SERVICE BULLETIN

MERCURY OUTBOARDS

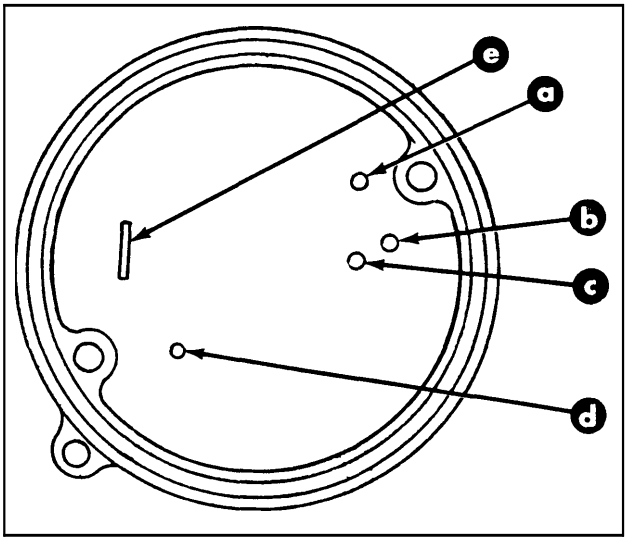
Number: 78-4
Date : 10/25/77

CIRCULATE TO:	SERVICE MGR.	PARTS MGR.	MECHANICS	Place in Your "Service Bulletins Binder

NOSE CONE TEST SPECIFICATIONS - THRUSTER

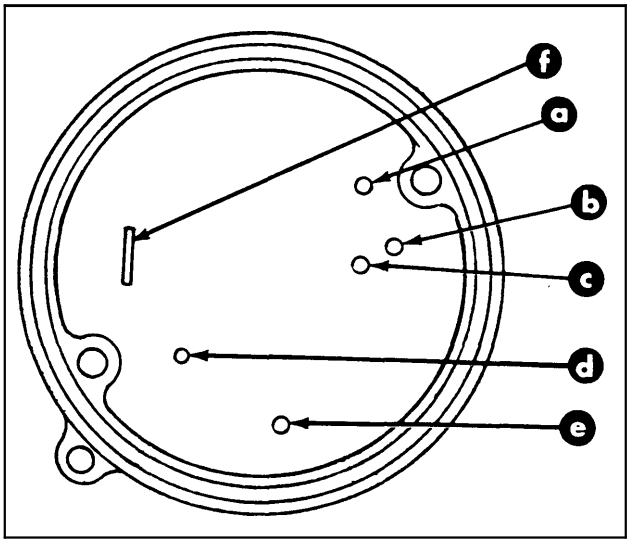
(Attach Service Bulletin Sticker to P. 13 of "Service Manual - 'Thruster' Electric Outboard" [C-90-75536].

1. Tests are performed with Quicksilver VOA Meter C-91-62562A1 (part of Quicksilver Thunderbolt Ignition Analyzer, C-91-62563A1).
2. If nose cone is warm from recent operation, allow it to cool before testing, or inaccurate readings may result.
3. Refer to Figures 1 and 2 for identification of nose cone type and wire color code position (4 lead wires OR 4 pin terminals OR 5 pin terminals).
4. Set VOA Meter on the scale specified in the test chart. (All tests, except "Metal Tab", are made on R x 100 scale.)
5. Connect VOA Meter leads as outlined in the test chart, following, and compare readings to specifications listed.



a - Blue
b - Red/White
c - Yellow
d - White
e - Metal Tab

Figure 1. (4 Lead Wire OR 4 Pin) - Nose Cone



a - Blue
b - Red/White or Gray
c - Yellow or Black
d - White or Green/White
e - Green (Not Used with 4-Wire Motor)
f - Metal Tab

Figure 2. (5 Pin) - Nose Cone

(OVER)

Nose Cone Test Chart

		Positive (Red) Test Lead					
	COLOR CODE	Red/White or / Gray	Blue	Yellow or / Black	White or Green/ / White	Green	* Metal Tab
Negative (Black) Test Lead	Red/White or / Gray	——	(R x 100) 1000-1600 Ohms	(R x 100) 1400-2000 Ohms	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	——
	Blue	(R x 100) 1000-1600 Ohms	——	(R x 100) 3200-4200 Ohms	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	——
	Yellow / or Black	(R x 100) 1400-2000 Ohms	(R x 100) 3200-4200 Ohms	——	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	(R x 1) / 5-15 Ohms
	White' or Green/ / White	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	——	(R x 100) No Continuity ∞	——
	Green	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	(R x 100) No Continuity ∞	——	——
No Continuity (∞) between Any Nose Cone Terminals and Nose Cone Case							

* *Scrape to Expose Bare Metal*