

Technical Service Information



TSI-06-16-09

Date: December, 2006

Subject File: CAB

Subject: Improved Actuator for HPV Models with Motorized Mirrors

Model: 4000, 7000, 8000

End Date: 08/28/2006

Unit Code: 16SDT

Unit Code: 16SDU

Unit Code: 16SGA

Unit Code: 16SJR

DESCRIPTION

In order to improve the performance of the motorized mirrors on the HPV family of trucks, a new mirror actuator has been made available. This new actuator can be installed on any vintage HPV truck that is equipped with motorized mirrors. This TSI contains complete instructions on installing the new actuator on trucks built prior to 08/28/06.

PARTS INFORMATION

Table 1

| Part Number | Description | Quantity |
|-------------|---------------------|----------|
| 2592422C1 | Actuator | 1 |
| 2592423C91 | Structure Plate Kit | 1 |

SERVICE PROCEDURE



WARNING – To avoid personal injury or death, shift transmission to neutral or park, set parking brake, and block wheels before doing diagnostic or service procedures.




WARNING – To prevent personal injury or death, remove ground cable from negative terminal of main battery before disconnecting electrical components. Always connect ground cable last.

Please Read Attached Instructions

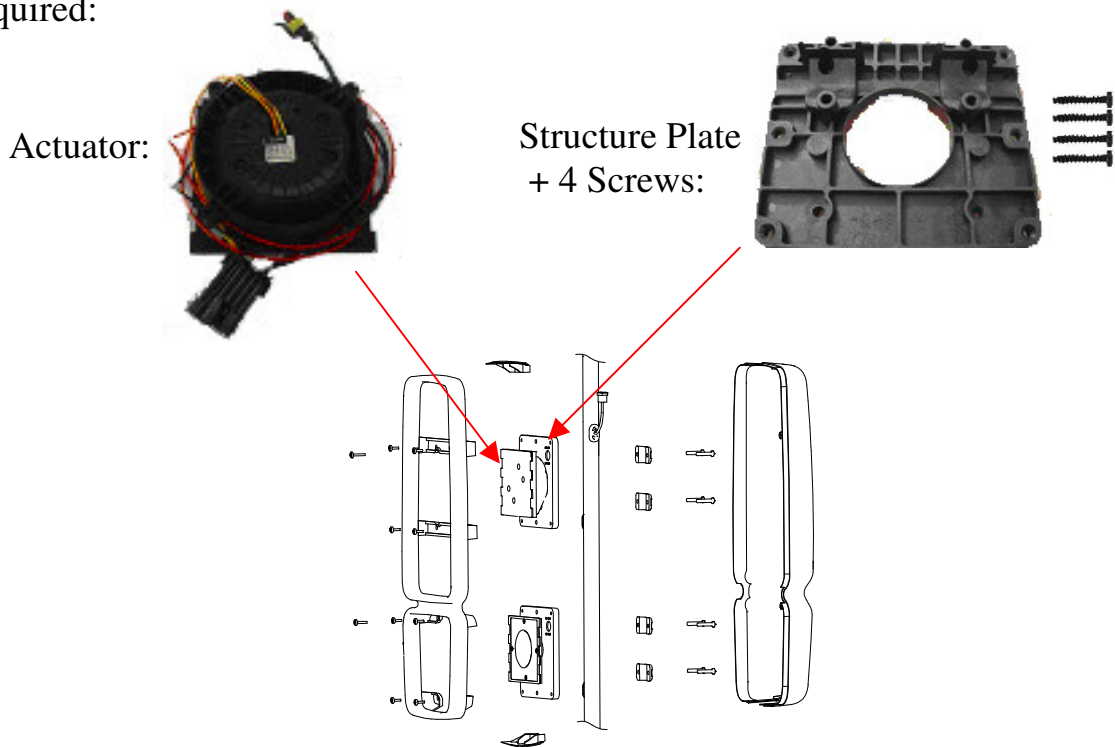
Notice

The information supplied herein has been furnished by the manufacturer and/or the supplier for use with its product. International Truck and Engine Corporation reprints this information based on representations made by the Company. While users are urged to carefully follow the instructions accompanying the product, International cannot accept any responsibility for users errors, or mishaps resulting from such errors, or from any misuse of the product.

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|  | Lang-Mekra North America, LLC. 101 Tillessen Boulevard Ridgeway, SC 29130 | WI 7.4-120 Rev # 2 Page 1 of 4 |
| Work Instruction | 400/HPV -PREMIUM MIRROR SYSTEM ACTUATOR REPLACEMENT INSTRUCTIONS | Created By: T. Scott Released By: R. Forseth Release Date: 10/12/06 |

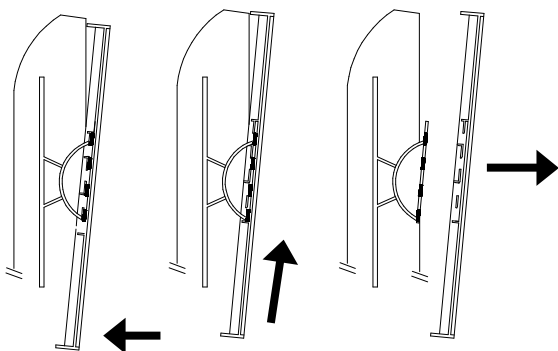
These instructions are for replacement of the actuator for HPV Premium mirror systems.

Parts Required:



Step 1

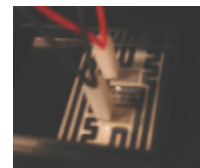
Remove main and convex glass from mirror system. Disconnect heater wires from glass.




1. Actuate
Mirror Down

2. Slide Mirror
Plate Up

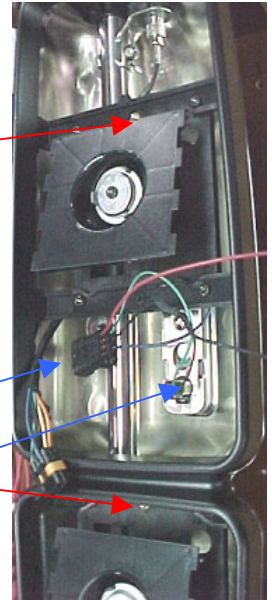
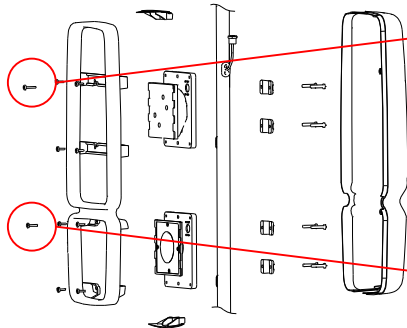
3. Pull Mirror
Plate Out



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Step 2

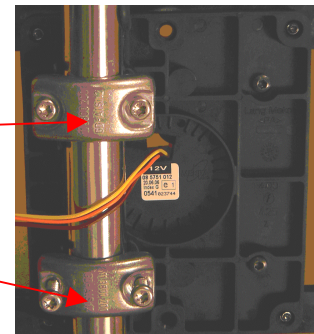
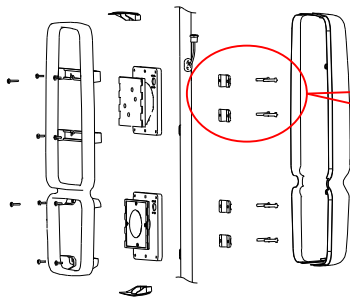
Remove back cover by unscrewing the two M6 x 30mm screws (SS).



Unplug connectors from wire harness and marker light.

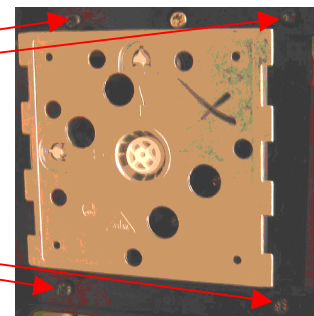
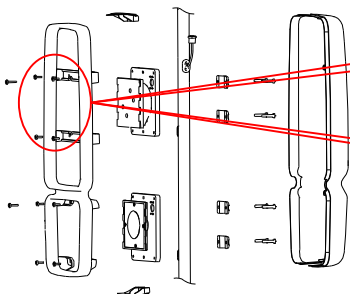
Step 3


Remove structure plate clamps by unscrewing four M6 x 30 mm screws (SS).



Step 4

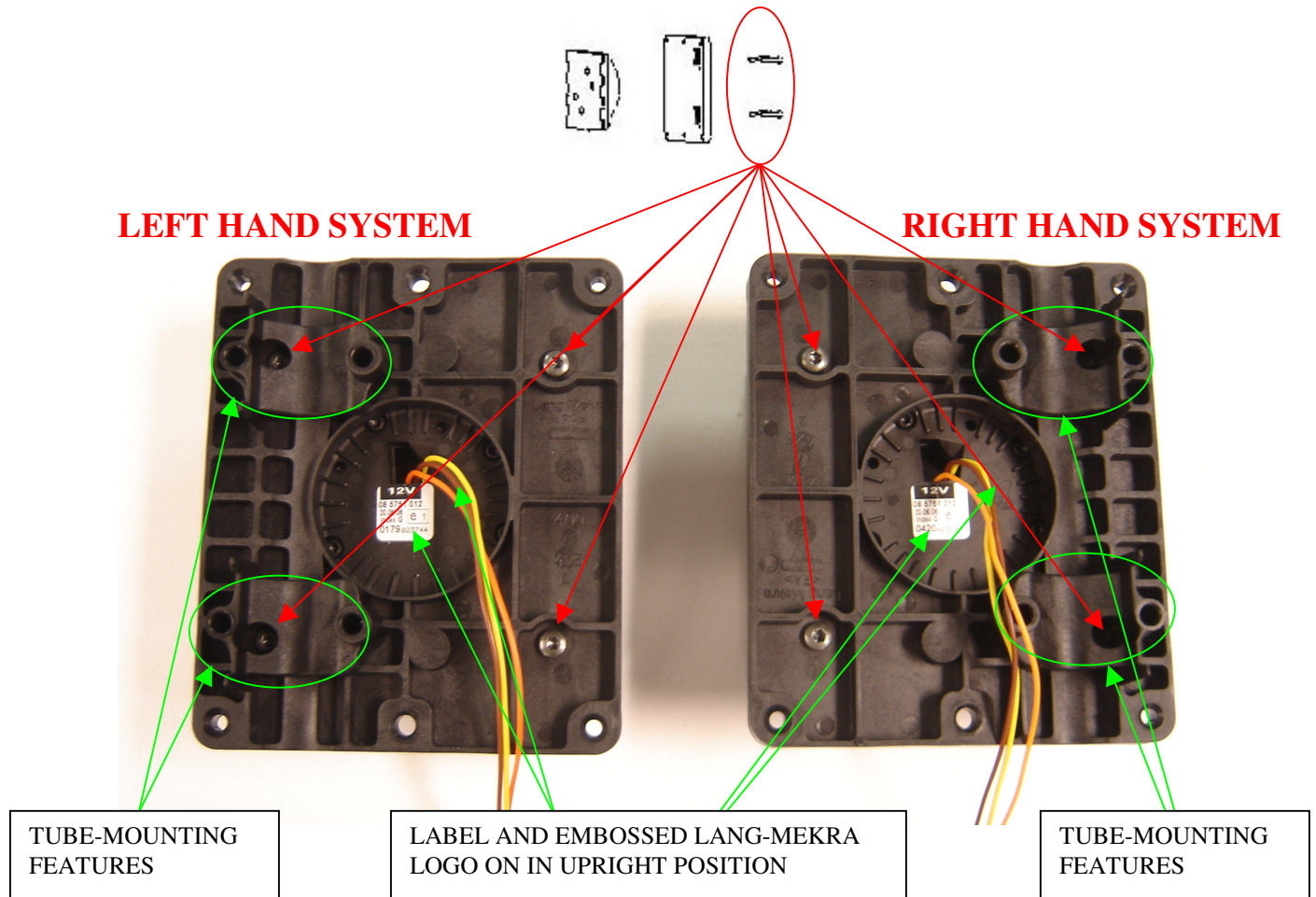
Remove structure plate from bezel by unscrewing four M6 x 16 mm screws (black)



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Step 5

Pre-Assemble new actuator/structure plate assembly using four M5 x 25mm screws (tighten to 3-5Nm). Orientation of the actuator is critical to ensure correct motion (up/down – left/right). Refer to image below for orientation instructions.




Step 6

Using four M6 x 16mm screws removed during Step 4, attach structure plate/actuator assembly to bezel. Tighten screws to 3-5 N-m.

Step 7

Using four M6 x 30mm screws removed during Step 3, reattach tube clamps to structure plate. Tighten screws to 9-11 N-m.

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Step 8

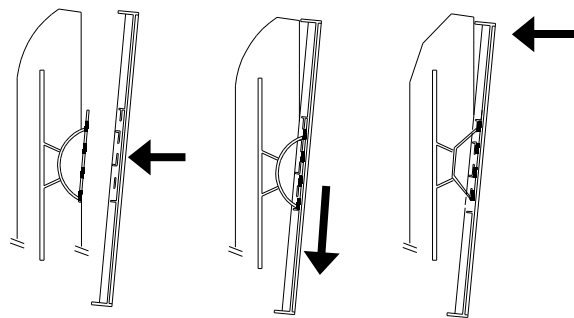
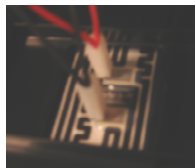
Using two M6 x 30mm screws removed during Step 2, reattach back cover. Tighten screws to 2-4 N-m.

Step 9

Reattach electrical connections for marker light and wire harness

Step 10

Reattach heater terminals and re install mirror glass



1. Actuate Socket Plate Down, Install Mirror Plate
2. Slide Mirror Plate Down to Engage Locking Teeth
3. Actuate Mirror to Desired Position