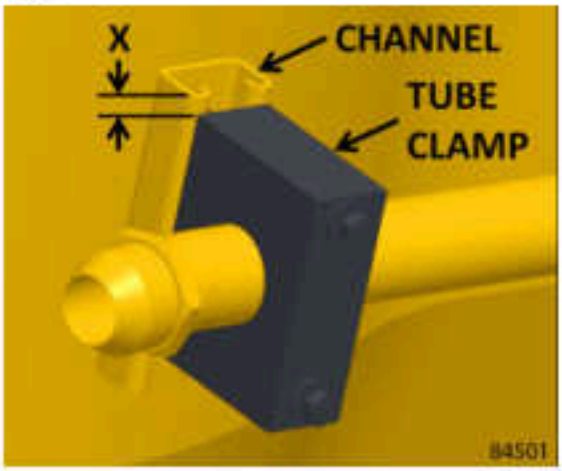


FIGURE 3-30. CLAMP POSITION

9. Tighten the clamp hardware to 10 - 12 N•m (8 - 9 ft lb).

⚠WARNING

Do not remove or service hoses while truck is running!

10. With tires in the straight position, install the brake cooling hoses. Refer to Figure 3 for correct part numbers for each location.

⚠CAUTION

Items that come in contact with the hose during operation can gouge or puncture the hose.

11. Check each hose for proper alignment. Each hose must not be kinked or twisted. Tighten each hose by holding the hose side of the fitting and turning only the fitting nut.



FIGURE 3-31. HOSE TIGHTENING

⚠CAUTION

If kinking or twisting is observed, loosen fittings and reposition hose and re-tighten. Twisting and/or kinking of the hose will lead to premature hose failure.

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Alternator Housing to Rotor - Measurement "A"

15. Install a 5/8" - 11 x 4 1/2" capscrew hand tight in the threaded hole provided on the stator frame to support the alternator adapter.
16. Remove the rotor support from the alternator by removing the two mounting bolts. Save the rotor support for future re-use.

NOTE: The alternator rotor must be supported by rotor support whenever the alternator is removed from the engine for extended storage or during transportation of the alternator.

17. To move the alternator rotor rearward, bolt a flat steel bar to the center of the alternator rotor.

    Install two 5/8" - 11NC capscrews through both ends of the bar and fasten the bar to the alternator housing. See Figure 4-6.

    Alternately tighten each capscrew until the rotor reaches the end of travel. **Do not exceed 16 N·m (12 ft lb)**.



FIGURE 4-6. MOVING THE ALTERNATOR ROTOR

18. Remove the flat steel bar and bolt a calibrated flat steel bar across the alternator housing as a reference to measure the distance between the alternator housing and rotor. See Figure 4-7 and Figure 4-8. This will be measurement A_{11} at the 12 o'clock position.

NOTE: When taking the measurements, ensure that the readings are taken from the mating surfaces.



FIGURE 4-7. ALTERNATOR HOUSING TO ROTOR MEASUREMENT



FIGURE 4-8. ALTERNATOR HOUSING TO ROTOR MEASUREMENT

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WIRE TABLE

CONTINUED ON DIAGRAM 17 & 18

WIRE LIST

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
+24V-000	SWITCH HEDWELD LIMIT	-	OP CAB HEDWELD CONTROL MODULE	LIMIT
+24V-001	SWITCH HEDWELD LIMIT	-	OP CAB HEDWELD CONTROL MODULE	LIMIT
-15VDI-000	-	J02	GE DID PANEL	DID
-15VDI-001	TB21	TB21-V2	-	P02
-15VDI-002	GE CONTROL INTERFACE	P302	TB21	TB21-V1
0-000	GB70 FRAME GND	GB70-A2	BUSS BAR 0	DISC(-)-5
0-001	24VDC ALTERNATOR	ALT(-)	GB70 FRAME GND	GB70-A1
0-002	GB70 FRAME GND	GB70-B2	GB31-A AUXBOX GND BLCK	GB31A-A1
0-003	BUSS BAR 0	DISC(-)-4	MOTOR STARTER 1 (STRT1)	STRT1-2A
0-004	BUSS BAR 0	DISC(-)-3	MOTOR STARTER 2 (STRT2)	STRT2-2A
0-005	VEC-90	VEC90-S7A	VEC-89	VEC89-S7A
0-006	RELAY KEY/GE CNTRL PWR (KCNPR)	KCNPR-85	RELAY KEY SWITCH (KSWPR)	KSWPR-85
0-007	RELAY KEY/GE CNTRL PWR (KCNPR)	KCNPR-85	12V POWER RELAY (12VPR)	12VPR-85
0-008	-	J11	SP09	-
0-009	12VDC CONVERTER (12VCN)	12VCN-GND	GB31-A AUXBOX GND BLCK	GB31A-A3
0-010	R1	R1	GB31-A AUXBOX GND BLCK	GB31A-B3
0-011	VEC-91	VEC91-S6B	GB31-A AUXBOX GND BLCK	GB31A-B1
0-012	VEC-91	VEC91-S6A	VEC-90	VEC90-S7B
0-013	RELAY HEADLIGHT LOW MOUNT (HLM...	HLMR-85	RELAY HEADLIGHT HIGH MOUNT (HH...	HHMR-85
0-014	RELAY HI-BEAM HEADLIGHT (HBHR)	HBHR-85	RELAY KEY SWITCH (KSWPR)	KSWPR-85
0-015	RELAY HI-BEAM HEADLIGHT (HBHR)	HBHR-85	GB31-B AUXBOX GND BLCK	GB31B-B1
0-016	RELAY HEADLIGHT LOW MOUNT (HLM...	HLMR-85	RELAY ACCESS LADDER LIGHT (ALL...	ALLR-85
0-017	SP103	-	GB31-A AUXBOX GND BLCK	GB31A-B3
0-018	DL1	DL1	SP104	-
0-019	SP104	-	DL2	DL2
0-020	DL3	DL3	SP104	-
0-021	DL4	DL4	SP103	-
0-022	DL5	DL5	SP103	-
0-023	DL6	DL6	SP103	-
0-024	SP104	-	SP103	-
0-025	SP100	-	SP102	-
0-026	LAMP LED MASTER DISCONNECT CL...	MLLON	BUSS BAR 0	DISC(-)-7
0-027	BUSS BAR 0	DISC(-)-7	JB1	JB1
0-028	MOTOR STARTER 1 (STRT1)	STRT1-2B	MOTOR STARTER 2 (STRT2)	STRT2-2B
0-030	RELAY 1 PROPEL LOCKOUT	PLREL	JB1	JB1
0-031	RELAY STARTER LOCKOUT	SLREL	JB1	JB1
0-032	LAMP LED PROPEL LOCKOUT ON	PLON	JB1	JB1
0-033	LAMP LED PROPEL LOCKOUT LOCKED...	PLLO	JB1	JB1
0-034	LAMP LED STARTER LOCKOUT OPEN	SLLO	JB1	JB1
0-040	ENGINE PRELUBE HIGH VOLUME PUM...	PLPM-(-)	GB3 ENG GND BLOCK	GB3-B3
0-041	RELAY ENGINE PRELUBE MAG SWITC...	PLMS-(-)	GB3 ENG GND BLOCK	GB3-B1
0-042	RELAY ENGINE PRELUBE	P800	RELAY ENGINE PRELUBE MAG SWITC...	PLMS-(-)
0-043	GB8	GB8-A1	D6	D6
0-048	RELAY ENG STARTER 1 (ESREL1)	ESREL1-85	RELAY ENG STARTER 2 (ESREL2)	ESREL2-85
0-049	-	P12	RELAY ENG STARTER 1 (ESREL1)	ESREL1-85
0-050	-	J12	SP13	-
0-051	GB8 BRAKE CABINET	GB8-1	SWITCH PARK BRAKE RELEASE PRES...	PBRPS
0-055	-	J12	SP12	-
0-060	ENGINE QSK60 INTERFACE TIER II	P804	SP115	-
0-061	ENGINE QSK60 INTERFACE TIER II	P804	SP116	-
0-062	ENGINE QSK60 INTERFACE TIER II	P804	SP117	-
0-063	-	J808	SP115	-
0-064	SP115	-	-	J808
0-065	-	J808	SP116	-
0-066	SP116	-	-	J808
0-067	-	J808	SP117	-
0-068	SP117	-	-	J808
0-069	-	P808	GB31-B AUXBOX GND BLCK	GB31B-C1
0-070	-	P808	GB31-B AUXBOX GND BLCK	GB31B-C1
0-071	-	P808	GB31-B AUXBOX GND BLCK	GB31B-B4
0-072	-	P808	GB31-B AUXBOX GND BLCK	GB31B-B4
0-073	-	P808	GB31-B AUXBOX GND BLCK	GB31B-D1
0-074	-	P808	GB31-B AUXBOX GND BLCK	GB31B-D1
0-075	-	J11	SP10	-
0-076	-	J543	-	P11
0-077	-	P520	-	P543
0-078	-	J520-	SOLENOID ENGINE SHUTTER (OPT)	ESSOL
0-079	VEC RTMR1	RTMR1-C2	GB31-A AUXBOX GND BLCK	GB31A-D1
0-080	-	J12	SP13	-
0-081	-	P12	SP796	-
0-082	-	P542	-	ETHER1
0-084	-	J11	SP10	-
0-085	-	J808	ENGINE QSK60 INTERFACE TIER II	P806
0-086	-	P808	GB31-B AUXBOX GND BLCK	GB31-D3
0-087	SWITCH A/C RECIEVER DRYER T2	RECDR	GB3 ENG GND BLOCK	GB3-A3
0-088	A/C COMPRESSOR CLUTCH T2	P803	GB3 ENG GND BLOCK	GB3-A3
0-090	-	P140	GB10 FRT CAB GND	GB10-A4
0-091	GB31-A AUXBOX GND BLCK	GB31A-B4	-	P04
0-092	SWITCH ENGINE RUN OIL PRESSURE...	EOPS	-	J801
0-094	-	J12	SP12	-
0-095	GB10 FRT CAB GND	GB10-A4	SWITCH BRAKE LOCK	P39
0-096	SWITCH BRAKE LOCK	P39	SWITCH BRAKE LOCK	P39
0-097	SWITCH BRAKE LOCK	P39	SWITCH BRAKE LOCK	P39
0-098	SOLENOID BRAKE LOCK	BLS	GB8 BRAKE CABINET	GB8-3
0-099	-	P210	ENTERTAINMENT RADIO	P737
0-100	SWITCH HEADLIGHTS	P25	SWITCH HEADLIGHTS	P25
0-101	SWITCH CAB LADDER LIGHT	P24	SWITCH MANUAL BACKUP LIGHT	P23
0-102	LAMP RIGHT FOG	RFLT	-	P543
0-103	-	J543	-	P11
0-104	-	J11	SP09	-
0-105	LAMP LEFT FOG	LFLT	-	P542
0-106	-	J542	-	P12
0-110	-	J542	-	P12
0-111	LAMP HIGH MOUNT LEFT HI-BEAM	HMLHB	-	P542
0-112	-	J542	-	P12
0-113	LAMP LOW MOUNT LEFT LOW-BEAM	LMLLB	-	P542
0-114	-	J542	-	P12
0-115	-	P543	LAMP LOW MOUNT RIGHT LOW-BEAM	LMRLB
0-116	-	J543	-	P11
0-117	-	P542	LAMP HIGH MOUNT LEFT LOW-BEAM	HMLLB
0-118	-	J542	-	P12
0-119	-	J543	-	P11
0-120	-	P543	LAMP HIGH MOUNT RIGHT LOW-BEAM	HMRLB
0-121	LAMP LOW MOUNT LEFT HI-BEAM	LMLHB	-	P542
0-122	-	P11	-	J543
0-123	-	P543	LAMP HIGH MOUNT RIGHT HI-BEAM	HMRHB
0-124	-	P11	-	J543
0-125	-	P543	LAMP LOW MOUNT RIGHT HI-BEAM	LMRHB
0-126	-	J11	SP10	-
0-127	-	J11	SP09	-
0-128	-	J12	SP12	-
0-129	-	J12	SP12	-
0-130	SP10	-	GB31-A AUXBOX GND BLCK	GB31B-A2
0-131	SP11	-	GB31-A AUXBOX GND BLCK	GB31B-B2
0-132	SWITCH HAZARD LIGHTS	P36	SWITCH BRAKE TEST	P37
0-133	SWITCH HAZARD LIGHTS	P36	SWITCH HAZARD LIGHTS	P36
0-134	-	J12	SP11	-
0-135	-	J11	SP08	-
0-136	-	P12	-	J540
0-137	-	P540	-	P503
0-138	-	J503	SP142	-
0-139	SP142	-	LAMP MARKER/TURN LEFT SIDE DEC...	LCL1
0-140	SP142	-	LAMP MARKER/TURN LEFT FRT DECK	LCL2
0-141	-	P11	-	J541
0-142	-	P541	-	P502
0-143	-	J502	SP147	-
0-144	SP147	-	LAMP MARKER/TURN RIGHT FRT DEC...	RCL1
0-145	SP147	-	LAMP MARKER/TURN RIGHT SIDE DE...	RCL2
0-146	-	J16	SP15	-
0-147	-	J14	SP14	-

WIRE LIST

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
0-149	-	P14	-	P732_CP
0-150	SWITCH FOG LAMP (OPT)	P22	SWITCH FOG LAMP (OPT)	P22
0-151	SWITCH FOG LAMP (OPT)	P22	GB10 FRT CAB GND	GB10-A3
0-156	-	P16	-	P731_CP
0-157	RELAY HEADLIGHT HIGH MOUNT (HH...	HHMR-85	RELAY BACKUP LIGHT (BULR)	BULR-85
0-158	SP195	-	LAMP GREEN PAYLOAD RIGHT	RPLG
0-160	GB31-B AUXBOX GND BLCK	GB31A-A2	SP14	-
0-161	-	J14	SP14	-
0-162	-	J12	SP13	-
0-163	-	J12	SP13	-
0-164	-	J11	SP10	-
0-165	-	J11	SP10	-
0-166	-	P11	-	J543
0-167	-	P543	LAMP DECK LADDER LIGHT #1	RDLLT
0-168	-	J543	-	P11
0-169	LAMP DECK LIGHT #2	RDLT	-	P543
0-170	-	J542	-	P12
0-171	LAMP DIAGONAL LADDER LIGHT #1	LDLLT	-	P542
0-172	-	J542	-	P12
0-173	-	P542	-	P544_CP
0-174	-	P565	-	P14
0-175	-	J565	SP151	-
0-176	LAMP CONTROL CABINET WORK LIGH...	CDL1	SP151	-
0-177	LAMP CONTROL CABINET WORK LIGH...	CDL2	SP151	-
0-178	GB10 FRT CAB GND	GB10-B2	ACTIA DISPLAY PANEL DIMMER	P18
0-179	SWITCH DISPLAY MODE #2	P20	GB10 FRT CAB GND	GB10-B4
0-180	SWITCH DISPLAY MODE #2	P20	SWITCH DISPLAY MODE #2	P20
0-181	SWITCH DISPLAY MODE #2	P20	SWITCH DISPLAY MODE #2	P20
0-182	SWITCH DISPLAY MODE #2	P20	SWITCH DISPLAY MODE #1	P21
0-183	SWITCH DISPLAY MODE #1	P21	SWITCH DISPLAY MODE #1	P21
0-184	SWITCH DISPLAY MODE #1	P21	SWITCH DISPLAY MODE #1	P21
0-185	ACTIA DASH DISPLAY	P903	GB10 FRT CAB GND	GB10-D3
0-186	SWITCH CAB LADDER LIGHT	P24	SWITCH HEADLIGHTS	P25
0-187	R27	R27	GB10 FRT CAB GND	GB10-B2
0-188	SWITCH CAB LADDER LIGHT	P24	SWITCH CAB LADDER LIGHT	P24
0-189	LAMP RED PAYLOAD RIGHT	RPLR	SP195	-
0-191	SWITCH LEFT WINDOW	P072	GB12 REAR CAB	GB12-D2
0-192	GB12 REAR CAB	GB12-D1	SWITCH LEFT WINDOW	P072
0-194	SWITCH LEFT WINDOW	P072	SWITCH LEFT WINDOW	P072
0-195	SWITCH LEFT WINDOW	P072	GB12 REAR CAB	GB12-D2
0-197	SWITCH RIGHT WINDOW	P071	GB12 REAR CAB	GB12-D1
0-198	SWITCH RIGHT WINDOW	P071	GB12 REAR CAB	GB12-C2
0-199	SP195	-	LAMP AMBER PAYLOAD RIGHT	RPLA
0-200	GB12 REAR CAB	GB12-C2	SWITCH RIGHT WINDOW	P071
0-201	SWITCH RIGHT WINDOW	P071	SWITCH RIGHT WINDOW	P071
0-202	-	J210	-	J04
0-203	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C1
0-204	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C1
0-205	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C4
0-206	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C4
0-207	-	J03	GB12 REAR CAB	GB12-A1
0-208	-	J03	GB12 REAR CAB	GB12-A1
0-209	-	J03	GB12 REAR CAB	GB12-B1
0-210	-	J03	GB12 REAR CAB	GB12-B1
0-211	GB12 REAR CAB	GB12-A2	-	J601_CP
0-212	GB12 REAR CAB	GB12-A2	-	J601_CP
0-213	GB12 REAR CAB	GB12-B1	-	J602_CP
0-214	-	MM/RPC	GB12 REAR CAB	GB12-B2
0-215	-	P801	GB31-B AUXBOX GND BLCK	GB31B-A1
0-216	-	J12	SP13	-
0-218	-	P12	SP777	-
0-219	-	J12	SP13	-
0-220	-	P11	OIL RESERVE SYS	P180_CP
0-221	OIL RESERVE SYS	P505_CP	SP777	-
0-222	SP09	-	-	J11
0-223	-	J11	SP09	-
0-225	GB31-B AUXBOX GND BLCK	GB31B-D4	-	P240
0-226	-	P240	GB31-B AUXBOX GND BLCK	GB31B-D4
0-227	-	J240	GB8 BRAKE CABINET	GB8-1
0-228	-	J240	GB8 BRAKE CABINET	GB8-1
0-229	TB21	TB21-X1	R19	R19
0-230	INTERFACE MODULE	IM1	TB21	TB21-X2
0-231	R18	R18	TB21	TB21-X3
0-232	TB29 X5	TB29-X5	TB26 M5	TB26-M5
0-233	TB26 M5	TB26-M5	GB31-A AUXBOX GND BLCK	GB31A-C3
0-234	GB31-A AUXBOX GND BLCK	GB31A-C3	TB36	TB36-K1
0-235	TB36	TB36-K1	TB27	TB27-W3
0-237	RELAY ACCESS LADDER LIGHT (ALL...	ALLR-85	GB31-A AUXBOX GND BLCK	GB31A-A4
0-238	TB24	TB24-X1	TB21	TB21-X4
0-239	GB8 BRAKE CABINET	GB8-3	D3	D3
0-240	-	J16	SP15	-
0-241	-	J16	SP15	-
0-242	SP15	-	-	J16
0-243	-	P16	TB61	TB61-A1
0-244	-	P16	TB61	TB61-B1
0-245	-	P16	TB61	TB61-C1
0-246	TB61	TB61-A2	GB1 - REAR AXLE	GB1-A1
0-247	TB61	TB61-B2	GB1 - REAR AXLE	GB1-A2
0-248	HORN BACKUP RIGHT	LRBH-(-)	GB1 - REAR AXLE	GB1-A3
0-249	HORN BACKUP LEFT	RRBH-(-)	GB1 - REAR AXLE	GB1-A3
0-250	GB1 - REAR AXLE	GB1-A3	-	HIDBL_CP
0-251	LAMP BACKUP REAR RIGHT	RRBL	GB1 - REAR AXLE	GB1-B1
0-252	LAMP BACKUP REAR LEFT	LRBL	GB1 - REAR AXLE	GB1-B1
0-253	LAMP RETARD LEFT REAR	LRL	GB1 - REAR AXLE	GB1-A4
0-254	GB1 - REAR AXLE	GB1-A4	LAMP RETARD RIGHT REAR	RRL
0-255	-	J11	SP08	-
0-256	-	J541	-	P11
0-257	-	P502	-	P541
0-258	LAMP BACKUP LIGHT RIGHT DECK (...	RBUL	-	J502
0-259	LAMP BACKUP LIGHT LEFT DECK (O...	LBUL	-	J503
0-260	JB6C	JB6C	SHIFTER DIRECTION SELECTOR	P108
0-261	-	P503	-	P540
0-262	-	J540	-	P12
0-263	-	J12	SP11	-
0-264	GB1 - REAR AXLE	GB1-B1	LAMP STOP/TAIL LEFT	LRSTL
0-265	LAMP STOP/TAIL RIGHT	RRSTL	GB1 - REAR AXLE	GB1-B3
0-266	JB6C	JB6C	GB12 REAR CAB	GB12-D3
0-267	TB24	TB24-X1	TB27	TB27-W3
0-268	SWITCH FOG LAMP (OPT)	P22	SWITCH MANUAL BACKUP LIGHT	P23
0-269	SWITCH MANUAL BACKUP LIGHT	P23	SWITCH MANUAL BACKUP LIGHT	P23
0-270	-	J14	SP14	-
0-271	-	P563_CP	-	P14
0-276	-	J540	-	P12
0-277	LAMP LEFT UPPER ENGINE SERVICE	LUESL	-	P540
0-279	-	J540	-	P12
0-280	LAMP LEFT LOWER ENGINE SERVICE	LLESL	-	P540
0-282	-	J541	-	P11
0-283	LAMP RIGHT UPPER ENGINE SERVIC...	RUESL	-	P541
0-285	-	J541	-	P11
0-286	-	P541	SP165	-
0-287	SP165	-	LAMP RIGHT LOWER ENGINE SERVIC...	RLESL
0-288	SWITCH RIGHT ENGINE SERVICE LA...	RESLS-1	SP165	-
0-289	SWITCH AUTOLUBE PRESSURE	LLPS	TB61	TB61-A3
0-290	-	J540	-	P12
0-291	-	P503	-	P540
0-292	-	J503	SP168	-
0-293	HORN FRONT VEHICLE	AHS	SP168	-
0-294	D1	D1	SP168	-
0-295	TB61	TB61-A4	GB1 - REAR AXLE	GB1-B2
0-296	-	P704	GB1 - REAR AXLE	GB1-B4

WIRE LIST

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
0-300	GB1 - REAR AXLE	GB1-B3	-	P55
0-301	GB1 - REAR AXLE	GB1-B3	-	J54
0-302	-	P54	SP177	-
0-303	SP177	-	LAMP BODY LEFT REAR MARKER	LSCL2
0-304	LAMP BODY LEFT SIDE MARKER	LSCL1	SP177	-
0-305	-	J55	SP174	-
0-306	SP174	-	LAMP BODY RIGHT REAR MARKER	RSCL2
0-307	LAMP BODY RIGHT SIDE MARKER	RSCL1	SP174	-
0-308	JB6C	JB6C	-	J229
0-309	JB6C	JB6C	-	J228
0-310	JB6C	JB6C	SWITCH CAB SECONDARY ENGINE SH...	ESS-B
0-311	JB6C	JB6C	SWITCH BODYUP OVERRIDE / RESET...	ORS-B
0-312	SWITCH RETARD SPEED CONTROL (R...	RSCS_1-3	GB12 REAR CAB	GB12-D4
0-313	-	J02	RETARD SPEED CONTROL	RSP
0-314	SWITCH RETARD SPEED CONTROL (R...	RSCS-B	SWITCH RETARD SPEED CONTROL (R...	RSCS_1-3
0-315	-	P02	TB31	TB31-G2
0-316	GE CONTROL INTERFACE	P303	TB31	TB31-G1
0-317	SWITCH DC POWER OFF - REST SWI...	P35	GB10 FRT CAB GND	GB10-C1
0-318	SWITCH GRID DRY	P34	GB10 FRT CAB GND	GB10-C1
0-319	SWITCH GRID DRY	P34	SWITCH GRID DRY	P34
0-320	SWITCH BRAKE TEST	P37	SWITCH BRAKE LOCK	P39
0-321	SWITCH BRAKE TEST	P37	SWITCH BRAKE TEST	P37
0-322	GE CONTROL INTERFACE	P305	GB31-B AUXBOX GND BLCK	GB31B-B3
0-323	GE CONTROL INTERFACE	P305	GB31-B AUXBOX GND BLCK	GB31B-B3
0-324	SENSOR FUEL LEVEL	FLS	SP185	-
0-325	-	J16	GB31-B2 AUXBOX GND BLCK	GB31B-A5
0-326	-	J730	-	P16
0-327	SP185	-	-	P730
0-328	SP185	-	SWITCH STEERING FILTER #1	SFSW
0-329	-	J02	SWITCH DRIVERS SEAT BELT	P212
0-330	-	P02	GB31-B AUXBOX GND BLCK	GB31B-A4
0-331	-	P14	SWITCH LOW STEERING PRESSURE	ACPSW
0-332	-	P14	SP799	-
0-333	-	J14	SP14	-
0-334	-	J14	SP14	-
0-335	SWITCH ACCUMULATOR PRESSURE #2...	ACCP2-C	-	P13
0-336	-	J13	GB31-B2 AUXBOX GND BLCK	GB31B-D5
0-337	SWITCH PARK BRAKE SET	PBPSW	GB8 BRAKE CABINET	GB8-2
0-338	GB8 BRAKE CABINET	GB8-2	SWITCH LOW BRAKE ACCUM PRESSUR...	LBPS
0-339	GB8 BRAKE CABINET	GB8-2	SWITCH SERVICE BRAKE DEGRADE P...	BDS
0-340	-	P14	SENSOR HYDRAULIC TANK LEVEL	P712
0-341	-	J14	SP14	-
0-342	-	J511	SP796	-
0-343	-	P511	SWITCH AUTOLUBE LEVEL (OPT)	P512
0-344	-	J11	SP10	-
0-345	R30	R30	TB21	TB21-X3
0-346	-	P04	GB31-A AUXBOX GND BLCK	GB31A-B4
0-347	-	J04	JB8A	JB8A
0-348	KOMTRAX PLUS MODULE	P1	JB8A	JB8A
0-349	KOMTRAX PLUS MODULE	P1	JB8A	JB8A
0-350	KOMTRAX PLUS MODULE	P1	JB8A	JB8A
0-351	KOMTRAX PLUS MODULE	P1	JB8A	JB8A
0-352	ORBCOMM MODULE (OPT)	CNA	JB8A	JB8A
0-353	ORBCOMM MODULE (OPT)	CNA	JB8A	JB8A
0-354	-	P653_CP	JB8A	JB8A
0-355	-	J808-	ENGINE QSK60 INTERFACE TIER I	P806-
0-356	-	J808-	ENGINE QSK60 INTERFACE TIER I	P805-
0-357	GB3 ENG GND BLOCK	GB3-A1	A/C COMPRESSOR CLUTCH T1	P803-
0-358	GB3 ENG GND BLOCK	GB3-A1	SWITCH A/C RECIEVER DRYER T1	RECDR-T1
0-359	SWITCH ENGINE RUN OIL PRESSURE...	EOPS	-	J801-
0-361	TB28	TB28-R2	GB31-B AUXBOX GND BLCK	GB31B-C4
0-362	-	DIAG4	GB12 REAR CAB	GB12-C4
0-363	SP142	-	SP196	-
0-364	SP147	-	SP195	-
0-365	PAY LOAD METER 3	P264	GB31-B AUXBOX GND BLCK	GB31B-A3
0-366	LAMP LED STARTER LOCKOUT CLOSE...	SLON	JB1	JB1
0-367	SP196	-	LAMP RED PAYLOAD LEFT	LPLR
0-368	SP196	-	LAMP AMBER PAYLOAD LEFT	LPLA
0-369	LAMP GREEN PAYLOAD LEFT	LPLG	SP196	-
0-370	SCORE BOARD RIGHT (OPT)	CNRIN	SCORE BOARD LEFT (OPT)	CNLO
0-375	TB36	TB36-R4	GB31-B AUXBOX GND BLCK	GB31B-C3
0-376	RELAY WIPER MOTOR HIGH	P08	RELAY HYDRAULIC LADDER PK STAT...	P263
0-377	MOTOR WINDSHIELD WASHER	WW-	-	P03
0-378	RELAY WIPER MOTOR LOW	P09	RELAY WIPER MOTOR HIGH	P08
0-379	-	J03	GB12 REAR CAB	GB12-C3
0-380	TIMER WASHER DELAY (WADT)	WADT-3	RELAY WIPER MOTOR LOW	P09
0-381	RELAY HYDRAULIC LADDER PK STAT...	P263	GB10 FRT CAB GND	GB10-C3
0-382	MOTOR WINDSHIELD WIPER	P07	GB10 FRT CAB GND	GB10-C3
0-383	12VDC POWER PORT #1	PWR1-2	-	J03
0-384	12VDC POWER PORT #2	PWR2-2	-	J03
0-385	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C1
0-386	-	P03	GB31-A AUXBOX GND BLCK	GB31A-C4
0-387	SP198	-	TB24	TB24-X3
0-388	R51	R51	TB27	TB27-W4
0-389	-	P651_CP	GB10 FRT CAB GND	GB10-D4
0-390	SWITCH CAMERA (OPT)	P31	GB10 FRT CAB GND	GB10-D4
0-391	SWITCH CAMERA (OPT)	P31	SWITCH CAMERA (OPT)	P31
0-392	-	J651	SP701	-
0-393	CAMERA CONTROLLER (OPT)	P652	SP701	-
0-394	SP701	-	-	P650
0-395	-	J541	-	P11
0-396	-	P502	-	P541
0-397	-	P548_CP	-	J502
0-398	-	J540	-	P12
0-399	-	P503	-	P540
0-400	-	P549_CP	-	J503
0-401	-	J11	SP08	-
0-402	-	J12	SP11	-
0-403	-	J11	SP08	-
0-404	-	J541	-	P11
0-405	-	P502	-	P541
0-406	MIRROR HEATED RIGHT DECK	MIRROR1	-	J502
0-407	-	J12	SP11	-
0-408	-	J540	-	P12
0-409	-	P503	-	P540
0-410	MIRROR HEATED LEFT DECK	MIRROR2	-	J503
0-411	SWITCH ROTATING BEACON (OPT)	P32	GB10 FRT CAB GND	GB10-D2
0-412	GB10 FRT CAB GND	GB10-D2	SWITCH HEATED MIRROR	P33
0-413	GB31-A AUXBOX GND BLCK	GB31A-C2	SP12	-
0-414	GB31-A AUXBOX GND BLCK	GB31A-D2	SP13	-
0-415	GB31-B AUXBOX GND BLCK	GB31A-B2	SP15	-
0-416	GB31-B AUXBOX GND BLCK	GB31B-C2	SP08	-
0-417	GB31-B AUXBOX GND BLCK	GB31B-D2	SP09	-
0-418	SP799	-	SWITCH STEERING BLEED PRESSURE	SABS
0-419	SP799	-	D88	D88
0-420	SP09	-	-	J11
0-421	SP08	-	-	J11
0-422	SP11	-	-	J12
0-423	-	J14	SP14	-
0-424	-	J12	SP12	-
0-425	-	J12	SP12	-
0-426	-	J12	SP11	-
0-427	-	P04	GB31-A AUXBOX GND BLCK	GB31A-B4
0-428	-	J04	-	RRBB2
0-429	-	ETHER2-	SOLENOID ETHER START (OPT)	ESOL
0-430	SP799	-	SOLENOID HOIST LIMIT	HS-
0-432	-	J16	GB31-A AUXBOX GND BLCK	GB31A-D3
0-433	-	P16	-	RBML_CP
0-434	-	J12	GB31-A AUXBOX GND BLCK	GB31A-D3
0-435	-	P12	-	J540

WIRE LIST

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
0-436	-	P540	-	P503
0-437	-	J503	-	LDML_CP
0-438	-	J11	GB31-A AUXBOX GND BLCK	GB31A-D3
0-439	-	J541	-	P11
0-440	-	P541	-	P502
0-441	-	RDML_CP	-	J502
0-442	-	RBML1	-	RBML2_CP
0-444	LAMP HYDRAULIC CABINET #2	HL2	GB8 BRAKE CABINET	GB8-4
0-445	GB8 BRAKE CABINET	GB8-4	LAMP HYDRAULIC CABINET #1	HL1
0-446	TB31	TB31-G3	TB29	TB29-X4
0-447	TB30	TB30-B2	TB28	TB28-R2
0-448	RELAY MASTER DISCONNECT	MLREL	JB1	JB1
0-449	LAMP DECK LIGHT #1 (OPT LOCATI...	LDLT	-	J544
0-450	SP796	-	-	J542
0-490	-	P42263	SP797	-
0-491	SP797	-	SWITCH HEDWELD LIMIT	-
0-492	SP797	-	SWITCH HEDWELD LIMIT	-
0-500	-	J712	TB-HTST	TB-HTST-D4
0-501	HEATER COOLANT LH	-	TB-HTST	TB-HTST-C1
0-502	HEATER COOLANT RH	-	TB-HTST	TB-HTST-C2
0-503	SP801	-	OIL RESERVE SYS	P502_CP
0-504	SP706	-	THERMOSTAT ENGINE OIL	EOTS
0-505	SP706	-	TB-HTST	TB-HTST-E1
0-506	SP706	-	SP705	-
0-507	HEATER ENGINE OIL LH	EOH1	SP705	-
0-508	SP705	-	HEATER ENGINE OIL RH	EOH2
0-509	TB-HTST	TB-HTST-D2	-	CON1
0-510	SP709	-	-	CON2
0-511	HEATER HYDRAULIC OIL #1	HOHTR1	SP709	-
0-512	SP709	-	HEATER HYDRAULIC OIL #2	HOHTR2
0-513	SP801	-	-	P11
0-514	-	CON3	TB-HTST	TB-HTST-E2
0-515	HEATER OIL RESERVE TANK	ECHTR2	-	CON4
0-516	BATT1	BAT1(+)	BATT2	BAT2(-)
0-517	BATT3	BAT3(+)	BATT4	BAT4(-)
0-518	OIL RESERVE SYS	P506_CP	-	P11
0-519	SP777	-	-	P830
0-521	-	J12	SP15	-
0-522	-	J11	SP15	-
0-523	HEATED HOSE RELAY	TSW-85	SP15	-
0-524	SP004	-	OIL RESERVE SYS	CM1_LSW_CP
0-525	SP004	-	OIL RESERVE SYS	CM2_FVAL_CP
0-526	SP004	-	OIL RESERVE SYS	ORS_FVAL_CP
0-527	SP801	-	OIL RESERVE SYS	P501_CP
0-600	TB31	TB31-V4	TB31	TB31-L3
0-601	GB31-A AUXBOX GND BLCK	GB31A-D4	TB31	TB31-L3
0-602	R2	R2	GB31-B2 AUXBOX GND BLCK	GB31B-B5
0ACL-000	-	J01	ACCELERATOR PEDAL	P236
0ACL-001	TB31	TB31-W2	-	P01
0ACL-002	GE CONTROL INTERFACE	P303	TB31	TB31-W3
0ACL-003	GE CONTROL INTERFACE	P304	TB31	TB31-W1
0COM-000	-	J02	GE DID PANEL	DID
0COM-001	-	P02	TB22	TB22-S2
0COM-002	TB22	TB22-S1	SP181	-
0COM-003	TB22	TB22-S3	SP182	-
0COM-004	GE CONTROL INTERFACE	P302	SP181	-
0COM-005	GE CONTROL INTERFACE	P302	SP181	-
0COM-006	GE CONTROL INTERFACE	P302	SP181	-
0COM-007	GE CONTROL INTERFACE	P302	SP182	-
0COM-008	GE CONTROL INTERFACE	P302	SP182	-
0COM-009	GE CONTROL INTERFACE	P302	SP182	-
0LEV-000	-	J01	RETARD CONTROL LEVER (OPT)	P237
0LEV-001	TB31	TB31-L2	-	P01
0LEV-002	GE CONTROL INTERFACE	P302	TB31	TB31-L1
0LF-000	-	P13	SENSOR LEFT FRONT WHEEL SPEED	P507
0LF-001	TB33	TB33-P2	-	J13
0LF-002	GE CONTROL INTERFACE	P301	TB33	TB33-P1
0LF-003	GE CONTROL INTERFACE	P301	TB33	TB33-P3
0RET-000	-	J01	RETARD CONTROL PEDAL	P235
0RET-001	TB31	TB31-V2	-	P01
0RET-002	GE CONTROL INTERFACE	P302	TB31	TB31-V1
0RF-000	-	P13	SENSOR RIGHT FRONT WHEEL SPEED	P501
0RF-001	-	J13	TB33	TB33-K2
0RF-002	GE CONTROL INTERFACE	P301	TB33	TB33-K1
0RF-003	GE CONTROL INTERFACE	P301	TB33	TB33-K3
1M-000	RELAY MASTER DISCONNECT	MLREL	LAMP LED MASTER DISCONNECT OPE...	MLLO
1S-000	RELAY STARTER LOCKOUT	SLREL	LAMP LED STARTER LOCKOUT OPEN	SLLO
5EPQ-000	ENGINE QSK60 INTERFACE TIER I	P805-	ENGINE QSK60 INTERFACE TIER I	P805-
5VDI-000	-	J02	GE DID PANEL	DID
5VDI-001	TB21	TB21-W2	-	P02
5VDI-002	TB21	TB21-W1	GE CONTROL INTERFACE	P302
5VDI-003	GE CONTROL INTERFACE	P302	TB21	TB21-W1
5VDI-004	TB21	TB21-W3	GE CONTROL INTERFACE	P302
5VDI-009	-	J15	-	J702
5VDI-010	-	P15	-	RRBPS_CP
5VDI-011	-	J15	-	J702
5VDI-012	-	P15	-	LRBPS_CP
5VIM-000	TB30	TB30-K1	INTERFACE MODULE	IM3
5VIM-001	TB30	TB30-K1	INTERFACE MODULE	IM3
5VIM-002	-	J14	TB30	TB30-K2
5VIM-003	TB30	TB30-K4	-	J14
5VIM-004	TB30	TB30-K3	-	J14
5VIM-005	-	P14	SENSOR BRAKE TEMP RH REAR	P710
5VIM-006	-	J14	TB30	TB30-L2
5VIM-007	-	P14	SENSOR DUCT AIR TEMPERATURE	ATS
5VIM-008	-	J14	TB30	TB30-L4
5VIM-009	-	P14	SENSOR BRAKE TEMP LH REAR	P709
5VIM-010	-	P14	SENSOR BRAKE TEMP RH FRONT	P708
5VIM-011	-	P14	SENSOR BRAKE TEMP LH FRONT	P707
7HMWU-000	ORBCOMM MODULE (OPT)	CNA	KOMTRAX PLUS MODULE	P2A
7M1A1	GE CONTROL CABINET	IPT1AX2	MOTOR WHEEL DRIVE # 1	MTR1-TA1
7M1A2	GE CONTROL CABINET	IPT1AX3	MOTOR WHEEL DRIVE # 1	MTR1-TA2
7M1B1	GE CONTROL CABINET	IPT1BX2	MOTOR WHEEL DRIVE # 1	MTR1-TB1
7M1B2	GE CONTROL CABINET	IPT1BX3	MOTOR WHEEL DRIVE # 1	MTR1-TB2
7M1C1	GE CONTROL CABINET	IPT1CX2	MOTOR WHEEL DRIVE # 1	MTR1-TC1
7M1C2	GE CONTROL CABINET	IPT1CX3	MOTOR WHEEL DRIVE # 1	MTR1-TC2
7M2A1	GE CONTROL CABINET	IPT2AX2	MOTOR WHEEL DRIVE # 2	MTR2-TA1
7M2A2	GE CONTROL CABINET	IPT2AX3	MOTOR WHEEL DRIVE # 2	MTR2-TA2
7M2B1	GE CONTROL CABINET	IPT2BX2	MOTOR WHEEL DRIVE # 2	MTR2-TB1
7M2B2	GE CONTROL CABINET	IPT2BX3	MOTOR WHEEL DRIVE # 2	MTR2-TB2
7M2C1	GE CONTROL CABINET	IPT2CX2	MOTOR WHEEL DRIVE # 2	MTR2-TC1
7M2C2	GE CONTROL CABINET	IPT2CX3	MOTOR WHEEL DRIVE # 2	MTR2-TC2
10V-000	GE CONTROL INTERFACE	P303	TB31	TB31-M1
10V-001	-	P02	TB31	TB31-M2
10V-003	-	J01	ACCELERATOR PEDAL	P236
10V-004	-	J01	RETARD CONTROL PEDAL	P235
10V-005	-	J01	RETARD CONTROL LEVER (OPT)	P237
10V-006	-	J02	RETARD SPEED CONTROL	RSP
10V-007	TB31	TB31-N3	R17	R17
10V-008	TB31	TB31-M4	-	P01
10V-009	TB31	TB31-N2	-	P01
10V-010	TB31	TB31-N4	-	P01
11-000	BATT2	BAT2(+)	BUSS BAR 24VDC BATT BOX	BUS24V-1
11-001	BATT4	BAT4(+)	BUSS BAR 24VDC BATT BOX	BUS24V-6
11-002	BUSS BAR 24VDC BATT BOX	BUS24V-11	BUSS BAR 11	SDISC-1
11-003	BUSS BAR 24VDC BATT BOX	BUS24V-10	BUSS BAR 11	SDISC-2
11-004	24VDC AUXBOX BUSS	24VDC-A2	RELAY KEY SWITCH (KSWPR)	KSWPR-88
11-005	24VDC AUXBOX BUSS	24VDC-A4	RELAY KEY/GE CNTRL PWR (KCNPR)	KCNPR-88
11-006	CB60	CB60-1	24VDC AUXBOX BUSS	24VDC-A3
11-007	BUSS BAR 24VDC BATT BOX	BUS24V-8	24VDC AUXBOX BUSS	24VDC-A1

WIRE LIST

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
11-008	ENGINE JUMP START1	-	BUSS BAR 24VDC BATT BOX	BUS24V-2
11-009	ENGINE JUMP START2	-	BUSS BAR 24VDC BATT BOX	BUS24V-3
11-010	24VDC AUXBOX BUSS	24VDC-B1	VEC-90	VEC90-P2
11-011	24VDC AUXBOX BUSS	24VDC-B4	VEC-91	VEC91-S5A
11-012	24VDC AUXBOX BUSS	24VDC-B2	VEC-89	VEC89-S8A
11-013	24VDC ALTERNATOR	ALT_SEN	BUSS BAR 24VDC BATT BOX	BUS24V-9
11-020	LAMP LED MASTER DISCONNECT CL...	MLLON	BUSS BAR 11	SDISC-7
11-021	BUSS BAR 11	SDISC-7	RELAY MASTER DISCONNECT	MLREL
11-022	RELAY MASTER DISCONNECT	MLREL	RELAY MASTER DISCONNECT	MLREL
11-025	RELAY ENG STARTER 1 (ESREL1)	ESREL1-88	BUSS BAR 24VDC BATT BOX	BUS24V-4
11-026	BUSS BAR 24VDC BATT BOX	BUS24V-5	RELAY ENG STARTER 2 (ESREL2)	ESREL2-88
11-027	BUSS BAR 24VDC BATT BOX	BUS24V-7	24VDC ALTERNATOR	ALT(+)
11-028	SWITCH PROPEL LOCKOUT (PLOS)	PLOS-F2	RELAY 1 PROPEL LOCKOUT	PLREL
11-029	SWITCH PROPEL LOCKOUT (PLOS)	PLOS-F2	BUSS BAR 11	SDISC-6
11-030	BUSS BAR 11	SDISC-6	RELAY STARTER LOCKOUT	SLREL
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11A-001	TB35	TB35-A1	RELAY VEHICLE HORN POWER (HPR)	HPR-88
11A-002	TB35	TB35-A2	-	J16
11A-003	TB35	TB35-B2	-	P240
11A-004	TB35	TB35-B4	-	P02
11A-005	-	P16	TB60	TB60-L1
11A-006	TB60	TB60-L2	-	P704
11A-008	-	J240	SWITCH HYDRAULIC LAMP	HLSW-2
11A-011	RELAY VEHICLE HORN POWER (HPR)	HPR-88	RELAY VEHICLE HORN POWER (HPR)	HPR-86
11A-012	-	DIAG4	-	J02
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11A1-001	LAMP HYDRAULIC CABINET #1	HL1	SP171	-
11A1-002	SP171	-	LAMP HYDRAULIC CABINET #2	HL2
11B1-000	12VDC CONVERTER (12VCN)	12VCN-12VB	TB24	TB24-L1
11B1-001	12VDC CONVERTER (12VCN)	12VCN-12VA	12V POWER RELAY (12VPR)	12VPR-88
11B1-002	TB24	TB24-L4	-	VEC91-P10
11B1-003	TB24	TB24-L3	INTERFACE MODULE	IM3
11B5-000	CB60	CB60-2	12VDC CONVERTER (12VCN)	12VCN-24VA
11D-000	VEC-89	VEC89-P2	TB22	TB22-A1
11D-001	TB22	TB22-A2	-	P03
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11D-003	SWITCH HEADLIGHTS	P25	SWITCH HEADLIGHTS	P25
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11DISP-001	TB23	TB23-G1	-	P01
11DISP-003	-	J01	ACTIA DASH DISPLAY	P903
11DSL-000	VEC-89	VEC89-P12	RELAY ACCESS LADDER LIGHT (ALL...	ALLR-88
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11E1-001	TB27	TB27-A1	-	P808
11E1-002	TB27	TB27-A3	-	P808
11E1-003	-	J808	SP112	-
11E1-004	SP112	-	-	J808
11E1-005	ENGINE QSK60 INTERFACE TIER II	P804	SP112	-
11E1-006	-	J808-	ENGINE QSK60 INTERFACE TIER I	P805-
11E2-000	TB27	TB27-B2	-	VEC91-P2
11E2-001	-	P808	TB27	TB27-B1
11E2-002	-	P808	TB27	TB27-B3
11E2-003	-	J808	SP113	-
11E2-004	SP113	-	-	J808
11E2-005	ENGINE QSK60 INTERFACE TIER II	P804	SP113	-
11E2-006	-	J808-	ENGINE QSK60 INTERFACE TIER I	P805-
11E3-000	TB27	TB27-C2	-	VEC91-P2
11E3-001	-	P808	TB27	TB27-C1
11E3-002	-	P808	TB27	TB27-C3
11E3-003	-	J808	SP114	-
11E3-004	-	J808	SP114	-
11E3-005	ENGINE QSK60 INTERFACE TIER II	P804	SP114	-
11E4-000	TB27	TB27-D2	-	VEC91-P2
11E4-001	TB27	TB27-D1	-	P808
11E4-002	ENGINE QSK60 INTERFACE TIER II	P804	-	J808
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11ER-001	TB22	TB22-D2	-	P03
11ER-002	TB22	TB22-D3	-	P03
11ER-003	-	J03	SP155	-
11ER-004	-	J03	SP155	-
11ER-005	-	J601_CP	SP155	-
11FS-000	-	VEC91-P11	TB22	TB22-F1
11FS-001	TB22	TB22-F2	-	P03
11FS-002	-	J602_CP	-	J03
11H-000	TB22	TB22-B1	RELAY VEHICLE HORN POWER (HPR)	HPR-85
11H-001	-	P03	TB22	TB22-B2
11H-002	-	J03	SWITCH HORN BUTTON	P120
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11HH-002	HEATED HOSE RELAY	TSW-88	ORS RELAY	ORS-86
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11HS-002	-	P540	-	P503
11HS-003	-	J503	SP167	-
11HS-004	SP167	-	HORN FRONT VEHICLE	AHS
11HS-005	D1	D1	SP167	-
11IM2-000	VEC-91	VEC91-P4	INTERFACE MODULE	IM1
11INT-000	VEC-91	VEC91-P3	INTERFACE MODULE	IM1
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11KS-002	-	J12	TB24	TB24-H1
11KS-003	TB24	TB24-H1	VEC-90	VEC90-P1
11KS-004	-	P03	TB24	TB24-H2
11KS-005	-	J536	SWITCH LEFT GROUND LEVEL SHUTD...	ESDS -1
11KS-006	-	J03	SWITCH KEY (KEYSW)	KEYSW-B
11KS-007	-	P11	-	P533_CP
11KS-008	-	J11	TB24	TB24-H1
11KS-009	-	J533	SWITCH RIGHT GROUND LEVEL SHUT...	ESDSR-1
11L-000	VEC-91	VEC91-P3	TB22	TB22-C1
11L-001	TB22	TB22-C2	-	P03
11L-002	-	J03	TB10	TB10-G1
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11ORS-002	-	VEC91-P4	TB28	TB28-D2
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11PHH-000	-	J12	SP780	-
11PHH-001	HEATED HOSE RELAY	TSW-88A	SP780	-
11PHH-002	SP805	-	OIL RESERVE SYS	P502_CP
11PHH-003	SP805	-	-	P11
11PHH-004	-	J11	SP780	-
11PHH-005	SP805	-	OIL RESERVE SYS	P501_CP
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WIRE LIST

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11RB-002	TB22	TB22-E2	-	J11
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11RB-004	TB22	TB22-E3	-	P04
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11RB-007	-	P541	-	P502
11RB-008	-	P503	-	P540
11RB-009	-	J502	-	P548_CP
11RB-010	-	P549_CP	-	J503
11RB-011	-	J04	-	RRBB1
11RCNT-000	-	VEC91-P4	TB28	TB28-L1
11RCNT-001	TB28	TB28-L1	-	J12
11RCNT-002	-	P12	OIL RESERVE SYS	P505_CP
11RCNT-003	-	J11	TB28	TB28-L1
11RCNT-004	-	P11	OIL RESERVE SYS	P180_CP
11RWL	ACTIA DASH DISPLAY	P902	-	J01
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11RWL-002	TB35	TB35-P2	INTERFACE MODULE	IM1
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11S-001	SP106	-	-	J12
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11S-006	-	J533	SWITCH RIGHT GROUND LEVEL SHUT...	ESDSR-2
11SL-000	-	VEC91-P4	TB24	TB24-A1
11SL-001	TB24	TB24-A1	TIMER (1HR) ENGINE SERVICE LAM...	ESLT-C
11SL-002	TB24	TB24-A1	TIMER (1HR) HYDRAULIC PUMP MOD...	HPLT-C
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11SM1-001	-	P801	TB28	TB28-F1
11SM1-002	TB28	TB28-F2	INTERFACE MODULE	IM3
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11SM2-000	MOTOR STARTER 2 (STRT2)	STRT2-4A	-	J801
11SM2-001	-	P801	TB28	TB28-G1
11SM2-002	TB28	TB28-G2	INTERFACE MODULE	IM3
11SM2-003	-	J801-	-	STRT2-4A-
11ST-000	BUSS BAR 11ST	SDISC-4	FUSE LINK1 (150A)	FUS-1
11ST-001	BUSS BAR 11ST	SDISC-3	MOTOR STARTER 1 (STRT1)	STRT1-1A
11ST-002	BUSS BAR 11ST	SDISC-5	MOTOR STARTER 2 (STRT2)	STRT2-1A
11ST-003	MOTOR STARTER 1 (STRT1)	STRT1-1C	MOTOR STARTER 2 (STRT2)	STRT2-1B
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11ST-006	BUSS BAR 11ST	SDISC-8	LAMP LED STARTER LOCKOUT CLOSE...	SLON
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12DP-002	-	P12	-	P830
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12H-000	-	VEC91-P9	TB22	TB22-G1
12H-001	TB22	TB22-G2	-	P03
12H-002	-	J03	-	P140
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12VREG-002	TB21	TB21-B3	-	P03
12VREG-003	-	J03	SP156	-
12VREG-004	-	J03	SP156	-
12VREG-005	SP156	-	-	J601_CP
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15SLW-002	GE CONTROL INTERFACE	P301	TB33	TB33-S1
15SLW-003	SP729	-	-	P57_CP
15SLW-005	SP729	-	-	J13
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15SRW-002	GE CONTROL INTERFACE	P301	TB33	TB33-M1
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18VIM-001	TB30	TB30-W1	-	J14
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18VIM-006	-	P16	SENSOR HOIST PRESSURE #2	HPS2
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21ORR-003	TB27	TB27-L3	-	J11
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21ORR-005	-	J12	TB27	TB27-L3
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21PT-012	D87	D87	SP107	-
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21S-002	TB22	TB22-H4	VEC-91	VEC91-P2
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