CEBM029900

Shop Manual

830E-1AC

DUMP TRUCK

SERIAL NUMBERS **A40962 & UP**

KOMATSU®

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Table 4: Engine Fault Codes (continued)					
KOMTRAX Plus Fault Code	KOMTRAX PLUS Fault Description	Source	Sent via ORBCOMM	Snapshot Trigger	Model Notes
C633	Low Power #3 RB	Engine			All
C634	Low Power #4 RB	Engine			All
C635	Low Power #5 RB	Engine			All
C636	Low Power #6 RB	Engine			All
C637	Low Power #7 RB	Engine			All
C638	Low Power #8 RB	Engine			All
C639	Intake Air Leak LBR	Engine	X	X	All
C641	High Exh Temp #1 LB	Engine		X	All
C642	High Exh Temp #2 LB	Engine		X	All
C643	High Exh Temp #3 LB	Engine		X	All
C644	High Exh Temp #4 LB	Engine		X	All
C645	High Exh Temp #5 LB	Engine		X	All
C646	High Exh Temp #6 LB	Engine		X	All
C647	High Exh Temp #7 LB	Engine		X	All
C648	High Exh Temp #8 LB	Engine		X	All
C649	Change Lubricating Oil and Filter	Engine			All
C651	High Exh Temp #1 RB	Engine		X	All
C652	High Exh Temp #2 RB	Engine		X	All
C653	High Exh Temp #3 RB	Engine		X	All
C654	High Exh Temp #4 RB	Engine		X	All
C655	High Exh Temp #5 RB	Engine		X	All
C656	High Exh Temp #6 RB	Engine		X	All
C657	High Exh Temp #7 RB	Engine		X	All
C658	High Exh Temp #8 RB	Engine		X	All
C661	High Power #1 LB	Engine			All
C662	High Power #2 LB	Engine			All
C663	High Power #3 LB	Engine			All
C664	High Power #4 LB	Engine			All
C665	High Power #5 LB	Engine			All
C666	High Power #6 LB	Engine			All
C667	High Power #7 LB	Engine			All
C668	High Power #8 LB	Engine			All
C671	Exh Temp Ckt Failed Low #1 LB	Engine			All
C672	Exh Temp Ckt Failed Low #2 LB	Engine			All
C673	Exh Temp Ckt Failed Low #3 LB	Engine			All
C674	Exh Temp Ckt Failed Low #4 LB	Engine			All
C675	Exh Temp Ckt Failed Low #5 LB	Engine			All

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Fault Code A139 & A310: Low fuel level warning

Operator Action	Go To Shop Now
Fault Code	A139 & A310
Description	A139 is a low fuel level warning for storage by KOMTRAX Plus and for use by A310. A310 is a low fuel warning driver that activates display elements in response to A139.
Fault Conditions	A139 sets after 15 seconds of fuel level readings below 10 % of full if the key switch is on, low voltage due to cranking is not sensed, and the fuel level sensor is not high. A139 resets after 1 minute if fuel level recovers to 15 % of full. A310 sets if A139 is on. It stays on for 3.3 seconds to flash the lamp and buzzer, then waits 15 minutes before trying again.
Operator Alerting System Response	Sound Buzzer Operate IM Warning Indicator Display Operator Action: REFUEL SOON Display Fault Description: LOW FUEL LEVEL Display Fault Code: A310
Resulting Problem(s)	Possible running out of fuel on haul road. Possible engine damage.
Related Information	A laptop running "IM Realtime Data Monitor" software may be required to resolve this fault.

Table

1. The primary correction for this fault is to add fuel to the tank.
2. 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).
3. 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.
4. 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)**
Fuel Level Sensor (IM3 g)	0.57 to 8.2 Volts: Good Readings at 24 Volt Battery (varies with battery voltage) < 0.57 or > 8.2 Volts: Defective Sensor or Circuit at 24 Volt Battery (varies with battery voltage) Fault(s): A105, A158
Battery Voltage, 24 Volt (IM1 A)	> 18 Volt: Good Reading < 18 Volt: Low battery voltage (while cranking) blocks this fault code. Fault(s): A153, A154, A155
Keyswitch (IM3 G)	0: keyswitch is off and the truck is not moving and the engine is not running 1: keyswitch is on or the truck is moving (GE power not yet off) Fault(s): A240
Engine Speed [RPM] (CAN/J1939) (IM1 q,r,s)	Less than 600 RPM: combined with low voltage means cranking is in process and fault is blocked Greater than 300 RPM for 4 seconds: engine is running Fault(s): A184

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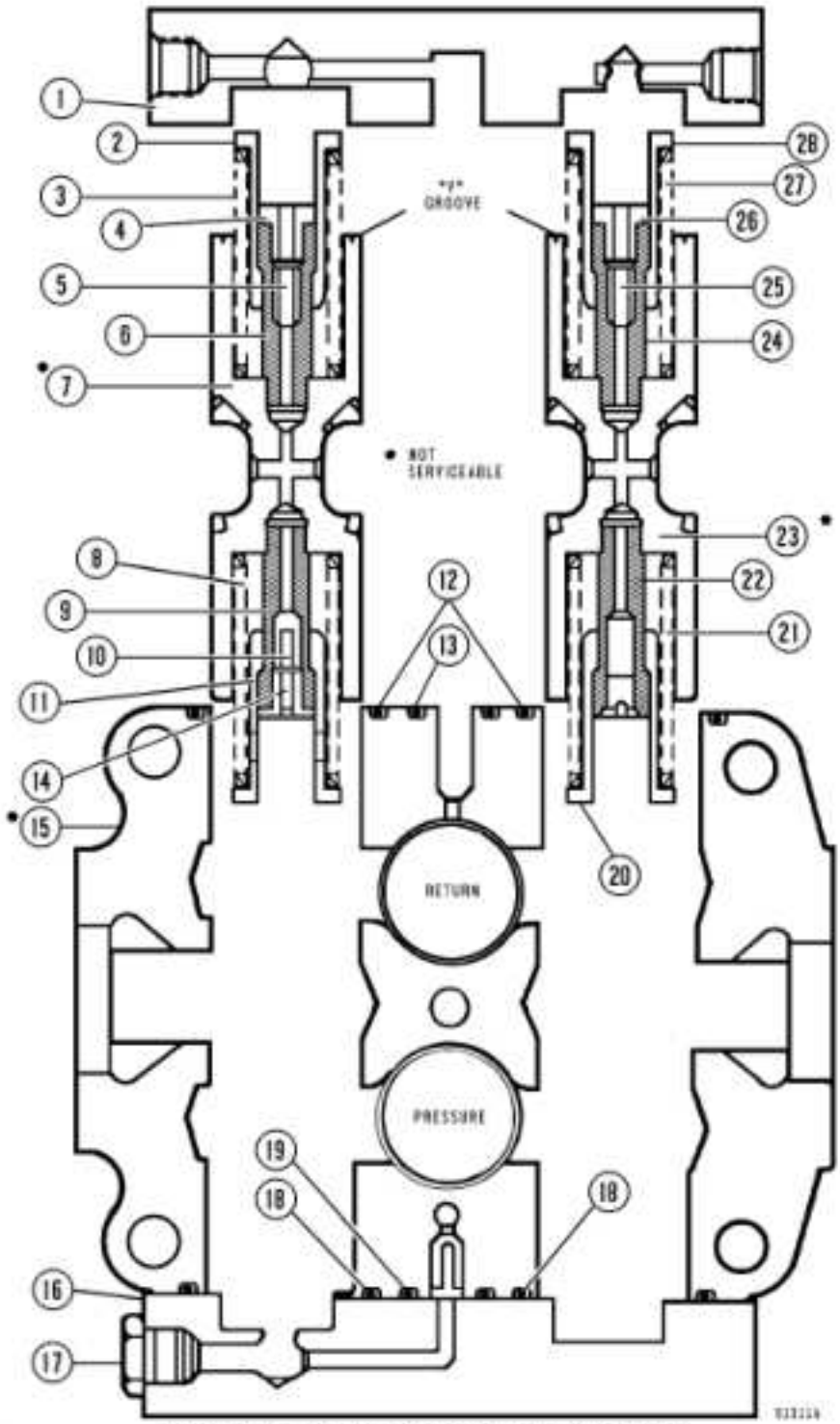


FIGURE 8-10. SPOOL SECTION ASSEMBLY

1. Cover
2. Spring Seat
3. Spring
4. Plug
5. Poppet (Red)
6. Spool End
7. Spool
8. Spring (Blue)
9. Spool End
10. Poppet (White)
11. Spring Seat
12. O-Ring
13. O-Ring
14. Plug
15. Spool Housing
16. Cover
17. Plug
18. O-Ring
19. O-Ring
20. Spring Seat
21. Spring (Blue)
22. Spool End
23. Spool
24. Spool End
25. Poppet (Green)
26. Plug
27. Spring
28. Spring Seat

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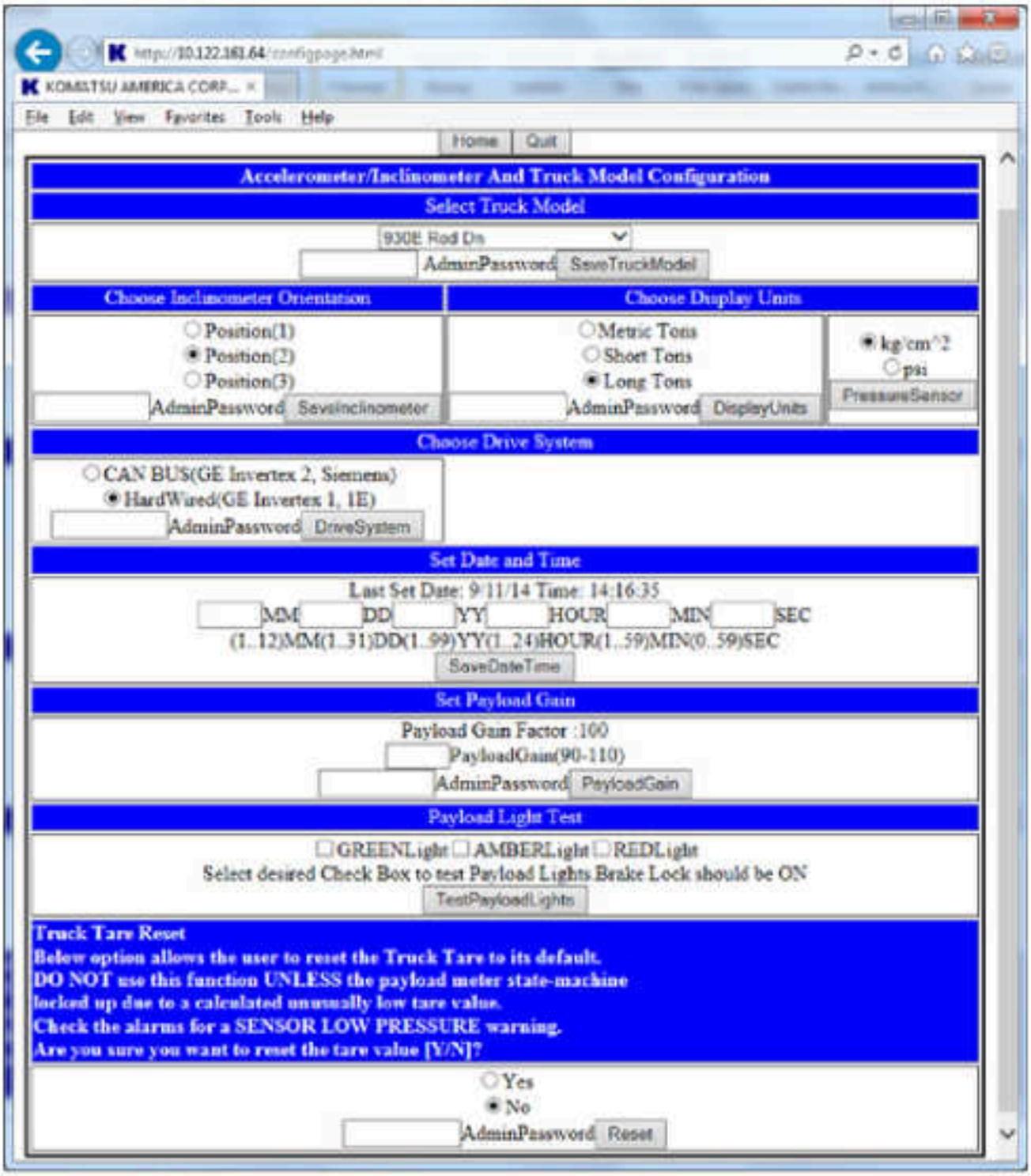


FIGURE 20-11. ACCELERATOR/INCLINOMETER AND TRUCK MODEL CONFIGURATION SCREEN

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MONITOR DISPLAY

After the keyswitch is moved to the ON position, the KomVision® logo will be shown on the monitor display for 30 seconds while the system starts up. Then, normal camera images will be shown.

Camera Display Modes

The single display mode will be shown on the monitor display when:

- the direction control lever is moved to the REVERSE position.
- the display mode switch is used to select the single display mode.

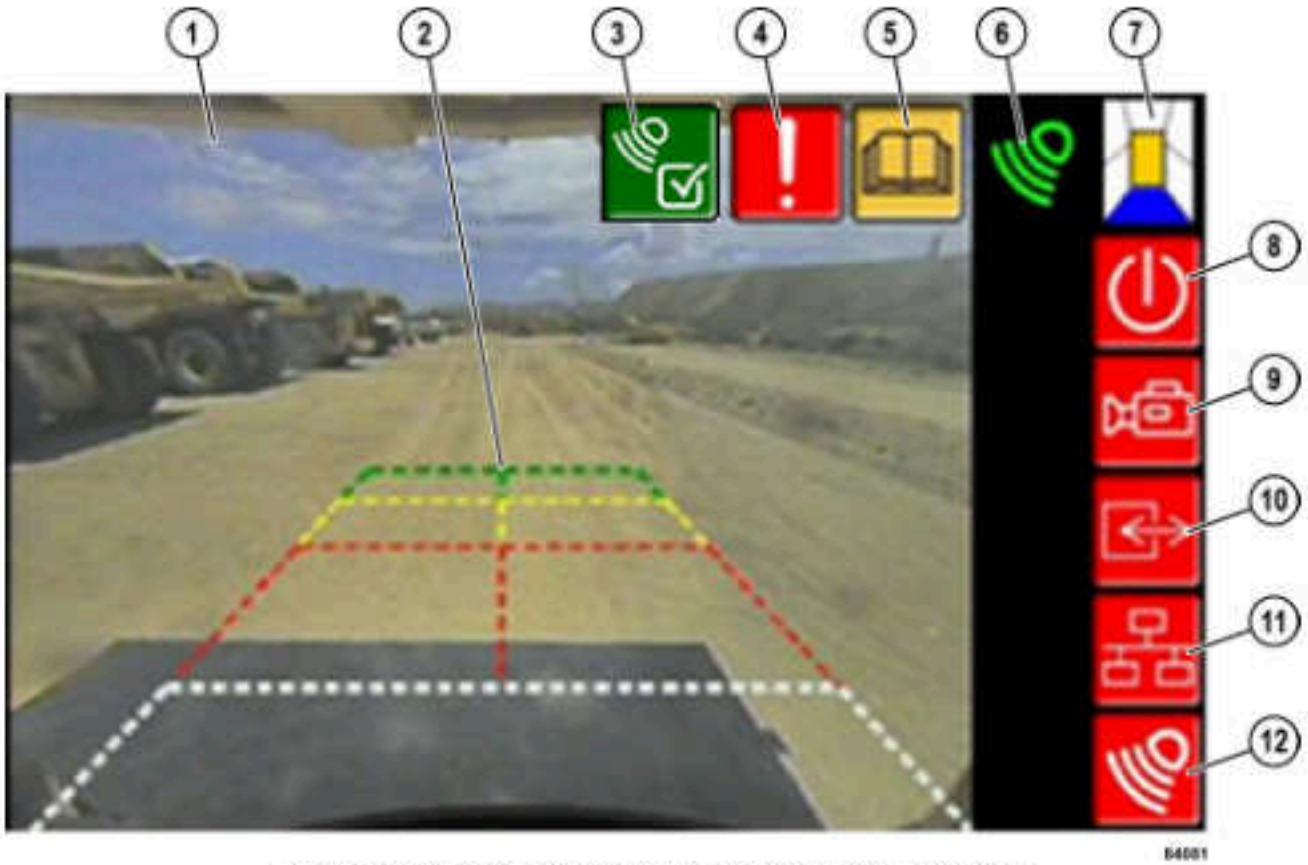


FIGURE 33-6. MONITOR DISPLAY - SINGLE DISPLAY MODE

1. Camera Display
2. Reference Lines
3. Radar Startup Inspection Mode Indicator
4. Fault Indicator
5. Read Manual Indicator
6. Radar System On/Off Indicator
7. Bird's Eye Camera Indicator
8. System Error Indicator
9. Camera Error Indicator
10. Input/Output Error Indicator
11. Communication Error Indicator
12. Radar Error Indicator

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WIRE TABLE

CONTINUED ON DIAGRAM 20 & 22

NAME	DEVICE FROM	CONN FROM	DEVICE TO	CONN TO
12VR-009	JB10X	JB10X	-	P09X_CP
12VR-010	-	JB9X	-	P16X
12VR-011	-	JB9X	-	P16X
12VR-014	RADAR 7 KOMVISE...	J127	-	JB9X
12VR-015	RADAR 8 KOMVISE...	J128	-	JB9X
12VR-016	SP092	-	JB10X	JB10X
12VR-017	SP092	-	JB9X	JB9X
12VR-019	RADAR 4 KOMVISE...	J124	-	J01X
12VR-020	-	P01X_CP	JB9X	JB9X
12VR-021	RADAR 2 KOMVISE...	J122	-	J01X
12VR-022	RADAR 3 KOMVISE...	J123	-	J01X
12VR-023	SP092	-	RELAY RADAR POWER (RPR)	RPR_K
12VREG-000	VEC-91	VEC91-P11	TB21	TB21-B1
12VREG-001	TB21	TB21-B2	-	P03
12VREG-002	TB21	TB21-B3	-	P03
12VREG-003	-	J03	SP156	-
12VREG-004	-	J03	SP156	-
12VREG-005	SP156	-	-	J601_CP
13CA-001	-	J538	RELAY CAB LADDER ALARM	CAR_K
13CA-002	-	P538_JP	-	P46
13CA-003	TB21	TB21-C1	INTERFACE MODULE	IM2
13CA-005	TB21	TB21-C1	-	J46
13GLA-000	RELAY GROUND LE...	GLAR_K	ALARM GROUND LEVEL LADDER (GLA...	GLA(+)
13HS-000	RELAY LADDER UP	LUR_K	SWITCH GROUND LEVEL LADDER OVE...	GLORSW-A1
13LL-000	-	J538	RELAY CAB LADDER LIGHT	CLLR_K
13LS-000	SWITCH GROUND L...	GLORSW-A4	SP399	-
13LS-001	D7	D7	SP399	-
13LS-002	SP399	-	SOLENOID HYDRAULIC LADDER	LSOL
15SLW-001	TB33	TB33-S2	SP729	-
15SLW-002	GE CONTROL INTE...	P301	TB33	TB33-S1
15SLW-003	SP729	-	-	P57_CP
15SLW-005	SP729	-	-	J13
15SLW-006	-	P13	SENSOR LEFT FRONT WHEEL SPEED	P507
15SRW-001	TB33	TB33-M2	SP728	-
15SRW-002	GE CONTROL INTE...	P301	TB33	TB33-M1
15SRW-003	SP728	-	-	P56_CP
15SRW-004	-	J13	SP728	-
15SRW-005	-	P13	SENSOR RIGHT FRONT WHEEL SPEED	P501
15VDI-000	-	J02	GE DID PANEL	DID
15VDI-001	-	P02	TB21	TB21-T4
15VDI-002	GE CONTROL INTE...	P302	TB21	TB21-T1
15VDI-003	GE CONTROL INTE...	P302	TB21	TB21-T3
15VDI-004	TB21	TB21-T2	R17	R17
18VIM-000	INTERFACE MODUL...	IM3	TB30	TB30-W1
18VIM-001	TB30	TB30-W1	-	J14
18VIM-002	-	P14	SENSOR STEERING PRESSURE	SPS
18VIM-003	-	J16	TB30	TB30-W2
18VIM-004	-	P16	SENSOR HOIST PRESSURE #1	HPS1
18VIM-005	-	J16	TB30	TB30-W2
18VIM-006	-	P16	SENSOR HOIST PRESSURE #2	HPS2
18VIM-007	-	P240	TB30	TB30-W4
18VIM-008	SENSOR BRAKE PR...	BPS	-	J240
21NSL-000	ENGINE QSK60 IN...	P805	-	J808
21NSL-001	-	P808	TB27	TB27-E1
21NSL-002	ENGINE QSK60 IN...	P805-	-	J808-
21NSL-003	TB27	TB27-E2	INTERFACE MODULE	IM3
21NSL-004	TB27	TB27-E4	R51	R51
21OR-000	ENGINE QSK60 IN...	P805	-	J808
21OR-001	-	P808	TB27	TB27-K1
21OR-002	TB27	TB27-K3	-	J11
21OR-005	-	J12	TB27	TB27-K3
21OR-006	-	P12	-	P504_CP
21ORR-000	ENGINE QSK60 IN...	P805	-	J808
21ORR-001	-	P808	TB27	TB27-L1
21ORR-003	TB27	TB27-L3	-	J11
21ORR-005	-	J12	TB27	TB27-L3
21ORR-006	-	P12	-	P504_CP
21PL-000	RELAY ENGINE PR...	P800	RELAY ENGINE PRELUBE MAG SWITC...	PLMS-(+)
21PL-001	D87	D87	RELAY ENGINE PRELUBE MAG SWITC...	PLMS-(+)
21PS-000	VEC-91	VEC91-P3	TB28	TB28-H1
21PS-001	TB28	TB28-H2	-	P801
21PS-002	-	J801	-	J815
21PS-003	SP108	-	-	P815
21PS-004	SWITCH ENGINE P...	PLPSW	SP108	-
21PS-005	SP108	-	RELAY ENGINE PRELUBE	P800
21PS-006	-	J801-	-	J815-
21PT-000	-	P12	RELAY ENG STARTER 1 (ESREL1)	ESREL1-86
21PT-001	-	J12	TB28	TB28-J1
21PT-002	-	J801	-	J815
21PT-003	SWITCH ENGINE P...	PLPSW	SP107	-
21PT-004	SP107	-	RELAY ENGINE PRELUBE	P800
21PT-005	SP107	-	RELAY ENGINE PRELUBE	P800
21PT-006	-	P815	SP107	-
21PT-007	-	P801	TB28	TB28-J3
21PT-009	RELAY ENG START...	ESREL1-86	RELAY ENG STARTER 2 (ESREL2)	ESREL2-86
21PT-010	INTERFACE MODUL...	IM3	TB28	TB28-J1
21PT-011	-	J801-	-	J815-
21PT-012	D87	D87	SP107	-
21S-000	SWITCH KEY (KEY...	KEYSW-C	-	J03
21S-001	-	P03	TB22	TB22-H1
21S-002	TB22	TB22-H4	VEC-91	VEC91-P2
21S-003	TB22	TB22-H2	INTERFACE MODULE	IM2
21SL-000	VEC-91	VEC91-P4	INTERFACE MODULE	IM1
22C-000	JB41	JB41	SWITCH A/C RECIEVER DRYER T2	RECDR
22C-001	JB41	JB41	-	J808
22C-002	ENGINE QSK60 IN...	P806	JB41	JB41
22C-003	ENGINE QSK60 IN...	P806	JB41	JB41
22C-005	-	P808	TB27	TB27-G1
22C-006	-	J808-	JB41-	JB41-
22C-007	SWITCH A/C RECI...	RECDR-T1	JB41-	JB41-
22C-008	JB41-	JB41-	ENGINE QSK60 INTERFACE TIER I	P806-
22C-009	JB41-	JB41-	ENGINE QSK60 INTERFACE TIER I	P805-
22FO-000	ENGINE QSK60 IN...	P806	-	J808
22FO-001	-	P808	TB31	TB31-X1
22FO-002	ENGINE QSK60 IN...	P806-	-	J808-
23F-000	-	J702	TB22	TB22-L1
23F-001	TB22	TB22-L2	-	P02
23F-002	-	J02	SWITCH CAB SECONDARY ENGINE SH...	ESS_1-3
23FA-000	VEC-90	VEC90-P4	-	J702
24CAM-000	SP259	-	KOMVISION CONTROLLER	NTSC1
24CAM-001	-	JX10	CAMERA 1	CAM1
24CAM-002	-	JX11	CAMERA 2	CAM2
24CAM-003	-	JX12	CAMERA 3	CAM3
24CAM-004	JB12B	JB12B	-	PX15_CP
24CAM-005	JB12B	JB12B	-	PX14_CP
24CAM-006	JB12B	JB12B	-	PX13_CP
24CAM-007	JB12B	JB12B	-	PX12_CP
24CAM-008	JB12B	JB12B	-	PX11_CP
24CAM-009	JB12B	JB12B	-	PX10_CP
24CAM-010	-	JX13	CAMERA 4	CAM4
24CAM-011	-	JX14	CAMERA 5	CAM5
24CAM-012	-	JX15	CAMERA 6	CAM6
24CAM-016	SP259	-	JB12B	JB12B
24SON-000	JB4D	JB4D	SONALERT (SONA)	SONA(+)
24SON-001	R16	R16	JB4D	JB4D
24SON-002	D9	D9	JB4D	JB4D
24SON-003	JB4D	JB4D	D10	D10
24VIM-000	INTERFACE MODUL...	IM1	TB32	TB32-H2
24VIM-001	TB32	TB32-H1	VEC-91	VEC91-P2
24VIM-002	TB32	TB32-H1	VEC-89	VEC89-P2
24VIM-004	ACTIA DASH DISP...	P902	-	J01
24VIM-005	TB32	TB32-G1	-	P01
24VIM-006	TB32	TB32-G4	-	P04
24VIM-007	D10	D10	-	J04
24VIM-008	TB32	TB32-H2	-	J14
24VIM-009	-	P14	SENSOR HYDRAULIC TANK LEVEL	P712
25A-000	RELAY ENG START...	ESREL1-88a	MOTOR STARTER 1 (STRT1)	STRT1-3
25B-000	RELAY ENG START...	ESREL2-88a	MOTOR STARTER 2 (STRT2)	STRT2-3
26AV-000	SP221	-	KOMVISION CONTROLLER	NTSC1
26AV-001	SP110	-	-	JX10
26AV-002	SP087	-	CAMERA 1	CAM1
26AV-003	SP110	-	SP087	-
26AV-005	SP244	-	-	PX10_CP
26AV-006	SP221	-	SP244	-
26AV1-000	KOMVISION CONTR...	NTSC1	SP186	-
26AV1-001	-	JX11	SP101	-
26AV1-002	SP089	-	CAMERA 2	CAM2
26AV1-003	SP101	-	SP089	-
26AV1-005	SP120	-	-	PX11_CP
26AV1-006	SP186	-	SP120	-
26AV2-000	KOMVISION CONTR...	NTSC1	SP188	-
26AV2-001	SP098	-	-	JX12
26AV2-002	SP086	-	CAMERA 3	CAM3
26AV2-003	SP238	-	-	PX12_CP
26AV2-004	SP098	-	SP086	-
26AV2-006	SP188	-	SP238	-
26AV3-000	KOMVISION CONTR...	NTSC1	SP190	-
26AV3-001	SP170	-	-	JX13
26AV3-002	SP080	-	CAMERA 4	CAM4
26AV3-003	SP119	-	-	PX13_CP
26AV3-004	SP170	-	SP080	-
26AV3-006	SP190	-	SP119	-
26AV4-000	KOMVISION CONTR...	NTSC1	SP225	-
26AV4-001	SP159	-	-	JX14
26AV4-002	SP079	-	CAMERA 5	CAM5
26AV4-003	SP255	-	-	PX14_CP
26AV4-004	SP159	-	SP079	-
26AV4-006	SP225	-	SP255	-
26AV5-000	KOMVISION CONTR...	NTSC1	SP227	-
26AV5-001	SP095	-	-	JX15
26AV5-002	SP126	-	CAMERA 6	CAM6
26AV5-003	SP102	-	-	PX15_CP
26AV5-004	SP095	-	SP126	-
26AV5-006	SP227	-	SP102	-
27LPR-000	ENGINE QSK60 IN...	P826	-	LP
27LPS-000	ENGINE QSK60 IN...	P826	-	LP
27WR-000	ENGINE QSK60 IN...	P826	-	WIF
27WS-000	ENGINE QSK60 IN...	P826	-	WIF
28E-000	VEC-91	VEC91-P12	-	J12
28E-001	-	P12	-	J542
28E-002	-	P542	-	ETHER_CP
28E-003	-	ETHER2-	SOLENOID ETHER START (OPT)	ESOL
28EC-000	VEC-91	VEC91-P12	TB27	TB27-H2
28EC-001	ENGINE QSK60 IN...	P805	-	J808
28EC-002	-	P808	TB27	TB27-H1
28EC-003	ENGINE QSK60 IN...	P806-	-	J808-
29BUS-000	KOMVISION CONTR...	KVIS-B	SP003	-
29BUS-001	SP005	-	-	JX07
29BUS-002	SP005	-	-	J251X_CP
29BUS-003	-	PX07_CP	-	J02
29BUS-004	-	P02	TB25	TB25-T1
31ILM-000	INTERFACE MODUL...	IM1	TB34	TB34-N2
31IML-001	TB34	TB34-N1	-	P04
31IML-002	SONALERT (SONA)	SONA(-)	SP723	-
31IML-003	SP723	-	-	R16
31IML-004	-	J04	SP723	-
31RR-000	-	J02	SWITCH RETARD SPEED CONTROL (R...	RSCS_2-1
31RR-001	-	P02	TB31	TB31-E2
31RR-002	GE CONTROL INTE...	P304	TB31	TB31-E1
33-000	-	J240	SWITCH PARK BRAKE SET	PBPSW
33-001	TB32	TB32-D2	-	P240
33-002	TB32	TB32-D1	INTERFACE MODULE	IM2
33BP-000	-	J240	SWITCH LOW BRAKE ACCUM PRESSUR...	LBPS
33BP-001	TB32	TB32-E2	-	P240
33BP-002	TB32	TB32-E1	INTERFACE MODULE	IM2
33BPS-000	INTERFACE MODUL...	IM3	TB30	TB30-M2
33BPS-001	-	P240	TB30	TB30-M1
33BPS-002	SENSOR BRAKE PR...	BPS	-	J240
33F-000	-	P14	SWITCH LOW STEERING PRESSURE	ACPSW
33F-001	-	J14	INTERFACE MODULE	IM2
33HP1-000	INTERFACE MODUL...	IM3	TB30	TB30-N1
33HP1-001	TB30	TB30-N1	-	J16
33HP1-002	SENSOR HOIST PR...	HPS1	-	P16
33HP2-000	TB28	TB28-K1	INTERFACE MODULE	IM3
33HP2-001	-	J16	TB28	TB28-K1
33HP2-002	-	P16	SENSOR HOIST PRESSURE #2	HPS2
33J-000	-	J14	SP800	-
33J-001	SP184	-	-	P14
33J-002	SOLENOID STEERI...	ACCBD	SP184	-
33J-003	D26	D26	SP184	-
33J-004	VEC-89	VEC89-P1	SP800	-
33J-005	SP800	-	R2	R2
33JA-000	-	P14	SWITCH STEERING BLEED PRESSURE	SABS
33JA-001	-	J14	INTERFACE MODULE	IM2
33JB-000	INTERFACE MODUL...	IM1	TB30	TB30-D1
33JB-001	TB30	TB30-D4	-	J14
33JB-002	-	P14	SP183	-
33JB-003	SOLENOID STEERI...	ACCBD	SP183	-
33JB-004	D26	D26	SP183	-
33JB-005	R19	R19	TB30	TB30-D2
33LF-000	-	P13	SENSOR LEFT FRONT WHEEL SPEED	P507
33LF-001	TB33	TB33-R2	-	J13
33LF-002	TB33	TB33-R1	GE CONTROL INTERFACE	P301
33LF-003	TB33	TB33-R4	-	P57_CP
33PG-000	-	J15	-	J702
33PG-001	-	P15	-	RRBPS_CP
33PG-002	-	J15	-	J702
33PG-003	-	P15	-	LRBPS_CP
33PLR-000	-	J15	-	J702
33PLR-001	-	P15	-	LRBPS_CP
33PRR-000	-	J15	-	J702
33PRR-001	-	P15	-	RRBPS_CP
33RF-000	-	P13	SENSOR RIGHT FRONT WHEEL SPEED	P501
33RF-001	-	J13	TB33	TB33-L2
33RF-002	GE CONTROL INTE...	P301	TB33	TB33-L1
33RF-003	TB33	TB33-L4	-	P56_CP
33RR-000	-	J02	SWITCH RETARD SPEED CONTROL (R...	RSCS_1-2
33RR-001	SWITCH RETARD S...	RSCS_1-2	SWITCH RETARD SPEED CONTROL (R...	RSCS_1-4
33RR-002	-	P02	TB31	TB31-F2
33RR-003	GE CONTROL INTE...	P303	TB31	TB31-F1
33RS-000	RETARD SPEED CO...	RSP	SWITCH RETARD SPEED CONTROL (R...	RSCS_1-1
33SBA-000	TB25	TB25-W1	GE CONTROL INTERFACE	P305
33SBA-001	TB25	TB25-W2	-	P03
33SBA-002	-	J03	SWITCH BRAKE TEST	P37
33SBA-003	SWITCH BRAKE TE...	P37	SWITCH BRAKE TEST	P37
33SP-000	INTERFACE MODUL...	IM3	TB30	TB30-T1
33SP-001	TB30	TB30-T1	-	J14
33SP-002	-	P14	SENSOR STEERING PRESSURE	SPS
33T-000	-	J240	SWITCH SERVICE BRAKE DEGRADE P...	BDS
33T-001	TB32	TB32-F2	-	P240
33T-002	TB32	TB32-F1	INTERFACE MODULE	IM2
34AT-000	SENSOR DUCT AIR...	ATS	-	P14
34AT-001	-	J14	TB30	TB30-J2
34AT-002	TB30	TB30-J1	INTERFACE MODULE	IM3
34BT1-000	TB30	TB30-G2	-	J14
34BT1-001	TB30	TB30-G1	INTERFACE MODULE	IM3
34BT2-000	TB30	TB30-H2	-	J14
34BT2-001	TB30	TB30-H1	INTERFACE MODULE	IM3
34BT3-000	-	J14	TB30	TB30-C2
34BT3-001	TB30	TB30-C1	INTERFACE MODULE	IM3
34BT4-000	SENSOR HYDRAULI...	P711	-	P14
34BT4-001	-	J14	TB30	TB30-A2
34BT4-002	TB30	TB30-A1	INTERFACE MODULE	IM3
34LL-001	INTERFACE MODUL...	IM2	-	J14
34LL-002	-	P14	SENSOR HYDRAULIC TANK LEVEL	P712
35L2-000	PAY LOAD METER ...	P264	TB36	TB36-L1
35L2-001	-	J162	TB36	TB36-L2
35L3-000	PAY LOAD METER ...	P264	TB36	TB36-M1
35L3-001	-	J162	TB36	TB36-M2
35L4-000	PAY LOAD METER ...	P264	TB36	TB36-N1
35L4-001	-	J162	TB36	TB36-N2
35L7-000	PAY LOAD METER ...	P264	TB36	TB36-R1
35L7-001	SCORE BOARD LEF...	CNLIN	TB36	TB36-R2
35L8-000	PAY LOAD METER ...	P264	TB36	TB36-S1
35L8-001	SCORE BOARD LEF...	CNLIN	TB36	TB36-S2
35L9-000	PAY LOAD METER ...	P264	TB36	TB36-T1
35L9-001	SCORE BOARD LEF...	CNLIN	TB36	TB36-T2
35L10-000	SCORE BOARD RIG...	CNRIN	SCORE BOARD LEFT (OPT)	CNLO
36-000	-	J801	SWITCH ENGINE RUN OIL PRESSURE...	EOPSW2-1
36-001	-	P801	TB28	TB28-A1
36-002	TB28	TB28-A2	VEC-90	VEC90-P9
36-003	-	J801-	SWITCH ENGINE RUN OIL PRESSURE...	EOPSW1-1
36-004	ORS RELAY	ORS-85	TB28	TB28-A3
38G-000	TB35	TB35-C1	INTERFACE MODULE	IM3
38G-001	TB35	TB35-C4	-	J16
38G-002	R15	R15	TB35	TB35-C2
38G-003	-	P16	-	J730
38G-004	SENSOR FUEL LEV...	FLS	-	P730
39-000	-	J702	INTERFACE MODULE	IM2
39-001	-	P702	-	J14
39-002	-	P14	-	ATFS_CP
39A-000	PAY LOAD METER ...	P264	TB34	TB34-S1
39A-001	VEC-90	VEC90-P2	TB34	TB34-S2
39AA-000	VEC-90	VEC90-P3	TB23	TB23-C1
39AA-001	TB23	TB23-C1	-	J11
39AA-002	-	P11	-	J541
39AA-004	-	P541	-	P502
39AA-005	-	J502	LAMP RED PAYLOAD RIGHT	RPLR_CP
39AA-006	TB23	TB23-C1	-	J12
39AA-007	-	P12	-	J540
39AA-008	-	P540	-	P503
39AA-009	-	J503	LAMP RED PAYLOAD LEFT	LPLR_CP
39AP-000	-	J16	-	J702
39AP-001	-	P16	-	J730
39AP-002	-	P730	SWITCH HYDRAULIC FILTER #1	HFSW1
39AP-003	-	J702	-	J14
39AP-004	-	P14	-	ATFS_CP
39B-000	PAY LOAD METER ...	P264	TB34	TB34-R1
39B-001	VEC-90	VEC90-P2	TB34	TB34-R2
39BA-000	VEC-90	VEC90-P2	TB23	TB23-D1
39BA-001	TB23	TB23-D1	-	J11
39BA-002	-	P11	-	J541
39BA-004	-	P541	-	P502
39BA-005	-	J502	LAMP AMBER PAYLOAD RIGHT	RPLA_CP
39BA-006	TB23	TB23-D1	-	J12
39BA-007	-	P12	-	J540
39BA-008	-	P540	-	P503
39BA-009	-	J503	LAMP AMBER PAYLOAD LEFT	LPLA_CP
39C-000	PAY LOAD METER ...	P264	TB34	TB34-P1
39C-001	VEC-90	VEC90-P2	TB34	TB34-P2
39CA-000	VEC-90	VEC90-P2	TB23	TB23-E1
39CA-001	TB23	TB23-E1	-	J11
39CA-002	-	P11	-	J541
39CA-004	-	P541	-	P502
39CA-005	-	J502	LAMP GREEN PAYLOAD RIGHT	RPLG_CP
39CA-006	TB23	TB23-E1	-	J12
39CA-007	-	P12	-	J540
39CA-008	-	P540	-	P503
39CA-009	-	J503	LAMP GREEN PAYLOAD LEFT	LPLG_CP
39F-000	PAY LOAD METER ...	P264	TB36	TB36-C2
39F-001	TB36	TB36-C1	-	J13
39F-002	TB36	TB36-C1	-	J13
39F-003	SENSOR PAYLOAD ...	P152	TB61	TB61-F1
39F-004	SENSOR PAYLOAD ...	P153	TB61	TB61-F1
39F-007	-	P13	SENSOR PAYLOAD PRESSURE RIGHT...	P150
39F-008	-	P13	SENSOR PAYLOAD PRESSURE LEFT F...	P151
39F-009	TB36	TB36-C3	-	J16
39F-011	-	P16	TB61	TB61-F2
39FA-000	TB36	TB36-E2	PAY LOAD METER 4	P264
39FA-001	TB36	TB36-E1	-	J16
39FA-002	-	P16	TB61	TB61-G2
39FA-004	SENSOR PAYLOAD ...	P153	TB61	TB61-G1
39FB-000	TB36	TB36-D2	PAY LOAD METER 4	P264
39FB-001	TB36	TB36-D1	-	J16
39FB-002	-	P16	TB61	TB61-E2
39FB-003	SENSOR PAYLOAD ...	P152	TB61	TB61-E1
39FC-000	PAY LOAD METER ...	P264	TB36	TB36-A2
39FC-001	TB36	TB36-A1	-	J13
39FC-003	-	P13	SENSOR PAYLOAD PRESSURE RIGHT...	P150
39FD-000	PAY LOAD METER ...	P264	TB36	TB36-B2
39FD-001	TB36	TB36-B1	-	J13
39FD-003	-	P13	SENSOR PAYLOAD PRESSURE LEFT F...	P151
39G-000	VEC-90	VEC90-P2	TB34	TB34-T1
39G-001	TB34	TB34-T2	PAY LOAD METER 4	P264
39H-000	SWITCH BRAKE LO...	P39	-	J03
39H-001	-	P03	TB23	TB23-A2
39H-002	-	J702	TB23	TB23-A1
39H1-000	-	J702	TB22	TB22-X2
39H1-001	TB22	TB22-X1	PAY LOAD METER 4	P264
39HA-000	SWITCH BRAKE LO...	P39	-	J03
39HA-001	-	P03	TB23	TB23-V2
39HP-000	SWITCH HYDRAULI...	HFSW1	SWITCH HYDRAULIC FILTER #2	HFSW2
39HP1-000	-	P16	-	P58_JP
39HP1-001	-	J16	INTERFACE MODULE	IM3
39HP1-002	-	J58	SWITCH HYDRAULIC ACC FILTER	HAFSW
39SP-000	SWITCH HYDRAULI...	HFSW2	SWITCH STEERING FILTER #1	SFSW
41H-000	SWITCH COMBO	P121	TB10	TB10-K1
41H-001	-	P03	TB34	TB34-B1
41H-002	TB34	TB34-B2	RELAY HIGH BEAM HEADLIGHT (HBH...	HBHR-86
41H-004	TB10	TB10-K1	-	J03
41H-006	TB10	TB10-K3	ACTIA DASH DISPLAY	P902
41HB-000	RELAY HIGH BEAM...	HBHR-88A	TB34	TB34-F1
41HB-001	-	J12	TB34	TB34-F2
41HB-002	-	J12	TB34	TB34-F2
41HB-003	-	J11	TB34	TB34-F4
41HB-004	-	J11	TB34	TB34-F4
41HB-005	-	J542	-	P12
41HB-006	LAMP HIGH MOUNT...	HMLHB	-	P542
41HB-007	-	J542	-	P12
41HB-008	LAMP LOW MOUNT ...	LMLHB	-	P542
41HB-009	-	J543	-	P11
41HB-010	LAMP HIGH MOUNT...	HMRHB	-	P543
41HB-011	-	J543	-	P11
41HB-012	LAMP LOW MOUNT ...	LMRHB	-	P543
41HM-000	RELAY HEADLIGHT...	HHMR-88A	-	J12
41HM-001	-	J11	RELAY HEADLIGHT HIGH MOUNT (HH...	HHMR-88A
41HM-002	-	P12	-	J542
41HM-003	LAMP HIGH MOUNT...	HMLLB	-	P542
41HM-004	-	J543	-	P11
41HM-005	LAMP HIGH MOUNT...	HMRLB	-	P543
41L-000	SWITCH HEADLIGH...	P25	TB10	TB10-L1
41L-001	TB10	TB10-L1	SWITCH COMBO	P121
41L-002	TB10	TB10-L1	-	J03
41L-004	TB34	TB34-C1	-	P01
41L-005	TB34	TB34-C2	RELAY HEADLIGHT LOW MOUNT (HLM...	HLMR-86
41L-006	RELAY HEADLIGHT...	HLMR-86	RELAY HEADLIGHT HIGH MOUNT (HH...	HHMR-86
41LM-000	RELAY HEADLIGHT...	HLMR-88A	-	J12
41LM-001	-	J11	RELAY HEADLIGHT LOW MOUNT (HLM...	HLMR-88A
41LM-002	-	P12	-	J542
41LM-003	LAMP LOW MOUNT ...	LMLLB	-	P542
41LM-004	-	P11	-	J543
41LM-005	LAMP LOW MOUNT ...	LMRLB	-	P543
41T-000	VEC-89	VEC89-P11	TB35	TB35-E1
41T-001	TB35	TB35-E2	-	J12
41T-002	TB35	TB35-E4	-	J11
41T-003	-	P12	-	J540
41T-004	-	P540	-	P503
41T-005	-	J503	SP143	-
41T-006	SP143	-	LAMP MARKER/TURN LEFT SIDE DEC...	LCL1
41T-007	SP143	-	LAMP MARKER/TURN LEFT FRT DECK	LCL2
41T-008	-	P11	-	J541
41T-009	-	P541	-	P502
41T-010	-	J502	SP146	-
41T-011	SP146	-	LAMP MARKER/TURN RIGHT FRT DEC...	RCL1
41T-012	SP146	-	LAMP MARKER/TURN RIGHT SIDE DE...	RCL2
41T-013	TB35	TB35-E4	-	J14
41T-014	-	P14	-	P732_CP
41T-015	TB35	TB35-E2	-	J16
41T-016	-	P16	SP149	-
41T-017	SP149	-	-	P731_CP
41T-018	SP149	-	TB61	TB61-M1
41T-019	LAMP STOP/TAIL ...	LRSTL	TB61	TB61-M2
41T-020	LAMP STOP/TAIL ...	RRSTL	TB61	TB61-M2
41T-021	TB61	TB61-M4	-	J54
41T-022	TB61	TB61-M4	-	P55
41T-023	-	J55	SP173	-
41T-024	LAMP BODY RIGHT...	RSCL1	SP173	-
41T-025	-	P54	SP176	-
41T-026	SP176	-	LAMP BODY LEFT REAR MARKER	LSCL2
41T-027	LAMP BODY LEFT ...	LSCL1	SP176	-
41T-028	LAMP BODY RIGHT...	RSCL2	SP173	-
41TS-000	SWITCH HEADLIGH...	P25	TB10	TB10-A1
41TS-001	SWITCH HEADLIGH...	P25	SWITCH HEADLIGHTS	P25
41TS-002	TB10	TB10-A3	-	J02
41TS-003	-	P02	TB34	TB34-A2
41TS-004	SWITCH LEFT WIN...	P072	JB4F	JB4F
41TS-005	VEC-89	VEC89-P11	TB34	TB34-A1
41TS-006	ACTIA DISPLAY P...	P18	TB10	TB10-A4
41TS-007	SWITCH RIGHT WI...	P071	JB4F	JB4F
41TS-008	SWITCH RIGHT WI...	P071	SWITCH RIGHT WINDOW	P071
41TS-009	SWITCH LEFT WIN...	P072	SWITCH LEFT WINDOW	P072
41TS-010	JB4F	JB4F	TB10	TB10-A1
41TS-011	-	P140	JB4F	JB4F
42-000	TIMER (1HR) ENG...	ESLT-NO	TB35	TB35-M1
42-001	-	J11	TB35	TB35-M2
42-002	-	J11	TB35	TB35-M2
42-003	-	J541	-	P11
42-004	-	J541	-	P11
42-005	-	P541	LAMP RIGHT LOWER ENGINE SERVIC...	RLESL
42-006	-	P541	LAMP RIGHT UPPER ENGINE SERVIC...	RUESL
42-007	-	J12	TB35	TB35-M3
42-008	-	J12	TB35	TB35-M3
42-009	-	J540	-	P12
42-010	-	J540	-	P12
42-011	LAMP LEFT LOWER...	LLESL	-	P540
42-012	LAMP LEFT UPPER...	LUESL	-	P540
42A-000	SWITCH LEFT ENG...	LESLS-2	-	P540
42A-001	-	J540	-	P12
42A-002	-	J12	-	J11
42A-003	-	P11	-	J541
42A-004	-	P541	SWITCH RIGHT ENGINE SERVICE LA...	RESLS-2
42B-000	-	P540	SWITCH LEFT ENGINE SERVICE LAM...	LESLS-3
42B-001	-	P12	-	J540
42B-002	-	J11	-	J12
42B-003	-	J541	-	P11
42B-004	SWITCH RIGHT EN...	RESLS-3	-	P541
42PML-000	-	J14	TIMER (1HR) HYDRAULIC PUMP MOD...	HPLT-NO
42PML-001	-	P563_CP	-	P14
42PML-002	-	J563	LAMP HYDRAULIC PUMP MOD (OPT)	HPML
42PMS-000	-	J14	TIMER (1HR) HYDRAULIC PUMP MOD...	HPLT-3
42PMS-001	-	P563_CP	-	P14
42PMS-002	-	J563	SWITCH HYDRAULIC PUMP MOD LAMP...	HPMS-1
42SL-000	TIMER (1HR) ENG...	ESLT-3	-	J12
42SL-001	-	P12	-	J540
42SL-002	-	P540	SWITCH LEFT ENGINE SERVICE LAM...	LESLS-1
44-000	VEC-89	VEC89-P12	TB35	TB35-G1
44-001	TB35	TB35-G2	-	J16
44-002	TB35	TB35-G4	-	P04
44-003	-	P16	TB60	TB60-D1
44-004	TB60	TB60-D2	LAMP STOP/TAIL LEFT	LRSTL
44-005	TB60	TB60-D4	LAMP STOP/TAIL RIGHT	RRSTL
44-006	-	J04	LAMP SERVICE BRAKE OP-CAB	SBL
44D-000	VEC-89	VEC89-P1	TB35	TB35-H1
44D-001	TB35	TB35-H2	-	J16
44D-002	TB35	TB35-H4	-	P04
44D-003	-	P16	TB60	TB60-E1
44D-004	-	J04	LAMP RETARD OP-CAB	DRL
44D-005	TB60	TB60-E2	LAMP RETARD LEFT REAR	LRL
44D-006	TB60	TB60-E4	LAMP RETARD RIGHT REAR	RRL
44R-001	TB35	TB35-F4	INTERFACE MODULE	IM3
44R-003	TB35	TB35-F3	VEC-89	VEC89-P11
44R-004	SWITCH SERVICE ...	SBPS	-	J240
44R-005	-	P240	TB35	TB35-F1
45L-000	SWITCH COMBO	P121	TB10	TB10-J1
45L-001	TB10	TB10-J1	-	J03
45L-002	D4	D4	TB10	TB10-J1
45L-003	-	P03	TB22	TB22-P1
45L-004	TB22	TB22-P2	VEC-89	VEC89-P12
45LL-000	VEC-89	VEC89-P12	TB35	TB35-J1
45LL-001	TB35	TB35-J2	-	J12
45LL-002	-	P12	-	J540
45LL-003	-	P540	-	P503
45LL-004	-	J503	SP144	-
45LL-005	ACTIA DASH DISP...	P902	-	J01
45LL-006	-	P01	TB35	TB35-J3
45LL-007	TB35	TB35-J2	-	J14
45LL-008	TB35	TB35-J4	-	J16
45LL-009	SP144	-	LAMP MARKER/TURN LEFT SIDE DEC...	LCL1
45LL-010	SP144	-	LAMP MARKER/TURN LEFT FRT DECK	LCL2
45LL-011	-	P14	-	P732_CP
45LL-012	-	P16	TB60	TB60-H1
45LL-013	TB60	TB60-H2	-	J54
45LL-014	-	P54	SP175	-
45LL-015	LAMP BODY LEFT ...	LSCL1	SP175	-
45LL-016	SP175	-	LAMP BODY LEFT REAR MARKER	LSCL2
45LR-002	D4	D4	SWITCH HAZARD LIGHTS	P36
45LR-007	SWITCH HAZARD L...	P36	SWITCH HAZARD LIGHTS	P36
45R-000	SWITCH COMBO	P121	TB10	TB10-M1
45R-001	TB10	TB10-M1	-	J03
45R-002	SWITCH HAZARD L...	P36	TB10	TB10-M1
45R-003	-	P03	TB22	TB22-R1
45R-004	TB22	TB22-R2	VEC-89	VEC89-P12
45RL-000	VEC-89	VEC89-P12	TB35	TB35-K1
45RL-001	TB35	TB35-K2	-	J11
45RL-002	-	P11	-	J541
45RL-003	-	P541	-	P502
45RL-004	-	J502	SP145	-
45RL-005	ACTIA DASH DISP...	P902	-	J01
45RL-006	-	P01	TB35	TB35-K3
45RL-007	SP145	-	LAMP MARKER/TURN RIGHT FRT DEC...	RCL1
45RL-008	TB35	TB35-K4	-	J16
45RL-009	SP145	-	LAMP MARKER/TURN RIGHT SIDE DE...	RCL2
45RL-010	-	P16	SP148	-
45RL-011	SP148	-	-	P731_CP
45RL-012	SP148	-	TB60	TB60-A1
45RL-013	TB60	TB60-A2	-	P55
45RL-014	-	J55	SP172	-
45RL-015	LAMP BODY RIGHT...	RSCL1	SP172	-
45RL-016	LAMP BODY RIGHT...	RSCL2	SP172	-
46GA-000	TB32	TB32-A1	-	J702
46GA-001	-	P16	-	RBML_CP
46GA-002	-	J16	TB32	TB32-A2
46GA-003	-	P12	-	J540
46GA-004	-	J12	TB32	TB32-A2
46GA-005	TB32	TB32-A1	-	J11
46GA-006	-	J541	-	P11
46GA-007	-	P502	-	P541
46GA-008	-	RDML_CP	-	J502
46GA-009	-	P503	-	P540
46GA-010	-	J503	-	LDML_CP
46GA-011	-	RBML1	-	RBML2_CP
46RA-000	TB32	TB32-B1	-	J702
46RA-001	-	P16	-	RBML_CP
46RA-002	-	J16	TB32	TB32-B2
46RA-003	-	P12	-	J540
46RA-004	-	J12	TB32	TB32-B2
46RA-005	-	J11	TB32	TB32-B1
46RA-006	-	J541	-	P11
46RA-007	-	P541	-	P502
46RA-008	-	RDML_CP	-	J502
46RA-009	-	P540	-	P503
46RA-010	-	J503	-	LDML_CP
46RA-011	-	RBML1	-	RBML2_CP
46YA-000	TB32	TB32-C1	-	J702
46YA-001	-	P16	-	RBML_CP
46YA-002	-	J16	TB32	TB32-C2
46YA-003	-	P12	-	J540
46YA-004	-	J12	TB32	TB32-C2
46YA-005	-	J11	TB32	TB32-C1
46YA-006	-	J541	-	P11
46YA-007	-	P541	-	P502
46YA-008	-	RDML_CP	-	J502
46YA-009	-	P503	-	P540
46YA-010	-	J503	-	LDML_CP
46YA-011	-	RBML1	-	RBML2_CP
47-000	RELAY BACKUP LI...	BULR-88A	TB35	TB35-L1
47-001	TB35	TB35-L2	-	J16
47-002	TB35	TB35-L2	-	J16
47-003	-	P16	TB60	TB60-F1
47-004	-	P16	TB60	TB60-F1
47-005	TB60	TB60-F2	LAMP HID BACKUP BERM AXLE (OP...	HIDBBL_CP
47-006	TB60	TB60-F4	LAMP BACKUP REAR RIGHT	RRBL
47-007	TB60	TB60-F3	LAMP BACKUP REAR LEFT	LRBL
47-008	TB35	TB35-L3	-	J11
47-009	-	P11	-	J541
47-010	-	P541	-	P502
47-011	-	J502	LAMP BACKUP LIGHT RIGHT DECK (...	RBUL
47-012	TB35	TB35-L3	-	J12
47-013	-	P12	-	J540
47-014	-	P540	-	P503
47-015	-	J503	LAMP BACKUP LIGHT LEFT DECK (O...	LBUL
47A-000	VEC-89	VEC89-P11	RELAY BACKUP LIGHT (BULR)	BULR-86
47B-000	VEC-89	VEC89-P9	RELAY BACKUP LIGHT (BULR)	BULR-88
47S-000	SWITCH MANUAL B...	P23	-	J03
47S-001	-	P03	TB22	TB22-T1
47S-002	TB22	TB22-T2	VEC-89	VEC89-P11
47S-003	SWITCH MANUAL B...	P23	SWITCH MANUAL BACKUP LIGHT	P23
48-000	RELAY ACCESS LA...	ALLR-88A	TB26	TB26-T1
48-001	TB26	TB26-T2	-	J11
48-002	-	J11	TB26	TB26-T2
48-003	TB26	TB26-V2	-	J12
48-004	-	J12	TB26	TB26-V2
48-005	-	J14	TB26	TB26-V2
48-006	-	J541	-	P11
48-007	-	P541	LAMP DECK LADDER LIGHT #1	RDLLT
48-009	-	P11	-	J541
48-010	-	P541	LAMP DECK LIGHT #2	RDLT
48-011	-	P12	-	J540
48-012	-	P540	LAMP DIAGONAL LADDER LIGHT #1	LDLLT
48-013	-	P12	-	J540
48-014	-	P540	-	P544_CP
48-015	-	P14	-	P565
48-016	-	J565	SP150	-
48-017	SP150	-	LAMP CONTROL CABINET WORK LIGH...	CDL1
48-018	LAMP CONTROL CA...	CDL2	SP150	-
48-019	-	J544	LAMP DECK LIGHT #1 (OPT LOCATI...	LDLT
48A-000	SWITCH CAB LADD...	P24	-	J03
48A-001	-	P03	TB34	TB34-J1
48A-002	TB34	TB34-J2	-	J46
48A-003	-	P46	-	J535
48A-006	SWITCH CAB LADD...	P24	SWITCH CAB LADDER LIGHT	P24
48A-007	SWITCH LEFT LAD...	LLSW-2	-	P535
48B-000	SWITCH CAB LADD...	P24	-	J03
48B-001	-	P03	TB34	TB34-K1
48B-002	TB34	TB34-K2	-	J46
48B-003	-	P46	-	J535
48B-006	SWITCH CAB LADD...	P24	SWITCH CAB LADDER LIGHT	P24
48B-007	SWITCH LEFT LAD...	LLSW-3	-	P535
48C-000	TB34	TB34-L1	RELAY ACCESS LADDER LIGHT (ALL...	ALLR-86
48C-001	-	J46	TB34	TB34-L1
48C-004	-	J535	-	P46
48C-007	SWITCH LEFT LAD...	LLSW-1	-	P535
48F-000	SWITCH FOG LAMP...	P22	-	J03
48F-001	-	P03	TB34	TB34-E1
48F-002	TB34	TB34-E2	VEC-89	VEC89-P1
48LF-000	VEC-89	VEC89-P1	TB34	TB34-D1
48LF-001	TB34	TB34-D2	-	J11
48LF-002	TB34	TB34-D2	-	J12
48LF-003	-	P11	-	J543
48LF-004	-	P12	-	J542
48LF-005	-	P543	LAMP RIGHT FOG (RFLT)	RFLT
48LF-006	-	P542	LAMP LEFT FOG (LFLT)	LFLT
49-001	ACTIA DISPLAY P...	P18	TB10	TB10-D2
49-002	ACTIA DASH DISP...	P903	TB10	TB10-D3
49-003	JB6B	JB6B	TB10	TB10-D4
49-004	SHIFTER DIRECTI...	P108	JB6B	JB6B
49-005	R27	R27	TB10	TB10-D2
49-006	JB6B	JB6B	SWITCH CAB SECONDARY ENGINE SH...	ESS-A
49-007	JB6B	JB6B	SWITCH BODYUP OVERRIDE / RESET...	ORS-A
49-008	JB6B	JB6B	SWITCH RETARD SPEED CONTROL (R...	RSCS-A
51A1-000	-	J13	INTERFACE MODULE	IM2
51A1-001	-	P13	SWITCH ACCUMULATOR PRESSURE #1...	ACCP1-C
51A2-000	SWITCH ACCUMULA...	ACCP1-NO	SWITCH ACCUMULATOR PRESSURE #2...	ACCP2-NO
52A-000	-	J240	SWITCH PARK BRAKE RELEASE PRES...	PBRPS
52A-001	-	P240	TB32	TB32-N2
52AA2-000	INTERFACE MODUL...	IM2	-	J702
52ABA-000	INTERFACE MODUL...	IM1	TB32	TB32-S1
52ABA-001	TB32	TB32-S1	VEC RTMR1	RTMR1-F2
52B-000	VEC-90	VEC90-P9	TB32	TB32-J1
52B-001	INTERFACE MODUL...	IM2	TB32	TB32-J1
52B-002	VEC RTMR1	RTMR1-D2	TB32	TB32-J1
52B-003	TB32	TB32-J4	-	P240
52B-004	-	J240	SP160	-
52B-005	SP160	-	SOLENOID BRAKE LOCK	BLS
52B-006	SP160	-	D3	D3
52B1-000	VEC-90	VEC90-P9	TB23	TB23-B1
52B1-001	-	P03	TB23	TB23-B2
52B1-002	-	J03	SWITCH BRAKE LOCK	P39
52B1-003	SWITCH BRAKE LO...	P39	SWITCH BRAKE LOCK	P39
52C-000	SHIFTER DIRECTI...	P108	-	J02
52C-001	-	P02	TB21	TB21-K2
52C-002	TB21	TB21-K1	-	J701
52CA-000	TB24	TB24-E2	GE CONTROL INTERFACE	P304
52CA-001	-	J701	TB24	TB24-E1
52CA-003	TB24	TB24-E4	INTERFACE MODULE	IM3
52CS-000	VEC-90	VEC90-P11	TB32	TB32-K3
52CS-001	TB32	TB32-K3	INTERFACE MODULE	IM1
52CS-002	TB32	TB32-K2	R18	R18
52CS-003	-	P240	TB32	TB32-K1
52CS-004	SOLENOID PARK B...	PBS	SP161	-
52CS-005	D2	D2	SP161	-
52CS-006	SP161	-	-	J240
52PB-000	VEC-90	VEC90-P11	TB24	TB24-B1
52PB-001	-	P03	TB24	TB24-B4
52PB-003	TB24	TB24-B2	INTERFACE MODULE	IM3
52PB-004	-	J03	RELAY HYDRAULIC LADDER PK STAT...	P263
52R-000	-	J01	RETARD CONTROL LEVER (OPT)	P237
52R-001	TB31	TB31-K2	-	P01
52R-002	TB31	TB31-K1	-	J701
52RA-000	GE CONTROL INTE...	P302	SP740	-
52RA-001	SP740	-	-	J701
52RS1-000	-	P262_CP	RELAY HYDRAULIC LADDER PK STAT...	P263
52RS2-000	-	P262_CP	RELAY HYDRAULIC LADDER PK STAT...	P263
53H-000	SWITCH HOIST LI...	HLS	TB60	TB60-J2
53H-001	-	J16	TB35	TB35-N1
53H-002	TB60	TB60-J1	-	P16
53H-003	TB35	TB35-N2	-	P240
53H-004	-	J240	SP795	-
53H-005	TB35	TB35-N1	-	J14
53H-006	SP795	-	SOLENOID HOIST LIMIT	HS
53H-007	SP795	-	D6	D6
55A-000	SWITCH DISPLAY ...	P20	-	J01
55A-001	-	P01	TB26	TB26-N1
55A-002	TB26	TB26-N2	INTERFACE MODULE	IM3
55B-000	SWITCH DISPLAY ...	P20	-	J01
55B-001	-	P01	TB26	TB26-P1
55B-002	TB26	TB26-P2	INTERFACE MODULE	IM3
55C-000	SWITCH DISPLAY ...	P21	-	J01
55C-001	-	P01	TB26	TB26-R1
55C-002	TB26	TB26-R2	INTERFACE MODULE	IM3
55D-000	SWITCH DISPLAY ...	P21	-	J01
55D-001	-	P01	TB26	TB26-S1
55D-002	TB26	TB26-S2	INTERFACE MODULE	IM2
62A-000	VEC-89	VEC89-P2	INTERFACE MODULE	IM1
62SB-000	INTERFACE MODUL...	IM2	TB28	TB28-X1
62SB-001	TB28	TB28-X2	-	P02
62SB-002	-	J02	SWITCH DRIVERS SEAT BELT	P212
62SBA-000	VEC-89	VEC89-P2	TB32	TB32-L2
63-000	TB24	TB24-R2	-	P03
63-001	-	J03	TB10	TB10-E2
63-002	TB10	TB10-E1	SWITCH COMBO	P121
63-003	TB10	TB10-E1	JB6G	JB6G
63-004	JB6G	JB6G	RELAY WIPER MOTOR LOW	P09_K
63-005	JB6G	JB6G	RELAY WIPER MOTOR HIGH	P08_K
63-006	JB6G	JB6G	MOTOR WINDSHIELD WIPER	P07
63-007	JB6G	JB6G	TIMER WASHER DELAY (WADT)	WADT-2
63-008	JB6G	JB6G	TIMER WIPER DELAY	P10
63-009	VEC-91	VEC91-P10	TB24	TB24-R1
63H-000	MOTOR WINDSHIEL...	P07	RELAY WIPER MOTOR HIGH	P08_K
63H1-000	SWITCH COMBO	P121	RELAY WIPER MOTOR HIGH	P08_K
63L-000	RELAY WIPER MOT...	P09_K	MOTOR WINDSHIELD WIPER	P07
63L1-000	D15	D15	JB4H	JB4H
63L1-001	RELAY WIPER MOT...	P09_K	JB4H	JB4H
63L1-002	TIMER WASHER DE...	WADT-1	JB4H	JB4H
63L1-003	TIMER WIPER DEL...	P10	JB4H	JB4H
63L2-000	SWITCH COMBO	P121	D15	D15
63P-000	MOTOR WINDSHIEL...	P07	SWITCH COMBO	P121
63T1-000	SWITCH COMBO	P121	TIMER WIPER DELAY	P10
63W-000	JB4C	JB4C	-	J03
63W-001	SWITCH COMBO	P121	JB4C	JB4C
63W-002	JB4C	JB4C	TIMER WASHER DELAY (WADT)	WADT-6
63W-003	-	P03	MOTOR WINDSHIELD WASHER	WW+
65-000	VEC-91	VEC91-P12	TB24	TB24-D1
65-001	ENTERTAINMENT R...	P737	-	J211
65-002	-	P04	TB24	TB24-D2
65-003	-	P211	-	J04
65-004	SP510	-	TB24	TB24-D4
65-008	WIRELESS BRIDGE	KWB	-	J607
65-010	-	P607	-	P606
65-011	-	P607	-	P606
65-012	-	J606	SP510	-
65-013	-	J606	SP510	-
65-059	WIRELESS BRIDGE	KWB	-	J607
65A-000	VEC-91	VEC91-P12	TB24	TB24-F1
65A-001	ENTERTAINMENT R...	P737	-	J211
65A-002	-	J211	ENTERTAINMENT RADIO	P737
65A-003	TB24	TB24-F2	-	P04
65A-004	-	J04	-	P211
65C-000	SWITCH A/C RECI...	RECDR	A/C COMPRESSOR CLUTCH T2	P803
65C-003	SWITCH A/C RECI...	RECDR-T1	A/C COMPRESSOR CLUTCH T1	P803-
65S-000	VEC-91	VEC91-P12	TB27	TB27-M2
65S-001	TB27	TB27-M1	-	P808
65S-002	ENGINE QSK60 IN...	P805	-	J808
65S-003	-	J808-	ENGINE QSK60 INTERFACE TIER I	P805-
65SR-000	VEC-91	VEC91-P12	VEC RTMR1	RTMR1-C1
65SS-000	VEC RTMR1	RTMR1-B2	-	J11
65SS-001	-	P11	-	J543
65SS-002	-	P543	-	P520_CP
65SS-003	-	J520	SOLENOID ENGINE SHUTTER (OPT)	ESSOL
65T-000	VEC RTMR1	RTMR1-A1	TB30	TB30-X2
65T-001	SWITCH A/C RECI...	RECDR	-	J801
65T-002	-	P801	TB30	TB30-X1
65T-003	TB30	TB30-X4	-	P01
65T-004	-	J03	-	P140
65T-005	-	J801-	SWITCH A/C RECIEVER DRYER T1	RECDR-T1
65TS-006	HEATED HOSE REL...	TSW-86	SP781	-
65TS-007	OIL RESERVE SYS	P503_CP	-	P12
65TS-008	SP781	-	-	J11
65TS-009	-	J12	SP781	-
67C-000	VEC-91	VEC91-P9	TB24	TB24-V1
67C-001	TB24	TB24-V2	-	P03
67C-002	TB24	TB24-V4	-	P03
67C-003	-	J03	12VDC POWER PORT #1	PWR1-1
67C-004	-	J03	12VDC POWER PORT #2	PWR2-1
67L-000	MOTOR LEFT WIND...	P059	SP779	-
67L-001	SWITCH LEFT WIN...	P072	SP779	-
67M-000	MOTOR LEFT WIND...	P059	SP778	-
67M-001	SWITCH LEFT WIN...	P072	SP778	-
67P-000	TB24	TB24-T2	VEC-91	VEC91-P9
67P-001	TB24	TB24-T1	-	P03
67P-002	TB24	TB24-T1	-	P03
67P-003	-	J03	SP135	-
67P-004	-	J03	SP135	-
67P-005	SP135	-	SWITCH LEFT WINDOW	P072
67P-006	SWITCH LEFT WIN...	P072	SP135	-
67R-000	TB24	TB24-S2	VEC-91	VEC91-P9
67R-001	TB24	TB24-S1	-	P03
67R-002	TB24	TB24-S1	-	P03
67R-003	-	J03	SP138	-
67R-004	-	J03	SP138	-
67R-005	SP138	-	SWITCH RIGHT WINDOW	P071
67R-006	SWITCH RIGHT WI...	P071	SP138	-
67S-000	MOTOR RIGHT WIN...	P058	SP782	-
67S-001	SWITCH RIGHT WI...	P071	SP782	-
67T-000	MOTOR RIGHT WIN...	P058	SP783	-
67T-001	SWITCH RIGHT WI...	P071	SP783	-
68-000	TB35	TB35-B4	R30	R30
68-001	TB35	TB35-B1	INTERFACE MODULE	IM1
68-002	TB35	TB35-B3	-	J11
68-003	-	J511	-	P11
68-004	SOLENOID AUTO L...	ALSOL	-	P511
68-005	-	J12	TB35	TB35-B2
68ES-000	-	J11	SP785	-
68ES-001	-	J511	-	P11
68ES-002	SOLENOID AUTO L...	ALSOL	-	P511
68ES-003	VEC-89	VEC89-P2	SP785	-
68ES-004	-	J12	SP785	-
68LS-000	SWITCH AUTOLUBE...	P512	-	P511
68LS-001	-	J511	-	P11
68LS-002	INTERFACE MODUL...	IM3	SP786	-
68LS-003	-	J12	SP786	-
68LS-004	-	J11	SP786	-
68P-000	TB60	TB60-B2	SWITCH AUTOLUBE PRESSURE	LLPS
68P-001	TB60	TB60-B1	-	P16
68P-003	-	J16	INTERFACE MODULE	IM3
69M-000	VEC-89	VEC89-P1	TB23	TB23-F1
69M-001	TB23	TB23-F2	-	J11
69M-002	TB23	TB23-F2	-	J12
69M-003	-	P11	-	J541
69M-004	-	P12	-	J540
69M-005	-	P541	-	P502
69M-006	-	P540	-	P503
69M-007	-	J502	-	P546_CP
69M-008	-	J503	-	P547_CP
69M-009	-	R546	MIRROR HEATED RIGHT DECK	MIRROR1
69M-010	-	L547	MIRROR HEATED LEFT DECK	MIRROR2
69MA-000	SWITCH HEATED M...	P53	-	J03
69MA-001	-	P03	TB28	TB28-W1
69MA-002	TB28	TB28-W2	VEC-89	VEC89-P1
71ABA-000	TB32	TB32-T1	VEC RTMR1	RTMR1-F1
71ABA-001	VEC RTMR1	RTMR1-D1	TB32	TB32-T3
71ABA-002	TB32	TB32-T3	VEC-90	VEC90-P11
71ABA-003	TB32	TB32-T2	R1	R1
71BC-000	VEC-90	VEC90-P9	TB25	TB25-V4
71BC-003	TB25	TB25-V2	-	P240
71BC-004	JB4A	JB4A	D2	D2
71BC-005	JB4A	JB4A	SOLENOID PARK BRAKE	PBS
71BC-006	JB4A	JB4A	SWITCH SERVICE BRAKE PSI	SBPS
71BC-007	JB4A	JB4A	-	J240
71C-000	VEC-91	VEC91-P10	RELAY KEY / GE CNTRL PWR (KCNP...	KCNPR-86
71CK-000	RELAY KEY / GE ...	KCNPR-88A	TB24	TB24-N1
71CK-001	VEC-89	VEC89-S6A	VEC-90	VEC90-S8A
71CK-002	VEC-90	VEC90-S8B	TB24	TB24-N2
71CK-003	VEC-91	VEC91-P1	TB24	TB24-N3
71CK-004	VEC RTMR1	RTMR1-B9	TB24	TB24-N4
71CKM-000	SWITCH KOMVISIO...	KOMV-2	VEC RTMR1	RTMR1-A9
71CN1-000	GE CONTROL INTE...	P305	GE CONTROL INTERFACE	P304
71CN2-000	GE CONTROL INTE...	P303	GE CONTROL INTERFACE	P302
71CNCK-000	GE CONTROL INTE...	P301	GE CONTROL INTERFACE	P301
71F-000	TB35	TB35-S1	GE CONTROL INTERFACE	P301
71F-001	-	J16	TB35	TB35-S2
71F-002	TB35	TB35-S3	PAY LOAD METER 4	P264
71F-003	TB35	TB35-S4	INTERFACE MODULE	IM2
71F-004	-	P16	SWITCH BODY-UP PROXIMITY	BUSW
71GE-000	GE CONTROL INTE...	P305	TB24	TB24-G3
71GE-001	TB24	TB24-G2	VEC-91	VEC91-P10
71GE-002	INTERFACE MODUL...	IM3	TB24	TB24-G1
71GG-000	SWITCH PROPEL L...	PLOS-F1	-	J537
71GG-001	-	P537	-	P12
71GG-002	-	J12	TB25	TB25-K1
71GG-003	TB25	TB25-K2	GE CONTROL INTERFACE	P303
71GH-000	SWITCH PROPEL L...	PLOS-B1	-	J537
71GH-001	-	P537	-	P12
71GH-002	-	J12	TB25	TB25-L1
71GH-003	TB25	TB25-L2	GE CONTROL INTERFACE	P303
71H-000	GE CONTROL INTE...	P304	TB21	TB21-R1
71H-001	TB21	TB21-R2	-	P02
71H-002	SWITCH BODYUP O...	ORS_1-3	-	J02
71J-000	GE CONTROL CABI...	T19	ALTERNATOR PROPULSION DRIVE	ALT1
71LS-000	TB23	TB23-M1	VEC-89	VEC89-P4
71LS-001	TB23	TB23-M2	-	P01
71LS-002	TB10	TB10-C1	-	J01
71LS-003	TB10	TB10-C2	SWITCH FOG LAMP (OPT)	P22
71LS-004	SWITCH FOG LAMP...	P22	SWITCH FOG LAMP (OPT)	P22
71LS-005	TB10	TB10-C3	SWITCH DISPLAY MODE #2	P20
71LS-006	SWITCH DISPLAY ...	P20	SWITCH DISPLAY MODE #2	P20
71LS-007	SWITCH DISPLAY ...	P20	SWITCH DISPLAY MODE #1	P21
71LS-008	SWITCH DISPLAY ...	P21	SWITCH DISPLAY MODE #1	P21
71LS-011	TB10	TB10-C2	SWITCH ROTATING BEACON (OPT)	P52
71LS-012	SWITCH ROTATING...	P52	SWITCH ROTATING BEACON (OPT)	P52
71LS-013	SWITCH HEATED M...	P53	SWITCH ROTATING BEACON (OPT)	P52
71LS-014	SWITCH HEATED M...	P53	SWITCH HEATED MIRROR	P53
71LS-015	SWITCH HEATED M...	P53	SWITCH HEATED MIRROR	P53
71P-000	VEC-89	VEC89-P2	TB23	TB23-J4
71P-001	TB23	TB23-J3	-	P02
71P-002	SWITCH DATA STO...	DSSW-C	JB4B	JB4B
71P-003	JB4B	JB4B	SWITCH BODYUP OVERRIDE / RESET...	ORS_1-4
71P-004	JB4B	JB4B	SWITCH RETARD SPEED CONTROL (R...	RSCS_2-2
71P-005	TB23	TB23-J2	-	J16
71P-006	-	J02	JB4B	JB4B
71P-007	TB23	TB23-J1	-	P03
71P-008	-	J03	SWITCH DC POWER OFF - REST SWI...	P35
71P-009	SWITCH GRID DRY	P34	SWITCH DC POWER OFF - REST SWI...	P35
71P-010	-	P16	SP180	-
71P-011	SP180	-	TB61	TB61-H1
71P-012	SP180	-	SWITCH BODY-UP PROXIMITY	BUSW
71P-013	TB61	TB61-H2	-	P703
71P-014	SWITCH TRACTION...	BPSW-COM	-	J703
71PS-000	SWITCH PROPEL L...	PLOS-B2	LAMP LED PROPEL LOCKOUT ON	PLON
71PS-001	SWITCH PROPEL L...	PLOS-B2	RELAY 1 PROPEL LOCKOUT	PLREL_K
71SH-000	SHIFTER CURRENT...	P250	SHIFTER DIRECTION SELECTOR	P108
71SS-000	VEC-89	VEC89-P4	TB23	TB23-T2
71SS-001	TB23	TB23-T1	-	P02
71SS-002	-	J02	SHIFTER CURRENT LIMIT RESISTOR	P250
71VHM-000	TB28	TB28-B2	VEC-90	VEC90-P1
71VHM-001	TB28	TB28-B1	-	P04
71VHM-002	-	J04	SP187	-
71VHM-003	KOMTRAX PLUS MO...	P1	SP187	-
71VHM-004	SP187	-	KOMTRAX PLUS MODULE	P1
72-000	SHIFTER DIRECTI...	P108	-	J02
72-001	-	P02	TB21	TB21-N2
72-002	VEC-90	VEC90-P1	TB21	TB21-N3
72-003	TB21	TB21-N1	-	J701
72A-000	GE CONTROL INTE...	P304	TB21	TB21-E1
72AF-000	-	J701	GE CONTROL INTERFACE	P304
72AT-000	INTERFACE MODUL...	IM2	TB33	TB33-A2
72CPU-000	TB24	TB24-W1	-	P808
72CPU-001	TB24	TB24-W2	GE CONTROL INTERFACE	P502
72CPU-002	ENGINE QSK60 IN...	P806	-	J808-
72CPU-003	TB24	TB24-W3	INTERFACE MODULE	IM2
72FD-000	TB29	TB29-B1	VEC-90	VEC90-P9
72FD-001	GE CONTROL INTE...	P302	TB29	TB29-B2
72FNR-000	VEC-90	VEC90-P12	TB24	TB24-M1
72FNR-001	TB24	TB24-M2	INTERFACE MODULE	IM2
72GD-000	TB23	TB23-S1	GE CONTROL INTERFACE	P305
72GD-001	-	P03	TB23	TB23-S2
72GD-002	-	J03	SWITCH GRID DRY	P34
72GD-003	SWITCH GRID DRY	P34	SWITCH GRID DRY	P34
72HC-000	PLM4 COMMUNICAT...	COMMB	PAY LOAD METER 4	P264
72MAN-000	INTERFACE MODUL...	IM2	TB33	TB33-B2
72N-000	SHIFTER DIRECTI...	P108	-	J02
72N-001	-	P02	TB21	TB21-M2
72N-002	VEC-90	VEC90-P1	TB21	TB21-M1
72RQ-000	-	J537	D70	D70
72RQ-001	-	P537	-	P12
72RQ-002	-	J12	TB23	TB23-K4
72RQ-003	TB23	TB23-K1	GE CONTROL INTERFACE	P304
72RQ-004	TB23	TB23-K2	-	P03
72RQ-005	-	J03	D71	D71
72RR-000	D71	D71	SWITCH DC POWER OFF - REST SWI...	P35
72RR-001	SWITCH DC POWER...	P35	SWITCH DC POWER OFF - REST SWI...	P35
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72RRQ-001	RELAY 1 PROPEL ...	PLREL_K	D70	D70
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73DS-001	TB21	TB21-S2	-	P02
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73S1-001	TB32	TB32-M1	INTERFACE MODULE	IM2
73S1-002	D72	D72	TB32	TB32-M2
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74DS-002	TB25	TB25-M1	INTERFACE MODULE	IM2
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85-003	JB6E	JB6E	KOMTRAX PLUS MODULE	P1
85-004	JB6E	JB6E	KOMTRAX PLUS MODULE	P1
85-005	JB6E	JB6E	ORBCOMM MODULE (OPT)	CNA
85-006	JB6E	JB6E	ORBCOMM MODULE (OPT)	CNA
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87-001	TB21	TB21-J1	INTERFACE MODULE	IM3
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