ELECTRIC HORN

MODEL 6H

ADDITIONAL INFORMATION FOR SECTION K-6, ISSUE 1

Whilst horn model 6H is of the high frequency pattern, its internal movement is identical to that employed in model 9H windtone horn. The vibrating armature is coupled to a flexible diaphragm and a relatively rigid tone disc. When the self-interruptory electro-magnetic horn movement is energised, the diaphragm vibrates and the impact of the armature on the core face sets the tone disc vibrating at a higher frequency, determined by its size and the rigidity of its material. These two sets of vibrations combine, together with their various overtones, to give the horn its characteristic note.

MAINTENANCE

As specified for model 9H. See SECTION K-6, para. 2(a) and (b).

DESIGN DATA

(a) Nominal voltage of unit	6	12	24	36
(b) Resistance of operating coil ...	0.12—0.14 ohm	0.95—1.0 ohm	2.6—2.8 ohm	5.2—5.8 ohm
(c) Current consumption at nominal voltage...	4.0—4.5 amp.	2.75—3.25 amp.	1.5—2.0 amp.	1.25—1.75 amp.
(d) Arc suppression capacitor	—	—	0.15—0.2 mfd.	0.15—0.2 mfd.
(e) Movement frequency	375—385 c.p.s.	375—385 c.p.s.	375—385 c.p.s.	375—385 c.p.s.
(f) Tightening torque for centre core locknut	80—100 lb.-in. (0.92—1.15 kg.-m.)	80—100 lb.-in. (0.92—1.15 kg.-m.)	80—100 lb.-in. (0.92—1.15 kg.-m.)	80—100 lb.-in. (0.92—1.15 kg.-m.)
(g) Weight of horn ...	1 lb. (approx.) (0.454 kg.)	1 lb. (approx.) (0.454 kg.)	1 lb. (approx.) (0.454 kg.)	1 lb. (approx.) (0.454 kg.)

SERVICING

Model 6H horn is a riveted assembly and cannot be dismantled. In the event of the armature air gap having been disturbed, the horn movement can be reset as described in SECTION K-6, Page 2, para. 4 (a).