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www.hoglundbus.com

MAY 2017

School Bus Flyer

**Fishing Opener is approaching...
Are you ready?**

Back by popular demand, Hoglund Bus Company will be giving away fishing lures with your parts purchase! This offer will last until the lures are gone.



Any parts invoice totaling \$600.00 + gets you a lure*

*Core charges are not included in the totals

GRAND PRIZE:

All invoices over \$750.00 will be entered into a drawing for a Belmore Aluminum Deck Plate Cooler



Don't miss out on your chance to pre-order one of our annual Wall Calendars. The calendars are due to arrive in May, just before school lets out for summer! To ensure you receive this year's calendar, please email us at marketing@hoglundbus.com.

May Service Special

Our service departments are dedicated to meeting all of your service needs and to keep your fleet running in top condition.

\$102.00

**A/C System
Performance Check**

Front Line Tech Support - Doug Yager



We invite you to contact our Tech Helpline with any technical or training questions you may have.

Contact Info: D: 763.271.2982 • C: 763.350.2597
E: service@hoglundbus.com

MOBILE SERVICE AVAILABLE

Hoglund offers Mobile Service throughout Minnesota and parts of Iowa. Contact Tom Paulson for details & to schedule a service call.

Tom Paulson - D: 763.271.2962 E: mobileadvisor@hoglundbus.com

LED Replacement Bulbs for Turn Signal Indicators on Instrument Cluster Printed Circuit Boards *Navistar SFN Number: 07-78*

Applies to: Model: BE Bus, CE Bus, 3200, 4100, 4200, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600

Description: This SFN applies to models built prior to 2007 emissions. With the exception of the back-light illumination for the speedometer and tachometer faces, all indicator lights on HPV instrument cluster printed circuit boards are permanently soldered LED bulbs. This procedure provides guidelines to remove burned out LED turn signal indicator bulbs so that replacement LED's with twist lock bases can be installed into the mounting hole. While the mounting bases of the incandescent bulbs are similar and can be locked into place, they will not illuminate because of their higher current requirements. **ONLY LED REPLACEMENT BULBS WILL WORK WHEN REPLACING A FAILED LED.**

Parts Information 3578733C1, LED - Light Green

Service Procedure:

1. Disconnect the negative cable and ECM ground from the battery.
2. Remove fasteners and the steering wheel lower column (**Figure 1**)
3. Remove fasteners and the instrument cluster dash trim panel (**Figure 2**)
4. Remove fasteners from the instrument cluster (**Figure 3**) and move the instrument cluster away from the dash to gain access to the harness connector (**Figure 4**). Disconnect connector and remove the instrument cluster.

Caution: Static electricity can cause permanent damage to the instrument cluster. Before working on the cluster, be sure to discharge all static from your body by touching metal that is grounded. Do not wear clothing that causes static buildup (such as nylon). Do not touch any pin connectors during removal and installation of the cluster. Work on the instrument cluster in a clean environment.

5. Place the instrument cluster face down on a protected work surface.
6. Remove the fasteners from the rear instrument cluster cover (**Figure 5**) remove the cover.

7. Determine the location of the LED needing replacement. **Figure 6** shows the backside of the circuit board with red circles around the right and left turn signals, and the high beam headlight indicators.

8. Using a sharp knife or similar tool, carefully cut away the winged legs that are supporting the LED and mounting. **Figure 7** shows the position of the knife as it cuts one leg of the right turn signal indicator. As viewed from the rear of the circuit board, the leg on the left side should be cut midway between the LED mounting and the side where the leg attaches to the board, the leg on the right should be cut closer to the attaching point of the main board. **Figure 8** shows the circuit board after it has been cut. When one of the attaching legs has been cut, hold the LED mount with needle nose pliers while cutting the second leg. Failure to hold the LED mount will allow the LED and mount to fall into the housing cavity and result in a difficult removal.

9. **Figure 9** shows a replacement LED with a twist lock base. **Note** that the twist lock tab on the right side is wider (extends farther out from the base) than the tab on the left side of the base.

10. Insert the replacement LED into the mounting hole. Place the wider tab as shown in Figure 9 toward the right side of the mounting hole as viewed from rear of the printed circuit board. Insert a small flat bladed screw driver into the LED base and rotate it clockwise until the stop is felt (approx. 30°). See **Figure 11**. If the replacement LED is placed into the hole with the larger lug on the left side, it will not illuminate. LED's must have the proper polarity to function properly.

NOTE: The color of the replacement LED will be a yellowish green as apposed to the dark green of the original turn indicator-see **Figure 10**. For uniform appearance at minimal cost, replace both left and right turn indicators at the same time while the back of the board is accessible.



Fig. 1



Fig. 2



Fig. 3

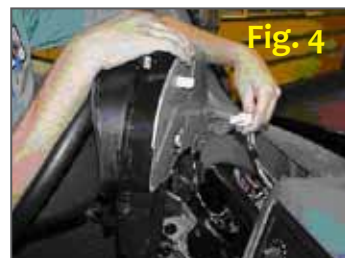


Fig. 4



Fig. 5

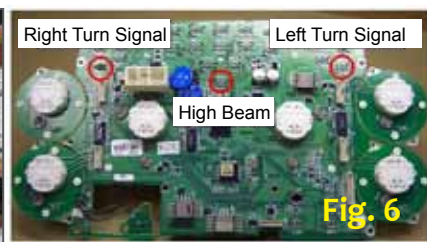


Fig. 6

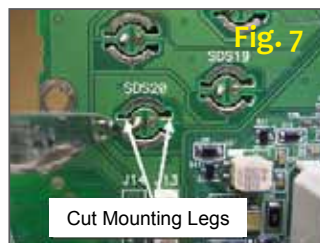


Fig. 7

Cut Mounting Legs



Fig. 8

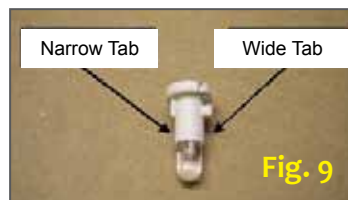


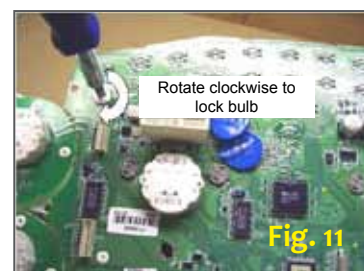
Fig. 9

Narrow Tab

Wide Tab



Fig. 10



Rotate clockwise to lock bulb

Fig. 11

NEW BUS INVENTORY					
PASS	YEAR	SPEC	MAKE	ENGINE	BRK
14	2017	1743	Transit	Ford	H
44+	2017	1705	IC - CE	ISB/240	A
65	2017	1706	IC - CE	ISB/240	A
77	2017	1708	IC - CE	ISB/250	A
77	2017	1733	IC - CE	ISB/240	A
77	2017	1744	IC - CE	ISB/250	A
84	2017	1740	IC - RE	MXDT/285	A
65	2018	1855	IC - CE	ISB/240	H
65	2018	1802	IC - CE	Propane/270	A
65	2018	1803	IC - CE	ISB/240	H
65	2018	1805	IC - CE	ISB/240	A
65	2018	1812	IC - CE	ISB/240	A
65	2018	1813	IC - CE	ISB/250	A
77	2018	1801	IC - CE	Propane/270	A
77	2018	1804	IC - CE	ISB/240	A

USED BUS INVENTORY					
PASS	YEAR	MAKE	ENGINE	BRK	ODO
Large Conventional Buses 65 to 77 Passenger					
71	2014	IC	MXDT/245	A	47,434
65	2014	IC	MX7/240	H	40,393
65	2014	IC	MXDT/260	A	39,046
65	2014	IC	MXDT/260	A	31,639
65	2014	IC	MXDT/245	A	54,037
65	2014	IC	MXDT/245	A	55,008
65	2014	IC	MXDT/245	A	48,803
65	2014	IC	MXDT/230	H	30,620
65	2014	IC	MXDT/230	A	42,237
65	2014	IC	MXDT/230	A	43,805
65	2014	IC	MXDT/230	A	45,094
65	2014	IC	MXDT/230	A	42,246
65	2014	IC	MXDT/230	A	38,902
65	2014	IC	MX7/240	A	32,509
65	2014	IC	MX7/240	A	36,331
65	2014	IC	MX7/260	A	38,275
65	2013	IC	MX7/220	A	40,483
65	2011	IC	MX7/215	A	84,229
65	2011	IC	MX7/215	A	56,262
65	2010	IC	MX7/215	A	73,225
65	2010	IC	MX7/215	A	78,219
77	2008	Frtl	Merc/210	A	95,059
71	2008	Frtl	CatC7/210	A	109,247
10 - 64 Passenger Buses					
59	2012	IC	MX7/220	A	45,107
53	2012	IC	MX7/220	H	40k
18	2010	Chev	Diesel	H	80k
59	2008	TH	Merc/190	H	58,872
22	2004	Chev	6.0L	H	148,206
Special Needs & Lift Buses					
45+	2017	IC	ISB/250	A	2,696
44+	2014	IC	MXDT/230	A	31,801
46+	2007	BB	CatC7	A	132,846

USED BUS SPOTLIGHT



• **LOW MILES** •

File: 22823AI Odometer: 36,331
 Year: 2014 Engine: MX7/240
 Make: IC-CE Fuel: Diesel
 Pass: 65 Brake: Air

\$59,000.00

2017 COURSE CATALOG

- OnCommand Connection
 - PSI Propane Training
 - MaxxFORCE 7, DT, 9, 10
 - CE Bus Program (Brakes, Electrical)
 - 2007 Emissions Fundamentals
 - Navistar Safety
 - OnCommand Service & Parts Information
 - ServiceMaxx Introduction and Usage
 - MaxxFORCE DT, 9, 10 - Engine Overview: Brakes, Electrical, Door Adjustments
 - OnCommand Connection - Paid subscription available to purchase through Hoglund Bus Co., contact mnpartscoord@hoglundbus.com
 - Automatic Slack Adjuster
 - Foundation Brake
- Hoglund Bus Company
- IC Bus
- Navistar
- Meritor

WARRANTY SUPPORT

We invite you to contact Brian Tesmer, our Warranty Coordinator with any questions you might have.

D: 763.271.2978; E: brian.tesmer@hoglundbus.com



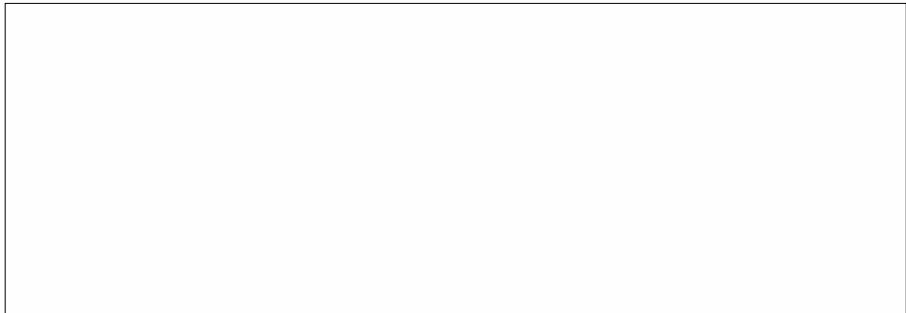
2017 IC BUS UNIVERSITY TRAINING SCHEDULE

- **June 12 - 16**
- **July 10 - 14**
- **June 26 - 30**
- **August 7 - 11**

Training will be held at the Training Center at the Tulsa Bus Plant. It includes a Tulsa bus plant tour and comprehensive training on parts, service and maintenance.

Contact your Hoglund Bus Co. representative for more information, registration and cost.

Return Service Requested



PARTS SPECIALS

Weldon stainless steel back/turn light



Part #: W1010S112010 (Red Stop)

Part #: W1010S112020 (Amber Turn)

Buy 2 @ \$16.⁹⁷ ea.

800.866.3104

SCHOOL SIGN COVER

\$82.⁰⁶ ea.

Install without ladders or climbing on the bus.



WELDON Repairable LED

Part #: 1017-9000-10

Part #: 1017-9000-20

Only \$27.²¹ each when you buy 2

V-LED TECHNOLOGY:

Weldon's patented V-LED threaded mounted design provides the most efficient thermal management in the industry, allowing extraordinary brightness with the lowest current draw. As an added benefit, field upgradeable V-LED diodes allow the user to stay current with LED technology without replacing lamp head.

Overview:

- Single, upgradeable V-LED
- Serviceable & replaceable cover lens
- Easy retrofit
- Low power consumption
- Reduced maintenance & vehicle downtime
- Low life cycle cost
- FMVSS108 Compliant
- Green Technology
- **5 YEAR WARRANTY**



LED LIGHTS



Part #: ECV7561TY-FA

Part #: ECV7561STT-FA

Only \$25.⁸⁰ each when you buy 2

- Advanced optical technology exceeds all FMVSS and SAE requirements
- Premium offers greatest number of LEDs, our brightest light
- Specially engineered lens to boost light output and brightness
- Sonic welded, waterproof construction
- Reinforced stainless steel screw bosses – tested to 50 inch lbs. of torque
- Lens with UV inhibitor prevents sun fade
- Weatherproof seal with adhered neoprene gasket
- Includes 7" wire length
- Premium and standard models available
- **5 YEAR WARRANTY**