



Ref. no. 31-894B-0201-02_2046

Maintenance Manual

BLUE22

EN |

Original language instruction

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This section contains important safety information. Read the manual carefully before installing, using or maintaining the weft feeder.



WARNING

Indicates a possible dangerous situation which could result in serious injury or damage to the unit.



CAUTION

Indicates a possible dangerous situation which could result in minor/moderate injury or damage to the unit.

NOTE

Used in order to draw attention to important information, which facilitates operation or handling.



It is recommended to use suitable respiratory, eye and hearing protection when operating this equipment and depending on operating activity.

Vandewiele Sweden AB reserve the right to change the contents of the user's guide and technical specifications without prior notification.

**WARNING**

- The loom must be switched off at the mains before any work is carried out on the feeder, interface or cables. The weft feeder ON/OFF-switch DOES NOT cut off the main power supply.
- Always turn off the main switch before connecting or disconnecting the feeder, the interface control board, cables or any of the circuit boards or electrical components.
- The feeder and the interface box contain electrical components that retain an electric current up to one minute after switching off loom main power. DO NOT open or disconnect feeder or interface, including cables, within this time.
- The feeder, interface cabinet and cables must be fully assembled before the power is switched on.
- All work on electrical components must be carried out by a qualified electrician.
- This product is NOT intended for use in potentially explosive atmospheres or in zones classified according to the European directive 2014/34/EU.
- Routine checks for damaged or worn parts must be made before operating this equipment. Any part that is worn or damaged should be properly repaired or replaced by authorized personnel. To avoid risk of injury DO NOT operate this equipment if any component does not appear to be functioning correctly.
- Take necessary precautions to avoid injuries when interacting with the product, depending on activity.



- Improper handling at repair, fault finding or similar may damage the feeder/interface mechanical/electrical components including cables and connectors. DO NOT perform measurements on feeder electrical components and parts.
Please contact your local IRO service station for further information.

**CAUTION**

- Caution must be taken in the close vicinity of the feeder as it contains moving parts that can cause injuries and, in normal operation, starts without prior warning.
- To comply with C.E. Regulations only replacement parts approved by IRO AB may be used.
- The feeder is an industrial product and therefore not approved to use in household environments / residential areas.

NOTE

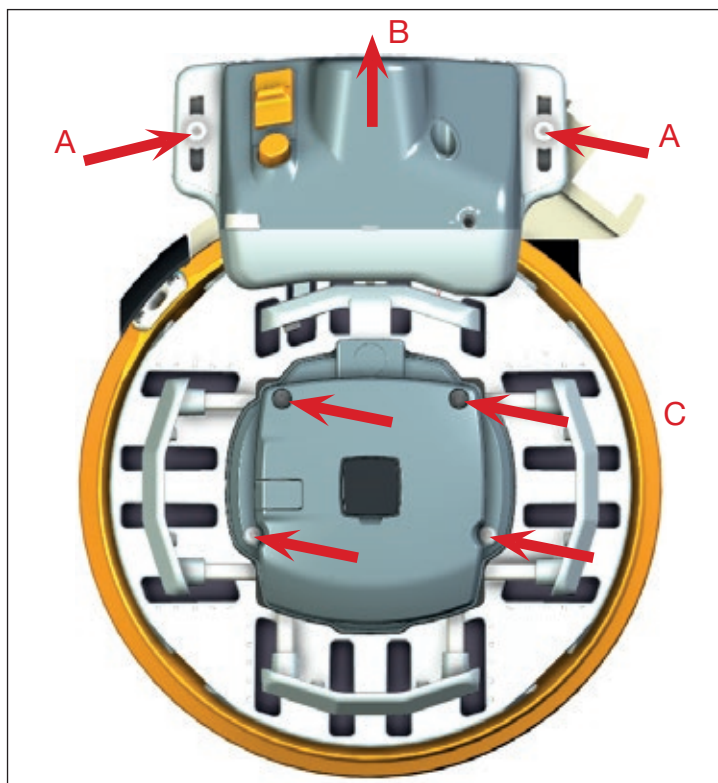
To ensure the selection of the most suitable feeder and associated accessories, it is recommended making weaving tests with the intended yarns.

Please dispose of obsolete or unwanted equipment responsibly, taking into consideration any local regulations regarding the disposal and / or recycling of materials that are applicable

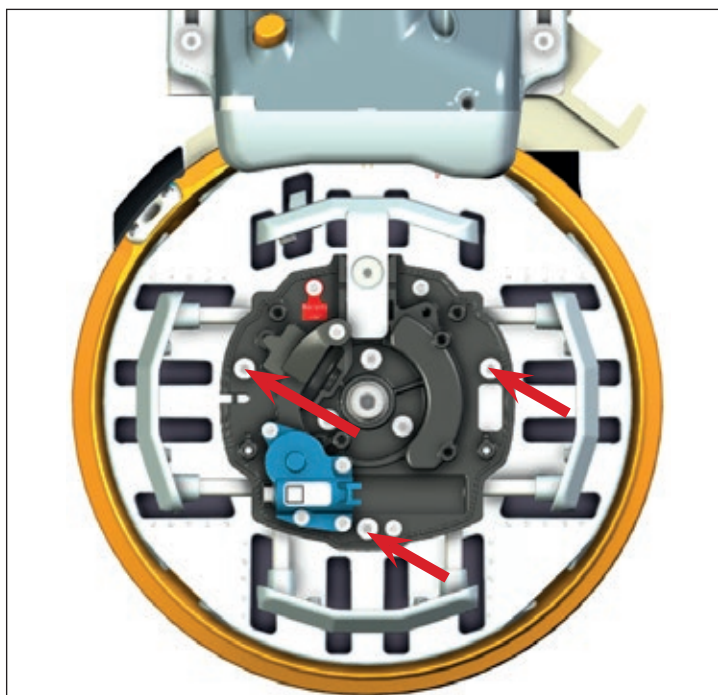
DISASSEMBLY OF BLUE22 SPOOL BODY

1. Loosen the screws (A) (2 x screws, 3mm Allen key) and move the stopper housing (B) to the maximum position.

Loosen the front cover screws (C) (4 x screws, Torx T10) and remove the cover.



2. Remove the screws that hold the spool-body to the feeder (3 x screws, 3mm Allen key) and then remove the spool-body from the rest of the feeder.



3. Remove the screws that hold the drive suspension (4 x screws, Torx T10).

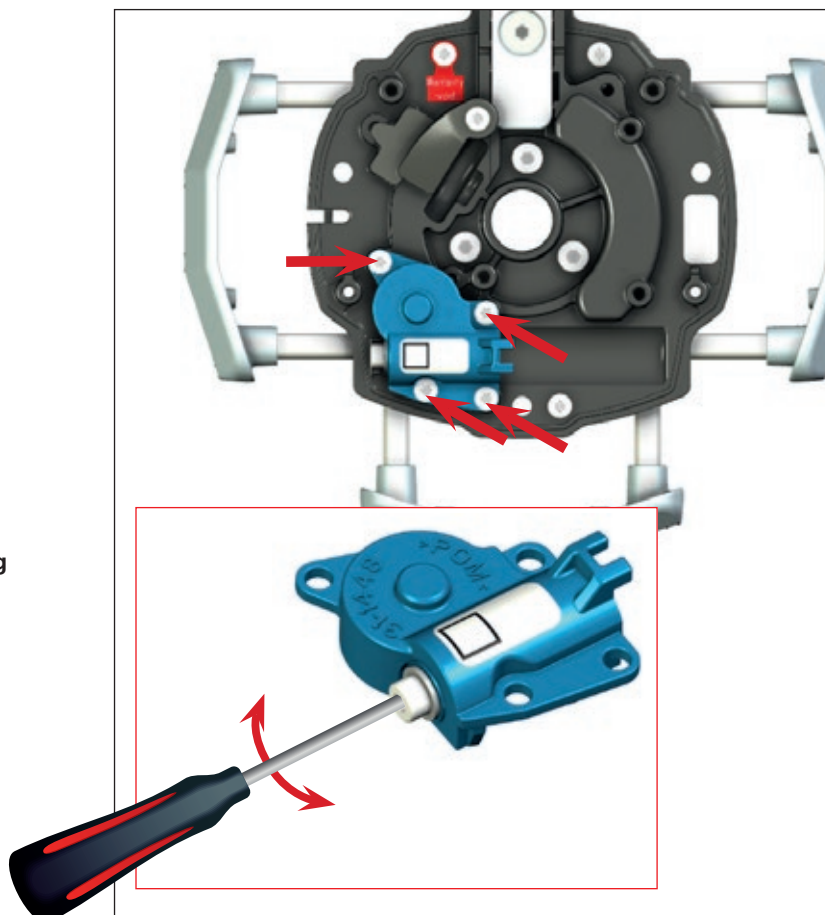
Then remove the drive suspension.

NOTE

Check that there is some resistance when turning the drive suspension setting screw.

A too loose screw can result in lost diameter setting during running.

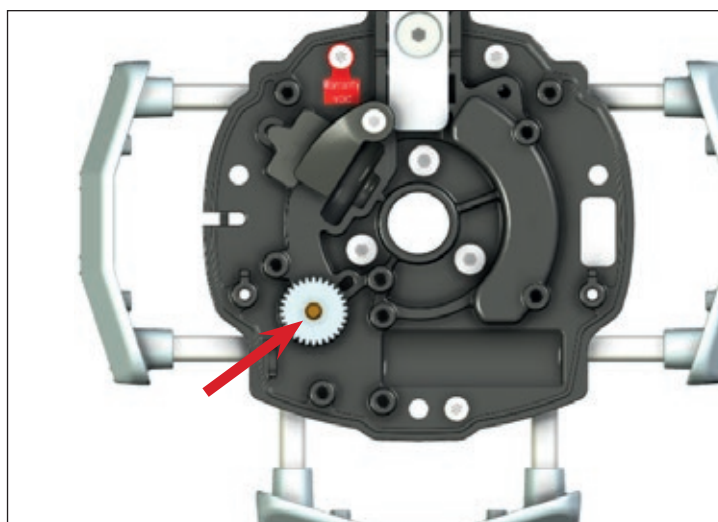
If needed, replace the part.



4. Remove the drive cog wheel.

NOTE

Inspect the cog wheel for damage and replace if needed.

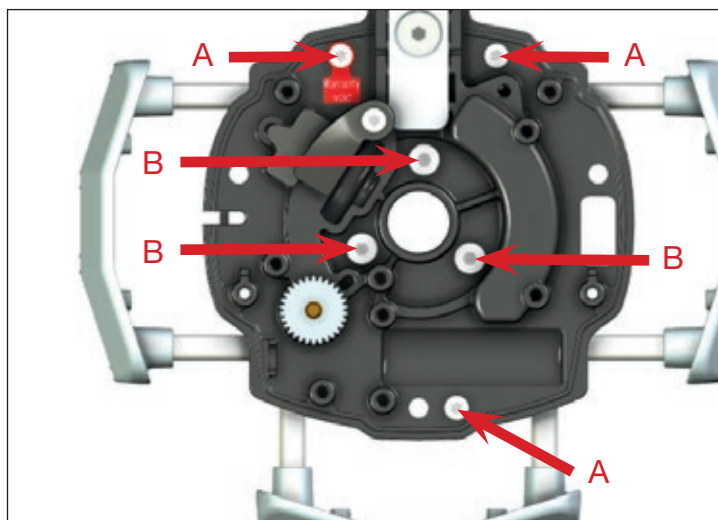


- Remove the screws that hold the rear cover (A) (3 x screws, Torx T10) and the screws that hold the rear housing (B) (3 x screws, 3mm Allen key).

Then remove the front housing with the magnet finger from the remaining parts.

NOTE

Remove the “warranty void” flag if present.

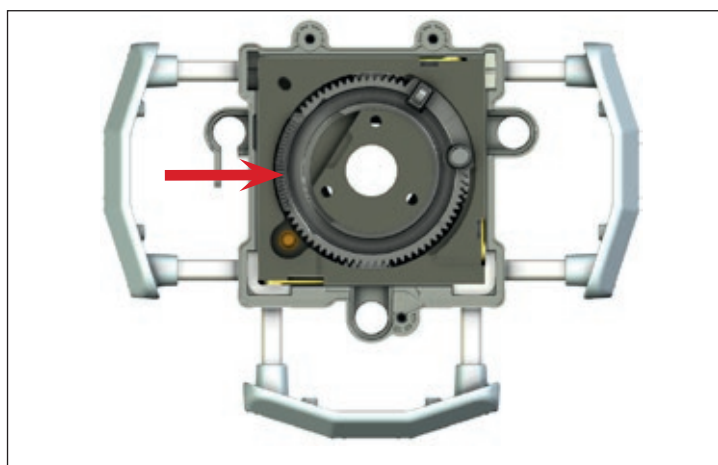


- Remove the main cog wheel.

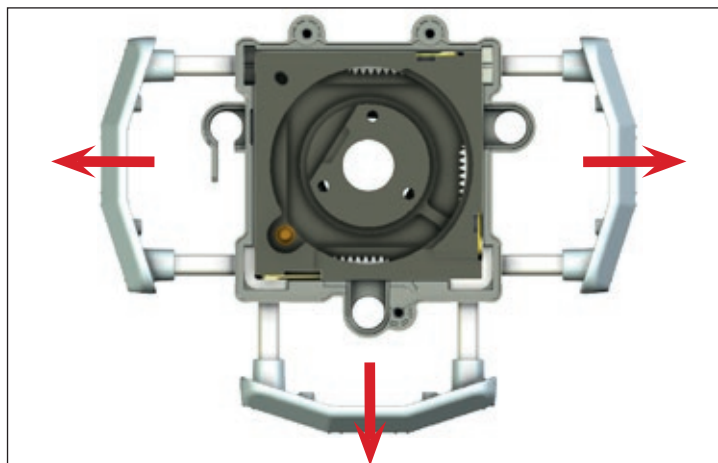
NOTE

Inspect the cog wheel for wear and tear. Replace if needed.

If the colour of the cog wheel is white it is recommended to replace by the new black version. See spare parts list for part number information



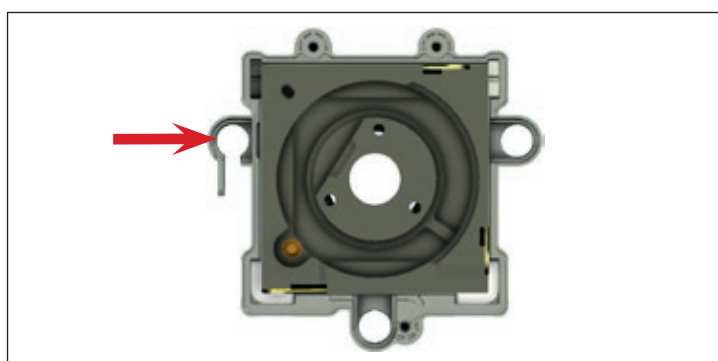
- Remove the fingers from the rear housing.



- Remove the rear cover from the rear housing.

NOTE

Inspect and clean the parts before reassembly.



REASSEMBLY OF BLUE22 SPOOL BODY

1. Check that the 4 x felt seals are properly fitted into the rear cover.

Felt seals with one hole should be fitted with the groove upwards.

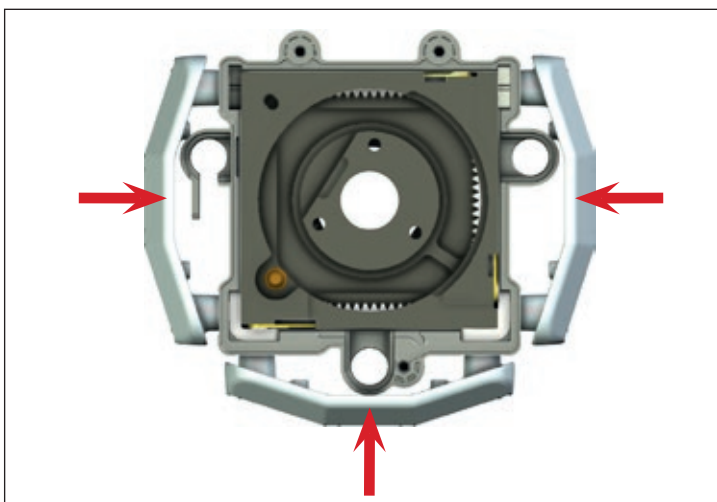
Make sure that the felt holes fit to the openings in the rear cover.



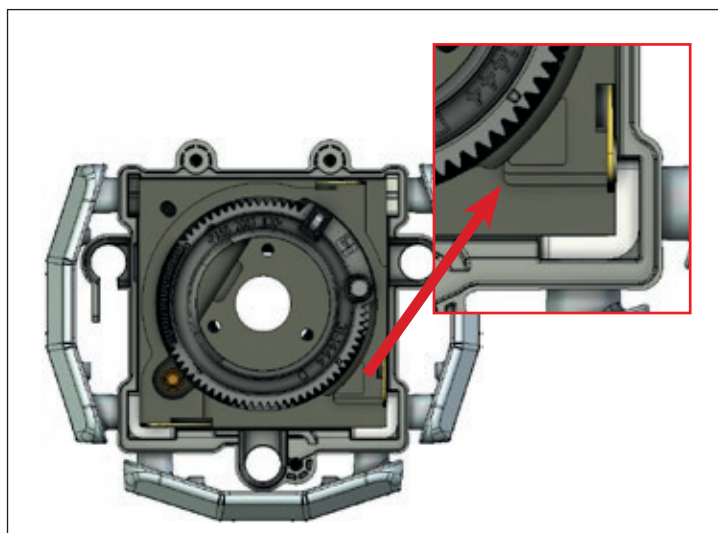
2. Place the rear housing into the rear cover as shown in picture



3. Assemble the fingers and push them to the minimum circumference position



4. Assemble the main cog wheel with the cog wheel marking aligned with the triangle shaped marking in the rear housing as indicated in the picture



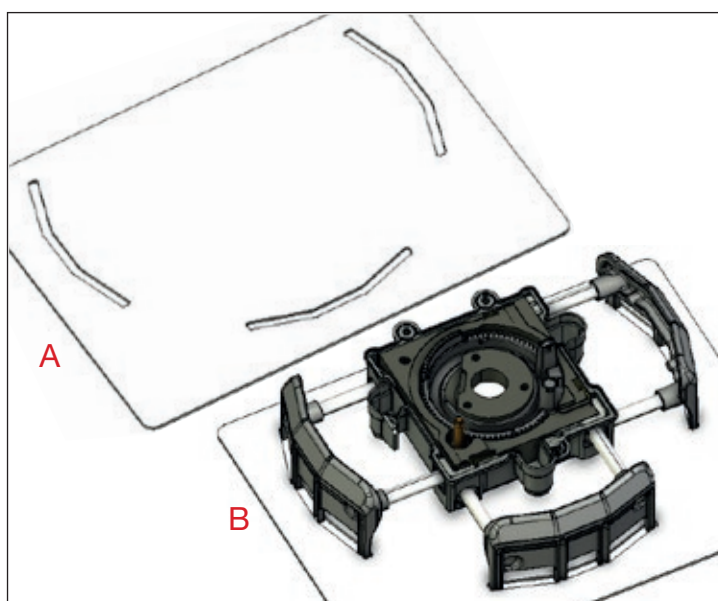
Important:

After assembly, use the measurement fixture (A) included in the tool kit, to check that the fingers are positioned correctly.

Turn the cog wheel clockwise to the maximum position.

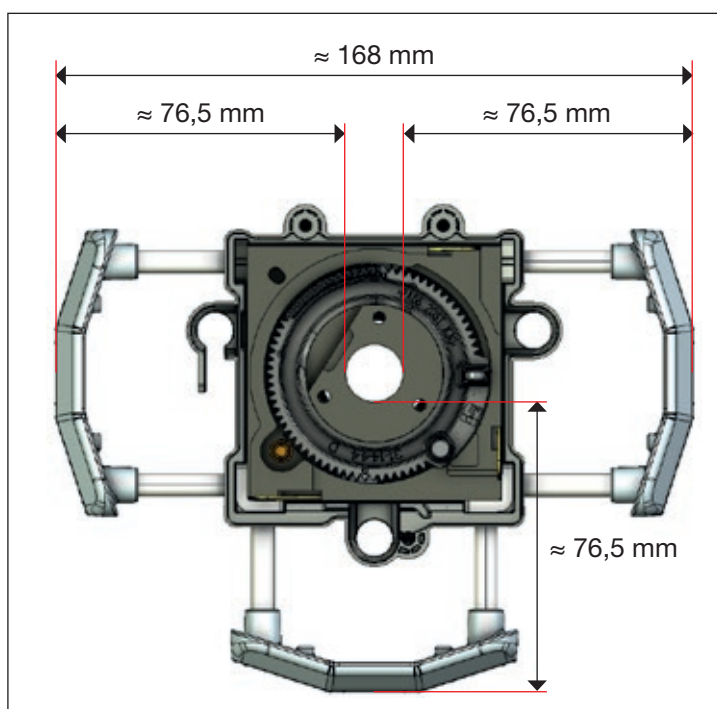
Place the spool body on the fixture (B).

All three fingers should now fit into the fixture slots.



If the measurement fixture is not available, check following dimensions to ensure that the fingers are mounted correctly. Note that the fingers should be as in the picture.

If measurements differ compared with dimensions then redo the assembly of the main cog wheel.

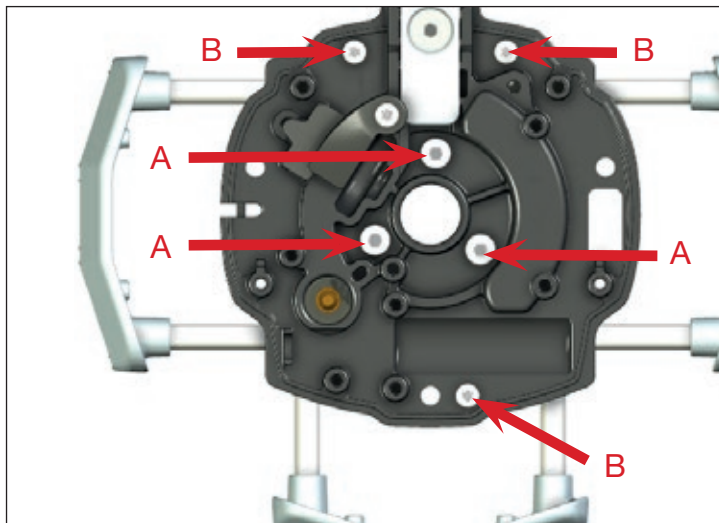


5. Keep the fingers to the maximum position.

Assemble the front housing with magnet finger and secure the rear housing with 3 x screws (A) (M4x10, 0.7Nm) and then the rear cover with 3 x screws (B) (K30x8, 0.4Nm).

CAUTION

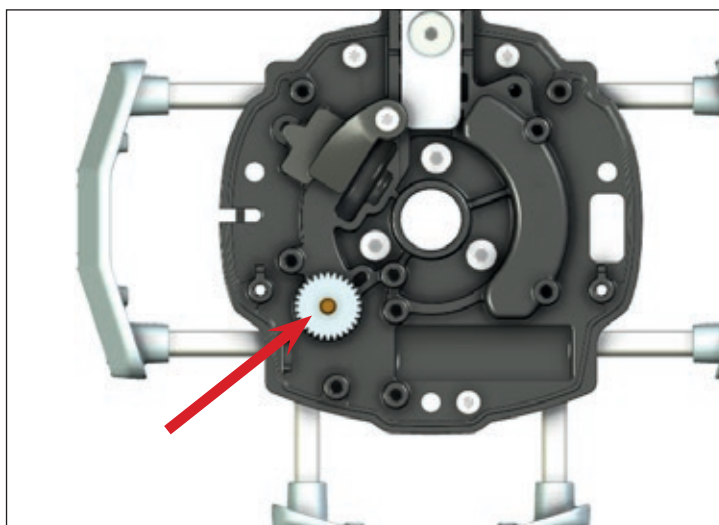
To avoid damaged threads when re-tightening screws in plastic parts, always start by turning the screw in the opposite direction to find the original thread!



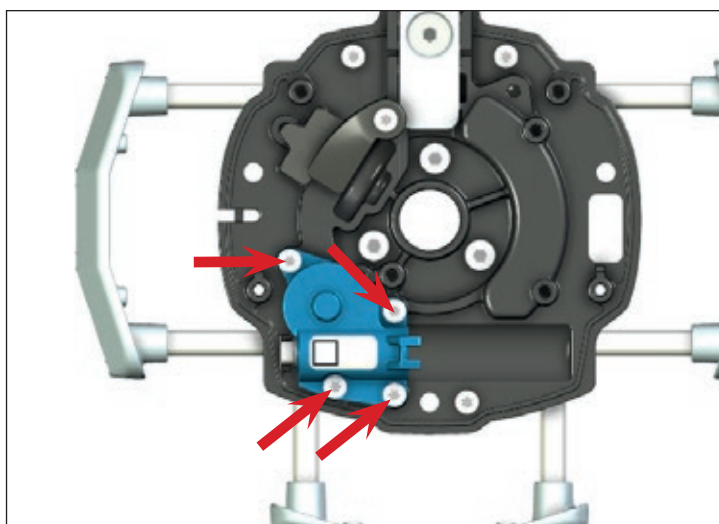
6. Assemble the drive cog wheel.

NOTE

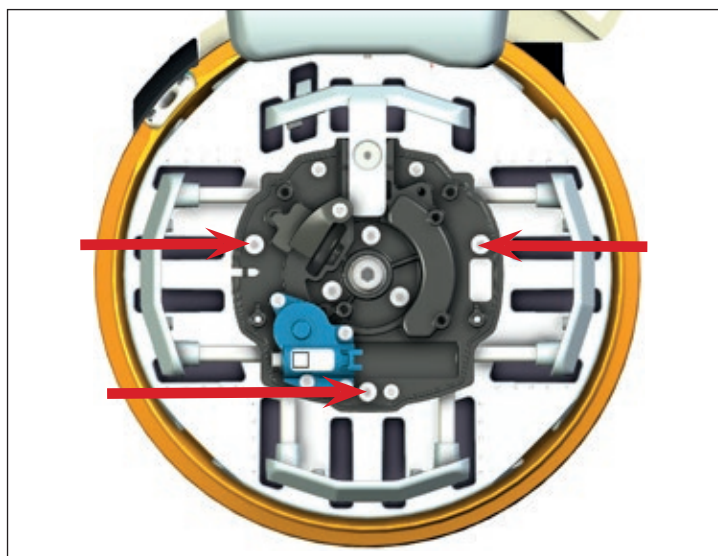
Make sure that the cog wheel is pressed down correctly into position.



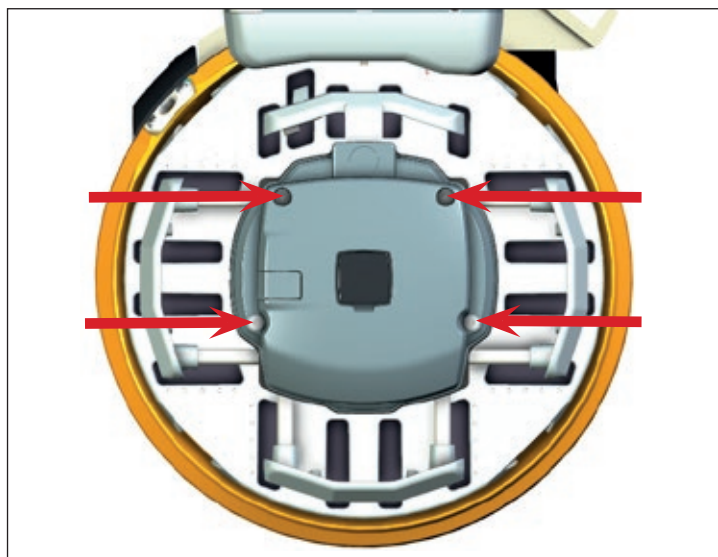
7. Assemble the drive suspension complete and secure with the 4 x screws (K30x8, 0.4Nm)



8. Assemble the spool-body on the feeder with the 3 x screws (M4x10, 1.3Nm)



9. Fit the front cover and tighten the 4 x screws (0.4Nm)



10. Adjust the distance between the stopper housing and the magnet finger to 1mm (A). Tighten the 2 x screws (B) (1.4Nm)

