

1	MONITOR ENGINE PARTS AND ASSEMBLIES- BILL OF MATERIAL									MONITOR ENGINE PARTS AND ASSEMBLIES- BILL OF MATERIAL										
2	Assembly					BOLT/ NUT	DIA	O.A.L.			Assembly					BOLT/ NUT	DIA	O.A.L.		
3		Components	Sub-Component	PART Number	Quantity							Components	Sub-Component	PART Number	Quantity					
4	Cylinder Assembly ( C )			C 1	1					49	(Continued)		Valve Chest Stud Long	S 9	4	S	7/8"	7-1/4"		
5		Cylinder		C 2	1					50			Valve Chest Bolt	B 10	6	B	7/8"	3-3/4"		
6		Center Head		C 3	2					51			Valve Chest Nut	N 4	56	N	7/8"			
7		Cylinder Head	Port	C 4	1					52			Valve Rod Box Screws	L 3	4	L	5/8"	2-1/8"		
8			Starboard	C 5	1					53			Valve Rod Box Nuts	N 2	4	N	5/8"			
9			Packing Gland	C 6	2					54			Packing Gland Lock Nut	N 18	4	N	5/8"	Lock		
10			Babbitt Insert	C 7	2															
11		Piston -Face		C 8	2					60	Cutoff Chest Assembly (CC)			CC 1	P & S					
12		Piston-Trunk		C 9	2					61		Cutoff Chest Port		CC 2	1					
13			Wristpin	C 10	2					62		Cutoff Chest Starboard		CC 3	1					
14			Rings	C 11	4					63			Cutoff Valve	CC 4	2					
15			Ring -Support	C 12	2					64			Cutoff Valve Rod	CC 5	2					
16			Cylinder Drain Cocks	DC 1	8					65			Cutoff Bypass Cock	CC 6	2					
17		Fasteners	Center Head Bolts	B 9	22	B	3/4"	7"		66			Cutoff Bypass Cock Key	CC 7	2					
18			Center Head Nuts	N 3	22	N	3/4"			67			Cutoff Bypass Cock Clamp	CC 8	2					
19			Cylinder Head Stud	S 11	44	S	1"	4"		68			Cutoff Bypass Handle-Port	CC 9	1					
20			Cylinder Head Nuts	N 5	44	N	1"			69			Cutoff Bypass Handle-Starboard	CC 10	1					
21			Piston Stud-Center	S 15	8	S	1-1/2"	7		70			Cutoff Handle Linkage	CC 11	1					
22			Piston Nut-Center	N 14	8	N	1-1/2"	1-1/4"		71			Cutoff Linkage Pin	CC 12	2					
23			Piston Stud	S 12	24	S	1"	6"		72			Cutoff linkage Collar	CC 13	2					
24			Piston Nut	N 5	24	N	1"			73			Tallow Pot Lubricator Assembly	O 2	2					
25			Packing Gland Stud	S 6	12	S	3/4"	5-3/4"		74			Chest Drain Cock	DC 1	2					
26			Packing Gland Lock Nut	N 19	12	N	3/4"	Lock		75			Packing Gland	VC 9	2					
27			Packing Gland Nut	N 3	12	N	3/4"			76			Valve Rod Box Way Insert	VC 10	2					
28			Cylinder Mounting Stud	S 14	4	S	1-1/2	6-1/2"		77			Valve Rod Hardened Insert	VC 11	2					
29			Cylinder Mounting Nut	N 15	4	N	1-1/2"	1-1/2"		78		Fasteners								
30			Cylinder Mounting Bolt	B 18	4	B	1-1/2"	5-1/2"		79			Bypass Clamp Stud	S 4	2	S	3/4"	4-1/4"		
31	Valve Chest Assembly (VC)			VC 1	P & S					80			Valve Rod Lock Nuts-CC 5	N 7	4	N	1-1/4"			
32		Valve Chest Port		VC 2	1					81			Packing Gland Stud	S 2	4	S	5/8"	5"		
33		Valve Chest Starboard		VC 3	1					82			Packing Gland Nut	N 2	4	N	5/8"			
34			Steam Valve	VC 4	2					83			Valve Chest Bolt Long	B 11	4	B	7/8"	7"		
35			Valve Rod	VC 5	2					84			Valve Chest Bolt	B 10	52	B	7/8"	3-3/4"		
36			Conical Washer	VC 6	2					85			Valve Chest Nut	N 4	58	N	7/8"			
37			Balanced Valve Bonnet	VC 7	2					86			Valve Rod Box Screws	L 3	4	L	5/8"	2-1/8"		
38			Balanced Valve Bonnet Spacer	VC 8	4					87			Valve Rod Box Nuts	N 2	4	N	5/8"			
39			Packing Gland	VC 9	2					88			Bypass Clamp Nut	N 3	2	N	3/4"			
40			Valve Rod Box Way Insert	VC 10	2					89			Linkage Collar Pin	P 1	2		3/16"	1-1/4"		
41			Valve Rod Hardened Insert	VC 11	2					90			Packing Gland Lock Nut	N 18	4	N	5/8"	Lock		
42			Oil Cups	O 3	2					91										
43		Fasteners								92			Oil Cups	O3	2					
44			Valve Bonnet Spacer Bolt	B 2	4	B	3/4"	1-3/8"												
45			Valve Rod Lock Nuts	N 7	4	N	1-1/4"													
46			Packing Gland Stud	S 2	4	S	5/8"	5"					SUB-ASSEMBLIES ARE NOT IN APHABETICAL ORDER							
47			Packing Gland Nut	N 2	4	N	5/8"													
48			Valve Chest Stud	S 7	46	S	7/8"	3-3/4"									PAGE 1			

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