

# SA27578P/27579P INBOARD CLAMP BLOCK KIT INSTRUCTIONS

**INSTALLER: THESE INSTRUCTIONS CONTAIN IMPORTANT SAFETY INFORMATION AND MUST BE FORWARDED TO THE BOAT OWNER.**

This kit contains parts for use in connecting a steering cable assembly to an inboard tiller arm..

The following additional parts are required to complete the installation:

SA27576P or SA27577P Clevis Kit  
SA27274P Aluminum support tube or  
SA27275P Stainless steel support tube

### WARNING

- BEFORE STARTING INSTALLATION READ THESE INSTRUCTIONS AND BOATMAKER'S INSTRUCTIONS THOROUGHLY. FAILURE TO FOLLOW EITHER OF THESE INSTRUCTIONS OR INCORRECT ASSEMBLY CAN RESULT IN LOSS OF CONTROL AND CAUSE PROPERTY DAMAGE OR INJURY.
- DO NOT SUBSTITUTE PARTS FROM OTHER MANUFACTURERS. THEY MAY CAUSE A SAFETY HAZARD FOR WHICH SEASTAR SOLUTIONS CANNOT ACCEPT RESPONSIBILITY.
- TO AVOID EXCESSIVE STEERING LOADS, AND TO GET THE BEST STEERING PERFORMANCE, TRIM TABS AND RUDDER BALANCE MUST BE ADJUSTED AS INSTRUCTED IN THE MANUFACTURER'S MANUAL. FAILURE TO DO SO CAN AFFECT THE PERFORMANCE OF THE BOAT AND ITS SAFE OPERATION.

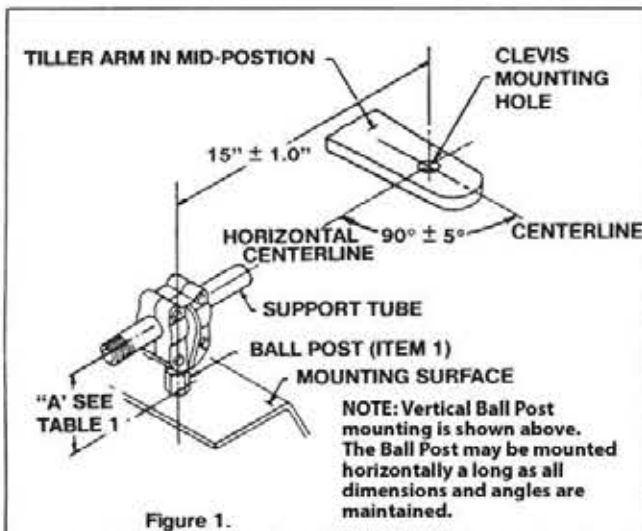


TABLE 1

KIT	DIMENSION "A"
SA27578P Short ball post	2-5/8 ins.
SA27579P Long ball post	4-7/8 ins.

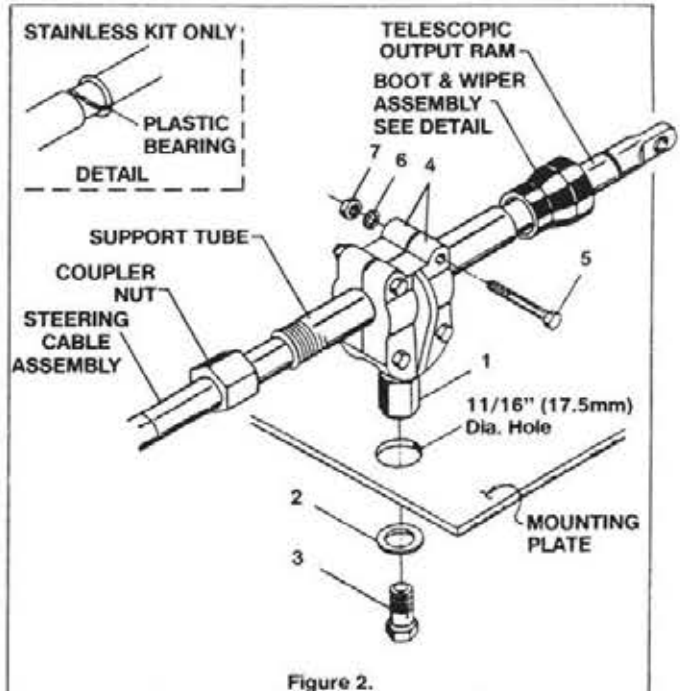
### PREPARATION FOR INSTALLATION.

A plate or angle is required for mounting the Ball Post (item 1). See Figure 1. This plate must be securely attached to a stringer or the transom. The dimensions shown in Figure 1 and Table 1 must be maintained. Ensure that there is no interference with other equipment, and that the steering system does not lockup at the extremes of travel. See Figure 2 for hole size required in plate.

**Step 1.** On stainless steel tube kit only, install plastic bearing into end of support tube.

**Step 2.** Lightly lubricate the output end of the steering cable with a waterproof grease, and slide the support tube over the cable end. Thread coupler nut onto support nut and tighten securely. **NOTE:** The coupler nut has a locking ring which must be fully engaged to prevent excessive backlash in the steering system.

**Step 3.** Push the boot and wiper assembly onto the end of the support tube until it is fully seated.



### BALL POST INSTALLATION.

Place shoulder of Ball Post (item 1) into hole in plate and retain in place using Flat Washer (item 2) and Hex bolt (item 3). Tighten bolt securely. See Figure 2.

### CLAMP BLOCK INSTALLATION.

Place Clamp Block Halves (item 4) around the support tube and over the ball of the ball post. See Figure 2. Retain in position using Hex Bolts (item 5), Washers (item 6), and Locknuts (item 7). Do not tighten fully at this time.

### TILLER ARM CONNECTION.

**Step 1.** Install clevis kit to end of steering cable following instruction packed with clevis kit.

**Step 2.** By turning the steering wheel, position the output end of the steering cable so that it is in mid-travel position. Center the tiller arm so that it is in the straight ahead position.

**Step 3.** Align the clevis to the tiller arm by sliding the support tube through the clamp block, and attach the clevis to the tiller arm following the instructions supplied with clevis kit.

**Step 4.** Check that steering travel is equal in both directions and fully tighten the bolts in the clamp block.

#### CAUTION

*THE BOAT SHOULD BE OPERATED WITH EXTREME CARE UNTIL THE STEERING HAS BEEN THOROUGHLY CHECKED TO ENSURE THAT INSTALLATION IS CORRECT.*

PARTS LIST		
ITEM	DESCRIPTION	QTY
1	Ball Post	1
2	Flat Washer 1/2"	1
3	Hex. Head Bolt 1/2"	1
4	Clamp Block Half	2
5	Hex. Head Bolt 1/4"	4
6	Flat Washer 1/4"	4
7	Lock Nut 1/4"	4

### MAINTENANCE NOTES

1. After a few hours of operation and at frequent intervals thereafter, check all fasteners and the complete system for security and integrity.

#### DANGER

**LOOSENING OR LOSS OF ONE OR MORE FASTENERS MAY CAUSE FAILURE OF THE STEERING SYSTEM, RESULTING IN LOSS OF STEERING CONTROL AND COULD CAUSE PERSONAL INJURY OR PROPERTY DAMAGE.**

2. Keep all moving parts free from build-up of salt and other foreign material. This will affect their operation and create steering problems. Pay particular attention to the support tube. Periodically remove the cable, clean the inside of the support tube thoroughly and lubricate with a waterproof marine grease.

3. Inspect periodically for corrosion. Any parts affected by corrosion must be replaced. When replacing hardware, self-locking hardware must be used.

4. Inspect steering cable periodically for cracks or other damage. If any is found the cable must be replaced.

#### DANGER

**DO NOT COVER CRACKS WITH TAPE OR OTHER SEALANTS, THIS WILL CREATE A HAZARD IN WHICH THE CABLE CAN FAIL SUDDENLY WITHOUT WARNING.**

KEEP THESE INSTRUCTIONS WITH YOUR BOAT FOR FUTURE REFERENCE.

