



Technical Service Bulletin

ATTENTION SERVICE MANAGER / PARTS DEPARTMENT

Bulletin Level: 2 Specific Warranty Coverage: Std Warranty Coverage

Subject: Steering Gear Joint

Models Affected: Encore / Encore Max / SR5730: All Models, 114RS: All Models

Parts List Form Number(s) Affected: 2-86-00315, 2-86-00318, 2-86-00207, 2-86-00177,

ECO#: A-03134

Informational Bulletin: Not Applicable

ISSUE: Machine drives roughly or has loose steering feel.

CAUSE: The steering pivot bearing joint loosens as the peaks in the as cast surface finish on the upper bearing race break down during joint break in. Joint loosening also results due to the wear of the bearing race. The wear can accelerate if the steering gear nut is not checked and retightened on a regular interval.

CORRECTIVE ACTION: Field:

Replace steering pivot assembly, p/n's 7-57-05071 and 7-57-05071-1 with a new pivot assembly kit, p/n 56109178. The new kit consists of pivot assembly, p/n 56109177 and instruction sheet, p/n 56040907. The new pivot assembly utilizes machined and hardened bearing races and a castle nut.

Factory:

The new pivot assembly, p/n 56109177 was implemented effective with SN 1978915 in 3/07.

****Technical Service Bulletins Levels:**

Level 1: These Bulletins contain general information and are without specific warranty coverage.

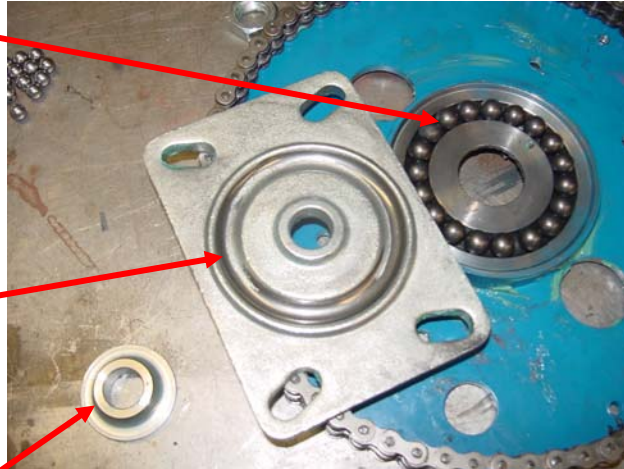
Level 2: These Bulletins describe continuous quality improvements that are made to products. Specific warranty coverage may apply and if so is noted in the Bulletin.

Level 3: These Bulletins describe a quality problem that has been determined to require a mandatory update to the product. Specific warranty coverage is as noted in Bulletin.

Machined upper bearing race surface, but not hardened. Wear point.

Fig 1- Mating upper bearing race components

As cast & non hardened upper bearing race surface. Wear point.



Machined lower bearing races, but not hardened. Wear points.

Fig 2- Mating lower race bearing surface components



Fig 3- Current steering pivot design

Current wear points

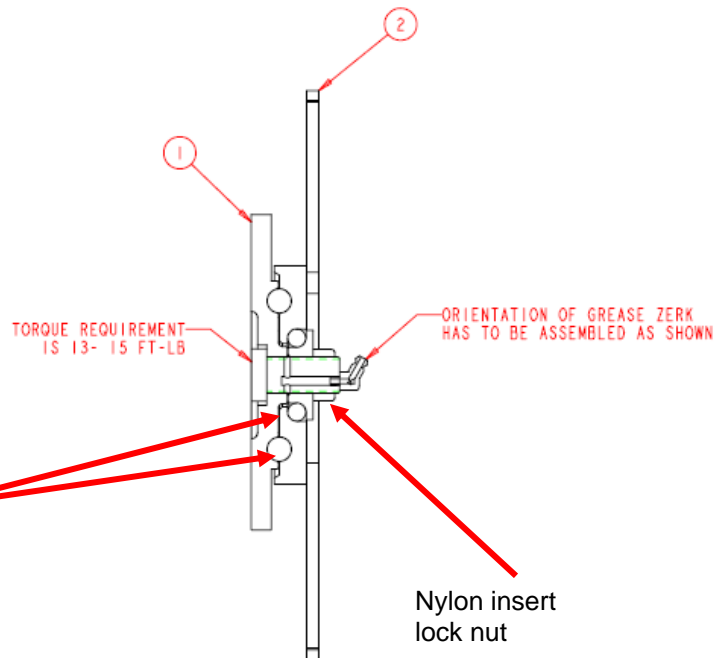
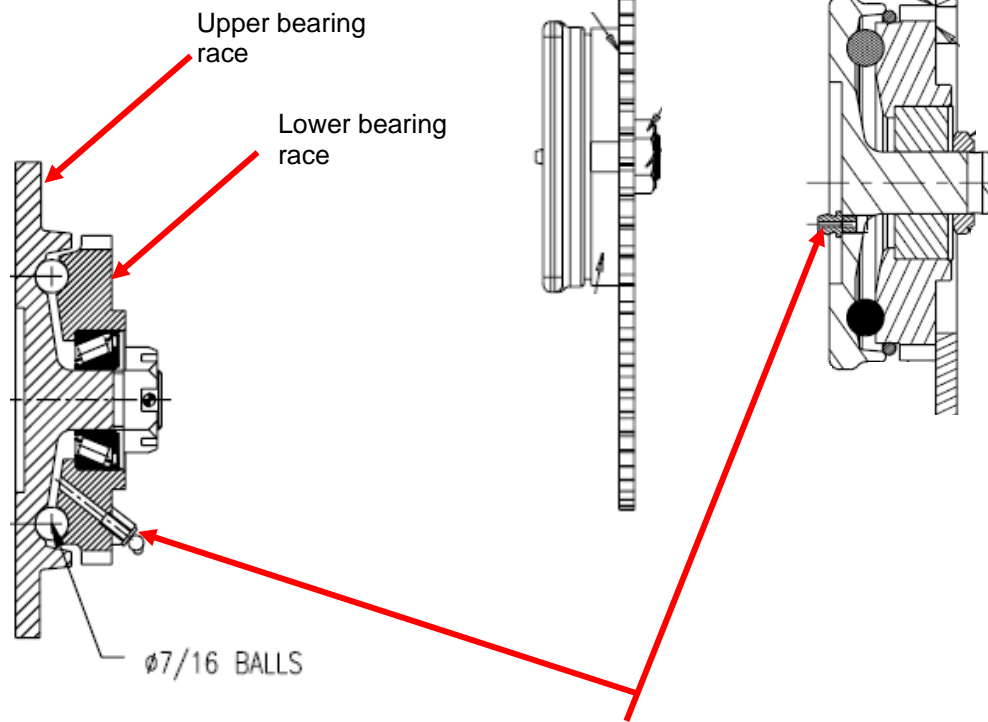


Fig 4- New steering pivot design



New bearing design utilizes a ball style upper bearing with machined and hardened surfaces and a taper roller style lower bearing.

Upper bearing race revised to relocate grease zerk from lower to upper bearing race as noted.