

## 4 Grease Replenishment

### 4.1 Grease Replenishment for S-Axis Speed Reducer

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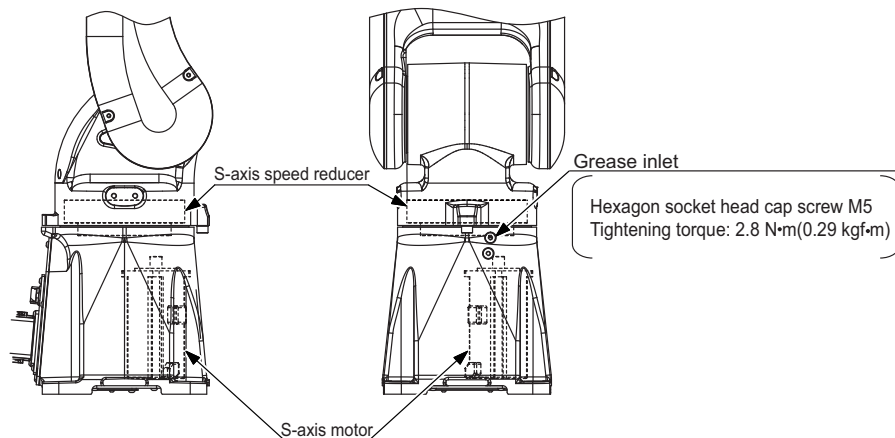
Make sure to follow the instructions listed below at grease replenishment. Failure to observe the following notes may result in damage to motor and speed reducer.



- A injection syringe is one of recommended spare parts for grease replenishment. Do not replenish grease by using the grease pump.
- Soften the grease in a injection syringe by stirring or etc., and fill the necessary amount.
- If the replenishment is performed more than the specified numbers, the internal pressure may rise during the operation and the grease leakage may occur.
- When filling, grease may flow from the inlet. Make sure to prepare a cloth or etc. to wipe off grease and the container which receives grease.

### 4.1 Grease Replenishment for S-Axis Speed Reducer

Fig. 4-1: S-Axis Speed Reducer Diagram (GP8/AR700, GP7/AR900)



#### 4.1.1 Grease Replenishment

(Refer to fig. 4-1 “S-Axis Speed Reducer Diagram (GP8/AR700, GP7/AR900)” .)

Replenish the grease in accordance with the following procedure:

1. Adjust the posture of the manipulator to perform grease replenishment smoothly.
2. Remove the hexagon socket head cap screw M5 from the grease inlet.
3. Install the injection syringe for replenishment to the grease inlet. (The injection syringe is a recommended spare part.)
4. Inject the grease into the grease inlet.
  - Grease type: Harmonic Grease SK-1A
  - Amount of grease: 3 g
5. Remove the injection syringe for replenishment from the grease inlet. Install the hexagon socket head cap screw M5 to the grease inlet. When installing the screw, apply Three Bond 1206C to the threading part of the screw.