



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



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>

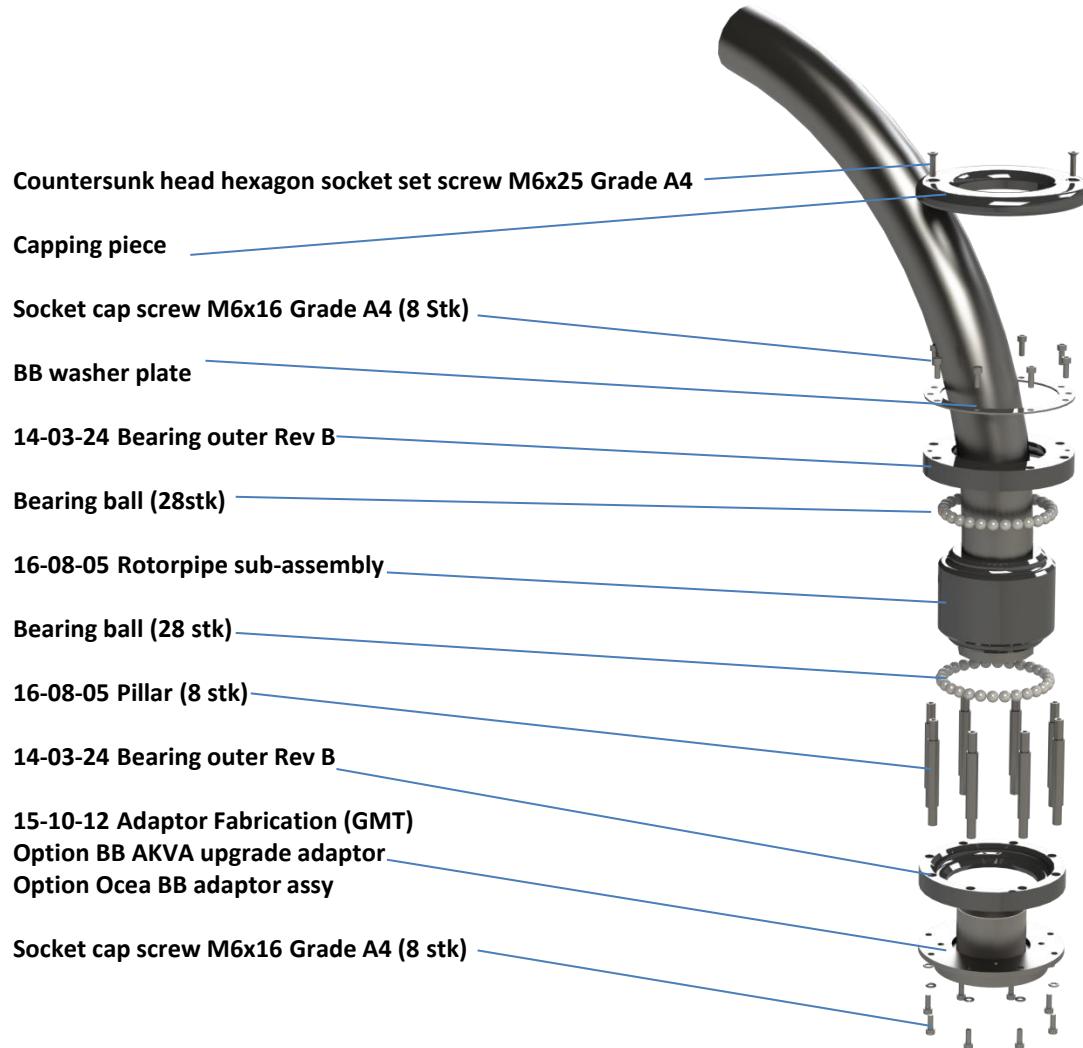
#### Reassembly

- 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