

# Part 573 Safety Recall Report

# 23V-543

**Manufacturer Name :** Hyundai Translead**Submission Date :** AUG 02, 2023**NHTSA Recall No. :** 23V-543**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Hyundai Translead

Address : 8880 Rio San Diego Drive, #500  
San Diego CA 92108-164

Company phone : 819-574-1500

**Population :**

Number of potentially involved : 2

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2022-2022 V/T 53SW Q29485 VI2530154-AFJ

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : - Dexter Smart-Steer 2.0 self-steering axle with a bolt-on steer arm (702887) with a 3/4" drop to tie-rod location, built from October 13, 2017 to October 30, 2022.  
 - Previous design level was a welded steering arm/knuckle asy and new design has stronger steer arm plus a weld.  
 - A total of 2 defective components were installed in a total of (2) Hyundai Translead trailers.

Production Dates : MAY 20, 2021 - MAY 20, 2021

VIN Range 1 : Begin : 3H3V534KXNJ087001 End : 3H3V534K1NJ087002  Not sequential**Description of Defect :**

Description of the Defect : Under low speed, high lateral loading events, the steer arm may fracture.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The fractured steer arm and attached tie rod will fall to the ground causing a risk for separation. There is no loss of control of the unit when this failure occurs.

Description of the Cause : The material strength was not sufficient to withstand the high lateral loads

Identification of Any Warning that can Occur : Independent castering of steer axle wheels and noise from dragging parts

**Involved Components :**

Component Name 1 : 702887 Bolt-on steer arm

Component Description : Smart-Steer 2.0 self-steering axle with the 702887 bolt-on steer arm

Component Part Number : 702887

## Supplier Identification :

### Component Manufacturer

Name : Dexter Axle Company

Address : 2900 Industrial Parkway East  
PO Box 250 Elkhart Indiana 46516

Country : United States

## Chronology :

After Dexter Axle Company reviewed recent claims with a key customer, a service bulletin was requested to address the customer issues. Upon further investigations and reviews, Dexter Canada conducted an analysis of the failure mode and determined the material was not robust enough to withstand the higher loading events which may occur in this configuration. Re-design activities were initiated to define a steer arm design that will withstand the unique, higher load events based on collected road load data.

## Description of Remedy :

Description of Remedy Program : Service work will include the following steps:

1. Remove the existing steer arms and mounting hardware.
2. Clean mounting surface and surrounding surfaces to prepare for mounting of the new bolt-on steer arm and additional welds.
3. Grind a 3/16" chamfer along the mounting face edge.
4. Mount new design steer arms (Part # 703293-LH/RH) with supplied hardware and torque to 400 ft-lbs.
5. Add welds as shown on page three of this bulletin.

How Remedy Component Differs from Recalled Component : New design has a higher strength material and welded to the steering knuckle

Identify How/When Recall Condition was Corrected in Production : Implemented a new design with higher strength material as well as an additional weld connecting the arm to the knuckle into production at Dexter Canada on 30-October-2022.

**Recall Schedule :**

Description of Recall Schedule : Letter will be issued to customer no later than 04-Aug-2023

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : AUG 02, 2023 - AUG 04, 2023

\* NR - Not Reported