

ZX5 Fit X axis Gearbox and Gripper

X axis drive assembly Gripper assembly

 Difficulty **Medium**

 Duration **2 hour(s)**

Contents

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Step 1 - Gearbox and servo motor coupling

Step 2 - Fitting gear box assembly to adapter plate

Step 3 - Setting backlash

Step 4 - Mounting gripper assembly

Step 5 - Q/C checks

Comments

Introduction

How to assemble and set x axis drive assembly

How to mount gripper assembly

Parts Required

R0015001B Assembled Gripper

From assembly R0015029b

C0001122 servo motor 1 off

C0001001 gearbox 1 off

D0015073B Motor adapter plate 1 off

D0008301 Drive pinion 1 off

Step 1 - Gearbox and servo motor coupling

Mount gearbox to servo motor

Correct orientation of gearbox for access

Correct torque setting of friction coupling

Marking of gearbox for torque setting

Blanking plug fitting

Step 2 - Fitting gear box assembly to adapter plate

Fitment of gearbox assembly to mounting adapter plate

Fitting of drive pinion to gearbox shaft

Fitting of assembly to carriage plate

Correct setting of drive pinion Height to hepcorail

Step 3 - Setting backlash

Correct setting of drive pinion backlash at various points on x axis

Step 4 - Mounting gripper assembly

Mounting gripper assembly to carriage plate

Setting parallel to hepcos

Step 5 - Q/C checks
