



## **KIT ATTUATORE ELETTRICO 12V**

**ECO150**

Electric actuator kit • Kit actionneur électrique • Kit elektrischer Aktuator • Juego actuador eléctrico

cod. Y08ECO15000 • Rev 10/2015

## **ELECTRIC ACTUATOR KIT ECO150**

For universal use 12V - P.T.O. drive

### **Electric protections**

According to the directives  
Electromagnetic compatibility (EEC95-54)

### **Electric characteristics**

Supply voltages = 12 D.C. Volts  
Absorbed current at room temperature of about 20°C = 11A

## **ELECTRIC ACTUATOR DISASSEMBLY FROM P.T.O.**

- Disconnect the connecting electric cable "1" of the actuator "2" (fig. 1).
  - Slightly loosen the screws "3", with the equipped key "6", to block the bracket "4" (fig. 1).
  - Rotate the fastening bracket "4" of about 180° (fig. 2).
  - After this operation, the actuator "2" is free, then pull it for extracting it (fig.3) and at the end of the stroke move it radially for removing it definitively (fig. 4).
- Replace the screws by the proper 2 screws "3" supplied with the kit.

Fig. 1

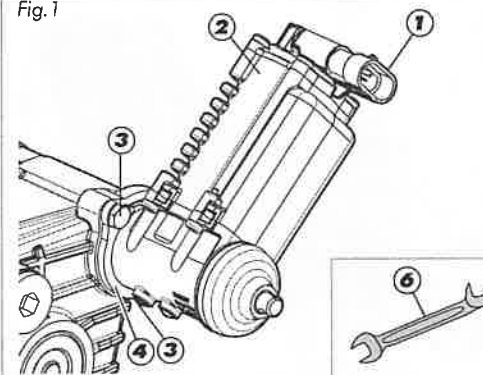


Fig. 2

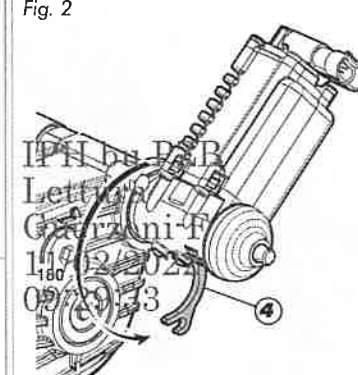


Fig. 3

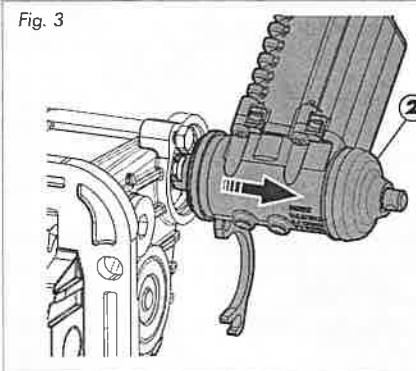
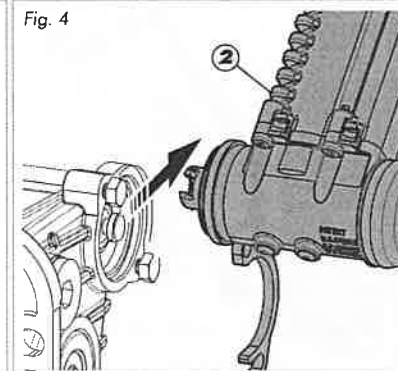


Fig. 4



## ELECTRIC ACTUATOR ASSEMBLY ON THE P.T.O.

- Check that the actuator has a sound seal "5" (otherwise replace it with a new OR-RING 2131 CO-1930), then introduce it radially on the P.T.O. rod (fig. 5) and push it completely in the centering seat (fig 6).
- Put the fastening bracket "4" in position, rotate it until it leans completely on the screws (fig. 7).
- Orientate the actuator for preventing the contacts with other parts (follow the original assembly orientation as much as possible).
- Tighten the screws "3", with the equipped key "6", at 7 Nm of torque (an incorrect tightening can compromise the working and cause oil leakages).
- Connect the connecting electric cable "1".

Fig. 5

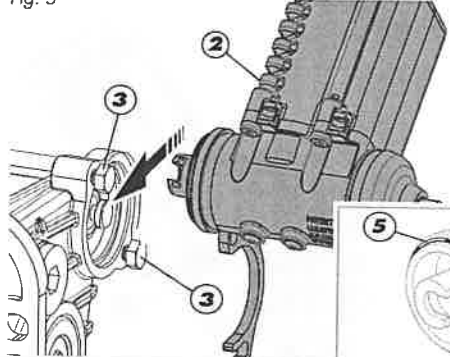


Fig. 6

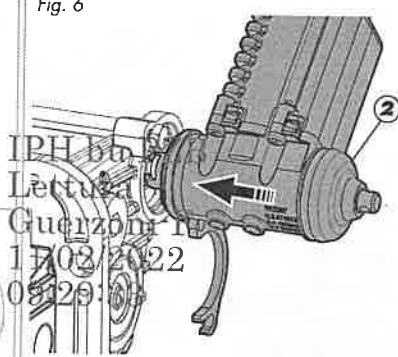


Fig. 7

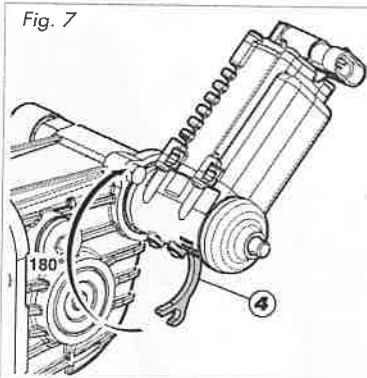
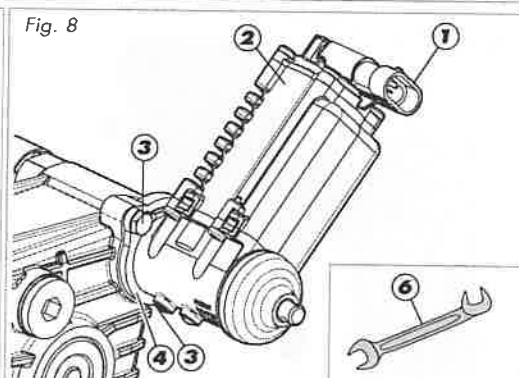


Fig. 8



**NOTE:** In case of replacement of the **KES05** with the new **ECO150**, the component "4" (supplied in the kit) should be also replaced.

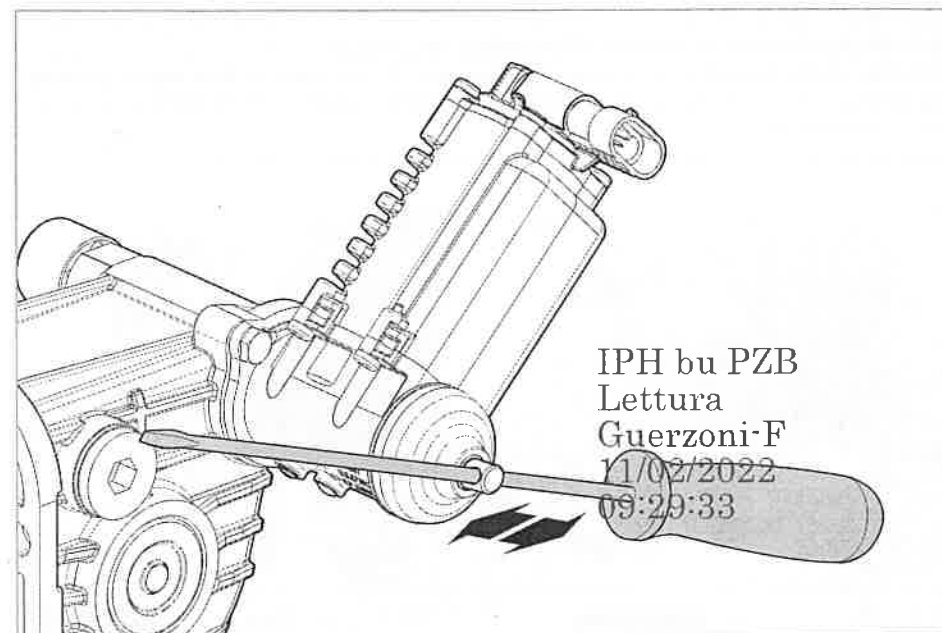


## NOTES AND MAINTENANCE



### Vehicle voltage check

**NOTE:** Before any operation, check that the working voltage on the vehicle corresponds to that one of the actuator used.



- In case of breakdown with blocked actuator, it is possible to end the engagement or disengagement operation in any case, acting on the actuator perforated rod by hand. Introduce a pin into the actuator rod hole and engage or disengage the P.T.O. pushing or pulling by hand.
- Periodically check the soundness of the rubber guard, if damaged replace it. Working with a damaged guard reduce the actuator life strongly.
- The manufacturer's guarantee will automatically expire in case of component tampering.