

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN						
DATE ISSUED	MODEL YEAR(S) AFFECTED	MODEL(S) AFFECTED	TSB #			
6/3/88	ALL	ALL	9			
BRAND		TYPE				
All <input checked="" type="checkbox"/>	American Star <input type="checkbox"/>	Kountry Star <input type="checkbox"/>	Dutch Star <input type="checkbox"/>	All <input type="checkbox"/>	T T <input type="checkbox"/>	F W <input type="checkbox"/>
NewAire <input type="checkbox"/>	Mountain Aire <input type="checkbox"/>	Kountry Aire <input type="checkbox"/>	London Aire <input type="checkbox"/>	C A <input checked="" type="checkbox"/>	D P <input checked="" type="checkbox"/>	D B <input type="checkbox"/>
<input checked="" type="checkbox"/> Air Conditioning & Heating				<input type="checkbox"/> Electrical Components		
<input type="checkbox"/> Appliances & Accessories				<input type="checkbox"/> Exterior Components		
<input type="checkbox"/> Cabinets & Furniture				<input type="checkbox"/> Interior Components		
<input type="checkbox"/> Chassis Components				<input type="checkbox"/> Plumbing & Bath Components		
<input type="checkbox"/> Construction Components				<input type="checkbox"/> Windows, Awnings, Vents, & Doors		
DESCRIPTION OF PROBLEM						
Remote gauge and auto stop fill valve service bulletins.						
RECOMMENDED SOLUTION						
See the attached Manchester Tank and Equipment service bulletins.						

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

NEWMAR CORPORATION WARRANTY DEPARTMENT

NEWS! NEWS! NEWS!
**For Immediate
Release!**



Manchester Tank & Equipment
(213) 979-4188
May 5, 1988

IMPORTANT SERVICE BULLETINS

1) REMOTE GAUGE, 90 OHM SENDER

At Manchester's request, Rochester Gauges has developed two (2) technical service bulletins including troubleshooting tips to assist you in diagnosing and resolving service problems with remote gauge installations.

Bulletin DS-682 is for ASME tank motor home installations.

Bulletin DS-683 is used on some models of DOT vertical cylinders utilizing remote gauge monitor panel installations.

Enclosed are two separate bulletins covering the installations and operations of these two gauges.

2) AUTOSTOP 80% STOP FILL VALVE

AutoStop 80% stop fill valves are important safety instruments which prevent overfilling. Overfilling is dangerous as propane discharged to atmosphere can result in serious fires, accidents, and possible loss of limb or life. Enclosed is a service bulletin which outlines proper filling procedures and troubleshooting information. We have also included a parts list to enable you to easily identify and order parts for AutoStop.

A complete inventory of replacement parts is maintained in Lynwood. Place orders with Customer Service Department.

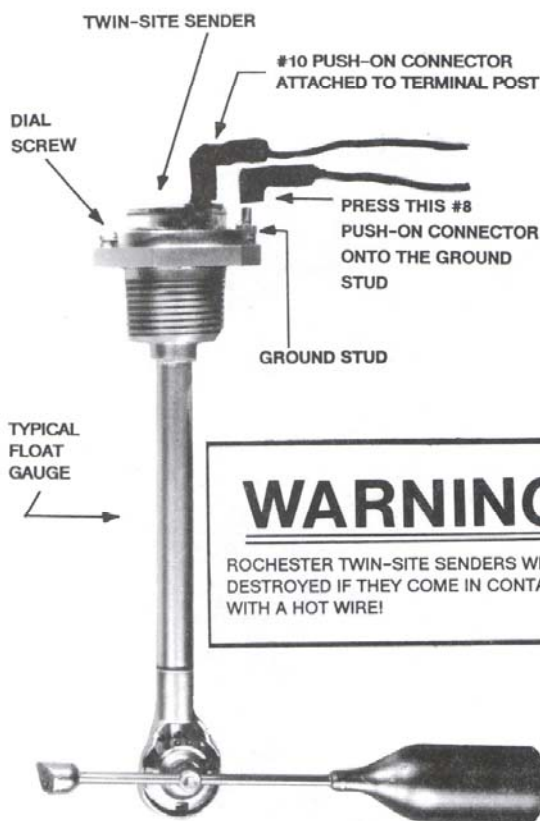
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2880 Norton Ave., Lynwood, CA 90262 (213) 979-4188
2738 Lithonia Industrial Blvd., Lithonia, GA 30058 (404) 482-8728
P.O. Box 1338, Lubbock, TX 79408 (806) 765-9474
29389 Lexington Park Dr., Elkhart, IN 46514 (219) 295-8200
P.O. Box 511, Tillsonburg, Ont., N4G4J1, Canada (519) 842-9081

Telex 674202
Telex 542508
Telex 744452
Telex 258499
Telex 0647184

NEWMAR CORPORATION WARRANTY DEPARTMENT

INSTRUCTIONS FOR CONNECTING A 0-90 OHM TWINSITE SENDER ON A VERTICAL DOT TANK TO A MATCHING PANEL RECEIVER IN YOUR RECREATIONAL VEHICLE



HELPFUL HINTS

The most common causes of malfunction are defective wiring and loose grounds. Always check these areas first.

Next, be certain current is being supplied from the battery to the positive terminal on the panel receiver.

If the panel receiver reading is inconsistent with the reading on the Twin-Site sender, use an ohmmeter to verify that the receiver resistance is 0-90 ohms.

FOLLOW THIS INSTALLATION PROCEDURE:

- 1) Disconnect battery cable.
- 2) Using the #10 push-on connector supplied, and a well-insulated #16 wire, connect the terminal post on the Twin-Site sender to the sender terminal on the panel receiver.
- 3) Install the double-ended ground stud in one of the dial screw holes. Then attach the #8 push-on connector to it. Run the #16 wire attached to the connector to the vehicle frame and ground it securely.
- 4) Using additional #16 wire, make the ground connection from the negative terminal of the panel receiver to the battery or frame.
- 5) Using additional #16 wire, connect the battery to the positive terminal on the panel receiver.
- 6) Reconnect the battery cable

TROUBLE SHOOTING

PANEL Receiver Shows	Look for this trouble
NO INDICATION	1. Empty fuel tank 2. No current from battery because of broken or disconnected wire. 3. Grounded wire between sender and receiver 4. Receiver not grounded 5. Sender defective 6. Panel receiver defective
ERRATIC READING	1. Loose connection 2. Defective sender
"FULL" SCALE READING AT ALL TIMES	1. Wire from sender broken 2. Sender not properly grounded, tank not grounded 3. Defective sender
INDICATES INACCURATELY	1. Defective sender or tank gauge 2. Receiver incompatible with sender, or vice versa

FOR TECHNICAL ASSISTANCE

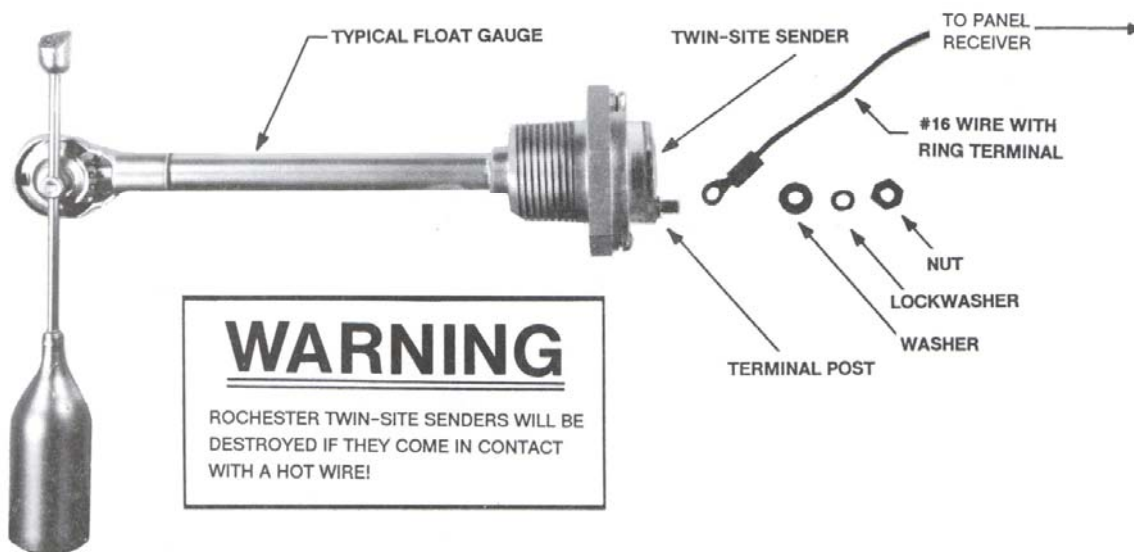
CALL  **ROCHESTER GAUGES, INC.**
The measure of excellence

(214)241-2161

DS-683 (2/88)

NEWMAR CORPORATION WARRANTY DEPARTMENT

INSTRUCTIONS FOR CONNECTING A 0-90 OHM #5109S00801 TWINSITE SENDER ON A HORIZONTAL ASME TANK TO A MATCHING PANEL RECEIVER IN YOUR RECREATIONAL VEHICLE



YOU MUST FOLLOW THIS PROCEDURE:

- 1) Disconnect the battery cable.
- 2) Using a well-insulated #16 wire, connect the terminal post on the Twin-Site sender to the sender terminal on the panel receiver, securing both ends with the nuts and lockwashers provided.
- 3) Using the same type wire, establish a ground connection from the negative terminal on the panel receiver to the frame.
- 4) Using the same type wire, connect the battery to the positive terminal on the panel receiver.
- 5) Finally, reconnect the battery cable.

HELPFUL HINTS

The most common causes of malfunction are defective wiring and loose grounds. Always check these areas first.

Next, be certain current is being supplied from the battery to the positive terminal on the panel receiver.

If the panel receiver reading is inconsistent with the reading on the Twin-Site sender, use an ohmmeter to verify that the receiver resistance is 0-90 ohms.

TROUBLE SHOOTING

PANEL Receiver Shows	Look for this trouble
NO INDICATION	1. Empty fuel tank 2. No current from battery because of broken or disconnected wire. 3. Grounded wire between sender and receiver 4. Receiver not grounded 5. Sender defective 6. Panel receiver defective
ERRATIC READING	1. Loose connection 2. Defective sender
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FOR TECHNICAL ASSISTANCE

CALL  **ROCHESTER GAUGES, INC.**

The measure of excellence

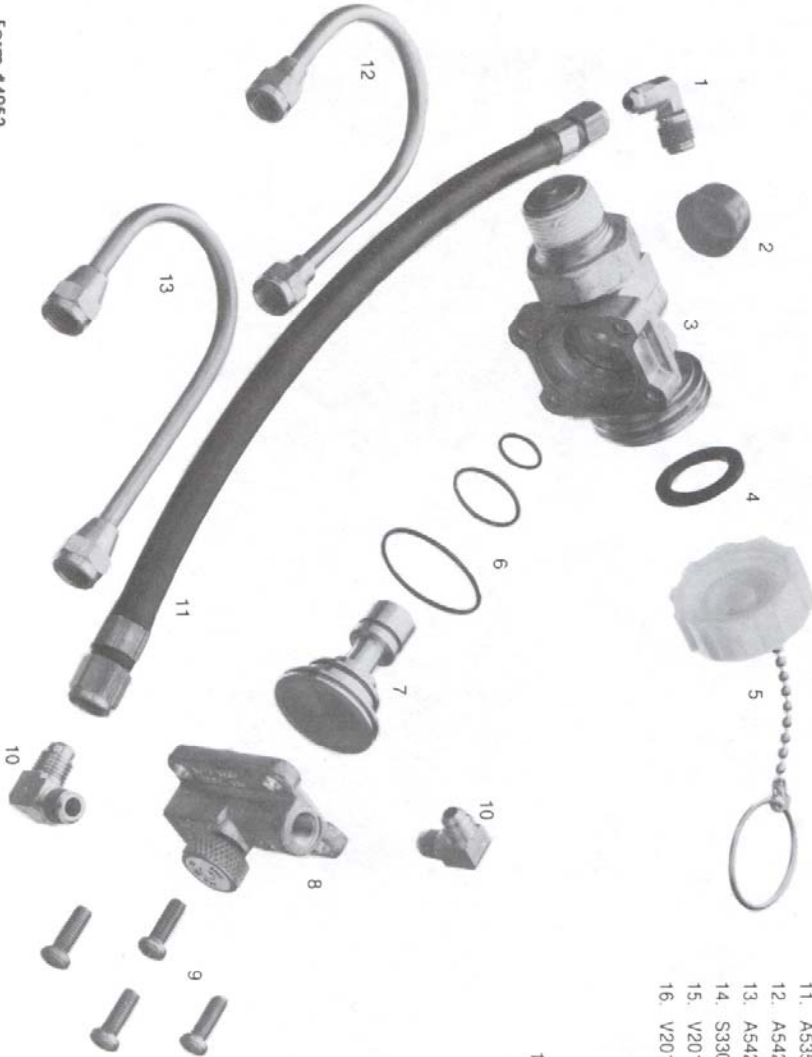
(214)241-2161

DS-682 (2/88)

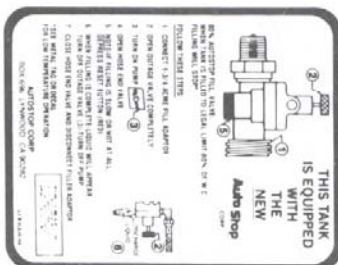
NEWMAR CORPORATION WARRANTY DEPARTMENT

BRASS
Auto Stop
Corporation

80% Stopfill - Parts List



I.D. #	Order Number	Description	List Price
1.	A11660	Tank elbow (1/4" NPT x 1/4" SAE)	\$1.25
2.	V20121	Red cap	.15
3.	V20117	Brass body assembly with back check	15.51
4.	V11580	Fill valve gasket	.37
5.	V20118	1 1/4" ACME cap and chain assembly	3.67
6.	V20128	Piston "O" ring kit with lube	2.54
7.	V20126	Brass piston with "O" rings with lube	5.62
8.	V20127	Brass cover assembly with screws	6.62
9.	V20119	Kit of four (4) cover screws	.40
10.	A53846	Valve elbow (1/4" NPT x 1/4" SAE)	1.00
11.	A53563	Hose assembly (rubber)	4.86
12.	A54217	12" bent copper tube assembly	3.38
13.	A54218	14" bent copper tube assembly	3.38
14.	S33083	Auto Stop tank decal	N/C
15.	V20120	Vent cover "O" ring (not shown)	.32
16.	V20122	Auto Stop Lube - 2 grams (not shown)	2.08



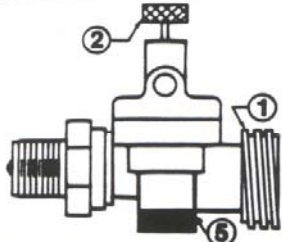
Distributed by:

NEWMAR CORPORATION WARRANTY DEPARTMENT



TECHNICAL SERVICE BULLETIN FOR MODEL 530 BRASS AUTO STOP VALVE

Your LP-gas (propane) tank is equipped with an 80% automatic stop-fill valve as required since 1982 by NFPA Pamphlet #58 and ANSI A119.2 to prevent overfilling your tank. Overfilling is dangerous as propane discharged to atmosphere can result in serious fires, accidents and possible loss of limb or life. Instructions for proper use of this device is found on the tank and is duplicated below:



**THIS TANK
IS EQUIPPED
WITH
THE
NEW**

**Auto Stop
CORP.**

**80% AUTOSTOP FILL VALVE-
WHEN TANK IS FILLED TO LEGAL LIMIT-80% OF W.C.
FILLING WILL STOP***

FOLLOW THESE STEPS:


1. CONNECT 1-3/4 ACME FILL ADAPTOR
2. OPEN OUTAGE VALVE COMPLETELY
3. TURN ON PUMP
4. OPEN HOSE END VALVE
5. NOTE-IF FILLING IS SLOW OR NOT AT ALL,
DEPRESS RESET BUTTON (RED)
6. WHEN FILLING IS COMPLETE-LIQUID WILL APPEAR.
TURN OFF OUTAGE VALVE (3)-TURN OFF PUMP
7. CLOSE HOSE END VALVE AND DISCONNECT FILLER ADAPTOR

***SEE METAL TAG OR DECAL
FOR LOW TEMPERATURE OPERATION**

**AUTOSTOP CORP.
BOX 696, LYNWOOD, CA 90282**

5-33083-6-87

OPEN OUTAGE VALVE TO START
FILL. FILL AT TANK FILLING STOP (FILLING
OR NOT FILLING). FILLING STOP
VALVE MUST BE CLOSED. WHEN LIQUID
APPEARS TO STOP FILL. FILL.



Troubleshooting

Problem	Possible Cause
1. Valve will not accept propane	*Outage valve not fully opened. *Piston not up. Push red cap. *.089 hole in cap assembly obstructed. *Wrong size exit elbow. *Exit elbow obstructed. *If exit hose used - too long. *Inlet to cap not reduced to #54 orifice. *Release air pressure if new tank. *Purge tank of air by cracking open service valve-water cool on a hot day.
2. Valve will not shut off when liquid appears	*Copper (rubber) tubing to cap is crimped or restricted. *#54 orifice is clogged. *Internal pressure in tank low due to extremely cold temperature.
3. Liquid or vapor discharges through side hole during filling	*Contamination or lubrication build-up in piston. Cycle by opening and closing outage 10 times with fill nozzle connected.
4. Liquid or vapor discharges through side hole when not filling or connected to pump.	*Contamination or lubrication build-up in piston. Open outage all the way, push red cap, release and repeat 10 times. Close outage valve. *Diaphragm (if present) is cut or has hole. Replace.

WARNING

NO OPEN FLAMES SHALL BE PRESENT
DURING FILLING - GAS APPLIANCE
PILOTS MUST BE OFF.

AUTO STOP DISTRIBUTED BY:



FOR TECHNICAL ASSISTANCE
Call: 800-451-9370 Within California
800-543-4188 Outside California

ASK FOR THE AUTO STOP SERVICE DESK

FO 26

CAT.# 4951
2/88

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.