

Quick Reference

SAETROL

- 1) Determine the proper azimuth and elevation degrees setting for your location by entering the zip code of your present location into your receiver.
- 2) Raise the Sae-trol upright turning the crank 14 complete revolutions (20 degrees elevation).
- 3) Align the azimuth dial “N” with compass North.
- 4) Rotate the Sae-trol pointer label to the proper azimuth degree setting.
- 5) Adjust the elevation the proper number of additional turns. (Each additional turn adds approximately 6 degrees of elevation.)
- 6) Check for a signal, making minor adjustments if required.
- 7) Use the receiver’s signal strength screen to fine-tune and obtain the maximum signal strength.

Reminders:

Check for a clear line of sight (i.e., no tree limbs or buildings blocking the signal.)

The DSS System will have a reliable signal 97% of the time, regardless of conditions.

However, in unusually heavy rains, RAIN FADE may occur briefly, only lasting as long as the heavy rain cloud conditions persist.

Problems & Remedies

DIFFICULT TO PUSH HANDLE UP & DOWN

- a) After raising the antenna always “back off” the crank handle in the opposite direction about half a turn before pushing up to the rotate position.
- b) It is very important that there are no sideways pressure on shaft when the ceiling plate (10302) is fitted. To check this, raise the antenna, remove the ceiling plate and re-fit the crank handle – the shaft should move up and down with little effort. Before re-fitting ceiling plate, enlarge the ceiling hole so that the plate will fit flush without putting any stress on the shaft. Also, check that the glass fiber insulation is not fouling the shaft.

- c) The shaft may have been cut too short during installation thus preventing up and down movement. The only remedy is to replace the shaft. Remove pin (80405) which passes through the slot in top of worm (10300). Shaft (12927) may then be withdrawn downward after removing the ceiling plate (10302). The new shaft should be checked for “burrs” and coated with silicone grease before fitting. Use a twisting motion when inserting the new shaft to avoid damage to the o-ring (80903) positioned just below the worm (10300).

DIFFICULT TO ROTATE

- a) The most common cause is excessive caulking around the base and mounting plate, causing binding. In extreme cases, it will be impossible to turn the antenna usually resulting in breakage of the crank handle (12611). Check that the bearing surfaces of the base (12929) mounting plate (12660) are clear of caulking or sealing material.
- b) If the coax cable has been routed incorrectly it may prevent full rotation, or if too long the loop may catch on some other roof top device such as a vent.
- c) The antenna may have been installed too close to a vent or air conditioner with insufficient clearance for the base to rotate fully.

ANTENNA WILL NOT RAISE

- a) Usually caused by a stripped worm gear (12625) and/or worm (10300). Gears are usually damaged by (1) trying to raise the antenna by turning the crank in the wrong direction; (2) a heavy blow to the antenna head from a tree limb. For this reason we do advise against driving with the antenna in a raised position. A new worm gear (12625) is easily replaced after removing the gear cover (12662) and withdrawing the drive axle (12394). The worm may be replaced by removing pin at top of worm and then partly withdrawing the shaft downwards until it is clear of the worm. The damaged worm may then be removed and replaced. Caution – Do not lose the washer that is positioned just below the worm. All of the above work may be carried out without removing the unit from the vehicle. However, any damage to the base or plate will require removal from the roof. Details of damage repairs may be obtained by request from our customer service department.

RECEPTION

Due to the various locations used by recreational vehicles, reception will not be so consistent as at a fixed location because of the large variation in the terrain encountered throughout the country. In general, TV/FM signals (particularly UHF) travel roughly in a straight line, so hills, mountains, etc. between your vehicle and the transmitting station may severely reduce the amount of signal reaching your antenna.

If you are using the Galaxy model 12539, make sure that the ON/OFF switch on the booster amplifier is in the “ON” position when watching TV.

MAINTENANCE

All exposed moving parts should be lubricated every 3 months using a spray lubricant similar to WD40 or a silicone spray. Every year, lift the gear cover with antenna raised and check the grease. Replace if necessary using our “Super Lube” or similar grease. When replacing the cover, see that the side enclosures are inside the side of the cover.

