

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN							
DATE ISSUED	MODEL YEAR(S) AFFECTED	MODEL(S) AFFECTED	TSB #				
1/5/96	1996	ALL	128				
BRAND		TYPE					
All <input type="checkbox"/>	American Star <input type="checkbox"/>	Kountry Star <input checked="" type="checkbox"/>	Dutch Star <input checked="" type="checkbox"/>	All <input type="checkbox"/>	T T <input type="checkbox"/>	F W <input type="checkbox"/>	
NewAire <input type="checkbox"/>	Mountain Aire <input checked="" type="checkbox"/>	Kountry Aire <input checked="" type="checkbox"/>	London Aire <input type="checkbox"/>	C A <input checked="" type="checkbox"/>	D P <input type="checkbox"/>	D B <input type="checkbox"/>	
<input 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							
Pressure gauge for Granning tag axle installed at wrong location in the early run of 1996 models.							
RECOMMENDED SOLUTION							
Change the pressure gauge hook-up to location on print attached. Please contact your Newmar service representative or Granning at 800.255.7824 if you have any questions. This repair will take 2 hours to make the switch.							

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

NEWMAR CORPORATION

WARRANTY DEPARTMENT

NOTES: (W2)

- Wiring to be a min. of AWG. No. 10 stranded.
- Tubing to be 1/4" D.O.T. plastic tubing. Tubing ends must be cut straight and inserted full depth in the fittings, otherwise air leaks could result. Check for air leaks.
- All air line fittings to be applied with Permatex sealant or equivalent.
- Toggle switches to be installed, set down, in the "OFF" position. (If optional control panel 4553 installed).
- Electrical connections for the air compressor on emergency vehicles should be made "direct" to the power supply. This releases the compressor to keep the air system fully charged.
- Air flow through the check valve (item 8) is away from the compressor, in the direction of the arrow. Caution: the torque valve for the check valve to the cylinder head connection must be within the range of 8 to 12 ft-lbs. to avoid securing the cylinder head.
- Air compressor must be mounted in an area that is free from the elements (rain, snow, etc. . .)

8) Heated moisture ejector valve must be oriented at the bottom of the air tank.

9) Electrical connections must be made to the same side of the pressure limit switch.

10) Attach caution label to vehicle body where manual drain cable is attached.

11) Customer to provide bracket for drain cable. 80" of manual drain cable positioned to pull 90° to the drain valve.

12) Air tank assemblies must be 100% leak tested during assembly.

13) (Ref.) Regulator output pressure set to 52-56 psi.

14) See chart for height control rpm kit. Installation procedures are included with kit.

SUSPENSION KIT KIT LINKAGE KIT	
RT500P55	5768 5765
RT500P	5769 5766
RT500W	5770 5767

Bill of Material

Item	Qty	Part #	Description
1	1	0141	Plug 1/4 MPT
2	2	0416	Connector 1/4 T x 1/8 MPT
3	1	0418	Tee 1/4 T x 1/4 T x 1/8 MPT
4	1	0422	Nipple 1/8 MPT x 1/4 MPT
5	1	0424	Nipple 1/4 MPT x 1/4 MPT
6	3	0428	Connector 1/4 T x 1/4 MPT
7	1	0599	Connector 1/4 FPT x 1/4 T
8	1	4017	Check Valve
9	1	4398	Pressure Switch
10	2	5094	Grammet
11	1	5099	Air Tank
12	1	5103	Kneeler Valve
13	1	5188	Compressor
14	2	5371	Terminal Connector
15	7	5372	5/16 Loom
16	4	5392	Vibration Isolator
17	1	5442	Heater Splitter Valve
18	1	6115	Connector 3/16 HB x 1/8 MPT
19	1	6120	3/16 Tubing
20	1	6595	Mounting Plate
21	1	6700	Label, Drain Air Tank
22	1	5116	Pressure Regulator
23	4	8120214	SLW 5/16
24	4	8120393	FW 5/16
25	4	8181429	HHB 1/2-20 x 1 1/4 Gr. 8
26	4	89415543	FW 1/2
27	4	89422302	LN 1/2-20 Gr. C
28	4	89429048	N 5/16-18 Gr. B
-	1	09530	Installation Drawing

▲ Component part of 5098 Compressor Assembly
 * Component part of 5228 Air Tank Assembly
 O Component part of 5100 Kneeler Valve Assembly

Revisions:

Rev	Date	Description
W3	10/19/95	Reformatted
W2	10/19/95	Revised Notes
W1	10/19/95	Added View

Item Date Was Changed to

Showing all Revisions. The date appearing opposite the description indicates the date of revision. It is to be interpreted as used by manufacturer's supply agent, unless noted otherwise. Item description is for reference only.

Tolerances:

Feature	Max	Min	Dev
Form	1/4	1/4	1/4
Fit	1/4	1/4	1/4
Finish	1/4	1/4	1/4
Material	1/4	1/4	1/4

GRANNING AIR SUSPENSIONS
 Division of Fluidrive, Inc.
 17923
 P.O. Box 600
 Brownsville, TX

AIR INSTALLATION-AUTO HEIGHT

Notes: 1=12 material 11/A
 Size 1/2-20-92
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WARRANTY DEPARTMENT

NOTES:

- Wiring to be a min. of AWG No. 10 stranded.
- Tubing to be 1/4" B.B.T. plastic tubing. Tubing ends must be cut straight and inserted full depth in the fittings, otherwise air leaks could result. Check for air leaks.
- All air line fittings to be applied with Permatex sealant or equivalent.
- Toggle switches to be installed, slot down in the "OFF" position. (If optional control panel is installed).
- Electrical connections for the air compressor on emergency vehicles should be made "direct" to the power supply. This allows the compressor to keep the air system fully charged.
- Air flow through the check valve (item 9) is easy from the compressor, in the direction of the arrow. Caution: the torque issue for the check valve to the cylinder head connection must be within the range of 8 to 12 ft-lbs. to avoid fracturing the cylinder head.
- Air compressor must be mounted in an area that is free from the elements (rain, snow, etc.).
- Heated moisture ejector valve must be oriented at the bottom of the air tank.
- Electrical connections must be made to the rear side of the pressure limit switch.
- Attach caution label to vehicle body where manual drain cable is attached.
- Customer to provide bracket for drain cable. 60" of manual drain cable positioned to pull 90° to the drain valve.
- Air tank assemblies must be 100% leak tested during assembly.
- (Ref.) Regulator output pressure set to 52-55 psi.
- See chart for height control valve kit. Installation procedures are included with kit.

Bill of Material

Item	Qty	Part #	Description
1	1	0129	Elbow 90 1/4"-1/4MPT
2	2	0197	Union Tee 1/4"-1/4"-1/4"
3	4	0416	Conn. 1/4"-1/3MPT
4	1	0424	Nipple 1/4 PT Hex
5	6	0428	Conn. 1/4"-1/4MPT
6	2	0435	Nipple 1/8 Hex
7	1	0599	Female Conn. 1/4FPT-1/4"
8	4	100	HN 1/2-20 Gr.8 ZP
9	1	4017	Check Valve
10	1	4396	Pressure Switch
11	2	5094	Crammel
12	1	5099	Air Tank 500 CUIN
13	2	5103	12 VDC Kneeer
14	2	5116	Pressure Regulator
15	1	5188	Compressor
16	2	5371	Terminal
17	7	5372	Loom 5/16
18	4	5392	Vibration Isolator
19	1	5442	Auto Drain Valve
20	2	6115	Wale Conn. 3/16HB-1/8MPT
21	2	6120	CV Tubing 3" long
22	1	6595	Compressor Mounting Plate
23	1	6700	Label (Drain Air Tank)
24	4	8103323	SLW 1/2 .523x.873x.135 PL
25	4	8120214	SLW 5/16 .328x.566x.88 ZP
26	4	8120393	FW 5/16 .344x.686x.065 ZP
29	4	8455028	HHB 1/2-20 x 1 1/2 Gr.8 ZN
30	4	89429048	N 5/16-18 Gr.8 ZN
-	1	D9602	Installation Drawing

* Component parts of #5455 Tank Assy.
 † Component parts of #5098 Compressor Assy.
 □ Component parts of #5698 Reg/Exh Valve Assy.

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