

Date Created: 13/10/15

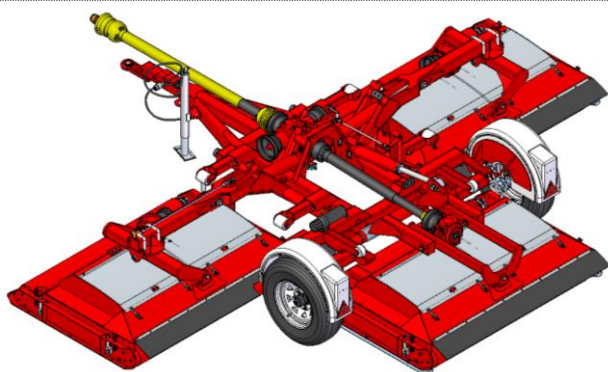
Product: Pegasus S3

Title: Tri-bolt Bearing Replacement

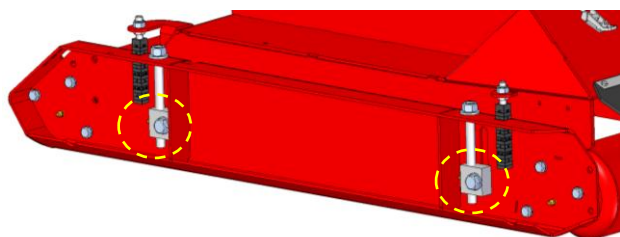


SAFETY! Before attempting to make any adjustments or carry out maintenance on the mower, review the hazard identification table (section 3a of your Operator Manual) and take all necessary precautions.

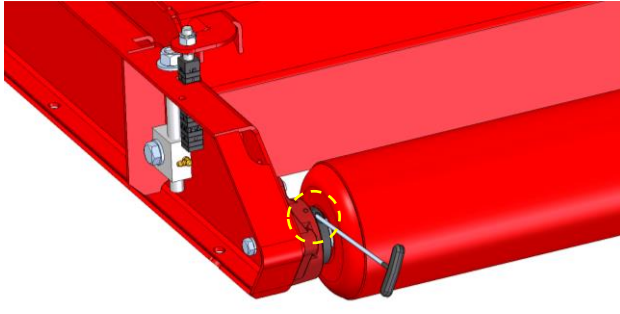
Tools Required	Quantity	Area Used
18mm Socket	1	Bearing Bolts
24mm Socket	1	Side Channel Adjuster Bolts
18mm Spanner	1	Bearing Bolts
Ratchet	1	Used with Sockets
Extension	1	Used with Sockets
4mm Allen key	1	Bearing – Grub Screws
T27 Torx Power Key	1	Bearing - Collar



Lower the mower decks



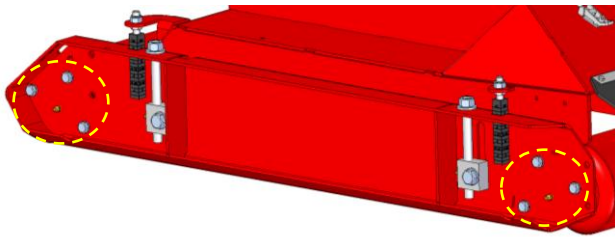
Use a 24mm socket to loosen side channel adjuster bolts until there is approximately 1/4" (6mm) clearance.



Loosen the Torx Screws from the bearing collars using the T27 Torx Power Key.

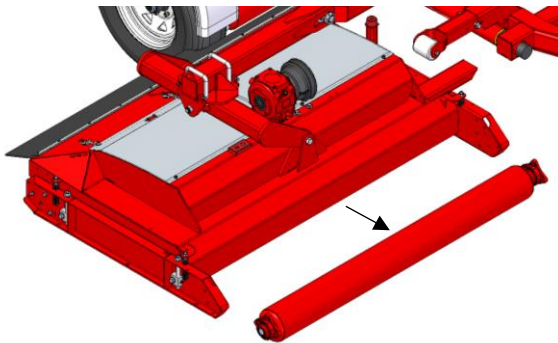
OR

Loosen the grub screws from the bearing inner race using a 4mm allen key.

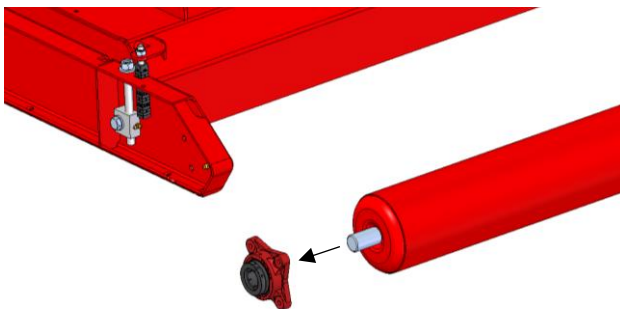


Remove bolts from Roller Bearing Housings using an 18mm socket and an 18mm spanner.

Clean any parts that are to be reused.

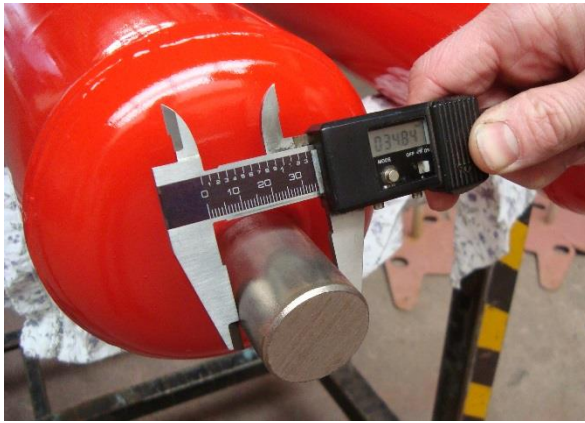


Slide the roller clear of the mower deck



Remove the old bearings from the roller stubs.

Retaining Compound is applied to the roller stubs during assembly and may require localized heat to remove the assembly. If disassembly is difficult, heat to approximately 250°C then disassemble while hot.



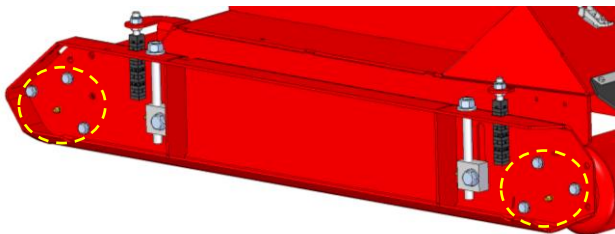
Before fitting a new bearing, it is important the roller stub is checked for wear. Trimax rollers use either 1" (25.4mm) or 1-3/8" (34.92mm) stubs. If the stub is more than 0.2mm (0.008") undersize, the roller stub will need to be replaced or repaired. A roller sleeve kit can be purchased from Trimax spare parts, part numbers 414-000-048 (1") and 414-000-047 (1-3/8").



Ensure both the stub and inside of the bearing inner race are clean and free of oil and grease.

Coat the roller stub with Retaining Compound, slide the bearing on and twist the bearing to ensure the retaining compound spreads on the stub.

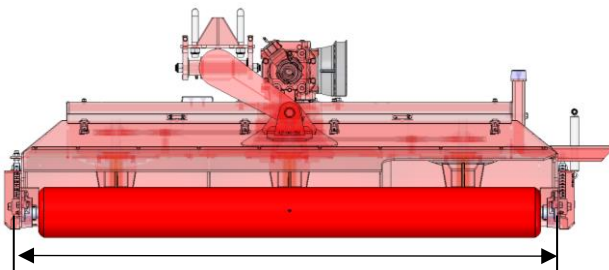
Retaining Compound significantly improves the retention of the stub in the bearing.



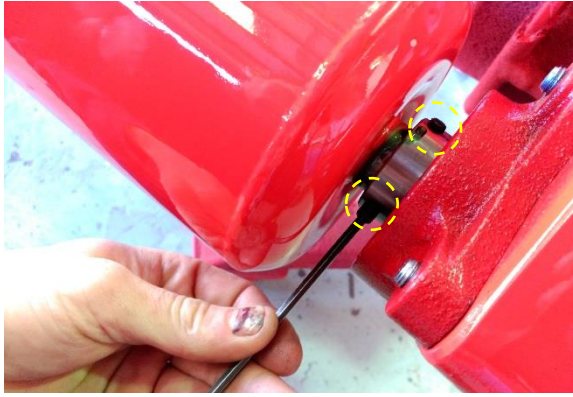
Position the Roller and align bearing housing with mounting holes in side channel.

Line up the innermost hole first and loosely fit the **M12 bolt, spring washer and nut**. Use a lever to raise the roller and rotate the bearing housing until the second hole is aligned. Apply a medium strength thread locker to the M12 bolts and fit bolts, nuts and spring washers but do not fully tighten. Trimax recommends spring washers are replaced.

Offer up and install the second bearing unit following the same procedure. Once both ends of the roller are in place fully tighten the housing bolts.



Ensure the roller is central between the side channels, rotates freely and does not interfere with other parts.



Apply medium strength thread locker to the grub screws then use a 4mm allen key to tighten the bearing grub screws onto the roller shaft.

Repeat these steps as required.



This process is now complete