CLASS 90

VISUAL SIGNALLING APPARATUS

INCLUDES: SEARCHIGHTS SHUTTERS

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MAYY TYPE DESIGNATION FIRST ASSIGNED FOR MAYY DRAWING OR SPECIFICATION	DESIGNATION FIRST ASSIGNED FOR ON SPECIFICATION	MAYY TYPE FIRST ASSIGNED FOR OR SPECIFICATION
CAY 90000 12-1-22 RE 90F 10Z SHUTTER - RADIAL VANE FOR 12-1-22 SEARCHLIGHTS.	CG- 90007-A VA-1 6RE 90J 1021A 24* SEARCHLIGHT PROJECTOR (INCANDESCENT / ARC). SAME AS -90007 EXCEPT FOR SLIGHT CHANGES IN COMPONENTS.	CHF 90011 GENERAL USE 57RE90J1025A SEARCHLIGHT - 12 INCH 12 INCH SIGNALLING SEARCHLIGHT USING EITHER THE TGS-16, 1 KW LAMP 115 VOLT, A TYPE TGS-19, 1000 WAIT LAMP 30 VOLT AND TYPE -90004 VENETIAN SHUTTER.
1/28/36 NOV. 41	1/6/39 809. 41	2/11/39 NOV. 41
CNF 90001 12-1-23 RE 90F 102 SHUTTER - RADIAL VANE FOR 12-1-23 SEARCHLIGHTS.	CC- 90007-B VA-2 6RE 90J 1041A 24" SEARCHLIGHT PROJECTOR (INCANDESCENT ARC). SAME AS -90007A EXCEPT USES ARMORED CABLE IN LIEU OF PLAIN CABLE.	CNF 90011-A COAST GUARD 57RE90J1036A SEARCHLIGHT - 12 INCH SAME AS CNF-90011 EXCEPT HAS PLATE GLASS REFLECTOR INSTEAD OF METAL MIRROR.
1/28/36 NOV. 41	10/4/39 NOV. 41	1/11/40
CG-90002 12-1-20 RE 90F 102 SHUTTER - RADIAL VANE FOR 12-1-20 SEARCHLIGHTS.	CG-90007-C VA-4 24" SEARCHLIGHT PROJECTOR SAME AS 900078 EXCEPT HAS KEY HOUNTING BRACKET ON ARM.	CNF 90011-8 CENERAL USE 57RE 90J 1044 SEARCHLIGHT - 12 INCH. SAME AS CNF-90011A EXCEPT FOR SLIGHT MODIFICATION IN COMPONENTS.
1/28/36 NOV. 41	4/8/41 NOV. 41	1/10/41 NOV. 41
CG-90003 RE 90F 103 SHUTTER - VENETIAN SHUTTER FOR 12-1-22 SEARCHLIGHTS.	CG-90008 VA SRE 90J 1015A ARC LAMP FOR 24" SEARCHLIGHT.	CG-90012 VB GRE 90J 1632A 24" SEARCHLIGHT PROJECTOR (INCANDESCENT / ARC). HAS REMOTE CONTROLLED SIGNALLING SHUTTER. SAME AS -90007A EXCEPT FOR WIRLING OF MAIN SWITCH FOR DC OPERATION.
2/13/36 HOV. 41	6/14/37 CC:WW-4978784 NOV. 41 ALT 1	10/4/39 NOV. 41
CAY 90004 RE 90F 103 SHUTTER - VENETIAN 57RE90F1031A SHUTTER FOR 12-1-23 SEARCHLIGHT.	CG-90008-A VA-1 FRE 90J 1022A ARC LAMP SAME AS -90008 EXCEPT FOR SLIGHT MODIFICATION IN COMPONENTS.	CG- 90012-A VB-1 24" SEARCHLIGHT - PROJECTOR. SAME AS 90012 EXCEPT USES ARMORED CABLE IN LIEU OF PLAIN CABLE.
2/13/36 CNF:2009 DATED NOV. 41 10/14/39	1/6/39 NOV. 41	10/4/39 NOV. 41
CNF 90005 RE 90F 103 SHUTTER - VENETIAN SHUTTER FOR 12-1-20 SEARCHLIGHT.	CG-90009 VA SEE 903 TO16A INCANOESCENT LAMP MOUNTING. FOR USE WITH TYPE TGS-16 2.1 KM LAMPS.	CG- 90012-B VB-2 & VB-3 GRE SOJ 10358 24" SEARCHLIGHT PROJECTOR. SAME AS NAVY TYPE -90012A EXCEPT THICKNESS OF METAL IN DRUM IS INCREASED FROM .06" TO 0.125" AND METAL PACKING IS USED INSTEAD OF FLAX PACKING IN TERMINAL TUBES.
2/13/36 NOV. 41	6/14/37 CG:H-4975058 NOV. 4.1 ALT 4	3/19/40 NOV. 41
CAY 90006 SEE BELOW RE 90J 1061 12" SEARCHLIGHT. 12" INCANDESCENT SEARCHLIGHT, 30 VOLTS.	CG-90009-A VA-1 GRE 90J 1023A INCANDESCENT LAMP MOUNTING. FOR USE WITH TYPE TCS-16 2.1 KW-LAMPS. SAME AS -90009 EXCEPT FOR SLIGHT MODIFICATION IN COMPONENTS.	CG-90012-C VB-4 24" SEARCHLIGHT PROJECTOR SAME AS NAVY TYPE -900128 EXCEPT HAS KEY MOUNTING BRACKET ON ARM.
# 12" SEARCHLIGHT. 12/31/36 NOV. 41	1/6/39 NOV. 41	4/8/41 HOV- 41
CG-90007 VA 6RE 90J 1014A 24 INCH SEARCHLIGHT PROJECTOR (INCANDESCENT / ARC). HAS REMOTE CONTROLLED SIGNALLING SHUTTER 4 2.1 KM INCANDESCENT LAMP TYPE TGS-18 FOR 60 YOLT SUPPLY OR ARC FROM 75 YOLT DC SUPPLI.	90010 RE 90J 107 SEARCHLIGHT, 12 INCH 14RE90J1019A INCANDESCENT, 1000 WATT EITHER 30 OR 115 VOLTS AC OR DC.	CNF 90013 AT'S 57RE90J1029A 12 INCH SEARCHLIGHT. HAND WHEEL PILOT HOUSE CONTROL, USES ONE TGS-16 I KW LAMP AND TYPE CNF-90004 VENITIAN SHUTTER,
5/4/37 NOV. 41	- Addition	11/22/39 CNF:2010 & 2012 NOV. 41 DATED 10/16/39
DATE "STATEST" MANIFOCTURES	DATE MANUFACTIVASE'S MANUFACTIVASE'S	DATE MANUFACTURES MANUFACTURES

NAVY TYPE FIRST ASSIGNED FOR OR SPECIFICATION NAVY TYPE FIRST ASSIGNED FOR OR SPECIFICATION HAVY TYPE FIRST ASSIGNED FOR ON SPECIFICATION 57RE90J1030A CNF 90014 CAN 90020 12 INCH SEARCHLIGHT.
LEVER PILOT HOUSE CONTROL: USES ONE
TCS-16 | KW LAMP AND TYPE CNF-90004 QFA-C.QFA-1C OPTICAL PROJECTOR VENITIAN SHUTTER.

11/22/39

CNF:2010-B & 20128; 10/18/39

4/3/44

CAN 90015 OFA: OPTICAL PROJECTOR:

CAN- 90021 QFA-5

2/13/42 811941 HAR. 44

CAN- 9UUZ1 QFA-5
OPTICAL PROJECTOR
SINILAR TO -90017 EXCEPT (1) POWER AMPFILLER UNIT REDESIONED (2) CHOPPER MOTOR
REDESIGNED TO A HYSTERESIS SIRUCIUME AND
PROVIDED AS A SEPARATE INSTEAD OF A
BUILT-IN UNIT (3) ADDITION OF "NO DOPPLER TARGET" FEATURE (4) REDESIGN OF
6/6/44
811948 OCT. 44

CAN90015A QFA-1 CAM 90015A QFA-1
OPTICAL PROJECTOR: SAME AS
BASIC NUMBER EXCEPT (1) SUBMARINE TUNING
GIRCLE INDEPENDENT OF SPEED, (2) ADDITION OF VARIABLE ATTENUATION FEATURE TO
ECHO RESPONSE, (3) MODIFICATION OF BORB
BARRAGE TO EITHER THE PATTERN LALD DOWN
BY EITHER A PC BOAT OR A DESTROYER, (4)
11/4/42
811941
REV 0 **MAR. 44** REV O

SOUND EFFECTS UNIT (6) RED LIGHT ADDED TO COMPASS DIALS (6) REARRANGEMENT OF CABINET AND TERMINAL BOARD WIRING.

ADDITION OF A RECTIFIER CAN90015A TO IMPROVE VOLTACE REGULATION AND HAVE
THE STABILITY OF THE DOPPLER, AND (5)
ALTERATION OF THE RELAY AND TRANSFORMER
UNIT TO MAKE PROVISION FOR FLASHING OF
THE BARRAGE WITHOUT INTERRUPTION OF
MOTION OF EITHER PURSUING VESSEL OR TARGET.

CAN 90016 OFA-2 CAN 90010 YEAR.

PEFFORKS SAME FUNCTIONS AS -90015 AND -90015-A, BUT HAS BEEN REDESIGNED. NOT INTERCHANGEABLE.

1/12/43 MAR. 44

811941 REV 0

CAN 90017 QFA-3
OPTICAL PROJECTOR:
SIMILAR TO CAN-90016 BUT RETICLE FOR
BOMB PATTERN HAS BEEN ELIMINATED AND
COMPONENT PARTS HAVE BEEN ADDED TO GIVE
HYDROPHONE EFFECT AT MEN SUBMARINE STATION-

2/12/43

811941

CAN 90018 QFA-2a
OPTICAL PROJECTOR
SIMILAR TO NAVY TYPE -90016 EXCEPT IMCLUDES LEFT HAND PROJECTING ELEMENT AND
SOUND EFFECTS SECTION AS IN NAVY TYPE -90017-

4/3/44 JULY 44

CAN 90019 QFA-b, QFA-16 OPTICAL PROJECTOR

4/3/44							•	
JULY 44								
	ASSIGNED 1SSUED				ASSIGNED			
STATUTE SANKERS C'ASTRESSE MANUACTURES		DATE	MANUFACTURER'S DESIGNATION	ATTACKTO STRUCKS	133020	DATE	MANUFACTURER'S	ASHLY SAIKUSA
							PESIGNATION	DKAWING NUMBER