

Gas spring support bearing lubrication manual



HD HYUNDAI
ROBOTICS

1. Introduction

This manual describes how to lubricate a bearing to support the gas spring in order to prevent early damage to the support bearing. Please follow the lubrication cycle; otherwise, the bearing may become damaged.

2. Grease Specifications

Gadus S3 V220C 2

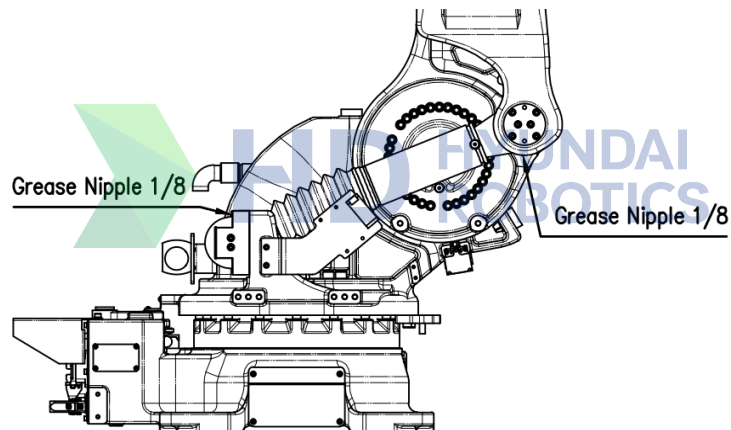
※ Please replace the current Gadus S2 V46 KP2 with Gadus S3 V220C 2.

3. Lubrication cycle

6 months (3 months in severe conditions)

4. Lubrication method

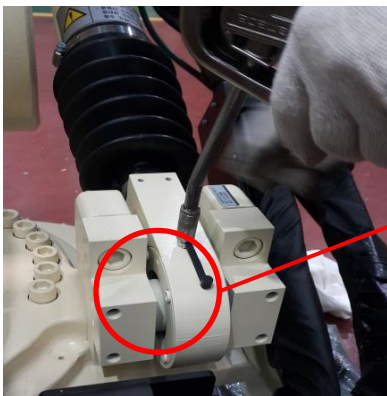
1) Remove the bearings from the top and the bottom of the gas spring, and the plug from the nipple.



2) Connect the grease gun to the grease nipple and grease it until the grease comes out in 360° direction of new grease bearing between the Nilos Ring and bearing.

※ Make sure that the grease is not excessively discharged.

※ Lubrication for a new bearing : About 15cc (about 13.5g, Full lubrication)



[Before lubrication]



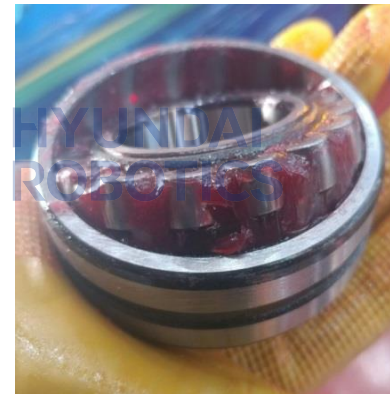
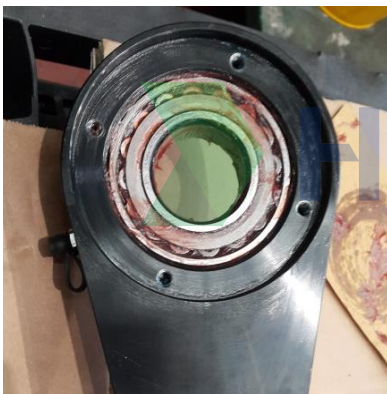
[After lubrication]

- 3) Remove the grease that comes out of the side of the inner race of the bearings on the top and the bottom of the gas spring.
- 4) Remove the grease around the grease inlet (nipple) using a cloth.

※ Reference - Greasing state in the bearing



[Before lubrication]



[After lubrication]