DEPARTMENT OF THE NAVY
NAVAL SURFACE WARFARE CENTER
CARDEROCK DIVISION

NAVAL SHIP SYSTEMS
ENGINEERING STATION
PHILADELPHIA, PA 19112-5083

IN REPLY REFER TO

9503
Ser 9234/123

From: Commander, Carderock Division, Naval Surface Warfare Center, Philadelphia, PA 19112
To: Commander, Naval Sea Systems Command (Code 5Z9)

Subj: FLEXIBLE RUBBER HOSE CHANGE TO PERIODIC MAINTENANCE

Ref: (a) NAVSEA Ltr Ser 03134.443 of 19 Dec 97
(b) NAVSEA S6430-AE-TED-010 Technical Directive for Piping Devices and Flex Hose Assemblies
(c) COMNAVSURFLANT Ltr Ser N434/0769 of 15 Jul 03

Encl: (1) Proposed LHD-1 Critical/Non-Critical Flex Hose List

1. By reference (a), CAN 3A (NSDSA Control Number A48048) was issued to modify the criteria for determining the criticality and to be extend the replacement requirements stated in reference (b), to twelve years for critical applications. No periodic replacement is required for Condition Based Maintenance (CBM) hoses unless assemblies fail visual inspection or in service.

2. As also stated in reference (a), hose lists are to be forwarded to Carderock Division, Naval Surface Warfare Center (NSWCCD-SSES) Code 9234 for review to develop a list of critical flex hose assemblies prior to forwarding the list to Naval Sea Systems Command (NAVSEA) Code 05Z for approval.

3. As requested by reference (c), NSWCCD-SSES Code 9234 was asked to review the existing flex hose list from USS WASP (LHD-1) to establish a Critical/Non-Critical Hose List to be utilized on all LHD-1 Class ships in an effort to save dollars but still ensure safety standards are met. Enclosure (1) provided a list of existing hose assemblies and recommended periodicies for use on all LHD-1 Class platforms.

4. NSWCCD-SSES points of contact are A. Pappalardo/D. Luciani, Code 9234, Commercial 215-897-7242/7875 or DSN 443-7242/7875.

Thomas A Perry

T.A. PERRY
By direction

Copy to:
NAVSEA Washington, DC (Code 03N)
COMNAVSURFLANT Norfolk, VA (N43, N434A)

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T.A. PERRY
By direction

Copy to:
NAVSEA Washington, DC (Code 03N)
COMNAVSURFLANT Norfolk, VA (N43, N434A)
NSWCCD-SSES (Codes 923, 9234(2))

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-1	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side FWD Dogging
EA-2	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side FWD Undogging
EA-3	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Main Supply
EA-4	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Main Supply
EA-5	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-6	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA7	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-8	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-9	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Dogging
EA-10	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Undogging
EA-11	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Supply
EA-12	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Supply
EA-13	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Top Dogging
EA-14	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Top Undogging
EA-15	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Lower Aft Undogging
EA-16	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Lower Aft Dogging
EA-17	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-18	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-19	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Bottom Dogging
EA-20	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Bottom Undogging
EA-21	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side Undogging
EA-22	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side Dogging
EA-23	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Opening
EA-24	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Closing
EA-25	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-26	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-27	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Dogging
EA-28	A	Upper Vertical Stowage	Port Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Undogging
EA-29	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-30	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-31	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-32	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-33	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-34	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-35	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Opening
EA-36	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Closing
EA-37	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging Supply
EA-38	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging Supply
EA-39	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-40	A	Upper Vertical Stowage	Port Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-41	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side FWD Dogging
EA-42	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Side FWD Undogging
EA-43	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Main Supply
EA-44	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Main Supply
EA-45	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-46	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-47	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-48	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-49	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Dogging
EA-50	A	Upper Vertical Stowage	Starboard Sideport Door Outboard FWD	H/F	100	8	3500	**Critical**	Top Undogging
EA-51	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Supply

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-52	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Supply
EA-53	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Top Dogging
EA-54	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Top Undogging
EA-55	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Lower Aft Undogging
EA-56	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Lower Aft Dogging
EA-57	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-58	A	Upper Vertical Stowage	Starboard Sideport Door Outboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-59	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Bottom Dogging
EA-60	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Botton Undogging
EA-61	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Side Undogging
EA-62	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Side Dogging
EA-63	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Opening
EA-64	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Closing
EA-65	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-66	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-67	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Top Dogging
EA-68	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Top Undogging

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-69	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-70	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-71	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Undogging
EA-72	A	Upper Vertical Stowage	Starboard Sideport Door Inboard FWD	H/F	100	8	3500	**Critical**	Dogging
EA-73	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-74	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-75	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Opening
EA-76	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Closing
EA-77	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Dogging Supply
EA-78	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Undogging Supply
EA-79	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Dogging
EA-80	A	Upper Vertical Stowage	Starboard Sideport Door Inboard AFT	H/F	100	8	3500	**Critical**	Undogging
EA-81	A	5-50-5-E	HPU #1 Suction/Supply	H/F	100	48	1200	**Critical**	DR #94-2673
EA-82	A	5-50-5-E	HPU #1 Recirc	H/F	100	12	1200	**Critical**	DR #94-2671
EA-83	A	5-50-5-E	HPU #1 Manifold to Sys	H/F	100	24	1200	**Critical**	DR #94-2674
EA-84	A	5-50-5-E	HPU #1 Sys to Manifold	H/F	100	24	1200	**Critical**	DR #94-2675
EA-85	A	5-50-5-E	HPU #1 Sys X-Con to Manifold	H/F	100	24	1200	**Critical**	DR #94-2677

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-86	A	5-50-5-E	HPU #1 Manifold to X-Con Sys	H/F	100	24	1200	**Critical**	DR #94-2676
EA-87	A	5-50-5-E	HPU #1 Return to Tank	H/F	170	34	1200	**Critical**	
EA-88	A	5-50-5-E	HPU #1 Pump to Manifold	H/F	170	24	1200	**Critical**	
EA-89	A	2-54-2-E	HPU #2 Suction/Supply	H/F	170	8	1200	**Critical**	DR #94-2673
EA-90	A	2-54-2-E	HPU #2 Recirc	H/F	170	12	1200	**Critical**	DR #94-2671
EA-91	A	2-54-2-E	HPU #2 Manifold to Sys	H/F	170	24	1200	**Critical**	DR #94-2674
EA-92	A	2-54-2-E	HPU #2 Sys to Manifold	H/F	170	24	1200	**Critical**	DR #94-2675
EA-93	A	2-54-2-E	HPU #2 Sys X-con to Manifold	H/F	170	24	1200	**Critical**	DR #94-2677
EA-94	A	2-54-2-E	HPU #2 Manifold X-con to Sys	H/F	170	24	1200	**Critical**	DR #94-2676
EA-95	A	2-54-2-E	HPU #2 Return to Tank	H/F	170	34	1200	**Critical**	
EA-96	A	2-54-2-E	HPU #2 Pump to Manifold	H/F	170	24	1200	**Critical**	
EA-97	A	4-69-4-E	HPU#3 Suction/Supply	H/F	170	48	1200	**Critical**	DR #94-2673
EA-98	A	4-69-4-E	HPU #3 Recirc	H/F	170	12	1200	**Critical**	DR #94-2671
EA-99	A	4-69-4-E	HPU #3 Manifold to Sys	H/F	170	24	1200	**Critical**	DR #94-2674
EA-100	A	4-69-4-E	HPU #3 Sys to Manifold	H/F	170	24	1200	**Critical**	DR #94-2675
EA-101	A	4-69-4-E	HPU #3 Sys X-con to Manifold	H/F	170	24	1200	**Critical**	DR #94-2677
EA-102	A	4-69-4-E	HPU #3 Manifold to X-Con Sys	H/F	170	24	1200	**Critical**	DR #94-2676

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-103	A	4-69-4-E	HPU #3 Return to Tank	H/F	170	34	1200	**Critical**	
EA-104	A	4-69-4-E	HPU #3 Pump to Manifold	H/F	170	24	1200	**Critical**	
EA-105	A	3-105-3-E	HPU #4 Suction/Supply	H/F	170	48	1200	**Critical**	DR #94-2673
EA-106	A	3-105-3-E	HPU #4 Recirc	H/F	170	12	1200	**Critical**	DR #94-2671
EA-107	A	3-105-3-E	HPU #4 Manifold to Sys	H/F	170	24	1200	**Critical**	DR #94-2674
EA-108	A	3-105-3-E	HPU #4 Sys to Manifold	H/F	170	24	1200	**Critical**	DR #94-2675
EA-109	A	3-105-3-E	HPU #4 Sys X-con to Manifold	H/F	170	24	1200	**Critical**	DR #94-2677
EA-110	A	3-105-3-E	HPU #4 Manifold to X-Con Sys	H/F	170	24	1200	**Critical**	DR #94-2676
EA-111	A	3-105-3-E	HPU #4 Return to Tank	H/F	170	34	1200	**Critical**	
EA-112	A	3-105-3-E	HPU #4 Pump to Manifold	H/F	170	24	1200	**Critical**	
EA-113	A	1-74-2-T	#1 Port Plenum Door Cyl supply FWD	H/F	170	12	3500	**Critical**	DR #03-0179
EA-114	A	1-74-2-T	#1 Port Plenum Door Cyl supply FWD	H/F	170	12	3500	**Critical**	DR #03-0179
EA-115	A	1-74-2-T	#1 Port Plenum Door Dogging	H/F	170	12	3500	**Critical**	DR #03-0179
EA-116	A	1-74-2-T	#1 Port Plenum Door Undogging	H/F	170	12	3500	**Critical**	DR #03-0179
EA-117	A	1-74-2-T	#2 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-118	A	1-74-2-T	#2 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-119	A	1-74-2-T	#2 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-120	A	1-74-2-T	#2 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-121	A	1-74-2-T	#3 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-122	A	1-74-2-T	#3 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-123	A	1-74-2-T	#3 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-124	A	1-74-2-T	#3 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-125	A	1-74-2-T	#4 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-126	A	1-74-2-T	#4 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-127	A	1-74-2-T	#4 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-128	A	1-74-2-T	#4 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-129	A	1-74-2-T	#5 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-130	A	1-74-2-T	#5 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-131	A	1-74-2-T	#5 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-132	A	1-74-2-T	#5 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-133	A	1-74-2-T	#6 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-134	A	1-74-2-T	#6 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-135	A	1-74-2-T	#6 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-136	A	1-74-2-T	#6 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-137	A	1-74-2-T	#7 Port Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-138	A	1-74-2-T	#7 Port Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-139	A	1-74-2-T	#7 Port Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-140	A	1-74-3-T	#7 Port Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-141	A	1-74-3-T	#1 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179
EA-142	A	1-74-3-T	#1 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179
EA-143	A	1-74-3-T	#1 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-144	A	1-74-3-T	#1 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-145	A	1-74-3-T	#2 STBD Plenum Door Cyl Supply FWD	H/F	100	12	3500	**Critical**	DR #03-0179
EA-146	A	1-74-3-T	#2 STBD Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-147	A	1-74-3-T	#2 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-148	A	1-74-3-T	#2 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-149	A	1-74-3-T	#3 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179
EA-150	A	1-74-3-T	#3 STBD Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-151	A	1-74-3-T	#3 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-152	A	1-74-3-T	#3 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-153	A	1-74-3-T	#4 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-154	A	1-74-3-T	#4 STBD Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-155	A	1-74-3-T	#4 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-156	A	1-74-3-T	#4 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-157	A	1-74-3-T	#5 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179
EA-158	A	1-74-3-T	#5 STBD Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-159	A	1-74-3-T	#5 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-160	A	1-74-3-T	#5 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-161	A	1-74-3-T	#6 STBD Plenum Door Cyl Supply	H/F	100	12	3500	**Critical**	DR #03-0179
EA-162	A	1-74-3-T	#6 STBD Plenum Door Cyl Supply AFT	H/F	100	12	3500	**Critical**	DR #03-0179
EA-163	A	1-74-3-T	#6 STBD Plenum Door Dogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-164	A	1-74-3-T	#6 STBD Plenum Door Undogging	H/F	100	12	3500	**Critical**	DR #03-0179
EA-165	A	4-73-0-Q	#1 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-166	A	4-73-0-Q	#1 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-167	A	4-73-0-Q	#1 100 lbs Washer	A	100	6	80	**Non-Critical**	
EA-168	A	4-73-0-Q	#2 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-169	A	4-73-0-Q	#2 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-170	A	4-73-0-Q	#2 100 lbs Washer	A	100	6	80	**Non-Critical**	

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-171	A	1-74-3-T	#3 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-172	A	4-73-0-Q	#3 100 lbs Washer	W	100	24	40	**Non-Critical**	
EA-173	A	4-73-0-Q	#3 100 lbs Washer	A	100	6	80	**Non-Critical**	
EA-174	A	4-73-0-Q	#1 200 lbs Washer	W	100	32	40	**Non-Critical**	
EA-175	A	4-73-0-Q	#1 200 lbs Washer	W	100	32	40	**Non-Critical**	
EA-176	A	4-73-0-Q	#1 200 lbs Washer	A	100	6	100	**Non-Critical**	
EA-177	A	4-73-0-Q	#2 200 lbs Washer	W	100	32	40	**Non-Critical**	
EA-178	A	4-73-0-Q	#2 200 lbs Washer	W	100	32	40	**Non-Critical**	
EA-179	A	4-73-0-Q	#2 200 lbs Washer	A	100	6	100	**Non-Critical**	
EA-180	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	100	2.5"	150	**Non-Critical**	Sec Drain
EA-181	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	100	2.5"	150	**Non-Critical**	Sec Drain
EA-182	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	200	12	20-40	**Non-Critical**	Water Jacket
EA-183	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	200	8	20-40	**Non-Critical**	
EA-184	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	200	16	20-40	**Non-Critical**	
EA-185	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-186	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-187	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	<150	12	300	**Non-Critical**	

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-188	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-189	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	180	10	50-70	**Critical**	
EA-190	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	180	10	50-70	**Critical**	
EA-191	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	L/O	180	8	100	**Critical**	
EA-192	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	L/O	180	16	100	**Critical**	Drain
EA-193	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	180	16	20-40	**Non-Critical**	
EA-194	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	W	180	8	20-40	**Non-Critical**	
EA-195	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	16		**Critical**	Gravity Drain
EA-196	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	16	50-70	**Critical**	
EA-197	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	8	50-70	**Critical**	
EA-198	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	8	50-70	**Critical**	
EA-199	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	8	50-70	**Critical**	
EA-200	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	8	50-70	**Critical**	
EA-201	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	F/O	100	10	50-70	**Critical**	
EA-202	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	100	24	300	**Non-Critical**	GH493
EA-203	A	FWD SS/EDG (4-41-2-E)	1 SS/EDG	A	100	24	150	**Non-Critical**	GH493
EA-204	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	200	12	20-40	**Non-Critical**	Jacket water inlet. Mil-A-53009

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-205	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	200	8	20-40	**Non-Critical**	Jacket water inlet. Mil-A-53009
EA-206	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	200	16	80	**Non-Critical**	
EA-207	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-208	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-209	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	<150	12	300	**Non-Critical**	
EA-210	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	<150	12	200	**Non-Critical**	
EA-211	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F	180	10	200	**Critical**	
EA-212	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F	180	10	200	**Critical**	
EA-213	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	<100	2.5	150	**Non-Critical**	
EA-214	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	<100	2.5	150	**Non-Critical**	
EA-215	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	L/O	180	8	100	**Critical**	
EA-216	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	L/O	180	16	100	**Critical**	
EA-217	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	180	16	20-40	**Non-Critical**	
EA-218	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	W	180	8	20-40	**Non-Critical**	
EA-219	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	16		**Critical**	F/O Supply
EA-220	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	12	50-70	**Critical**	F/O Waste
EA-221	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	16	50-70	**Critical**	F/O Crossover

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-222	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	8	50-70	**Critical**	F/O Crossover
EA-223	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	8	50-70	**Critical**	F/O Crossover
EA-224	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	8	50-70	**Critical**	F/O Crossover
EA-225	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	F/O	100	10	50-70	**Critical**	F/O Crossover
EA-226	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	100	24	150	**Non-Critical**	Wire Wrap 310-5862327
EA-227	A	AFT SS/EDG (3-114-2-E)	2 SS/EDG	A	100	24	300	**Non-Critical**	Wire Wrap
EA-228	A	Reefer Decks (6-45-0-E)	#1 Reefer Plant (Outlet)	W	80	40	50	**Non-Critical**	
EA-229	A	Reefer Decks (6-45-0-E)	#1 Reefer Plant (Inlet)	W	80	40	50	**Non-Critical**	
EA-230	A	Reefer Decks (6-45-0-E)	#2 Reefer Plant (Outlet)	W	80	40	50	**Non-Critical**	
EA-231	A	Reefer Decks (6-45-0-E)	#2 Reefer Plant (Inlet)	W	80	40	50	**Non-Critical**	
EA-232	A	Reefer Decks (6-45-0-E)	#3 Reefer Plant (Outlet)	W	80	40	50	**Non-Critical**	
EA-233	A	Reefer Decks (6-45-0-E)	#3 Reefer Plant (Inlet)	W	80	40	50	**Non-Critical**	
EA-234	A	3-113-2-E	#9 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-3236
EA-235	A	3-113-2-E	#9 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-3238
EA-236	A	3-113-2-E	#10 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-2989
EA-237	A	3-113-2-E	#10 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-3239
EA-238	A	3-113-2-E	#8 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-3237

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-239	A	3-113-2-E	#8 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-3235
EA-240	A	5-37-0-E	#2 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-2261
EA-241	A	5-37-0-E	#2 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2953
EA-242	A	5-37-0-E	#1 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-229-1
EA-243	A	5-37-0-E	#1 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2954
EA-244	A	5-37-0-E	#3 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-3210
EA-245	A	5-37-0-E	#3 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2274
EA-246	A	AMR (6-73-0-E)	#4 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-204-2
EA-247	A	AMR (6-73-0-E)	#4 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2264
EA-248	A	AMR (6-73-0-E)	#5 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-2262
EA-249	A	AMR (6-73-0-E)	#5 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2955
EA-250	A	AMR (6-73-0-E)	#6 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-2263
EA-251	A	AMR (6-73-0-E)	#6 Deballast Compressor (Inlet)	W	80	24	150	**Non-Critical**	96-2956
EA-252	A	AMR (6-73-0-E)	#7 Deballast Compressor (Outlet)	W	80	24	150	**Non-Critical**	96-204-1
EA-253	A	AMR (6-73-0-E)	#7 Deballast Compressor (Inlet)	W	80	20	150	**Non-Critical**	96-2273
EA-254	A	AMR (6-73-0-E)	3 A/C (Inlet)	W	70	20	90	**Non-Critical**	LHD 514006
EA-255	A	AMR (6-73-0-E)	3 A/C (Outlet)	W	70	128	90	**Non-Critical**	LHD 514006

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-256	A	AMR (6-73-0-E)	3 A/C (Inlet)	W	80	128	150	**Non-Critical**	
EA-257	A	AMR (6-73-0-E)	3 A/C (Outlet)	W	80	128	150	**Non-Critical**	
EA-258	A	AMR (6-73-0-E)	3 A/C (Inlet)	W	70	128	80	**Non-Critical**	Covered in Lagging
EA-259	A	AMR (6-73-0-E)	3 A/C (Outlet)	W	70	128	80	**Non-Critical**	Covered in Lagging
EA-260	A	AMR (6-73-0-E)	2 A/C (Inlet)	W	80	128	150	**Non-Critical**	
EA-261	A	AMR (6-73-0-E)	2 A/C (Outlet)	W	80	128	150	**Non-Critical**	
EA-262	A	AMR (6-73-0-E)	2 A/C (Inlet)	W	70	128	80	**Non-Critical**	Covered in Lagging
EA-263	A	AMR (6-73-0-E)	2 A/C (Outlet)	W	70	128	80	**Non-Critical**	Covered in Lagging
EA-264	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	20	45	**Non-Critical**	S/W Cooling
EA-265	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	20	45	**Non-Critical**	S/W Cooling Inlet. BPTB1111A
EA-266	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	20	75	**Non-Critical**	Pump to Coolant BPTB1111A
EA-267	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	16	75	**Non-Critical**	Stage Cooler. BPTB1111A
EA-268	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	16	75	**Non-Critical**	Stage Cooler. BPTB1111A
EA-269	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-270	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-271	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-272	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	A	80	16	1155	**Non-Critical**	Air Discharge. Teflon Hose

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-273	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	A	100	16	1155	**Non-Critical**	Air Inlet. Teflon Hose
EA-274	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	A	100	16	1155	**Non-Critical**	Air Inlet. Teflon Hose
EA-275	A	FWD Compressor Rm (5-37-0-E)	#1 HPAC	A	100	16	1155	**Non-Critical**	Air Intake. Teflon Hose
EA-276	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	20	45	**Non-Critical**	S/W Cooling
EA-277	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	20	45	**Non-Critical**	S/W Cooling Inlet. BPTB1111A
EA-278	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	20	75	**Non-Critical**	Pump to Coolant BPTB1111A
EA-279	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	16	75	**Non-Critical**	Stage Cooler. BPTB1111A
EA-280	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	16	75	**Non-Critical**	Stage Cooler. BPTB1111A
EA-281	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-282	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-283	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	W	80	16	45	**Non-Critical**	Stage Cooler
EA-284	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	AIR	100	16	1155	**Non-Critical**	Air Discharge. Teflon Hose
EA-285	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	A	100	16	1155	**Non-Critical**	Air Inlet. Teflon Hose
EA-286	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	A	100	16	1155	**Non-Critical**	Air Inlet. Teflon Hose
EA-287	A	AFT Compressor Rm (4-97-2-E)	#2 HPAC	A	100	16	1155	**Non-Critical**	Air Intake. Teflon Hose
EA-288	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	900	**Critical**	DR #93-390 FWD Equalizer
EA-289	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	900	**Critical**	AFT Equalizer

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-290	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	900	**Critical**	Supply/Return AFT
EA-291	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	900	**Critical**	Supply/Return FWD
EA-292	A	1-13-0-E	Port Anchor Windlass	H/F	100	32	3000	**Critical**	Supply/Return
EA-293	A	1-13-0-E	Port Anchor Windlass	H/F	100	32	3000	**Critical**	Supply/Return
EA-294	A	1-13-0-E	Port Anchor Windlass	H/F	100	12	3000	**Critical**	Brake
EA-295	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	3000	**Critical**	Actuator Drain
EA-296	A	1-13-0-E	Port Anchor Windlass	H/F	100	6	3000	**Critical**	Brake Return
EA-297	A	1-13-0-E	Port Anchor Windlass	H/F	100	12	3000	**Critical**	Brake Supply
EA-298	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	900	**Critical**	DR #93-390 FWD Equalizer
EA-299	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	900	**Critical**	AFT Equalizer
EA-300	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	900	**Critical**	Supply/Return AFT
EA-301	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	900	**Critical**	Supply/Return FWD
EA-302	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	32	3000	**Critical**	Supply/Return
EA-303	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	32	3000	**Critical**	Supply/Return
EA-304	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	12	3000	**Critical**	Brake
EA-305	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	3000	**Critical**	Actuator Drain
EA-306	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	6	3000	**Critical**	Brake Return

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
EA-307	A	1-13-0-E	Starboard Anchor Windlass	H/F	100	12	3000	**Critical**	Brake Supply
MP1-1	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Purifier	L/O	<200	16	1600	**Critical**	
MP1-2	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Purifier	L/O	<200		300	**Critical**	
MP1-3	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-4	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-5	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-6	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-7	MP1	AFT Main Machinery Rm (6-81-0-E)	#1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-8	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-9	MP	AFT Main Machinery Rm (6-81-0-E)	NR1 Recirc Brominator	W	<100	20	90	**Non-Critical**	
MP1-10	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	32	15-20	**Critical**	
MP1-11	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	32	300	**Critical**	
MP1-12	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	24	500	**Critical**	
MP1-13	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	24	500	**Critical**	
MP1-14	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	24	300	**Critical**	
MP1-15	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Purifier	L/O	<200	24	300	**Critical**	
MP1-16	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Recirc Brominator	W	<100	20	90	**Non-Critical**	

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
MP1-17	MP1	AFT Main Machinery Rm (6-81-0-E)	NR1 Boiler Air Atomization	A	<200	10		**Non-Critical**	Hoses kept locked in secure cabinet
MP1-18	MP1	STBD Stern Tube	NR1 Inflatable	CO2	1200	8		**Non-Critical**	Hoses kept locked in secure cabinet
MP2-1	MP2	FWD MMR	#2 Boiler Air Atomization	A		8	4000	**Critical**	
MP2-2	MP2	FWD MMR	#2 EFTP	A	<100	0.75	100	**Non-Critical**	
MP2-3	MP2	FWD MMR	2A MFP Gland Cooling	W	75-140	0.18	600	**Non-Critical**	
MP2-4	MP2	FWD MMR	2A MFP Gland Cooling	W	140	0.18		**Non-Critical**	
MP2-5	MP2	FWD MMR	2A MFP Gland Cooling	W	140	0.18		**Non-Critical**	
MP2-6	MP2	FWD MMR	2A MFP Gland Cooling	W	140	0.18		**Non-Critical**	Inlet
MP2-7	MP2	FWD MMR	2A MFP Gland Cooling	W	140	0.18		**Non-Critical**	
MP2-8	MP2	FWD MMR	2A MFP Gland Cooling	W	140	0.18		**Non-Critical**	
MP2-9	MP2	Port Stem Tube	#2 Inflatable	CO2		8	4000	**Non-Critical**	
MP2-10	MP2	FWD MMR	#2 Recirc Brominator	W		20	85	**Non-Critical**	Recirc Pump
MP2-11	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	Booster Pump Line
MP2-12	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	67-2 Ret
MP2-13	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	67-2 Suc
MP2-14	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	71-4 Ret
MP2-15	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	69-2 Ret

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
MP2-16	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	71-4 Suc
MP2-17	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	69-2 Suc
MP2-18	MP2	FWD MMR	#2 Recirc Brominator	W		20		**Non-Critical**	Priming Supply
MP2-19	MP2	FWD MMR	#2 PURIFIER	L/O		16	300	**Critical**	FC300
MP2-20	MP2	FWD MMR	#2 PURIFIER	L/O		16	300	**Critical**	
MP2-21	MP2	FWD MMR	#2 PURIFIER	L/O		24	250	**Critical**	
MP2-22	MP2	FWD MMR	#2 PURIFIER	L/O		24	300	**Critical**	
MP2-23	MP2	FWD MMR	#2 PURIFIER	L/O		24	300	**Critical**	
MP2-24	MP2	FWD MMR	#2 PURIFIER	L/O		24		**Critical**	AE-369
MP2-25	MP2	FWD MMR	#2 PURIFIER	L/O		32		**Critical**	2580-32
MP3-1	MP3	LCAC Pump Room	#2 LCAC Purifier	F/O	70	40	100	**Critical**	94-3421
MP3-2	MP3	LCAC Pump Room	#2 LCAC Purifier	W	70	16	80	**Non-Critical**	01-1767
MP3-3	MP3	LCAC Pump Room	#2 LCAC Purifier	W	70	16	80	**Non-Critical**	01-1788
MP3-4	MP3	LCAC Pump Room	#2 LCAC Purifier	W	70	16	80	**Non-Critical**	01-1789
MP3-5	MP3	LCAC Pump Room	#2 LCAC Purifier	A	70	4	100	**Non-Critical**	01-1790
MP3-6	MP3	LCAC Pump Room	#2 LCAC Purifier	W	70	64	80	**Non-Critical**	
MP3-7	MP3	LCAC Pump Room	#2 LCAC Purifier	W	70	64	80	**Non-Critical**	01-1794

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
MP3-8	MP3	LCAC Pump Room	#2 LCAC Purifier	F/O	70	40	100	**Critical**	94-3421
MP3-9	MP3	LCAC Pump Room	#1 LCAC Purifier	F/O	70	40	100	**Critical**	94-3421
MP3-10	MP3	LCAC Pump Room	#1 LCAC Purifier	F/O	70	40	100	**Critical**	94-3221
MP3-11	MP3	LCAC Pump Room	#1 LCAC Purifier	W	70	16	80	**Non-Critical**	02-2958
MP3-12	MP3	LCAC Pump Room	#1 LCAC Purifier	W	70	16	80	**Non-Critical**	02-2957
MP3-13	MP3	LCAC Pump Room	#1 LCAC Purifier	W	70	16	80	**Non-Critical**	02-2956
MP3-14	MP3	LCAC Pump Room	#1 LCAC Purifier	A	70	4	100	**Non-Critical**	551-314
MP3-15	MP3	LCAC Pump Room	#1 LCAC Purifier	W	70	64	80	**Non-Critical**	02-2940
MP3-16	MP3	LCAC Pump Room	#1 LCAC Purifier	W	70	64	80	**Non-Critical**	
ER-1	R	Decon Station #1	Water Supply	W	<100	24	150	**Non-Critical**	
ER-2	R	Decon Station #2	Water Supply	W	<100	24	150	**Non-Critical**	
ER-3	R	Decon Station #3	Water Supply	W	<100	24	150	**Non-Critical**	
ER-4	R	Decon Station #4	Water Supply	W	<100	24	150	**Non-Critical**	
ER-5	R	Decon Station $6	Water Supply	W	<100	24	150	**Non-Critical**	
CE-1	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-2	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-3	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CE-4	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-5	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-6	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-7	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-8	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-9	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-10	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-11	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-12	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-13	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-14	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-15	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-16	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-17	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-18	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-19	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-20	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CE-21	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-22	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-23	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-24	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-25	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-26	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-27	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-28	CE	XCVR Room	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-29	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)
CE-30	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-31	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)
CE-32	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-33	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)
CE-34	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-35	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)
CE-36	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-37	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CE-40	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-41	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Inlet)
CE-42	CE	XCVR Room	COOLER	W	70		80	**Non-Critical**	Amplifying Cooler (Outlet)
CE-43	CE	ECW Room NR 4	TYPE III ECW	W	70	12	20	**Non-Critical**	
CE-44	CE	ECW Room NR 4	LP AIR	A	70	8	40	**Non-Critical**	
CE-45	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-46	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-47	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-48	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-49	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-50	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-51	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-52	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-53	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-54	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-55	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-56	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CE-57	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-58	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-59	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-60	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-61	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-62	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-63	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Inlet)
CE-64	CE	RADIO	URC-109	W	70		80	**Non-Critical**	NE50-2033 (Outlet)
CE-65	CE	ECW RM NR 2	TYPE III ECW	W	70	24	80	**Non-Critical**	03-6001
CE-66	CE	ECW RM NR 2	TYPE III ECW	W	70	24	80	**Non-Critical**	
CE-67	CE	ECW RM NR 2	TYPE III ECW	W	70	24	80	**Non-Critical**	Return
CE-68	CE	ECW RM NR 2	TYPE III ECW	W	70	24	80	**Non-Critical**	Supply
CE-69	CE	ECW RM NR 2	TYPE III ECW	W	70	6	80	**Non-Critical**	Demineralizer Inlet
CE-70	CE	ECW Room #2	TYPE III ECW	W	70	6	80	**Non-Critical**	Demineralizer Outlet
CE-71	CE	SPN-35 RADOME	SPN-35 GCA	W	70	24	80	**Non-Critical**	A/C Supply
CE-72	CE	SPN-35 RADOME	SPN-35 GCA	W	70	24	80	**Non-Critical**	A/C Return
CE-73	CE	RADAR 2	SPS-49	W	70	6	80	**Non-Critical**	Klyston Supply

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CE-74	CE	RADAR 2	SPS-49	W	70	6	80	**Non-Critical**	Klyston bypass Sup
CE-75	CE	RADAR 2	SPS-49	W	70	16	80	**Non-Critical**	Klyston Supply
CE-76	CE	RADAR 2	SPS-49	W	70	16	80	**Non-Critical**	Klyston Ret.
CE-77	CE	RADAR 2	SPS-49	W	70	12	80	**Non-Critical**	Supply
CE-78	CE	RADAR 2	SPS-49	W	70	12	80	**Non-Critical**	Supply/Inlet to dummy load
CE-79	CE	RADAR 2	SPS-49	W	70	12	80	**Non-Critical**	Rtn Dummy load
CE-80	CE	RADAR 2	SPS-49	W	70	12	80	**Non-Critical**	Supply RF Isolator
CE-81	CE	RADAR 2	SPS-49	W	70	12	80	**Non-Critical**	Return RF Isolator
CE-82	CE	RADAR 2	RF	W	70	12	80	**Non-Critical**	Output RF Circ
CF-1	CF	05-67-3-C	NSSMS AMP/OSC (Secondary Cooling)	W	70	12	80	**Non-Critical**	
CF-2	CF	05-67-3-C	NSSMS AMP/OSC (Secondary Cooling)	W	70	12	80	**Non-Critical**	
CF-3	CF	05-67-3-C	LIQUID COOLER (PRI COOLANT IN)	W	70	16	80	**Non-Critical**	
CF-4	CF	05-67-3-C	LIQUID COOLER (PRI RETURN)	W	70	16	80	**Non-Critical**	
CF-5	CF	05-67-3-C	LIQUID COOLER (EXPANSION TANK FILL)	W	70	16	20	**Non-Critical**	
CF-6	CF	05-87-1-C	NSSMS 2 AMP/OSC (SECONDARY COOLANT)	W	70	12	80	**Non-Critical**	98-239F
CF-7	CF	05-87-1-C	NSSMS 2 AMP/OSC (SECONDARY COOLANT)	W	70	12	80	**Non-Critical**	98-239F TYPE 666
CF-8	CF	05-87-1-C	LIQUID COOLER 2	W	70	8	80	**Non-Critical**	DRAIN 2394-666

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-9	CF	05-87-1-C	LIQUID COOLER 2 (PRI COOLANT IN)	W	70	16	80	**Non-Critical**	
CF-10	CF	05-87-1-C	LIQUID COOLER 2 (PRI RETURN)	W	70	16	80	**Non-Critical**	
CF-11	CF	05-87-1-C	LIQUID COOLER 2 (EXPANSION TANK FILL)	W	70	16	20	**Non-Critical**	Cut Rubber Hose
CF-12	CF	05-79-3-Q	MK6 MOD 1 TRANSMITTER COOLER (03-6000 OUTLET)	W	70	24	80	**Non-Critical**	Chill Water Supply
CF-13	CF	05-79-3-Q	MK6 MOD 1 Transmitter Cooler/SPS 48E Unit 1 (03-6000-Outlet)	W	70	24	80	**Non-Critical**	Chill Water Return
CF-14	CF	05-79-3-Q	Demineralizer Feed	W	70	6	80	**Non-Critical**	
CF-15	CF	05-79-3-Q	Demineralizer Return	W	70	6	80	**Non-Critical**	
CF-16	CF	05-85-1-C	MK80 MOD 1 Transmitter	W	70	6	40	**Non-Critical**	
CF-17	CF	05-85-1-C	MK80 MOD 1 Transmitter	W	70	8	4	**Non-Critical**	551508
CF-18	CF	05-85-1-C	MK80 MOD 1 Transmitter	W	70	20	55	**Non-Critical**	551508
CF-19	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-20	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-21	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-22	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-23	CF	02-65-0-C CIC	OJ-451 MONITOR (Cooler Water Input)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-24	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-25	CF	02-65-0-C CIC	OJ-451 MONITOR (Cooler Water Inlet)	W	70		40	**Non-Critical**	

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-26	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-27	CF	02-65-0-C CIC	OJ-451 MONITOR (Cooler Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-28	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-29	CF	02-65-0-C CIC	OJ-451 MONITOR (Cooler Water Input)	W	70		40	**Non-Critical**	
CF-30	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-31	CF	02-65-0-C CIC	OJ-451 MONITOR (Cooler Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-32	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-33	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-34	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-35	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-36	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-37	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-38	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-39	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-40	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-41	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-42	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-43	CE	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-44	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-45	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-46	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-47	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-48	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-49	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-50	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-51	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-52	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-53	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-54	CF	02-65-0-C CIC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-55	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-56	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-57	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-58	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-59	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-60	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-61	CF	02-70-0-C TACC	OJ-451 FHC CED (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-62	CF	02-70-0-C TACC	OJ-451 FHC CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-63	CF	02-70-0-C TACC	OJ-451 ATC Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-64	CF	02-70-0-C TACC	OJ-451 ATC Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-65	CF	02-70-0-C TACC	OJ-451 ATC CED (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-66	CF	02-70-0-C TACC	OJ-451 ATC CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-67	CF	02-70-0-C TACC	OJ-451 AWC MONITOR (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-68	CF	02-70-0-C TACC	OJ-451 AWC MONITOR (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-69	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-70	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-71	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-72	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-73	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-74	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-75	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-76	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-77	CF	02-70-0-C TACC	OJ-451 AASC CED (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-78	CF	02-70-0-C TACC	OJ-451 AASC CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-79	CF	02-70-0-C TACC	OJ-451 CAS NO2 MONITOR (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-80	CF	02-70-0-C TACC	OJ-451 CAS NO2 MONITOR (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-81	CF	02-70-0-C TACC	OJ-451 CAS NO2 MONITOR (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-82	CF	02-70-0-C TACC	OJ-451 CAS NO2 MONITOR (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-83	CF	02-70-0-C TACC	OJ-451 THC MONITOR (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-84	CF	02-70-0-C TACC	OJ-451 THC MONITOR (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-85	CF	02-70-0-C TACC	OJ-451 THC CED (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-86	CF	02-70-0-C TACC	OJ-451 THC CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-87	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-88	CF	02-70-0-C TACC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-89	CF	02-77-0-C FLAG PLOT	OJ-451 FAAWC Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-90	CF	02-77-0-C FLAG PLOT	OJ-451 FAAWC Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-91	CF	02-77-0-C FLAG PLOT	OJ-451 FAAWC Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-92	CF	02-77-0-C FLAG PLOT	OJ-451 FAAWC Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-93	CF	02-77-0-C FLAG PLOT	OJ-451 FSSWS MONITOR (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-94	CF	02-77-0-C FLAG PLOT	OJ-451 FWSSWS MONITOR (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-95	CF	02-77-0-C FLAG PLOT	OJ-451 FSSWS CED (Cooling Water Input)	W	70		40	**Non-Critical**	
CF-96	CF	02-77-0-C FLAG PLOT	OJ-451 FWSSWS CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-97	CF	02-70-2-C HDC	OJ-451 Monitor (Cooling Water Inlet)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-98	CF	02-70-2-C HDC	OJ-451 Monitor (Cooling Water Return)	W	70		40	**Non-Critical**	Part # from Tech Man
CF-99	CF	02-70-2-C HDC	OJ-451 CED (Cooling Water Inlet)	W	70		40	**Non-Critical**	
CF-100	CF	02-70-2-C HDC	OJ-451 CED (Cooling Water Return)	W	70		40	**Non-Critical**	
CF-101	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E
CF-102	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E
CF-103	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-104	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-105	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-106	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-107	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-108	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-109	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-110	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-111	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-112	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-113	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-114	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-115	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-116	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-117	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-118	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-119	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-120	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-121	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-122	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-123	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-124	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-125	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-126	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-127	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)

Proposed LHD-1 Critical/Non-Critical Flex Hose List

ID No.	Work Ctr.	Location	Equip Description	Fluid	Temp	Dia.	Sys PSI	Designation	Remarks
CF-128	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-129	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-130	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-131	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-132	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-133	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-134	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)
CF-135	CF	02-71-1-C	Radar Display Rack	W	70	6	40	**Non-Critical**	715432-17 Rev (E)