



Supplement to Operation Manual

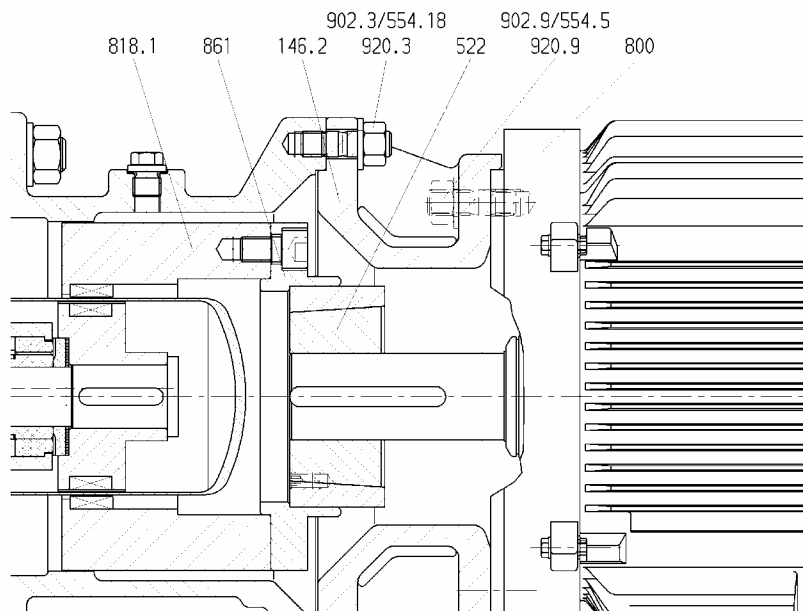
Assembly and Dismantling

US – NEMA - Motor

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1. Dismantling



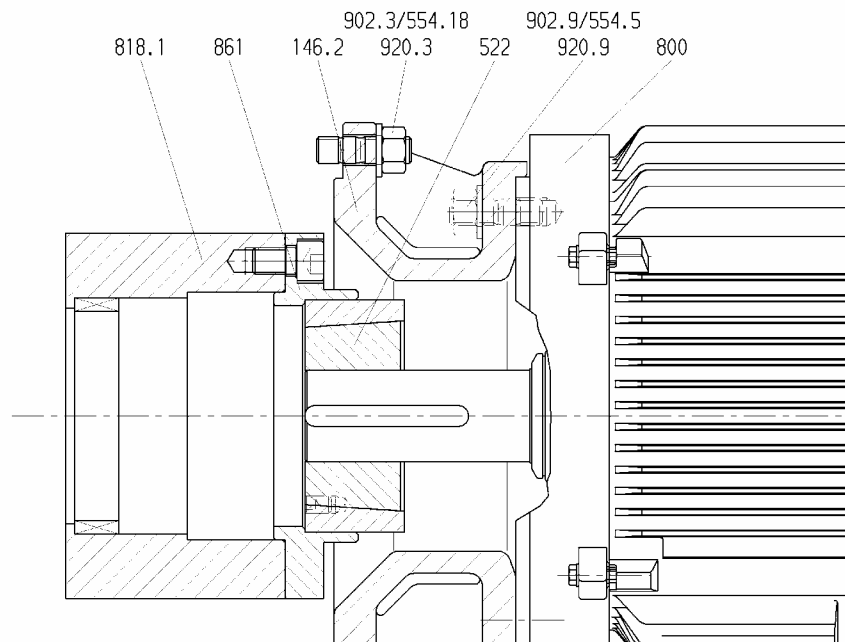
When using a US-NEMA motor by way of driving motor (part no. 800), the outer magnet carrier hub (part no. 861) will be secured on the motor shaft by means of a Taper-Lock fastening element (part no. 522). The two-part Taper-Lock fastening element comprises the inner fastening bush and the outer reduction sleeve.

Dismantling of the Taper-Lock fastening element is effected as follows:

- Place the pump in a horizontal position.
- Release all setscrews in the Taper-Lock fastening bush. Depending on the size of the bush, remove one or two grub screws, oil them and screw them into the removal holes.
- Evenly fasten the grub screw(s) in the removal hole(s) until the fastening bush is loosened in the reduction sleeve and comes off.
- Now, the outer magnet carrier (part no. 818.1) can be pulled off the motor shaft together with the outer magnet carrier hub (part no. 861).

2. Assembly

- Mount the motor lantern (part no. 146.2) on the motor and fasten to the motor by means of locking screws (part no. 920.9) and hexagon nuts (part no. 902.9).
- Place the motor in a horizontal position.
- Screw the grub screw(s) in the two-part Taper-Lock fastening element (part no. 522), however, do not tighten the screws yet.
- Insert the Taper-Lock fastening element in the outer magnet carrier hub (part no. 861) and push it on the motor shaft together with the complete outer magnet carrier (part no. 818.1 / part no. 861).



- Push the Taper-Lock fastening element on the motor shaft until it is flush with the motor shaft.
- Now tighten the grub screw(s) in the Taper-Lock fastening element.

Screw tightening moments for the Taper-Lock fastening element:

| Type | Torque |
|------|--------|
| 1610 | 16 Nm |
| 2517 | 40 Nm |

The torques indicated are applicable under consideration of feather key a in the motor shaft.