



CHANCE RIDES, INC.
4219 Irving
Wichita, KS 67277-2328
U.S.A.
Phone: 1-800-242-6231 • FAX: 1-316-942-7416
Website: www.rides.com
E-mail: rides@rides.com

Bulletin No:	B414R1220-0
Release Date:	July 30, 1999
Effective Date:	July 30, 1999
Supersedes:	N/A
Completion Date:	August 30, 1999
Page:	1 of 4

SERVICE BULLETIN

Ride Manufacturer:	CHANCE RIDES, INC.	Affected Production Dates:	All
Ride Name:	INVERTER (Portable Model) INVERTER (Park Model) DOUBLE INVERTER	Affected Serial Nos.:	All units
Model No.:	414		

Abstract of Issue:
Vehicle Software Changes

Reason For Release:
Chance Rides, Inc. has become aware of necessary changes to the INVERTER vehicle software. The software has been amended. The new software, version 4, features these changes from the previous version:

- If a power failure occurs during a ride cycle, the jog feature can be used to move the vehicle to the loading/unloading station after power is restored. This eliminates the need to fully open all passenger restraints before allowing the READY LIGHT to turn on after turning the power back on.
- If the RESTRAINT ENABLE signal is lost while the vehicle is in the loading/unloading station, the T-bars will no longer lower automatically unless the shoulder bars are closed. If the shoulder bars are open, they will no longer lower automatically. (NOTE: The loss of the RESTRAINT ENABLE SIGNAL is often the result of a failed or out-of-adjustment arm home proximity switch, located at the top of the tower.)
- If a restraint failure occurs just prior to raising the step, the restraint bar indicator display will indicate which restraint bar is not down and locked, identifying it by row number and seat number, and allowing the fault to be acknowledged as described in the INVERTER Operation Manual.
- If a step fault occurs during the ride cycle, the ride cycle will be interrupted and the ride will come to a normal programmed stop, even if the cause of the fault clears itself during the ride cycle. The CAR READY signal is disabled until it is cleared by opening the step and moving the T-bar switch to "Open". (NOTE: The step fault is often the result of an out-of-adjustment step proximity switch, or a loose or damaged step.)



CHANCE RIDES, INC.
4219 Irving
Wichita, KS 67277-2328
U.S.A.
Phone: 1-800-242-6231 • FAX: 1-316-942-7416
Website: www.rides.com
E-mail: rides@rides.com

Bulletin No:	B414R1220-0
Release Date:	July 30, 1999
Effective Date:	July 30, 1999
Supersedes:	N/A
Completion Date:	August 30, 1999
Page:	2 of 4

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

Ride Name: INVERTER (Portable Model) Affected Serial Nos.: All Units
 INVERTER (Park Model)
 DOUBLE INVERTER

Model No.: 414

Action to be taken

Chance Rides, Inc. has developed an EEPROM programmed with the new software. All owner/operators of the above noted INVERTER amusement rides are required to replace any previous version (labeled INVCAR3) with the new EEPROM (labeled INVCAR4). Order the new EEPROM (part number 32516314) and install it using the instructions in this bulletin. For DOUBLE INVERTER rides, order two EEPROM's.

The cost of the new EEPROM will be credited to your account if the old EEPROM is returned within 30 days of the release date of this bulletin.

New operating procedures affected by the software change are 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.

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.



CHANCE RIDES, INC.
4219 Irving
Wichita, KS 67277-2328
U.S.A.
Phone: 1-800-242-6231 • FAX: 1-316-942-7416
Website: www.rides.com
E-mail: rides@rides.com

Bulletin No:	B414R1220-0
Release Date:	July 30, 1999
Effective Date:	July 30, 1999
Supersedes:	N/A
Completion Date:	August 30, 1999
Page:	3 of 4

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

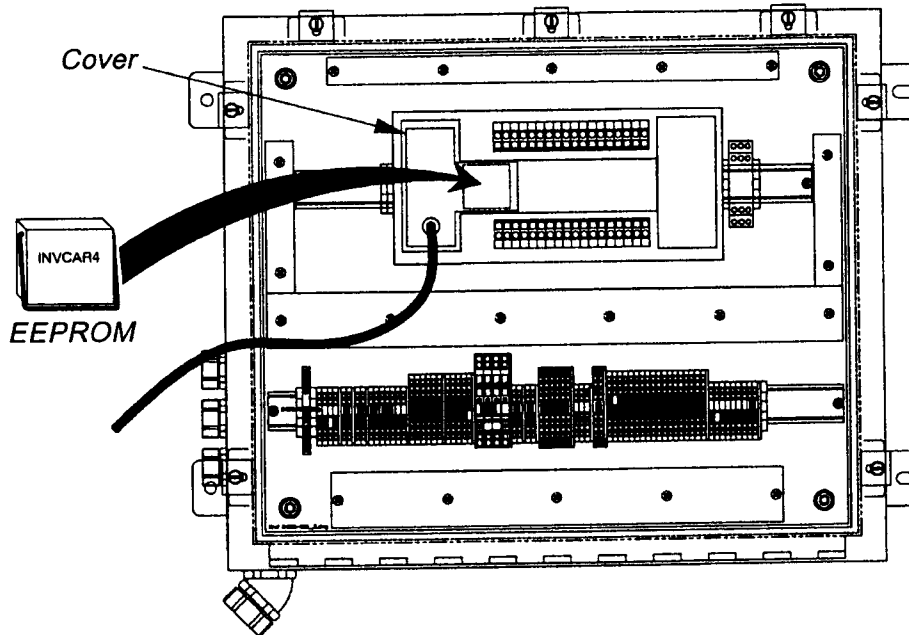
Ride Name: INVERTER (Portable Model) Affected Serial Nos.: All Units
 INVERTER (Park Model)
 DOUBLE INVERTER

Model No.: 414

Action to be taken (continued):

Installation Instructions - Vehicle Software

1. Turn off the power to the ride.
2. Open the control enclosure on the rear of the vehicle and locate the PLC. Remove the EEPROM cover from the PLC and remove the EEPROM by pulling up on the metal bail wire under the EEPROM.
3. Install the new EEPROM in reverse order of the above steps.





CHANCE RIDES, INC.
4219 Irving
Wichita, KS 67277-2328
U.S.A.
Phone: 1-800-242-6231 • FAX: 1-316-942-7416
Website: www.rides.com
E-mail: rides@rides.com

Bulletin No: B414R1220-0
Release Date: July 30, 1999
Effective Date: July 30, 1999
Supersedes: N/A
Completion Date: August 30, 1999
Page: 4 of 4

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

Ride Name: INVERTER (Portable Model) Affected Serial Nos.: All Units
INVERTER (Park Model)
DOUBLE INVERTER

Model No.: 414

Action to be taken (continued):

Operating instructions - Recovering from a power failure

Use this procedure if a power failure has occurred during a ride cycle and the vehicle is stopped at any position other than the loading/unloading station. After power is restored, the vehicle can be driven to the loading/unloading station using the jog feature.

1. Turn the PANEL SWITCH to "Manual".
2. Push the DRIVES ON MANUAL push-button. The DRIVES ON light will illuminate.
3. Use the MANUAL RUN (JOG) SWITCH to immediately drive the vehicle down and past the loading/unloading station.

IMPORTANT: *The vehicle must be driven past the "home" position (at the loading/unloading station) where a photo-eye senses the vehicle and resets the encoder count. If the MANUAL RUN (JOG) SWITCH is released before the vehicle reaches the home position, the drive program will try to drive the vehicle back up to the same position as when power was restored.*

If the MANUAL RUN (JOG) SWITCH is not used within a few seconds of pushing the DRIVES ON MANUAL push-button, the drives will turn off. If this happens, push DRIVES ON MANUAL again.

4. Continue to use the MANUAL RUN (JOG) SWITCH to precisely position the vehicle at the unloading station.

If the jog feature is unavailable or otherwise cannot be used, a similar procedure can be performed using the START SWITCH in the automatic ("Auto") mode. Once the vehicle has passed the home position, press the STOP SWITCH or release the OPERATOR PRESENCE SWITCH to bring the vehicle to a normal, programmed stop at the loading/unloading station.

NOTE: *In the "Auto" mode, the vehicle will swing back and forth several times before it goes past the "home" position.*