



CHANCE RIDES, INC.
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Bulletin No:	B414R1225-0
Release Date:	October 25, 1999
Effective Date:	October 25, 1999
Supersedes:	N/A
Completion Date:	November 25, 1999
Page:	1 of 6

SERVICE BULLETIN

Ride Manufacturer: CHANCE RIDES, INC. Affected Production Dates: All

Ride Name:	INVERTER (Portable Model)	Affected Serial Nos.:	Prior to 414-02399
	INVERTER (Park Model)		Prior to 414-008P99
	DOUBLE INVERTER		Prior to 414-008P99

Model No.: 414

Abstract of Issue:
Vehicle Air System Rework

Reason For Release:

The passenger restraint bar interlock system on the INVERTER has many components which must be adjusted properly and kept in good operating condition for reliability and safety of the ride. Among these components are the primary restraint bar limit switches, secondary restraint bar limit switches and the step interlock valve.

Chance Rides, Inc. has developed a new feature which allows the operator to check the step interlock valve and the adjustment of all primary and secondary restraint bar limit switches with a single procedure.

Action to be Taken:

All owner/operators of the above noted INVERTER amusement rides are required to install the Air System Rework Kit, part number K414R1225-0, using the instructions on the following pages of this bulletin. The kit includes all parts necessary to rework one vehicle. For DOUBLE INVERTER rides, order two kits.

The parts will be provided at no charge if ordered within 30 days of the release date of this bulletin.

The daily "Passenger Restraint Bar Interlock System Check" procedure affected by this change is also included in this bulletin.

All work must be performed by qualified personnel, capable of understanding the function of the parts and their proper installation.



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INVERTER (Park Model) Prior to 414-008P99
DOUBLE INVERTER Prior to 414-008P99

Model No.: 414

Action to be Taken (continued):

Kit number K414R1225-0 contains the following:

<u>Part Number</u>	<u>Component</u>	<u>Quantity</u>
28445200	MANUAL OVERRIDE VALVE	1
60249200	BUSHING - 1/4MP x 1/8FP	1
60261800	TEE - 1/8FP x 1/8FP x 1/8MP	1
22711400	TEE - 1/8MP x 1/4T x 1/4T	1
60165801	ELBOW (90°) - 1/4MP x 1/4T	1
48015000	AIR LINE 1/4" diameter x 12" Long	1
414-0155-007	ACTUATOR BLOCK	1
60700200	ADJUSTING BOLT (1/4-20 x 3/4" long)	1
64759600	JAM NUT (1/4-20)	4
60252400	NIPPLE - 1/8MP Close	1
60145401	ADAPTER - 1/8MP x 1/4T	1

NOTICE

Use only those components authorized, specified or provided by Chance Rides, Inc.

Chance Rides, Inc. SPECIFICALLY DISCLAIMS ANY LIABILITY for losses associated with any unauthorized alterations and/or modifications or additions and installations of unauthorized components.



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DOUBLE INVERTER Prior to 414-008P99

Model No.: 414

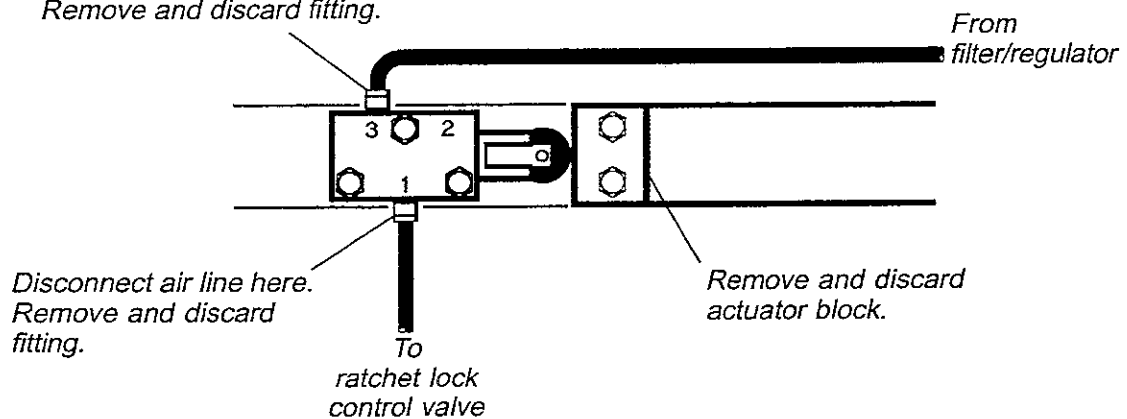
Detail of Issue:

Installation Instructions - Vehicle Air System Rework

1. Turn off the power to the vehicle and drain the air system of all pressure.
2. Locate the step interlock valve, visible on the tower side of the vehicle through an access opening.
3. Disconnect the two air lines coming from the step interlock valve. To remove the air line, push the locking collar in toward the fitting, and pull straight out on the line.

Disconnect air line here.

Remove and discard fitting.



IMPORTANT: Do not disconnect both ends of these two lines; only disconnect them at the step interlock valve. Pay attention to where the lines are connected and how they are routed before disconnecting.

4. Remove the two fittings from the valve and discard them.
5. Remove the actuator block from the step lock slide bar. Set the fasteners aside for later use. Discard the old actuator block.



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Ride Manufacturer: CHANCE RIDES, INC.

Affected Production Dates: All

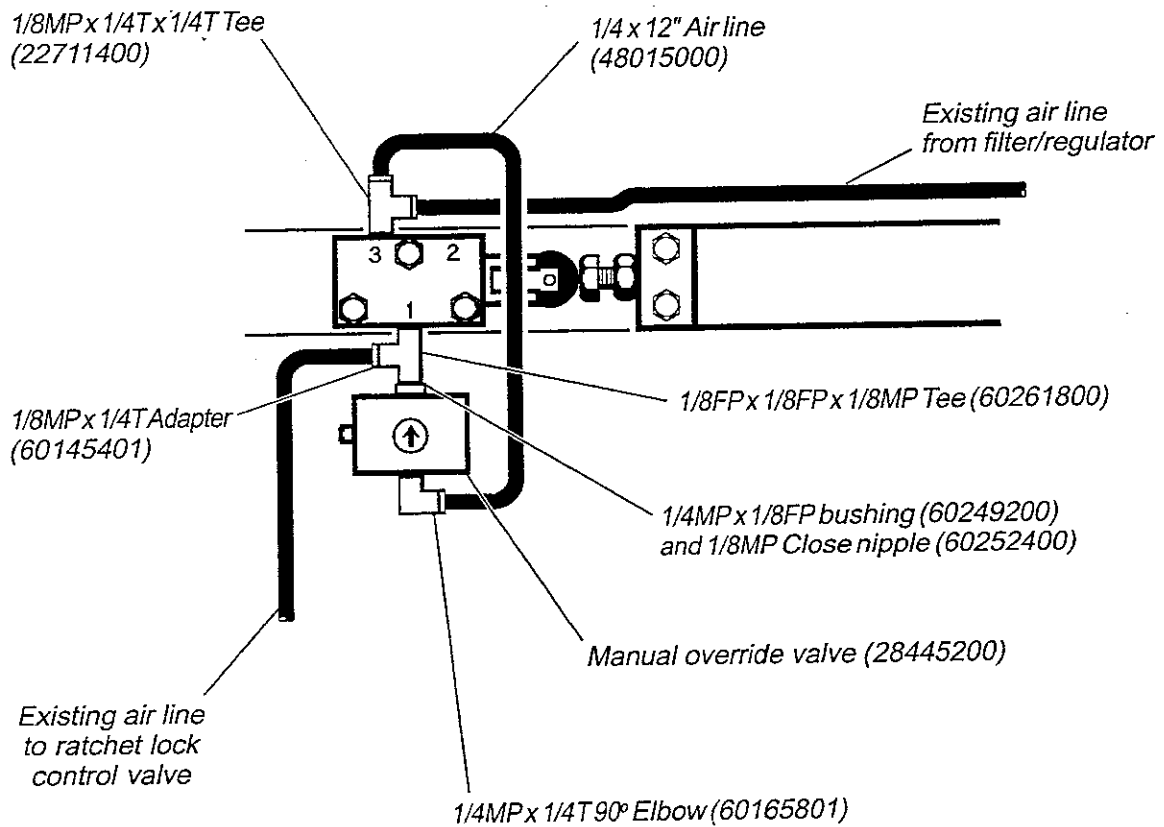
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INVERTER (Park Model)
DOUBLE INVERTER

Affected Serial Nos.:
Prior to 414-02399
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Detail of Issue (continued):

8. Install the air lines and fittings as shown below.





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Detail of Issue (continued):

Daily Passenger Restraint Bar Interlock System Check

Use the following procedure to check the adjustment of the step interlock valve and the primary and secondary restraint bar limit switches. This is a daily check.

1. Close primary restraint bars (shoulder bars) and secondary restraint bars (T-bars).
2. Raise the step and engage the manual step latch.
3. Turn off electrical power to the vehicle.
4. On the vehicle control panel, turn the SECONDARY RESTRAINT BAR (T-BAR) SWITCH to "Open."
5. On the vehicle control panel, turn the PRIMARY RESTRAINT BAR (SHOULDER BAR) SWITCH to "Open."
6. Turn on electrical power to the vehicle. The secondary restraint bars (T-bars) MUST NOT RELEASE. If they do, it indicates the step interlock valve requires adjustment as described previously.
7. Push the button on the manual override valve for the step interlock.

NOTE: At this point the secondary restraint bars (T-bars) should raise until they stop against the step interlock (also referred to as the "Tertiary lock" position). The primary restraint bars should raise until they stop against the T-bars.

8. Check the restraint bar indicator display. It must read:

	ROW	SEAT		R.	S.
TBR	0	0	SBR	0	0

Any other reading indicates that one or more T-bar or shoulder bar limit switch requires adjustment.

9. Adjust the limit switches as required using the procedures described in the INVERTER Service Manual.

DO NOT OPERATE THE RIDE UNTIL THE STEP INTERLOCK VALVE AND ALL T-BAR AND SHOULDER BAR LIMIT SWITCHES ARE ADJUSTED CORRECTLY.