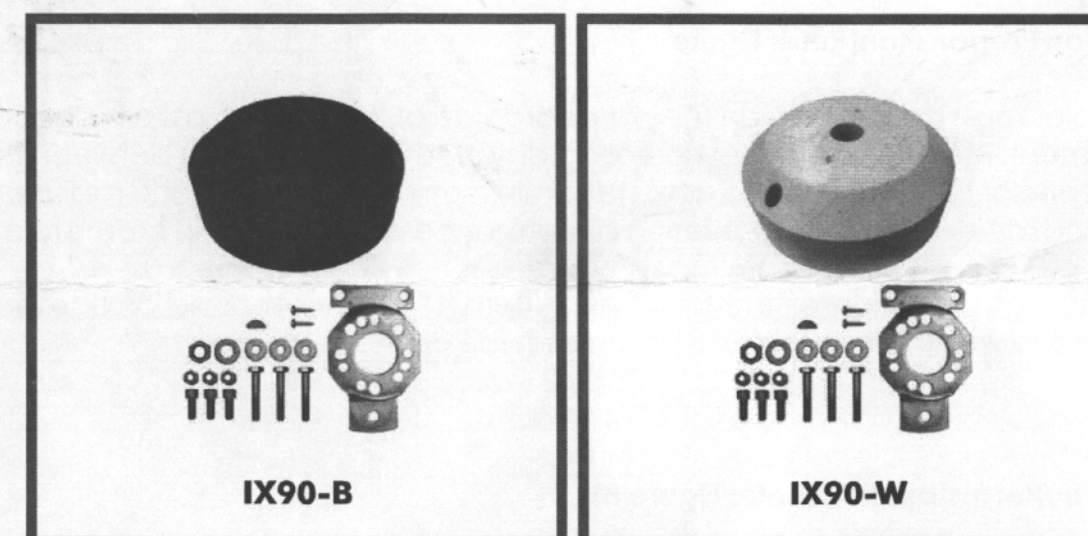


INSTALLATION MANUAL

BEZEL KIT




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BEZEL KIT

IX90-B / IX90-W

IMPORTANT SAFETY INFORMATION IS CONTAINED IN THIS SHEET AND THE SAME MUST BE FORWARDED TO THE BOAT OWNER.

Installer is advised to follow the instructions mentioned for installation of Steering Helm IT-02 / IT03 and corresponding Bezel kit 90 degree IX90-B. Following components shall be required for complete installation:

- 1) Steering Helm
- 2) Steering Wheel
- 3) Suitable Steering cable as for Helm (Two required for Dual Helm).

1) Pre Installation Preparation(Refer Figure A):

Steering cables must be installed on the starboard side of the boat so as to balance engine-twisting movement. Maintain minimum horizontal distance of 12" (300mm) between the rudder stock to the centre of the Helm shaft so as to get a minimum acceptable bend radius of 8 inch.

A smaller bend radius shall reduce steering performance and will result in premature failure of cables.

Mark approximate location of the Bezel cup (Item 1) on the console or dashboard. Use template provided with this instruction to drill holes in the dashboard

- 3 holes of 3/8" dia.
- 1 hole of 3 1/4" dia.

2) Mounting Bracket Installation (Refer Figure B):

Place Steering Helm mounting bracket (Item 2) on the dashboard. Insert the Hex bolt provided (Item 7) through the holes in the bracket and dashboard. Insert washers (Item 9) and thread Nylock nuts (Item 5) using torque wrench to 120 inch-pound minimum.

3) Mounting of Helm (Refer Figure C):

Insert the Steering Helm shaft through the center hole in the mounting bracket ensuring proper direction for entry of steering cable. Align the mounting hole and insert the 3 hex bolts (Item 6) supplied with the Helm and tighten to 75 inch-pound minimum. Do not Exceed 120 inch-pound.

WARNING

Check and re-screw / re-torque all fasteners and nuts after few hours of use and at regular periodic intervals. Also check steering system being securely installed. Loosening or separation of one or more screws can result in loss of control with subsequent property damage and/or personal injury.

All moving parts to be maintained free of salt buildup.

Keep all parts free of corrosion. Corroded parts must be replaced.

Steering cable should be free of cracks and other damages. Replace when found damaged.

PART LIST		
SN	DESCRIPTION	QTY
1	Bezel Cup	1
2	Helm Mounting Bracket	1
3	Key Woodruff	1
4	Nylock Nut M12 x 1.75	1
5	Nylock Nut M8 x 1.25	3
6	Hex Bolt M8 x 20	3
7	Hex Bolt M8 x 45	3
8	Plain Washer M12	1
9	Plain Washer M8	3
10	Self Tapping Screw	2

4) Mounting of Bezel (Refer Figure D):

Center align the Bezel cup (Item 1) around the Steering Helm shaft. Use the two screws (Item 10) provided to fix the Bezel. Do not over tighten so as to break the Bezel cup.

5) Mounting of Steering Wheel (Refer Figure D):

Insert Woodruff key (Item 3) into the shaft spline provided in Steering Helm shaft. Slide the Steering Wheel on the shaft aligning the Keyway & Woodruff key. Insert washer (Item 8) & thread using locknut (Item 4). Tighten to 300-inch-pound.

Warning

These instructions must be read carefully and followed before installation. Non-adherence to instructions or incorrect assembly may result in loss of control and may result in damage or injury.

The company does not accept any responsibility against safety or otherwise when substitute parts are used.

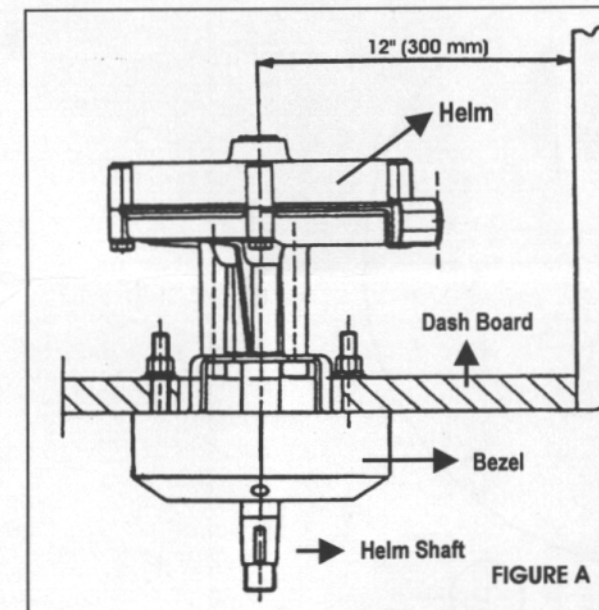


FIGURE A

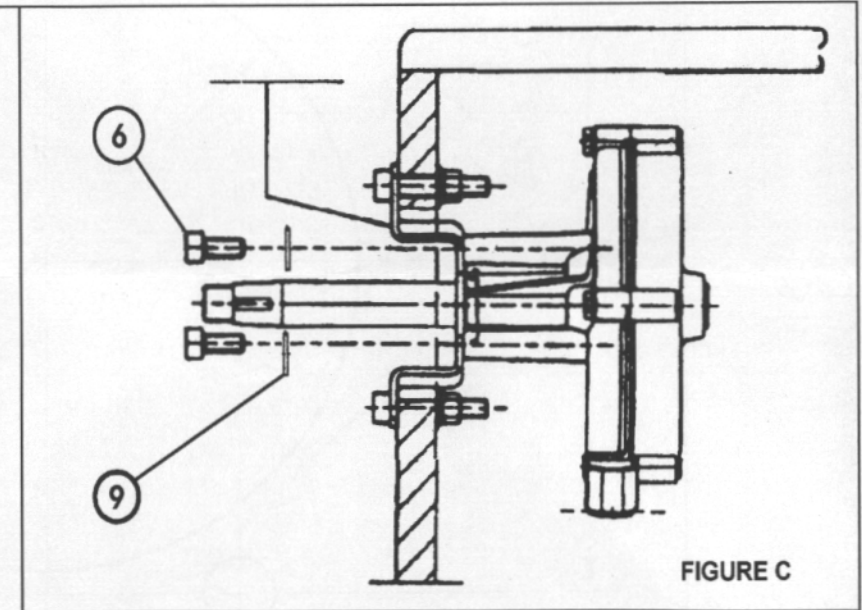


FIGURE C

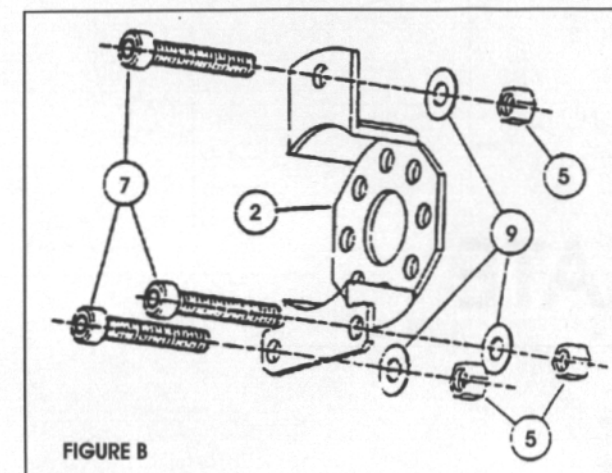


FIGURE B

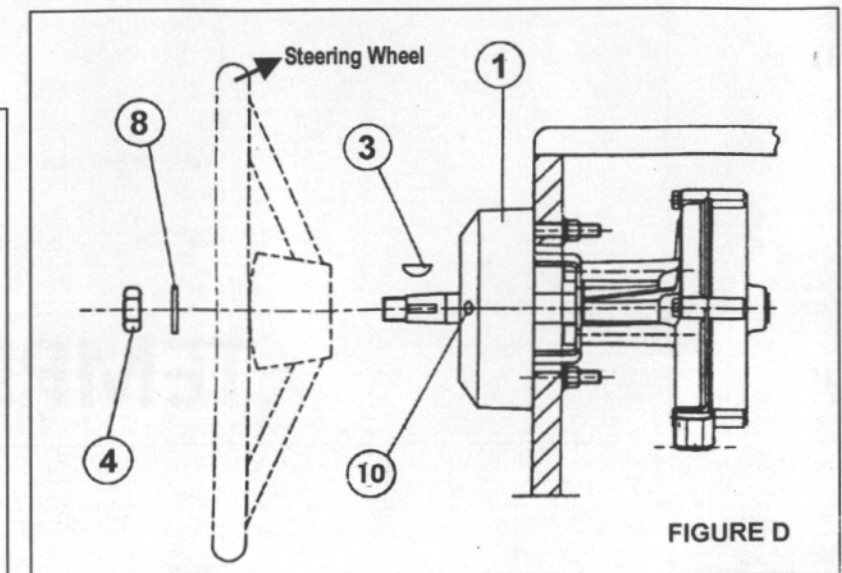


FIGURE D