

Service Bulletin

Service Manual Heading: Transmission		
Models Affected: Enviro 500	Title: Hub Bearing Maintenance D64.1 Portal Axle	No: 842-2
Date: Aug 2013		
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Background

In a small number of instances the drive axle hub bearing has been found to lose axial preload. This bulletin has been re-issued to advise customers of a change to the previously published maintenance interval.

Scope of Bulletin

This bulletin describes the recommended maintenance regime for D64.1 axles fitted with the unitized hub bearing.

Maintenance Interval

At the first vehicle service (1000 miles – 1600 km), or 6 months in service, whichever is the earlier.

If the vehicle annual operating mileage is less than 30,000miles (48,000km) then the following wheel hub maintenance is to be done once every year.

If the vehicle annual operating mileage is greater than 30,000miles (48,000km) then the following wheel hub maintenance is to be carried out every 30,000miles (48,000km) or once every 6 months, whichever is earlier.

In addition to the above frequency, it is recommended to perform the wheel hub maintenance when the brakes or any other wheel end component is serviced.

Important Note:

Before carrying out any work on the axle ensure that all procedures used are in accordance with the relevant Service Manual and Health & Safety Instructions.

Maintenance Procedure

1. Firstly ensure that the tightening torque of the spindle nut is to the correct tightening torque specification

Hub Nut Tightening Torque Specification: 900 – 1000 Nm

(continued overleaf)

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Maintenance Procedure (continued)

- Using a dial indicator gauge measure the mounted hub bearing end play figure. The tolerance specifications are as follows:

Hub Bearing End Play Tolerance Specification
For a new bearing in a new hub the maximum tolerance for end play is 0.075mm
For a new bearing in a used hub the maximum tolerance for end play is 0.105mm
For a used bearing in a used hub the maximum tolerance for end play is 0.200mm

- If mounted hub bearing endplay figure is found to be above the tolerance specification the bearing should be replaced.