# WINEGARD® TRAV'LER®



www.winegard.com
For Technical Services, call 1-800-788-4417.
For Receivers and Programming, call 1-866-609-9374.
DO NOT RETURN ANTENNA TO PLACE OF PURCHASE.

For up-to-date information on receiver compatibility and programming, visit www.winegard.com/receivers

# **Product Registration**

Please register your Winegard product by filling out and returning the Product Registration Card provided or by completing the online registration form at <a href="http://www.winegard.com/registration">http://www.winegard.com/registration</a>.

Congratulations! You have selected the Winegard® TRAV'LER® Automatic Multi-Satellite TV Antenna. The TRAV'LER® antenna will deliver the ability to view up to five satellites at the same time with unmatched signal strength, the lowest travel height on the market, maximum HD capabilities and easy to use functionality—just like you get at home. This manual provides important information on the installation and operation of your TRAV'LER antenna. Please take time to read the manual in its entirety before installing or operating your antenna.

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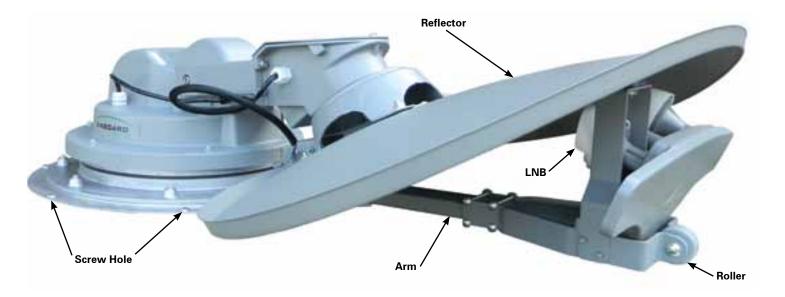


# **Specifications**

Height (stowed): 9.62 in Width (stowed): 33 in Length (stowed): 44 in

Unit Weight: 53 lbs Shipping Weight: 74 lbs

Depending on location and receiver type, the following satellites can be accessed with the SK-3005 in Multi-sat mode: 99°, 101°, 103°, 110°, 119°.



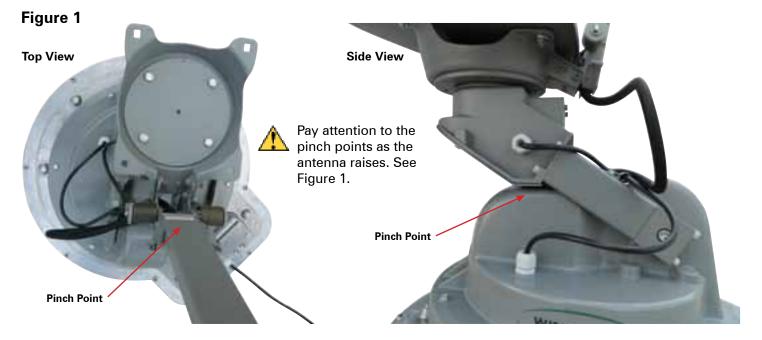
# Safety Recommendations



Do not attempt to install this system in the rain or under any wet conditions. Moisture may affect electronics and void your warranty.



Do not paint this antenna. Painting the TRAV'LER antenna will void your warranty.



Disclaimer: Although every effort has been made to ensure that the information in this manual is correct and complete, no company shall be held liable for any errors or omissions in this manual. All information contained in this manual is subject to change without notice. No warranty of any kind is made with regard to the information included in this manual. The satellite interface is designed specifically for use with motorized recreational vehicles, and information contained herein is provided for that purpose only.

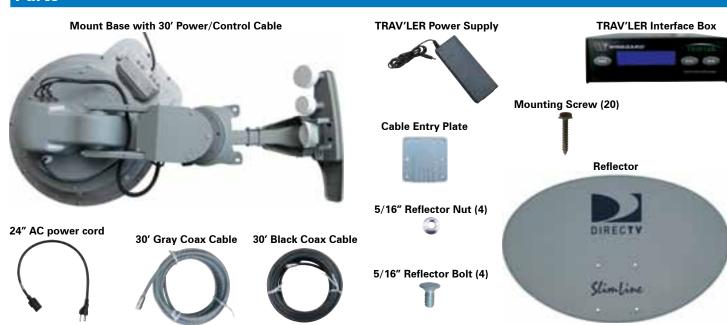
Installation

## Clearance Requirements

The arm of the TRAV'LER antenna extends 33" from the center of the base and may operate only 10" above the surface to which the TRAV'LER antenna is mounted. To ensure you have adequate clearance for the TRAV'LER antenna to safely operate, check that there are no obstructions taller than 10" within 33" of the center of the base. Also, check that there are no obstructions (such as tree limbs) above the antenna that will prevent it from raising. At its highest point, the antenna will extend to 37.5" above the roof to which it is mounted. See Figure 2.



#### **Parts**



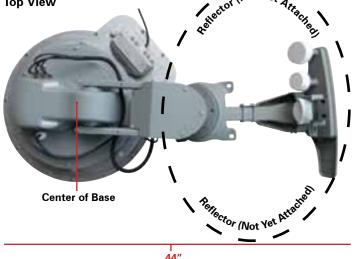
# Choosing a Location for the TRAV'LER Antenna

For best performance and to reduce signal acquisition time, park the vehicle on a level surface that is free of obstructions such as trees or large buildings. Make sure you have a clear view of the southern sky.

Before removing the TRAV'LER antenna from its box, contact your RV dealer or manufacturer. Your RV may be pre-wired or have a reinforced area for this system.

Choose a location on the roof of the RV that meets the following requirements:

Figure 3 Top View Center of Base



Winegard is NOT liable for damage, expenses, or injury caused by improper installation.

- 1 Offers enough support for a secure installation
- Allows dish to raise and rotate without interference from other roof-mounted equipment
- 3 Has a minimum roof space of 44" x 33" for antenna (Figure 3)
- 4 Lacks obstructions taller than 9" mounted within a 33" radius from the center of the TRAV'LER base
- 5 Has a gap of less than 3/16" between the bottom of the antenna and the roof



Figure 4

(Do not install the TRAV'LER antenna in a location where a gap of 3/16" or more exists between the bottom of the antenna and the roof, as the antenna may damage the roof)

6 Is within 5 degrees of level, or the system may require more time to locate satellites (for best operation, must be within 3 degrees of level)

# Choosing a Location for Cables to Enter the Vehicle

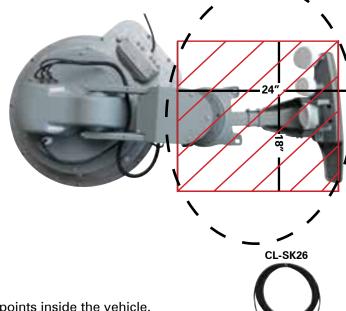
Once you have chosen a location for the TRAV'LER antenna, choose a location for the cables to enter the vehicle. Keep in mind the following:

- 1 The TRAV'LER interface box must plug into a well-ventilated 110 V outlet.
- 2 The 24" AC power cord must be long enough to extend from the outlet to the TRAV'LER power supply, which will then connect to the TRAV'LER interface box.
- 3 The 30' control cable must be long enough to extend from the TRAV'LER mount base to the interface box.
- 4 One 30' coax cable will need to be run from the mount base to each receiver inside the vehicle.

Note: the provided coax cables only include a connector on one end.



Do not run wires through the striped area shown in Figure 4. Anything in the striped area will interfere with the operation of the TRAV'LER antenna and may cause damage to the object or to the TRAV'LER antenna.



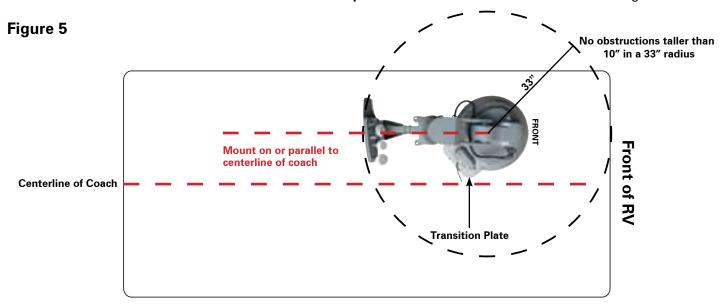
Sold Separately

Make sure cables are long enough to reach their destination points inside the vehicle. For cable runs longer than 30', an extension may be purchased. Winegard recommends using the CL-SK26 25' extension cable. Do not exceed 55' of cable!

Installation Installation

# Installing the TRAV'LER Antenna

Place the TRAV'LER antenna on the roof where you plan to install it. On the TRAV'LER mount base, the transition plate is marked "FRONT" and "BACK." Rotate the TRAV'LER antenna until the front of the TRAV'LER base faces the front of the RV. The TRAV'LER antenna must be mounted on or parallel to the centerline of the coach. See Figure 5.





When installing the TRAV'LER antenna on a rubber roof, Winegard recommends using the SKA-004 Roller Plate, which is designed to create a solid landing area for the roller. If not using this plate, make sure that the roller does not come in contact with any rib supports or bubbles in the roof when in operation. Failure to do so may result in damage to the roof.



Installation

Verify that the marked "FRONT" of the transition plate is facing the front of the vehicle (Figure 5).

#### Figure 6



Place marks through the nine holes in the mount base to mark the location where the screw holes will go. The arrows in Figure 6 indicate the location of the nine screw holes. It is important that you can see these marks on the roof of the RV. Move the TRAV'LER mount out of the installation area.



It is recommended that you do not pre-drill the screw holes at this time.

To prevent water from getting into the TRA'VLER, use a solid line of approved sealant to connect the marks in the shape of the base. This step *must* be completed, or the unit will fail due to corrosion. Replace the TRAV'LER antenna base.





Before using the supplied mounting screws, check with your vehicle manufacturer for any special screw requirements.

Then, screw the antenna base to the roof using nine mounting screws.

Run a solid bead of sealant around the edge where the transition plate meets the roof, making sure to cover each screw head. Be careful not to get any sealant above the lip of the transition plate. See Figure 7.

Lip of Transition Plate

# Installing the Cable Entry Plate

After installing the TRAV'LER antenna mount base, install a cable entry plate at the location chosen for cables to enter the vehicle from the roof, following the instructions below.

Drill a 1/2" hole in the roof, and push the power/control cable and one coax cable per receiver through the hole. (Installations for multiple receivers may require a larger hole or multiple holes because each receiver requires a dedicated coax cable.)

Place the supplied cable entry plate over the hole and cables. Screw the plate in place using eight of the supplied mounting screws. See Figure 8. Seal the plate and screw holes with approved sealant (not included).

Depending on the length of the cable on the roof, you may need to use cable clamps between the unit and the cable entry plate. Clamping every 12–16" should eliminate any unnecessary cable movement.

TV



# **Installing the Cables**

Connect the power/control cable to the TRAV'LER interface box, as shown below in Figure 9. Attach the TRAV'LER power supply to the TRAV'LER interface box, and attach the AC power cord to the TRAV'LER power supply.

#### Figure 9

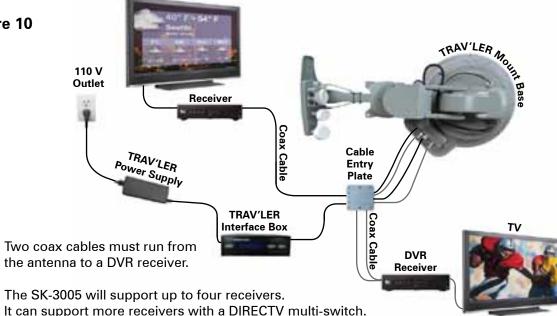
**Back of TRAV'LER Interface Box** 



Finally, connect a coax cable from the TRAV'LER mount base to each receiver being used with the TRAV'LER antenna. **Note that two coax cables must run from the TRAV'LER antenna to a DVR receiver.** Plug in the AC power cord to the outlet. Note: the provided coax cables only include a connector on one end.

## **Overall Installation**

Figure 10



Installation

# Installing the Reflector

Once the sealant around the cable entry plate has begun to cure, check that there is nothing above the unit that might prevent the antenna from raising. Follow the steps below to raise the antenna for reflector installation. In some cases you may be able to install the reflector with the unit in the stowed position; if so, skip to step 3.



Pay attention to the pinch points as the antenna raises. Refer to Figure 1 on page 1 of Installation.

- 1 Press [POWER], and hold for two seconds to turn on the TRAV'LER interface box. Wait until the interface box finishes "connecting to antenna." The TRAV'LER antenna may enter the search routine after ten seconds.
- 2 As the antenna raises, press [POWER] and [SELECT] at the same time. The antenna should stop moving.
- 3 Line up the four holes on the reflector with the four holes on the mounting bracket. Insert the four reflector bolts through the four holes on the front of the reflector. Thread a nut onto each bolt, and tighten the nuts.
- 4 Press [POWER] until the interface displays "Stowing..."; this should lower the antenna to the travel position (Figure 11).

Figure 11
Travel Position



# WINEGARD MOBILE PRODUCTS LIMITED WARRANTY (2 YEARS PARTS; 1 YEAR LABOR)

Winegard Company warrants this product against defects in materials or workmanship for a period of two (2) years from the date of original purchase. During year one (1) of such warranty, Winegard Company will also pay authorized labor costs to an authorized Winegard dealer to repair or replace defective products. No warranty claim will be honored unless at the time the claim is made, Customer presents proof of purchase to an authorized Winegard dealer (to locate the nearest authorized Winegard dealer, contact Winegard Company, 3000 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-288-8094 or visit www.winegard.com). Customer must provide proof of purchase with a dated sales receipt for the Winegard product to verify the product is under warranty. If the date of purchase cannot be verified, the warranty period shall be considered to begin thirty (30) days after the date of manufacture.

If a defect in material or workmanship is discovered, Customer may take the product to an authorized Winegard dealer for service. Customer must provide proof of purchase to verify the product is under warranty. If the product is brought to an authorized Winegard dealer for service prior to expiration of year one (1) of the warranty period and a defect in material or workmanship is verified by Winegard Technical Services, Winegard Company will cover the Winegard dealer's labor charges for warranty service. The Winegard dealer must contact Winegard Technical Services in advance for pre-approval of the service. Approval of the service is at the sole discretion of Winegard Company.

Alternatively, Customer may ship the product prepaid to Winegard Technical Services (located at 3111 Kirkwood Street, Burlington, Iowa 52601, Telephone 800-788-4417). Customer must return the product along with a brief description of the problem and provide Winegard Technical Services with Customer's name, address, and phone number. Customer must also provide proof of purchase to verify the product is under warranty. If the product is returned before the expiration of the warranty period, Winegard Company will (at its option) either repair or replace the product.

This Limited Warranty does not apply if the product has been damaged, deteriorates, malfunctions or fails from: improper installation, misuse, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard in any manner whatsoever, removing or defacing any serial number, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain. This Limited Warranty also does not apply if the product becomes unable to perform its' intended function in any way as a result of the television signal provider making any changes in technology or service.

#### **RETURN AUTHORIZATION POLICY**

A Return Material Authorization (RMA) is required prior to returning any product to Winegard Company or Winegard Warranty Services under this warranty policy. Please call our Technical Services Department at 800-788-4417 or send an e-mail to <a href="mailto:warranty@winegard.com">warranty@winegard.com</a> to obtain the RMA number. Please furnish the date of purchase when requesting an RMA number. Enclose the product in a prepaid package and write the RMA number in large, clear letters on the outside of the package. To avoid confusion or misunderstanding, a shipment(s) without an RMA number(s) or an unauthorized return(s) will be refused and returned to Customer freight collect.

WINEGARD COMPANY DOES NOT ASSUME ANY LIABILITIES FOR ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, MADE BY ANY OTHER PERSON.

ALL OTHER WARRANTIES WHETHER EXPRESS, IMPLIED OR STATUTORY INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY ARE LIMITED TO THE TWO YEAR PERIOD OF THIS WARRANTY.

In states that do not allow limitations on implied warranties, or the exclusion of limitation of incidental or consequential damages, the above limitations or exclusions do not apply. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

 $This \ warranty \ gives \ Customer \ specific \ legal \ rights. \ Customer \ may \ also \ have \ other \ rights \ that \ may \ vary \ from \ state \ to \ state.$ 

#### SATELLITE RECEIVER WARRANTY

See manufacturer's limited warranty policy.

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Rev. 1/10

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6 Installation

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# **Automatic Operation**

The TRAV'LER interface offers a simple one button operation. The steps below show the screens that will be displayed as the TRAV'LER Automatic Multi-Satellite Antenna searches for satellites during operation. This one button operation is used for both general operation and for setting up the receiver.





Press and hold [POWER] for two seconds or until the TRAV'LER interface displays "POWER ON."





Now that the power is on, release the **[POWER]** button.





The TRAV'LER interface will try to determine the type of dish that it is working with. The TRAV'LER interface will display the type of satellite dish on the top line.





The TRAV'LER antenna will enter the search mode as part of its normal operation.





The TRAV'LER will find its home position. Then, it will begin to look for a satellite. When the TRAV'LER antenna finds a satellite, it will fine-tune or "peak" on the signal and determine which satellites have been found. Once the TRAV'LER knows which satellites have been found, it moves to the correct satellite(s).





In automatic search mode, the TRAV'LER antenna will lock onto three different satellites.

As the antenna finishes searching, the TRAV'LER antenna will display an asterisk for each satellite found.

If you want to turn off the power to the TRAV'LER antenna after the antenna has locked onto satellites, press [POWER] and [SELECT] at the same time. Before traveling, make sure to press [POWER] and wait for antenna to start to power up. Then press [POWER] again to initiate the stow sequence. See page 4 for more information on stowing before traveling.

Continue to page 3 if setting up the receiver for the first time or if setting up the receiver after moving the receiver from the house to the RV. If the receiver is already set up in the RV, you are now ready to watch TV!

Operation 1

## **Manual Operation**

The TRAV'LER antenna is a versatile satellite antenna and can be manually set to find many different satellites individually. Note: this function is rarely used. The instructions below assume that the TRAV'LER antenna is already in the stowed position.





Press and hold [POWER] for two seconds or until the TRAV'LER interface displays "POWER ON."





Press and hold the [ENTER] button for two seconds. The TRAV'LER interface will ask if you wish to enter the User Menu. Press [SELECT] to choose "Yes," and then press [ENTER].





The User Menu consists of four choices: Search Mode, Diagnostics, Installation, and Exit.

Note: Diagnostic and Installation menus are not required for normal operation and should only be entered by a trained professional.

Press [ENTER] to choose Search Mode.





Once in the Search Menu, you may choose from the following: MULTISAT MODE (normal search mode), MANUAL 101, MANUAL 110, MANUAL 119, MAIN MENU (returns to the User Menu), or EXIT (enters the search routine).

Press [SELECT] to cycle through these satellites until the asterisk is next to the satellite you wish to find. Then, press [ENTER] to select a satellite.



2



The TRAV'LER interface will ask you to confirm the change. Press [SELECT] to move the asterisk to "Yes," and then press [ENTER]. The TRAV'LER interface will then acknowledge which satellite has been selected. Press [ENTER].





The TRAV'LER interface will ask if you want to turn the power off. Press [ENTER] to choose "No" and start a new search for your chosen satellite. Press [SELECT] then [ENTER] to choose "Yes" and turn off the antenna.

The TRAV'LER antenna will remain in manual mode until you select "Multi-Sat Mode" again.

# **DIRECTV Receiver Setup**



The following instructions assume that the TRAV'LER antenna has found and locked onto satellites 101°, 110°, 119°, 99° and 103°. There should be an asterisk next to 101°, 110°, and 119° on the TRAV'LER interface.

In most DIRECTV receivers, the setup is done through the "Repeat Satellite Setup" option in your receiver manual. The following instructions are based on an H24 receiver. If your receiver differs from the options shown, you may need to consult your receiver manual. The wording and display used in your receiver may differ slightly.

### For Help, Call 1-800-788-4417.



Press **Menu** on your remote, and then select Parental, Fav's & Setup.



Select System Setup.



In your receiver Menu, you will need to identify the Satellite Menu. The Satellite Menu will have an option for Satellite Setup.



You may be required to press the DASH (-) before proceeding (underneath #7 on the remote).



Set Dish Type for 04: Slimline-5. Set the Switch Type for 02: Multiswitch.

Press Continue.



Your installation will be verified.



Errors may be displayed on the Installation Status screen. This is normal to see one or two boxes with an X instead of a ./.

Select Continue.

Disclaimer: Receiver setup instructions are accurate at time of printing and may change without notice. Call Winegard tech line for assistance: 1-800-788-4417



Select Continue.

**Continue with** step 9 on the next page.

# Receiver Setup, Continued



The program guide will download.

When the status bar reaches 100%, press Continue.



The receiver will run Data Feed and Guide Feed Tests for a few moments.



You will be prompted to set up the remote. Select **Setup Remote Later** to do this at a later time.



Select Watch DIRECTV.

You are now ready to watch TV!

# **Ready to Travel?**

The TRAV'LER antenna is not meant for use while traveling.

To stow the unit when you are ready to travel, press [POWER] one time. The unit will stop what it is doing and return to the stowed position.

The TRAV'LER interface will not turn off unless the TRAV'LER mount is successfully stowed. Visually inspect that the antenna is in the stowed/travel position before traveling.



Do not move the vehicle until the TRAV'LER antenna is stowed.

#### **Stowed/Travel Position**



# **Emergency Manual Stow**



Emergency manual stow is meant as a last resort and is not meant for common usage!

Unplug the TRAV'LER interface. Then, remove the black plastic bolt from the back of the mount. Insert a 3/8th socket extension into this auxiliary drive. Turn the auxiliary drive clockwise to lower the unit. Do not use a drill!

# **Emergency Power Off**

The Winegard TRAV'LER antenna comes with an Emergency Power Off feature. To activate it, press and hold [POWER] and then press [SELECT] while still holding [POWER]. The TRAV'LER antenna will stop and turn off.

If the Emergency Power Off feature is used, the TRAV'LER antenna may not be in a safe position for travel.



Do not move the vehicle until you are able to stow the unit. See Ready to Travel? above.

#### Other Notes

Weather and vehicle location can impact the ability of the TRAV'LER antenna to locate all of the required satellites. Obstructions such as buildings or tree limbs can block the satellite signals and prevent the TRAV'LER antenna from successfully locating all of the satellites for Multi-Sat Mode. Make sure you have a clear view of the southern sky.

# Receivers Compatible with SWM Technology

Winegard mobile satellite TV antennas operate with Multi-switch technology and require separate accessories to operate with DIRECTV Single Wire Multi-switch (SWM) only technology receivers.

For an up-to-date list of DIRECTV DVR and non-DVR receiver models that are only compatible with SWM technology, visit **www.winegard.com/directv**. This website also lists Winegard mobile satellite TV antennas that are compatible with DIRECTV.

If unsure of your receiver model, check the back of the receiver or the inside front door of the smart card slot.



If you have a SWM only technology receiver, Winegard Model SWM-840 SWM kit is available. This SWM kit will allow for proper SWM technology operation with Winegard mobile satellite TV antennas.

www.winegard.com

Technical Services, call 1-800-788-4417.

For Receivers, call 1-866-609-9374.

For up-to-date information on receiver compatibility and programming, visit www.winegard.com/receivers.

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Operation Operation

# **Troubleshooting**

ANTENNA CONNECTION FAILED	Check the data cable connection on the back of the TRAV'LER interface box. It may not be connected properly.
EL HOME FAILURE	Something is preventing the TRAV'LER mount from raising as it attempted to find the HOME position. Look for obstructions if unit has recently been manually raised or if the electronics have been replaced. The calibration may need to be reset. Contact Winegard Technical Support 1-800-788-4417.
AZ MOTOR STALLED	Something is preventing the TRAV'LER mount from rotating; look for obstructions. If there is no obvious obstruction, contact Winegard Technical Support at 1-800-788-4417.
EL MOTOR STALLED	Something is preventing the TRAV'LER mount from raising or lowering; look for obstructions. If there is no obvious obstruction, contact Winegard Technical Support at 1-800-788-4417.
SK MOTOR STALLED	Something is preventing the TRAV'LER reflector and LNBF from rotating; look for obstructions. If there is no obvious obstruction, contact Winegard Technical Support at 1-800-788-4417.
STOW FAILURE ANT NOT STOWED	The TRAV'LER antenna is not stowed. Do not try to move the vehicle. Try to stow the TRAV'LER antenna again. If it fails again, check for obstructions.
STOW FAILURE STOW UNKNOWN	Check the data cable connection on the back of the TRAV'LER interface. It may not be connected properly.
AZ MOTOR RUN REVERSE	Contact Winegard Technical Support at 1-800-788-4417.
EL MOTOR RUN REVERSE	Contact Winegard Technical Support at 1-800-788-4417.
SK MOTOR RUN REVERSE	Contact Winegard Technical Support at 1-800-788-4417.
AZ MOTOR RUNAWAY	Contact Winegard Technical Support at 1-800-788-4417.
EL MOTOR RUNAWAY	Contact Winegard Technical Support at 1-800-788-4417.
SK MOTOR RUNAWAY	Contact Winegard Technical Support at 1-800-788-4417.
NO LNB VOLTAGE	The TRAV'LER antenna is not seeing the required 12–18 VDC needed to power the LNBF. Check the coax connections. If these are all connected properly, contact Winegard Technical Support at 1-800-788-4417.
UNKNOWN ERROR #####	Contact Winegard Technical Support at 1-800-788-4417.
C MOTOR NOT FOUND	Contact Winegard Technical Support at 1-800-788-4417.
NOT RECEIVING 99 and 103	Make sure the B-Band Converter is installed.
ANTENNA WILL NOT AUTOMATICALLY STOW.	See emergency manual stow instructions on page 4 of the operation manual.

Weather and vehicle location can impact the ability of the TRAV'LER antenna to locate all of the required satellites. Obstructions such as buildings or tree limbs can block the satellite signals and prevent the TRAV'LER antenna from successfully locating all of the satellites for Multi-Sat Mode. Make sure you have a clear view of the southern sky.