

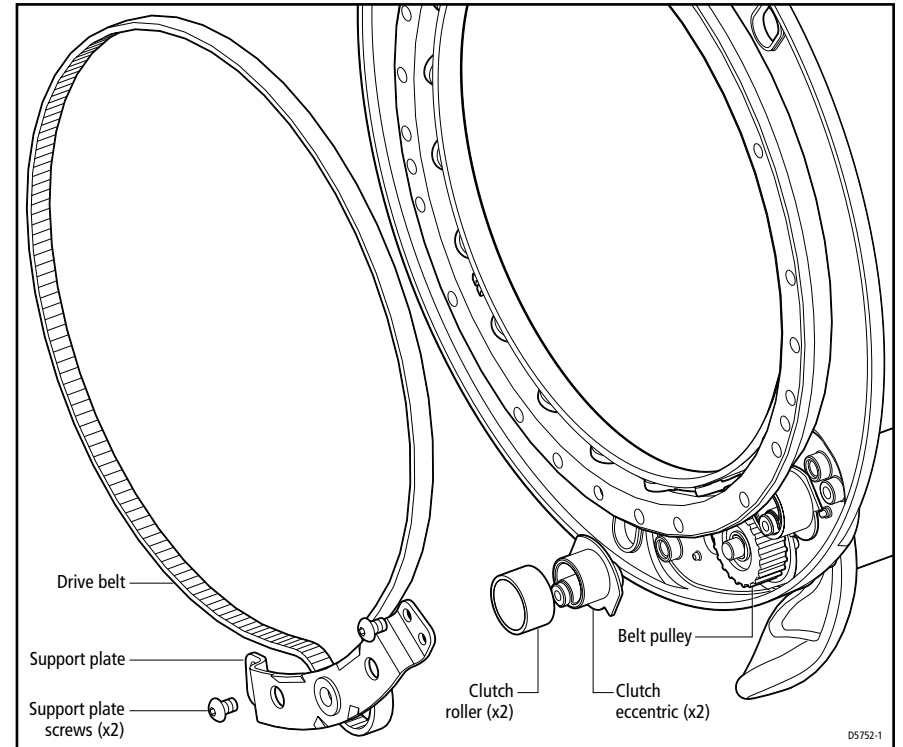
4000 mk2 Wheel Drive

Drive Belt (A18083) Installation Instructions

Introduction

This leaflet explains how to replace the drive belt (part number: A18083) on the 4000 mk2 wheel drive.

Removing the old drive belt



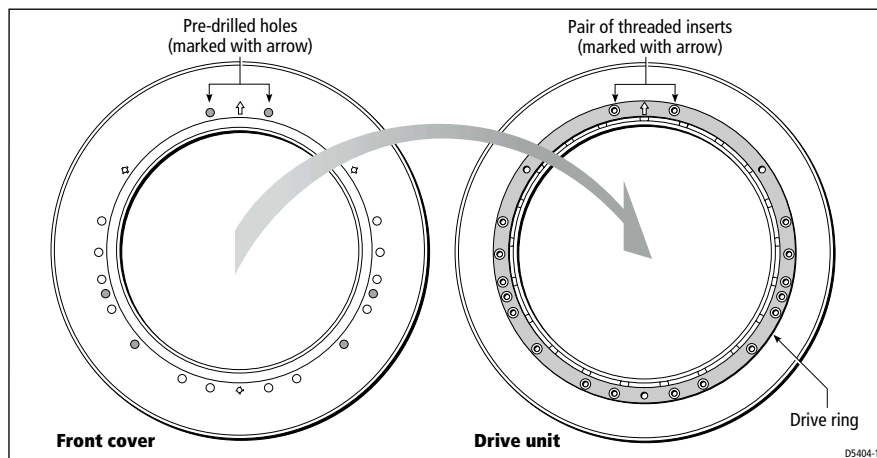
1. Remove the wheel drive from the wheel and release the clutch.
2. Remove the front cover by pulling it up and away from the back cover.
3. Remove the support plate:
 - use a 3 mm allen key to unscrew and remove the 2 support plate screws
 - lever the support plate away from the back cover

4. Remove the drive belt:
 - lever the drive belt up and over the toothed belt pulley
 - remove the drive belt from the drive ring

Fitting the new drive belt

To fit the new drive belt and reassemble the wheel drive:

1. Fit the drive belt:
 - fit the belt around the drive ring
 - rotate the clutch eccentrics to make the maximum amount of space between the machined pulley and the clutch eccentrics
 - then fit the belt around the belt pulley
2. Fit the support plate:
 - fit the support plate over the clutch eccentrics and gearbox shaft, making sure the plate is pressed down fully
 - insert and tighten the 2 screws
3. Fit the front cover:
 - align the arrow on the inside of the front cover with the arrow on the drive ring
 - press all around the front cover to secure it to the drive unit



4. You must now adjust the clutch (see below)

Adjusting the clutch

You need to adjust the clutch if you have replaced the drive belt.

When the clutch is correctly adjusted:

- the drive ring can rotate freely when the clutch is disengaged
- the drive belt does not slip when the clutch is engaged and motor is driving

To adjust the clutch

1. Engage the clutch.
2. Use a 3 mm allen key to loosen the clutch knob screw about 2 turns anti-clockwise.
3. Turn the clutch knob either 4 clicks clockwise to tighten the clutch, or 4 clicks anti-clockwise to loosen the clutch.
4. Use the allen key to re-tighten the clutch knob screw.
5. Check that the wheel still moves freely with the clutch off.

Note: If the wheel does not move freely, reduce the clutch tension by turning the clutch knob 2 clicks anti-clockwise and check again

6. Check the drive's operation with the clutch engaged.

This procedure is usually sufficient to correct a slipping or dragging drive belt. In some cases, however, you may need to repeat the steps to adjust the clutch further.

