

ELECTRIC PROPULSION	PORT	STARBOARD
GENERATORS		
EXCITERS		
AIR COOLERS		
MOTORS		
AIR COOLERS		
CONTROL GEAR		
INSULATION RESISTANCE		
INSULATING OIL TEST		
OVERSPEED GOVERNORS		

MAGNETIC COUPLINGS & AIR CAPS	
----------------------------------	--

MINIMUM NUMBER OF GENERATORS REQUIRED
FOR ESSENTIAL SERVICES

MOTOR SHIP SURVEYS

PORT MAIN ENGINE		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
CYLINDERS, PISTONS, RODS, VALVES & GEARS													
CONNECTING RODS, TOP ENDS & GUIDES													
CRANKPINS & BEARINGS													
JOURNALS & BEARINGS													
SCAVENGE PUMPS													
SCAVENGE BLOWERS				COMPRESSORS ON MAIN ENGINE				COMPR. COOLERS					
SUPERCHARGER				CLUTCH OR COUPLING				GEARING					
THRUST				INTERMEDIATE SHAFTING									
HOLDING DOWN BOLTS & CHOCKS				CRANKCASE RELIEF DEVICES				ENGINE TEST					
MAIN ENGINE DRIVEN PUMPS	BILGE		S.W. COOLING		F.W. COOLING		LUB. OIL			FUEL			

AUXILIARY ELECTRICAL EQUIPMENT

GENERATORS	CABLES
MOTORS	INSULATION RESISTANCE
SWITCHBOARDS	STEERING
CIRCUIT BREAKERS	NAV. LIGHT. INDICATORS

AUXILIARY ENGINES

NUMBER & DESCRIPTION				
INDEPENDENT PUMPS FOR AUX. ENGINES				

Name KOSMONAUT 7E

STARBOARD MAIN ENGINE	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
CYLINDERS, PISTONS, RODS, VALVES & GEARS			3.65						MEC shaft Gears - 6.64			
CONNECTING RODS, TOP ENDS & GUIDES												
CRANKPINS & BEARINGS												
JOURNALS & BEARINGS												
SCAVENGE PUMPS												
SCAVENGE BLOWERS			COMPRESSORS ON MAIN ENGINE					COMPR. COOLERS				
SUPERCHARGER			CLUTCH OR COUPLING					GEARING				
THRUST			INTERMEDIATE SHAFTING									
HOLDING DOWN BOLTS & CHOCKS			CRANKCASE RELIEF DEVICES					ENGINE TEST				
MAIN ENGINE DRIVEN PUMPS	BILGE		S.W. COOLING		F.W. COOLING		LUB. OIL		FUEL			
INDEPENDENT PUMPS	BILGE		BALLAST			FUEL TRANSFER			FUEL PRIMING SURCHARGE			
	S.W. COOLING		F.W. COOLING			LUB. OIL			FUEL VALVE COOLING			
	FEED		GENERAL SERVICE			F. W. COOLERS			LUB. OIL COOLERS			
	FORCED CIRCULATION PUMPS			OTHER PUMPS WITH BILGE CONNECTIONS								
	BILGE, BALLAST & O.F. LINES			EVAPORATOR SAFETY VALVES				PROPELLERS SEA CONNECTIONS				
OTHER PIPING ARRGTS. & FITTINGS			CONDENSER				STEAM PIPES OVER 3" BORE					
OIL FUEL TANKS			OIL BURNING SYSTEM				STARTING AIR PIPES					
STEERING MACHINERY			WINDLASS				FIRE EXT. SYSTEM					
INDEP. AIR COMPRESSORS							COMPR. COOLERS					
MAIN AIR RECEIVERS							AUXILIARY AIR RECEIVERS					

011702-011711-0191