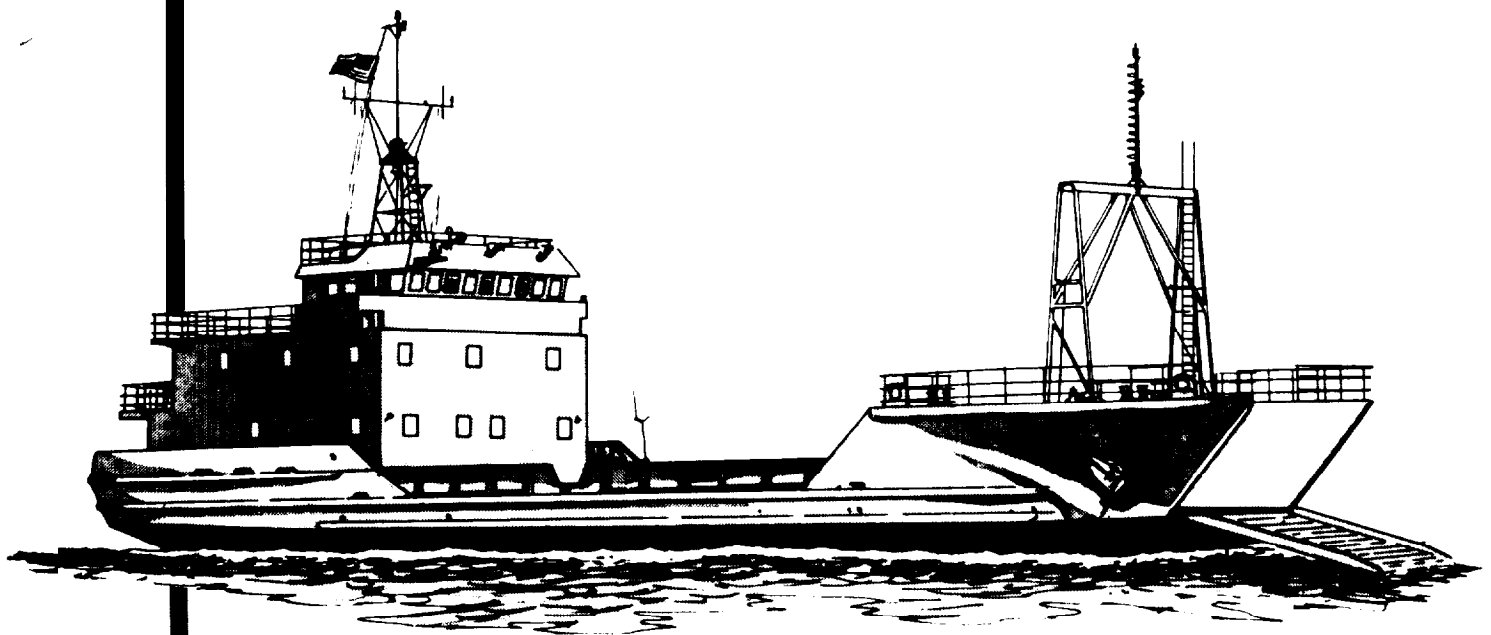


UNIT AND INTERMEDIATE DIRECT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

FOR

**LANDING CRAFT UTILITY
(LCU 2000)**

(NSN 1905-01-154-1191)



Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

10 OCTOBER 1989

UNIT AND INTERMEDIATE DIRECT
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST FOR
LANDING CRAFT UTILITY
(LCU 2000)
(NSN 1905-01-154-1191)

(CURRENT AS OF 20 MARCH 1989)

NOTE: This manual is printed in four volumes as follows:
TM 55-1905-223-24P-1, consisting of Table of Contents, Section I
Section II (Functional Groups 01 thru 07), and Section IV.
TM 55-1905-223-24P-2, consisting of Table of Contents, Section II
(Functional Groups 08 thru 17), and Section IV.
TM 55-1905-223-24P-3, consisting of Table of Contents, Section II
(Functional Group 1801 thru 1811), and Section IV.
TM 55-1905-223-24P-4, consisting of Table of Contents, Section II
(Functional Groups 1812 thru 1820), Section III and Section IV.
The Table of Contents and Section I are applicable to the -1 thru -4.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter. **DA** Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS. 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

Approved for public release; distribution is unlimited.

TABLE OF CONTENTS

		PAGE	ILLUSTRATIONS <u>FIGURE</u>
Section I	INTRODUCTION	1	
Section II	REPAIR PARTS LIST		
Group 00	Landing Craft Utility		
Group 01	Main Propulsion Engine	1-1	1
0101	Engine Air Starter Assembly	2-1	2
0102	Instrument Panel Group	3-1	3
0103	Water Filter Group	4-1	4
010301	Water Filter Head	4-1	4
0104	Thermostat Housing/Water Transfer Tube Group	5-1	5
0105	Air Cleaner Group	6-1	6
0106	Turbocharger Group	7-1	7
0107	Fuel Filter Group	8-1	8
010701	Fuel Filter Assembly	8-1	8

TABLE OF CONTENTS - Continued

0108	Sump Pump Group	9-1	9
0109	Water Pump Group	10-1	10
010901	Engine Cooling System Pump	10-1	10
010902	Engine Accessory Bracket	10-2	10
0110	Lubricating Oil Filter Group	11-1	11
0110	Lubricating Oil Bypass Filter Group	12-1	12
011101	Lube Oil Bypass Filter Assembly	12-1	12
01110101	Fluid Filter Head	12-1	12
0112	Cold Starting Aid Group	13-1	13
0113	Shut Down Valve Group	14-1	14
011301	Shut Down Valve Assembly	14-1	14
0114	Fuel Pump Group	15-1	15
011401	Cam Actuated Fuel Pump	15-1	15
0115	Rocker Housing Cover/Rocker Lever Housing Group	16-1	16
0116	Injector Group	17-1	17
0117	Air Intake Manifold Group	18-1	18
0118	Lubricating Oil Cooler Group	19-1	19
0119	Exhaust Manifold Group	20-1	20
0120	Cylinder Head Group	21-1	21
012001	Diesel Engine Cylinder Head	21-1	21
0121	Fuel Manifold Group	22-1	22
0122	Handhole Cover Group	23-1	23
0123	Cam Follower and Housing Group	24-1	24
012301	Needle Bearing Cam Follower	24-1	24
012302	Remote Control Lever	24-1	24
012303	Straight Shaft	24-1	24
0124	Vibration Damper/Bearings/Crankshaft Group	25-1	25
012401	Crankshaft Assembly	25-1	25
0125	Engine Support Group	26-1	26
0126	Pulley Shields and Front Gear Housing Group	27-1	27
0127	Oil Pan and Adapter Group	28-1	28
0128	Lubricating Oil Pump Group	29-1	29
012801	Engine Oil Pump Assembly	29-2	29
0129	Camshaft and Gear Group	30-1	30
0130	Connecting Rod and Piston Group	31-1	31
013001	Connecting Rod Assembly	31-1	31
013002	Internal Combustion Engine Piston	31-1	31
0131	Flywheel Housing Group	32-1	32
013101	Flywheel and Ring Gear Assembly	32-1	32
013102	Barring Mechanism Assembly	32-1	32
0132	Cylinder Block Assembly	33-1	33
013201	Fluid Pressure Regulating Valve	33-2	33
0133	Fresh Water Expansion Tank Group	34-1	34
Group 02	Main Reduction Gear	35-1	35
0201	External Hardware Parts	36-1	36
020101	Non-Metallic Hose Assembly	37-1	37

TABLE OF CONTENTS - Continued

0202	Fluid Transmission Cooler	38-1	38
0203	Double Changeover Filter	39-1	39
0204	Control Valve	40-1	40
0205	Torsional Coupling	41-1	41
0206	External Input/Intermediate Shaft Parts	42-1	42
0207	Housing/Input Shaft Group	43-1	43
020701	Housing Assembly	43-1	43
020702	Input Shaft Assembly	43-2	43
0208	Intermediate Shaft Parts.	44-1	44
0209	Output Shaft Parts	45-1	45
Group 03	Ship Service Generator Set	46-1	46
0301	Generator Assembly	47-1	47
0302	Diesel Engine Assembly	48-1	48
030201	Engine Starter - Air	49-1	49
030202	Electric Starting Motor/Magnetic Switch Group	50-1	50
030203	Instrument Panel Assembly	51-1	51
03020301	Terminal Board	51-2	51
030204	Water Filter Assembly	52-1	52
030205	Thermostat Housing Group	53-1	53
030206	Air Cleaner Group	54-1	54
030207	Turbocharger and Exhaust Group	55-1	55
030208	Fuel Filter Group	56-1	56
030209	Sump Pump Group	57-1	57
030210	Water Pump and Idler Group	58-1	58
03021001	Belt-Chain Tension Adjusting Device	58-1	58
03021002	Engine Cooling System Pump	58-2	58
030211	Lubricating Oil Cooler/Filter Group	59-1	59
03021101	Lubricating Oil Cooler Assembly	59-1	59
0302110101	Transmission Fluid Cooler	59-2	59
030212	Lubricating Oil Bypass Filter Group	60-1	60
030213	Coolant Heater Group	61-1	61
030214	Metering and Distributing Fuel Pump Assembly	62-1	62
03021401	Fluid Pressure Dampener	62-5	62
03021402	Fuel Pump Gear Assembly	62-5	62
03021403	Shutoff Valve Assembly	62-6	62
030215	Fuel Tubing Group	63-1	63
030216	Rocker Lever Housing Group	64-1	64
03021601	Rocker Lever Housing	64-2	64
0302160101	Engine Poppet Valve Rocker Arm	64-2	64
0302160102	Engine Poppet Valve Rocker Arm	64-2	64
0302160103	Injector Rocker Lever	64-2	64
030217	Injector Group	65-1	65
030218	Aftercooler Group	66-1	66
030219	Exhaust Manifold Group	67-1	67
030220	Cylinder Head Group	68-1	68
03022001	Diesel Engine Cylinder Head	68-1	68
03022002	Crosshead Valve Assembly	68-2	68

TABLE OF CONTENTS - Continued

030221	Cam Follower Housing Group	69-1	69
03022101	Cam Follower Housing	69-1	69
0302210101	Engine Poppet Valve Rocker Arm	69-1	69
0302210102	Engine Poppet Valve Rocker Arm	69-1	69
030222	Accessory Drive and Pulley Group	70-1	70
03022201	Flat Pulley Assembly	70-1	70
03022202	Transmission Power Take Off	70-1	70
0302220201	Constant Speed Mechanical Drive	70-1	70
030223	Gear Cover and Support Group	71-1	71
03022301	Gear Cover	71-1	71
030224	Oil Pan Group	72-1	72
030225	Engine Oil Pump Assembly	73-1	73
030226	Camshaft and Gear Group'	74-1	74
03022601	Camshaft	74-1	74
030227	Connecting Rod and Piston Group	75-1	75
03022701	Piston Connecting Rod	75-1	75
03022732	Internal Combustion Engine Piston	75-1	75
030228	Flywheel and Housing Group	76-1	76
03022801	Engine Flywheel Assembly	76-1	76
030229	Crankshaft Group	77-1	77
030230	Cylinder Block Group	78-1	78
03023001	Diesel Engine Block	78-1	78
0302300101	Piston Cooling Nozzle Assembly	78-2	78
0303	Sub-Base Group	79-1	79
Group 04	Emergency Generator Set	80-1	80
0401	Control Housing Assembly	81-1	81
0402	Instrument Panel Assembly	82-1	82
040201	Resistor Assembly	82-1	82
040202	Door Assembly	82-2	82
040203	Door Assembly	82-2	82
040204	Resistor Assembly	82-3	82
0403	Electric Governor Assembly	83-1	83
0404	Generator Heater Assembly	84-1	84
040401	Cable Assembly	84-1	84
0405	Overspeed Assembly	85-1	85
0406	Radiator Assembly	86-1	86
0407	Generator Assembly	87-1	87
0408	Diesel Engine	88-1	88
040801	Starting Motor Group	89-1	89
040802	Alternating Mounting Group	90-1	90
040803	Alternator Support Group	91-1	91
040804	Alternator Group	92-1	92
040805	Thermostat and Housing Group	93-1	93
040805	Water Inlet Connection Group	94-1	94
040806	Water Inlet Connection Group	94-1	94
040807	Air Cleaner Assembly	95-1	95
040808	Turbocharger Group	96-1	96
040809	Exhaust Connection Group	97-1	97
040810	Fan Drive Group	98-1	98
040811	Fuel Filter Group	99-1	99

TABLE OF CONTENTS - Continued

040812	Fuel Plumbing Group	100-1	100
040813	Fuel System Accessory Group	101-1	101
040814	Metering and Distributing Fuel Pump Assembly	102-1	102
040815	Fuel Pump Coupling Group	103-1	103
040816	Sump Pump Assembly	104-1	104
040817	Water Pump Group	105-1	105
040818	Lubricating Oil Cooler Group	106-1	106
040819	Valve Cover Group	107-1	107
040820	Rocker Lever Group	108-1	108
040821	Fuel Injector Group	109-1	109
040822	Cylinder Head Group	110-1	110
04082201	Diesel Cylinder Head	110-1	110
040823	Cam Follower Cover Group	111-1	111
040824	Front Gear Cover Group	112-1	112
040825	Oil Pan Group	113-1	113
040826	Lubricating Oil Pump Group	114-1	114
040827	Camshaft and Gear Group	115-1	115
040828	Connecting Rod and Piston Group	116-1	116
040829	Flywheel Housing Group.	117-1	117
040830	Flywheel Group	118-1	118
04083001	Engine Flywheel	118-2	118
040831	Crankshaft and Main Bearing Group	119-1	119
04083101	Crankshaft	119-1	119
040832	Cylinder Block Group	120-1	120
0409	Chassis Assembly	120-1	121
Group 05	Bow Thruster Engine	122-1	122
0501	Starting Motor/Magnetic Switch Group	123-1	123
0502	Instrument Panel Group	124-1	124
0503	Water Filter Group	125-1	125
050301	Water Filter Assembly	125-1	125
0504	Thermostat Housing Group	126-1	126
0505	Air Cleaner Group	127-1	127
050501	Air Cleaner	127-1	127
0506	Turbocharger Group	128-1	128
0507	•Fuel Filter Group	129-1	129
0508	Sump Pump Group	130-1	130
0509	Water Pump and Idler/Belt Guard Group	131-1	131
050901	Belt-Chain Tension Adjusting Device	131-1	131
050902	Engine Cooling System Pump	131-2	131
0510	Lubricating Oil Cooler/Filter Group	132-1	132
051001	Oil Cooler Assembly	132-2	132
05100101	Industrial Fluid Cooler	132-3	132
0511	Lubricating Oil Bypass Filter Group	133-1	133
0512	Coolant Heater Group	134-1	134
0513	Fuel Tubing, Shutdown Valve and Fuel Pump Group	135-1	135
051301	Solenoid Valve	135-2	135
051302	Metering and Distributing Fuel Pump	135-3	135

TABLE OF CONTENTS - Continued

0514	Rocker Lever Housing/Cover Group	136-1	136
051401	Rocker Lever Housing	136-1	136
05140101	Engine Poppet Valve Rocker Arm	136-2	136
05140102	Injector Rocker Lever	136-2	136
05140103	Engine Poppet Valve Rocker Ann	136-2	136
0515	Injector Group	137-1	137
0516	Expansion Tank Group	138-1	138
0517	Seawater Pump/Belt Guard Group	139-1	139
051701	Engine Cooling System Pump	139-2	139
0518	Heat Exchanger Group	140-1	140
051801	Heat Exchanger	140-2	140
0519	Air Intake Manifold Group	141-1	141
0520	Exhaust Manifold Group	142-1	142
0521	Cylinder Head Group	143-1	143
052101	Crossover Valve	143-1	143
052102	Diesel Engine Cylinder Head	143-1	143
0522	Cam Follower Housing Group	144-1	144
052201	Cam Follower Housing	144-1	144
052202	Engine Poppet Valve Rocker Arm	144-1	144
052203	Engine Poppet Valve Rocker Arm	144-1	144
0523	Accessory Drive and Pulley Group	145-1	145
052301	Transmission Power Takeoff	145-1	145
0524	Gear Cover Group	146-1	146
052401	Gear Cover	146-1	146
0525	Power Take-Off Assembly	147-1	147
052501	Nonmetallic Hose Assembly	147-1	147
052502	Collar Assembly	147-2	147
0526	Clutch Assembly - Friction	148-1	148
052601	Nonmetallic Hose Assembly	148-1	148
052602	Clutch Assembly	148-1	148
05260201	Sleeve Assembly	148-2	148
0526020101	Shaft Collar Assembly	148-2	148
0527	Oil Pan Group	149-1	149
0528	Lubricating Oil Pump Group	150-1	150
052801	Oil Lubricating Pump	150-1	150
05280101	Hydraulic Drive Housing	150-1	150
05280102	Spur Gear	150-1	150
05280103	Lube Oil Pump Body	150-1	150
0529	Camshaft Group	151-1	151
052901	Camshaft	151-1	151
0530	Connecting Rod and Piston Group	152-1	152
053001	Piston Connecting Rod Assembly	152-1	152
053002	Engine Piston Set	152-2	152
0531	Flywheel and Flywheel Housing Group	153-1	153
053101	Engine Flywheel	153-1	153
0532	Crankshaft Group	154-1	154
0533	Cylinder Block Group	155-1	155
053301	Piston Cooling Nozzle	155-1	155
053302	Diesel Engine Cylinder Block	155-1	155
0534	Bow Thruster Subbase Group	156-1	156

TABLE OF CONTENTS - Continued

Group 06	SPJ 55 Bow Thruster Waterjet	157-1	157
0601	Pump Assembly Complete	158-1	158
060101	Vane Pump	158-1	158
060102	Alternating Current Motor	158-1	158
0602	Oil Tank Assembly	159-1	159
0603	Hydraulic Aggregate	160-1	160
060301	Hydraulic Aggregate Base Assembly	161-1	161
060302	Return Oil Filter Assembly	162-1	162
0604	Feedback Unit	163-1	163
060401	Rudder Angle Transmitter	163-1	163
0605	Steering Gear Assembly (Right)	164-1	164
0606	Steering Gear Assembly (Left)	164-1	164
0607	Steering Assembly	165-1	165
060701	Hy-Motor	165-1	165
060702	Brake	165-1	165
0608	Upper Gear Assembly	166-1	166
060801	Flange Assembly	166-1	166
060802	Cover Assembly	166-1	166
0609	Water Jet Assembly	167-1	167
060901	Adjusting Device	167-1	167
0610	Oil Evacuation Pump	168-1	168
0611	Drive Shaft	169-1	169
0612	Waterjet Plumbing	170-1	170
Group 07	Reverse Osmosis Water Maker Assembly - Model PW800	171-1	171
0701	Sediment Strainer Assembly	172-1	172
0702	Micron Filter Assembly	173-1	173
0703	Air/Oil Separator Assembly	174-1	174
0704	Low Pressure Pump Assembly	175-1	175
0705	Motor and Pump Assembly	176-1	176
070501	High Pressure Hose Assembly	176-1	176
070502	Alternating Current Motor	176-2	176
070503	Axial Pistons Pump	176-2	176
0706	Magnetic Starter Assembly	177-1	177
0707	Dash Panel Assembly	178-1	178
070701	Water Quality Monitor Assembly	178-2	178
070702	Product Flowmeter Assembly	178-2	178
070703	Brine Flowmeter Assembly	178-2	178
070704	High Pressure Regulator Assembly	178-3	178
0708	Solenoid Valve Assembly	179-1	173
070801	Solenoid Valve	179-1	179
0709	Brine Manifold Assembly	180-1	180
0710	Cleaning Valve Assembly	181-1	181
0711	Pressure Vessel Assembly	182-1	182
0712	Louvered Panel Assembly	183-1	183
0713	Main Frame Assembly	184-1	184
Group 08	Air Compressor Assembly	185-1	185
0801	Alternating Current Motor	186-1	186
0802	Hydraulic Underloader Assembly	187-1	187

TABLE OF CONTENTS - Continued

0803	Cylinder Block and Head Assembly	188-1	188
080301	Cylinder Head Assembly	188-2	188
08030102	Valve Assembly	188-3	188
08030103	Valve Assembly Compressor	188-3	188
08030104	Valve Assembly Compressor	188-4	188
08030105	Unloader Assembly	188-4	188
08030106	Valve Assembly	188-5	188
0804	Connecting Rod and Low Pressure Piston Assembly	189-1	189
080401	Connecting Rod Assembly	189-1	189
0805	Connecting Rod and High Pressure Piston Assembly	190-1	190
080501	Connecting Rod Assembly	190-1	190
0806	Bearing Carrier Group	191-1	191
080601	Bearing Carrier Assembly	191-1	191
080602	Bearing Carrier	191-2	191
0807	Crankshaft Group	192-1	192
080701	Pulley Assembly	192-1	192
080702	Crankshaft Assembly	192-1	192
0808	Crankcase Assembly	193-1	193
080801	Gauge Rod-Cap Liquid Level	193-1	193
Group 09	Steering Gear System	194-1	194
0901	Follow Up Unit	195-1	195
0902	Hydraulic Cylinder Assembly	196-1	196
0903	Jockey Bar Assembly	197-1	197
0904	Tiller Arm Assembly	198-1	198
0905	Rudder Assembly	199-1	199
0906	Helm Pump	200-1	200
0907	Header Tank	201-1	201
0908	Twin Pump Assembly	202-1	202
090801	Electric Motor	202-3	202
090802	Hydraulic Pump Assembly	203-1	203
090803	Uniblock 2A Assembly	204-1	204
09080301	Coil Assembly	204-1	204
090804	Inlet Filter Assembly	205-1	205
0909	Relief Bypass and Shut-Off Valve	206-1	206
090901	Cartridge Relief	206-1	206
Group 10	Bow Ramp Assembly	207-1	207
1001	Hydraulic Power Pack Assembly	208-1	208
100101	Electric Motor	209-1	209
100102	Piston Pump Assembly	210-1	210
100103	Directional Control Valve	211-1	211
100104	Modular Relief/Crossport Relief Valve	212-1	212
1002	Hydraulic System Accessories Manifold	213-1	213
1003	Hydraulic Winch Assembly	214-1	214
100301	Hydraulic Hand Pump	215-1	215
100302	Emergency Hand Crank	216-1	216
100303	Hydraulic Motor	217-1	217
100304	Failsafe Hydraulic Brake	218-1	218
100305	Gear Reducer Assembly	219-1	219
10030501	Planet Carrier	219-1	219

TABLE OF CONTENTS - Continued

100306	Bow Ramp Winch	220-1	220
1004	Bow Ramp Lifting Assembly	221-1	221
100401	Pulley Sheave Assembly	222-1	222
100402	Wildcat Foundation Assembly	223-1	223
10040201	Chain Stopper Assembly	223-1	223
10040202	Wildcat Sheave Assembly	223-1	223
10040203	Locking Assembly	223-2	223
100403	Bow Ramp Hinge Assembly	224-1	224
100404	Bow Ramp Sealing	225-1	225
100405	Turnbuckle Assembly	226-1	226
100406	Gland Assembly	226-1	226
Group 11	Marine Sanitation System	227-1	227
1101	Sewage Treatment Unit Assembly	228-1	228
110101	End-Sediment Tank Cover Assembly	229-1	229
110102	Mid-Sediment Tank Cover Assembly	230-1	230
110103	Screen Assembly	231-1	231
110104	Impact Sprinkler	232-1	232
110105	Sewage Treatment Unit Sub-Assembly	233-1	233
110106	Control Module Assembly	234-1	234
110107	Cable Equipment Routing Assembly	235-1	235
110108	Level Sensor Assembly	236-1	236
110109	Discharge Pump System	237-1	237
110110	Flow Pump System	238-1	238
110111	Sludge Pump System	239-1	239
110112	Macerator Assembly	240-1	240
11011201	Motor Assembly	240-2	240
110113	Marine Sanitation System Piping	241-1	241
110114	Bleach Tank Assembly	242-1	242
110115	Commode Warning Light Assembly	243-1	243
Group 12	Fire Pump Subsystem		
1201	Auxiliary Fire Pump Assembly	244-1	244
120101	Flexible Coupling Assembly	244-2	244
1202	Centrifugal Pump Unit	245-1	245
120201	Alternating Current Motor	246-1	246
120202	Centrifugal Pump	247-1	247
Group 13	Bilge/Ballast Pump Assembly	248-1	248
1301	Alternating Current Motor	249-1	249
1302	Centrifugal Pump	250-1	250
Group 14	Gyro and Magnetic Compass System	251-1	251
1401	Mk 27 Mod 1 Gyrocompass	252-1	252
140101	Gyro Compass	252-1	252
140102	Gyro Control and Power Assembly	252-1	252
140103	Switching Unit	252-1	252
1402	Relay Transmitter Mk 37 Mod E	252-1	252
1403	Open Scale Repeater	252-1	252
1404	Bearing Repeater	252-1	252
1405	Bulkhead Mounting Bracket	252-1	252
1406	Pelorus Stand	252-2	252
1407	Power Converter	252-2	252