

AD SERIES

TRANSVERSE BEAM END CASTING INSPECTION PROCEDURE



WHAT IS THE PURPOSE OF THE INSPECTION?

Some AD Series suspensions installed on new trucks and buses during 2004 and the 1st qtr of 2005 may have Transverse Beams, see *Figure 1*, manufactured with End Castings, *Figure 2*, that were non-conforming to Holland Material Specifications.

The purpose of the inspection is to identify non-conforming End Castings. If a vehicle is equipped with a Transverse Beam(s) that was manufactured with these non-conforming End Castings, the Transverse Beam must be replaced.

Figure 1

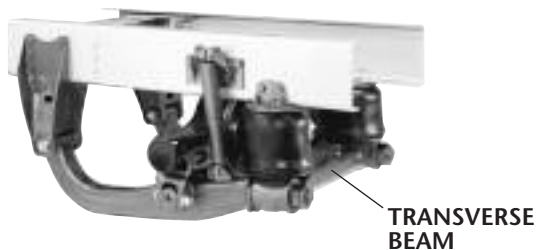
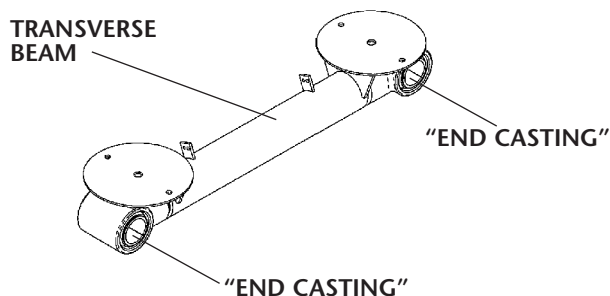


Figure 2



WHAT AM I INSPECTING FOR?

Transverse Beam End Castings can be identified by specific foundry marks. These marks are cast onto the part during the casting process and are unique to the foundry that poured the casting.

This inspection procedure requires that the foundry marks located on the Transverse Beam End Castings be used to determine if the Transverse Beam is non-conforming and must be replaced.

YOU MUST INSPECT BOTH END CASTINGS

Each Transverse Beam has two End Castings. These castings may be from different foundries (different foundry marks). You must inspect the foundry marks on both End Castings to determine if the Transverse Beam is acceptable or needs to be replaced under the recall. In other words, either End Casting may have a foundry mark indicating the need to replace the entire Transverse Beam.

TIME REQUIRED

Holland recommends a maximum of 0.5 hours per drive-axle when equipped with an AD Series suspension.

TOOLS REQUIRED

Holland recommends a flashlight and a small mirror to assist in identifying the foundry marks.

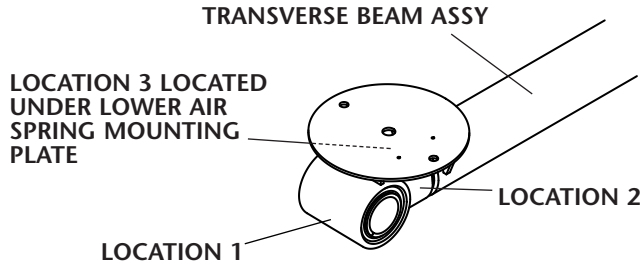
CLEANING REQUIRED

If the End Castings of the Transverse Beam are covered with mud and dirt, we recommend that the End Castings be cleaned so that the foundry marks are easier to read.

INSPECTION OF FOUNDRY MARKS ON THE END CASTINGS

There are three possible foundry mark locations on each End Casting as shown in *Figure 3*.

Figure 3



FOUNDRY MARK LOCATION 1

This foundry mark, see *Figure 4*, is located on the end of the casting as shown in *Figure 3*. This foundry mark indicates that the casting is acceptable.

FOUNDRY MARK LOCATION 2

This foundry mark, see *Figure 5*, is located on the side of the casting as shown in *Figure 3*. This foundry mark indicates that the casting is acceptable.

FOUNDRY MARK LOCATION 3

This foundry mark is located on the top of the casting below the Lower Air Spring Mounting Plate as shown in *Figure 3*. The use of a small mirror and flashlight will help when viewing this mark.

1. If the foundry mark in this location does not include a 'SS' marking, the casting is acceptable and Transverse Beam replacement is not required.
2. If the foundry mark in this location includes a 'SS' marking, as shown in *Figure 6*, the casting is non-conforming and Transverse Beam replacement is required. If either End Casting of a Transverse Beam is found to have a 'SS' foundry mark, Transverse Beam replacement is required.

Figure 4

ACCEPTABLE END CASTING –
TRANSVERSE BEAM REPLACEMENT IS NOT REQUIRED



Figure 5

ACCEPTABLE END CASTING –
TRANSVERSE BEAM REPLACEMENT IS NOT REQUIRED

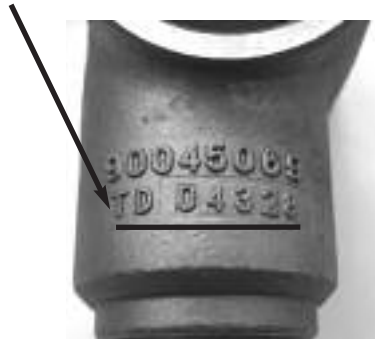
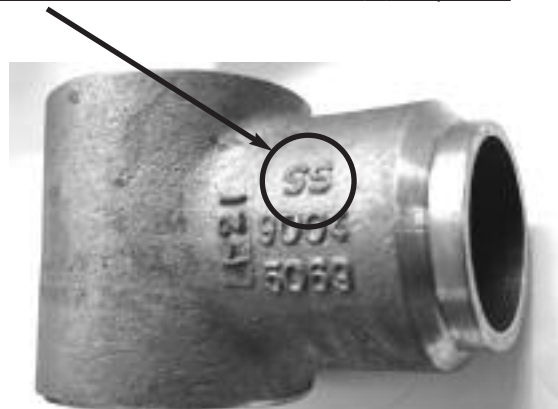


Figure 6

NON-CONFORMING END CASTING –
TRANSVERSE BEAM REPLACEMENT IS REQUIRED



HOLLAND GROUP, INC.
467 Ottawa Avenue • P.O. Box 2099 • Holland, MI 49422-2099
Phone 888-396-6501 • Fax 800-356-3929
www.thehollandgroupinc.com

Copyright © June 2005 • The Holland Group, Inc.

Holland USA, Inc.

Muskegon, MI
Phone: 616-396-6501
Fax: 616-396-1511

Holland Hitch of Canada, Ltd.

Woodstock, Ontario • Canada
Phone: 519-537-3494
Fax: 800-565-7753

Holland Hitch Western, Ltd.

Surrey, British Columbia • Canada
Phone: 604-574-7491
Fax: 604-574-0244