

Hoglund Bus Co., Inc.
I-94 & South Hwy. 25
PO Box 249
Monticello, MN 55362

PRSR STD
US POSTAGE
PAID
ST. CLOUD MN
PERMIT #1316

Call the
Bus Transportation Specialists
Hoglund Bus Company
1-800-866-3105

Visit us online at
www.hoglundbus.com
www.ic-corp.com

FEBRUARY PARTS SPECIALS

REPAIR PANELS

THOMAS #1404-8377 105" x 45" REEDED 20 GAUGE PANEL	\$209.96
SMOOTH 84" x 32" GAUGE REPAIR PANEL	\$197.96

SEAT COVER REPAIR

HOGLUND BUS CO., INC. CARRIES A FULL LINE OF VINYL REPAIR PRODUCTS
INCLUDING TAPE, PAINT, AND LIQUID VINYL

11 OZ VINYL SPRAY PAINT	\$9.35 EA
32 OZ BOTTLE LIQUID VINYL REPAIR	\$79.00 EA

MIRRORS

ROSCO "EAGLE EYE" #2365	\$29.99
ROSCO "MINI HAWK EYE" #3365	\$23.97

CALL OUR PARTS DEPARTMENT TO PLACE YOUR ORDERS AT 1-800-866-3104!



HOGLUND BUS CO., INC.

The School Transportation Specialists

FEBRUARY 2006

MONTHLY FEATURES

BUS INVENTORY
MSBOA/MAPT
CONFERENCE
BE CHALLENGE
PAGE 1

ENGINE AND
TRANSMISSION
ECU CLEAN POWER
CONNECTOR
PAGE 2

BUS ISIS RENEWED
WHEELCHAIR LIFTS
AVAILABLE
PAGE 3

MONTHLY PARTS
FEATURE
PAGE 4

BUS INVENTORY

NEW IC BUSES JUST ARRIVING- 30 TO 70 PASS

365 & 466 ENGINE - AIR OR HYDRAULIC BRAKES

NEW LIFT BUSES IN STOCK

CUTAWAY - 9 + 2	CONV. - 59 + 1
17 + 1	36 + 1
	23 + 1

USED BUSES

2002- 65p INT'L 5sp 444 AIR BRAKES

2001- LIFTBUS FE 66+2 466 HYD.

1999- 59p GMC 5sp 366 HYD.

1998 77P INT'L THOMAS 444

1997-76P BB TC2000

NEW MID BUS CUTAWAYS IN STOCK!!!

**WE LOOK FORWARD TO SEEING YOU AT THE
MSBOA / MAPT JOINT CONFERENCE IN
ROCHESTER. BE SURE TO STOP BY OUR
BOOTH AND SEE THE NEW BE YOURSELF!**

**Thank you to all who participated in the BE Challenge.
If you have not received your hat yet, you should
receive it via mail shortly.
All answers to the quiz are TRUE!**

HOGLUND BUS CO., INC.

Metro Telephone: 1-763-295-5119

Toll Free: 1-800-866-3105

Copyright 2004 Hoglund Bus Co., Inc.

ENGINE AND TRANSMISSION ECU CLEAN POWER CONNECTOR

DESCRIPTION

Intermittent operation of the engine ECM and/or the Allison transmission ECU's can often be caused by poor electrical connections in the Clean Power and Ground Connectors 6323, 7104, or 7104F or the Chassis/Dash Connector 9700. Poor connections can be caused by "pushed back" pins, loose pins, corroded connectors, or poorly mated connectors. The following procedures should be followed to diagnose and repair these connector problems.

PARTS INFORMATION

Kit #	Connector Description	Conn. #	CIR FM BAT	CIR TO ECU
3517501C1 BSP29006	Engine ECM Clean Pwr.	6323	N97AA (10RD)	K97x (10VT)
- - -	Engine ECM Ground	6323	N97-G (10WH)	K97X (10WT)
2587365C91	Allison Clean Pwr.	7104	N92-A (10RD)	L92#103 (14TN)
- - -	Allison 2000 Ground	7104	N92-G (10WH)	L92-G (14TN)
3517501C1 BSP29006	Allison MN Clean Pwr.	7104F	N92-A (10RD)	L92#136 (10TN)
- - -	Allison MD Ground	7104F	N92-G (10WH)	L92#143 (10TN)

Use Packard crimper 12085115 or equivalent to properly crimp open terminal splices without creating sharp edges during the crimping process.

PROCEDURE:

ENGINE CLEAN POWER AND GROUND CONNECTOR 6323

1. Locate engine clean power and ground connector near the starter. Refer to Figure 1. Engine harness contains one violet wire and one white wire.
2. Disconnect the connector and check for corrosion and pushed back pins.
3. Drag test all terminals with a new terminal 1687848C1. Refer to Figure 2.
4. If the pins are corroded, pushed back, or do not fit tightly together and produce a significant amount of drag while separating, the terminals and connector will need to be replaced with terminal splice 3517501C1 and BSP29006 heat shrink tubing (See Parts Table).
5. If the connector/terminals pass the drag test and show no sign of corrosion, apply a small amount of dielectric grease, part number 1831731C1 to the terminals and around the seal and reconnect.
6. Strap lock connector to battery cable so connector is above the bottom of the frame rail. Tie strap should go around the connector body and not the wires. (Caution: connector should not be lower than the bottom flange of the frame rail.)



Figure 1

ALLISON TRANSMISSION CLEAN POWER AND GROUND CONNECTOR 7104 OR 7104F

1. Locate transmission clean power and ground connector near the starter. Refer to Figure 1. Transmission harness wires are tan in color.
2. Disconnect the connector and check for corrosion and pushed back pins. If corrosion is present replace the existing connector and terminals with kit listed in Parts Table.
3. Drag test all terminals with a new terminal 2025423C1. Refer to Figure 2. If terminal does not fit securely and have a significant amount of drag the terminals and connector will need to be replaced with the kit listed in the Parts Table.
4. If the connector passes the drag test and shows no sign of corrosion, apply a small amount of dielectric grease, part number 1831731C1 to the terminals and around the seal and reconnect.
5. Strap lock connector to battery cable that is no lower than the bottom of the frame rail. Tie strap should go around the connector body and not the wires. (Caution: connector should not be lower than the bottom flange of the frame rail.)



Figure 2

CHASSIS/DASH CONNECTOR 9700

1. Locate the Chassis/Dash connector 9700 in the engine compartment near the wiper motor. Connector 9700 has a gray cam lock lever. Refer to Figure 3.
2. Inspect harness for proper routing and clipping. If harness and connector are tight remove tie straps and clamps and reposition harness to remove stresses on wires at the connector. Test vehicle systems for correct operation and system controller for fault codes.



Figure 3

Article taken from International's Service Manual

INTERNATIONAL'S BUS ISIS RENEWED!

International has decided to extend their free trial offer of BUS ISIS for another year!

Bus ISIS provides you with:

- Service Manuals
- Service Bulletins
- Campaigns
- Parts Publications
- Warranty Information



If you have not taken advantage of this great offer, and are interested in a FREE trial of BUS ISIS from International, contact Amanda at Hogleund Bus Co., Inc. at 763-271-2959 or marketing@hoglundbus.com.



WHEELCHAIR LIFTS AVAILABLE

DON'T FORGET!

Hogleund Bus Co. is an authorized dealer for both RICON and BRAUN wheelchair lifts. We are available to sell and install lifts in your fleet vehicles. Contact us today for more information.



CALL OUR TECH HELPLINE AT 1-866-286-1320 AND ASK FOR JOE!

Call our service department at 763-295-2999 or 1-866-286-1320 to set up an appointment.