




BALL REPLACEMENT – EVALUATION OF WEAR & FITTING PROCEDURE
BB ROTOR BEARING UNITS 2017

10-15mm MAX

A diagram of a black, curved rotor pipe assembly. The pipe is mounted on a central vertical shaft with a flange and two diagonal support arms. A blue double-headed vertical arrow is positioned to the left of the pipe's upper end, indicating the vertical movement or 'play'. The text '10-15mm MAX' is placed above the arrow.

MEASURE 'PLAY' BY LIFTING THE ROTORPIPE
REPLACEMENT OF THE BEARING BALLS IS ADVISED
IF THE VERTICAL MOVEMENT EXCEEDS 15mm

PROCEDURE TO EVALUATE BEARING BALL WEAR
ALL VERSIONS

Refer to illustration: PARTS IDENTIFICATION ROTOR BEARING ASSEMBLY 2017 VERSIONS

Disassembly

- Disconnect & remove Rotor bearing assembly & stainless steel adjustable nozzle from the float & under-pipe assembly
- Pressure wash assembly
- Remove 2 stk <Countersunk head hexagon socket set screw M6x25 Grade A4> securing <Capping piece> & retain for cleaning
- Remove and retain for cleaning & re-use 8 stk <Socket cap screw M6x16 Grade A4 >(5mm hexagon key) from the <15-10-12 Adaptor Fabrication (GMT), option <BB AKVA upgrade adaptor, option Ocea BB adaptor assy>, while holding the lower & upper <14-03-24 Bearing outer Rev B > in position,
- Place the bearing unit in a open top box (to limit the spread of liberated bearing balls), then release <14-03-24 Bearing outer Rev B> with associated 8 stk <16-08-05 Pillar> still fitted, and also the upper <14-03-24 Bearing outer Rev A>, also <BB washer plate> Set aside for cleaning & re-use
- Discard all <Bearing balls> (56 stk) in accordance with local recycling recommendations.
- Clean & inspect <16-08-05 Rotorpipe sub assembly>

Reassembly

- Thoroughly clean all retained components.
- Examine ball grooves in both <14-03-24 Bearing outer Rev B >. Discard & replace any component that is obviously damaged, embedded with debris etc.
- Place the lower <14-03-24 Bearing outer Rev B >, with associated 8 stk <16-08-05 Pillar> still fitted, on the bottom of the box.
- Fit 28 stk new <Bearing balls> into the groove of the bearing outer. The balls usually locate with a slight 'click' as they engage in the groove.
- Fit 28 stk new <Bearing Balls> into the groove of the bearing outer fitted with its compliment of 8 stk <14-12-05 Pillar Rev A>
- Have an assistant hold <16-08-05 Rotor-pipe sub-assembly>, bend uppermost, allowing space underneath to
- Manoeuvre the Bearing outer with it's compliment of 28 stk Bearing balls and 8 stk<16-08-05 Pillar> underneath the Rotorpipe sub-assembly into position so that the balls engage in their corresponding groove in <16-08-05 Rotorpipe sub-assembly>. Have your assistant hold both assemblies in place, then refit the <15-10-12 Adaptor Fabrication (GMT), option <BB AKVA upgrade adaptor, option Ocea BB adaptor assy> securing with <8 stk Socket cap screw M6x16 Grade A4 > using DELTA 66 THREADLOCKER, or similar, in accordance with the manufacturers instructions.
- Tighten the <8 stk Socket cap screw M6x16 Grade A4 > opposites and in turn, whilst checking for free rotation.
- Refit stainless steel adjustable nozzle.
- Refit Rotor bearing assembly to under-pipe & float.

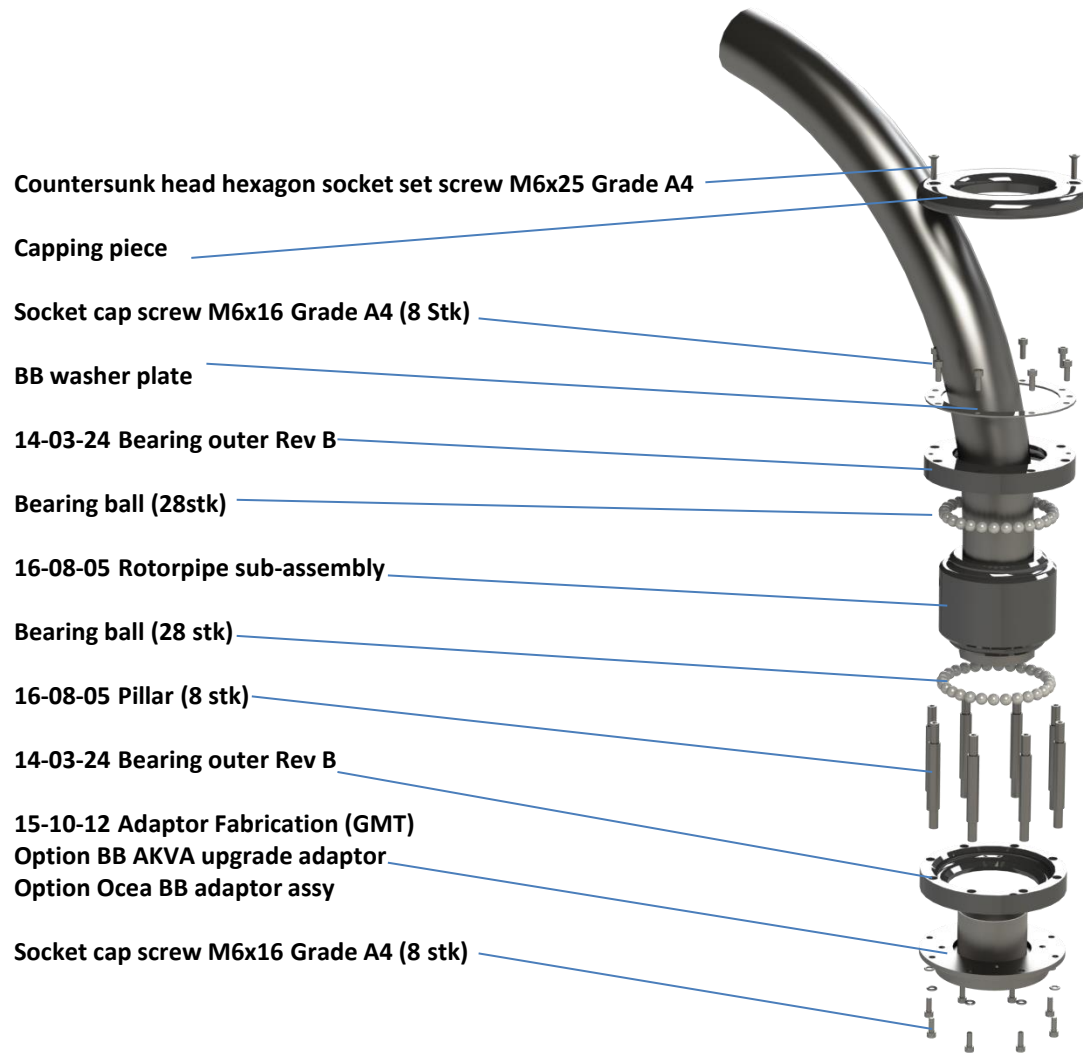
Tools required

5mm across flats hexagon key

13mm AF combination key

Pressure washer

PROCEDURE TO REPLACE BEARING BALLS 2017 VERSIONS



PARTS IDENTIFICATION ROTOR BEARING ASSEMBLY 2017 VERSIONS