



SERVICE BULLETIN NO. SB-08-091

Issue Date: 10/04/05

SUBJECT: Inspection & Repair of Flood Damaged Vehicles with Dana/Roadranger Components

Due to recent events in the gulf region Dana/Roadranger has released Service Bulletin TMIB-0153.

If you have any questions in regards to the information bulletin you can contact Dana at 1-800-826-HELP.

Any questions regarding this service bulletin should be directed to Utility's Field Service Department at 800-423-6591.

**Field Service Department
UTILITY TRAILER MANUFACTURING COMPANY**

Roadranger®



One Great Drivetrain from Two Great Companies

Bulletin: TMIB-0153

Date: September 19, 2005

Bulletin Type: Service

Topic: Inspection/Repair of Flood Damaged Vehicles with Roadranger Components

Issue Description:

This document provides guidance on how to properly inspect and repair Roadranger components subjected to partially or fully submerged conditions.

Note: This process assumes it is not known if and/or how long Roadranger Components have been totally or partially submerged in water

Steer Axle Components: Submerged/Partially Submerged

- Visually inspect Kingpins, beam bores and thrust bearings for pitting due to rust. If pitting is found replace components as needed to make repairs.

Steer Axle Wheel Ends: Submerged/Partially Submerged

- Visually inspect wheel bearing cup/cone and housing spindle journals for pitting due to Rust. If pitting is found replace components as needed to make repairs.
- Replace Wheel Seals

Drive Axles Carrier Assembly: Submerged

- Replace Carrier Assembly and Fastener Hardware

Drive Axle Carrier Assembly: Partially Submerged “Water level below Wheel Seal”

- **If water is present in oil:**
 - Remove carrier assembly and visually inspect bearings for pitting due to rust. If pitting is found replace components as needed to make repairs. If no pitting is found, reinstall carrier assembly and fill with lube.
- **If no water found in lube:**
 - Replace Lube

Drive/Trailer Axle Wheel Ends: Submerged/Partially Submerged

- Visually inspect wheel bearing cup/cone and housing spindle journals for pitting due to Rust. If pitting is found replace components as needed to make repairs.
- Replace wheel seals

Brakes: Submerged/Partially Submerged

- Replace Linings, Air Chambers and Slack Adjusters
- Visually inspect S-cam bracket assemblies, S-cam assembly, Brake Spiders, Dust Shields and Springs for pitting due to rust. Replace components as needed to make repairs.

Clutch: Submerged/Partially Submerged

- Replace clutch assembly, inspect flywheel per engine manufacture guidelines

Driveshafts: Submerged/Partially Submerged

- Replace driveshafts and U-joints

Transmissions All: Submerged

- Replace transmission

Transmission All: Partially Submerged

- **If Water in oil:**
 - Flush out transmission per Service Bulletin TMIB-0124
 - Visually inspect gears and bearings for pitting due to Rust. If pitting is found replace components as needed to make repairs
 - Replace Seals
- **If No Water in Oil:**
 - Replace Lube

Note: Inspect entire air system for water ingestion and repair/replace as necessary.

Transmission Autoshift: Partially Submerged

Replace all electrical components and harness

- **If Water in oil:**
 - Flush out transmission per Service Bulletin TMIB-0124
 - Replace Seals
- **If No Water in Oil:**
 - Replace Lube

Vorad Components: Submerged/ Partially Submerged

- Replace components

Warranty Information:

This process is intended to reduce the risk of major failure as the result of any Roadranger Component being partially or totally submerged during a flood. This process nor the use of it carries any expressed or implied warranty by Eaton or Dana. This process does not completely eradicate the possibility of a failure that is the result of any Roadranger Component being partially or totally submerged during a flood. Damage done to any Roadranger Component as the result of being in a flood or any Roadranger Component failure that is the result of that damage is not a defect in material or workmanship on the part of Roadranger thus will not be covered under Eaton/Dana warranty.

The material contained in this bulletin is process improvement information. Eaton and Dana Corporation are not committed to, or liable for, canvassing existing products. FSUD: 2005-MT-4270