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Instructions E-Sport series hose reel traveler

(Version 9-1-2018)



IRRILAND SRL

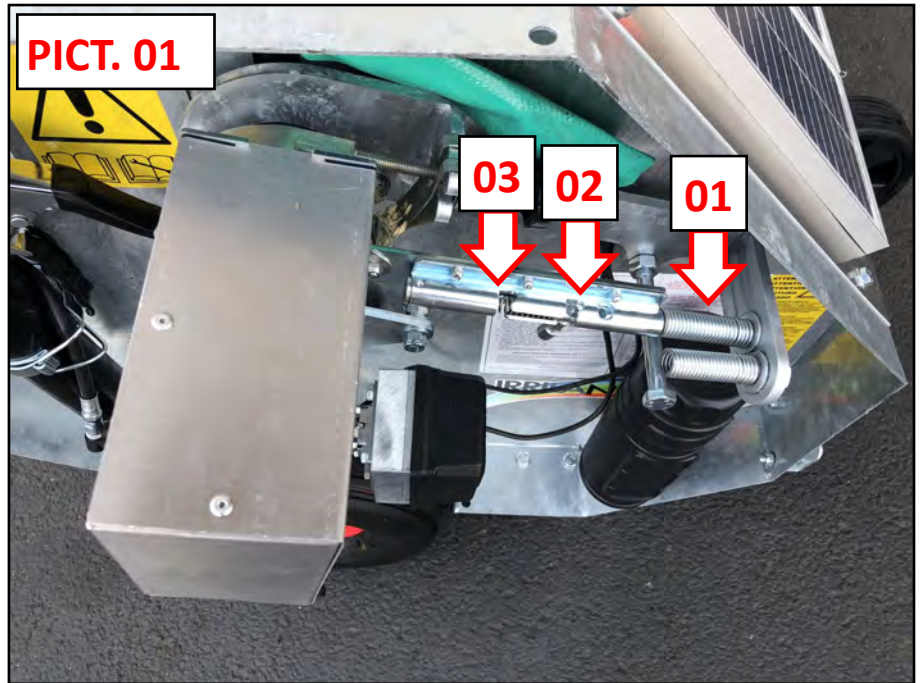
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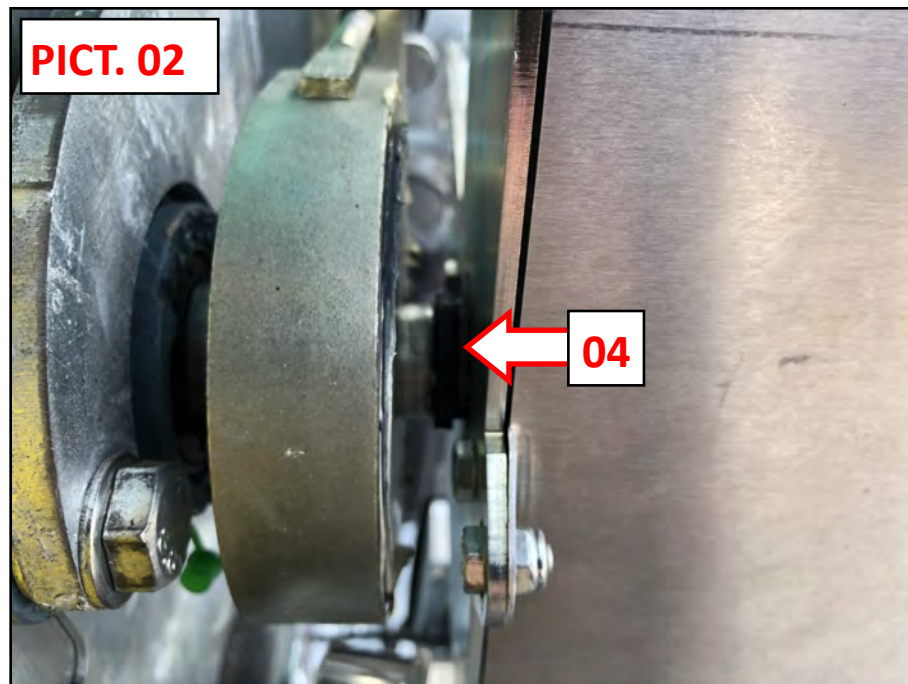
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When you receive the hose reel, turn the switch to "0" as shown in pict. 05, install the motor, and place the latch in the inner spring as shown in pict. 01, with the latch in position 02.

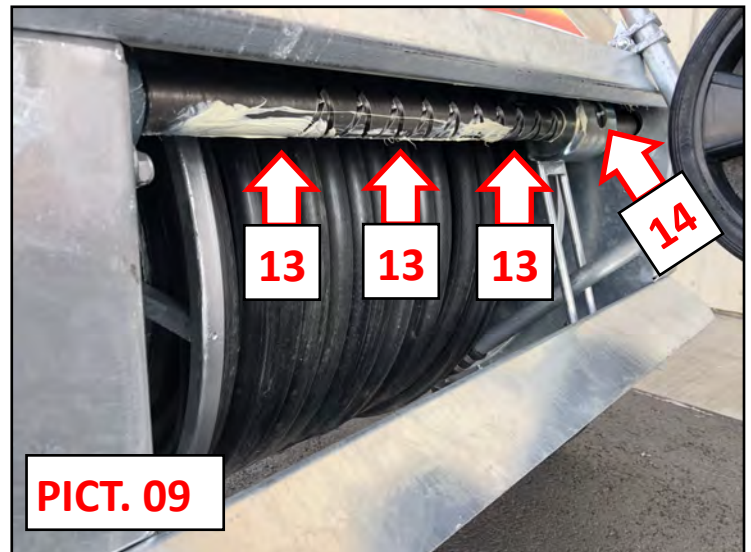
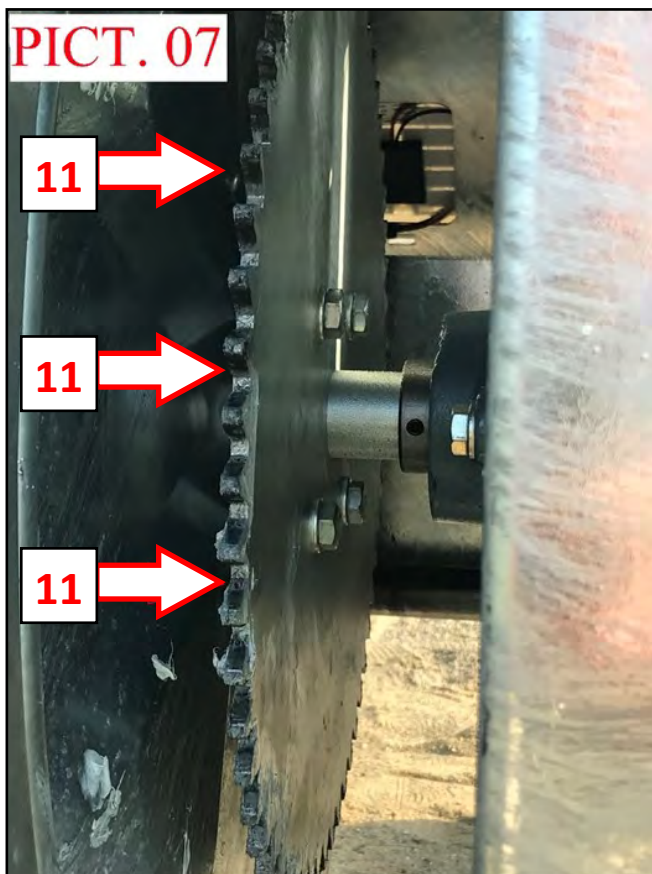
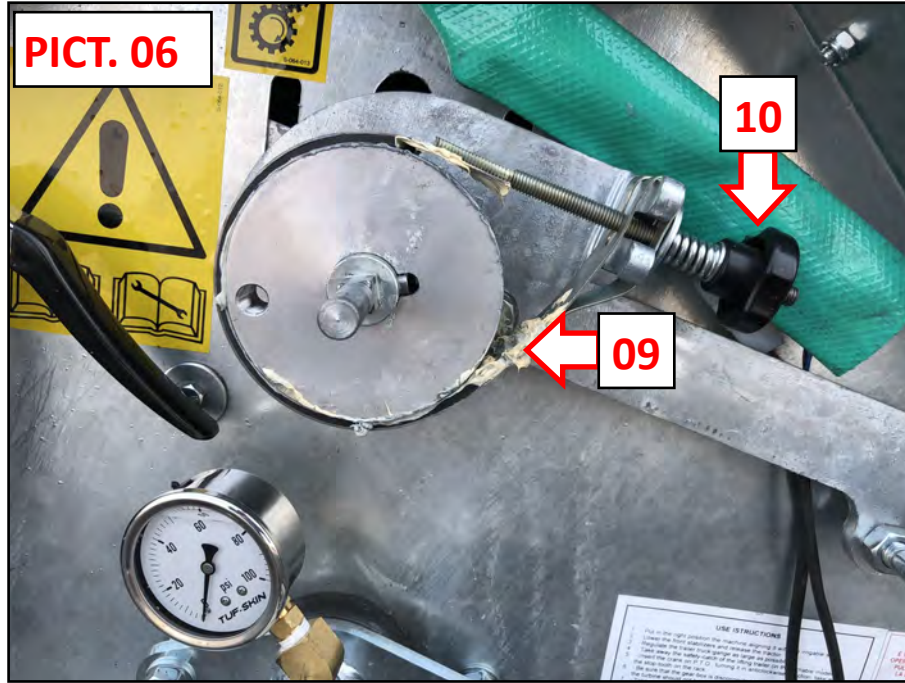


When the latch in pict. 01 is in position 02 and is inserted into the inner spring (01), the electric motor is engaged. This is the right position when irrigating and in transport position.



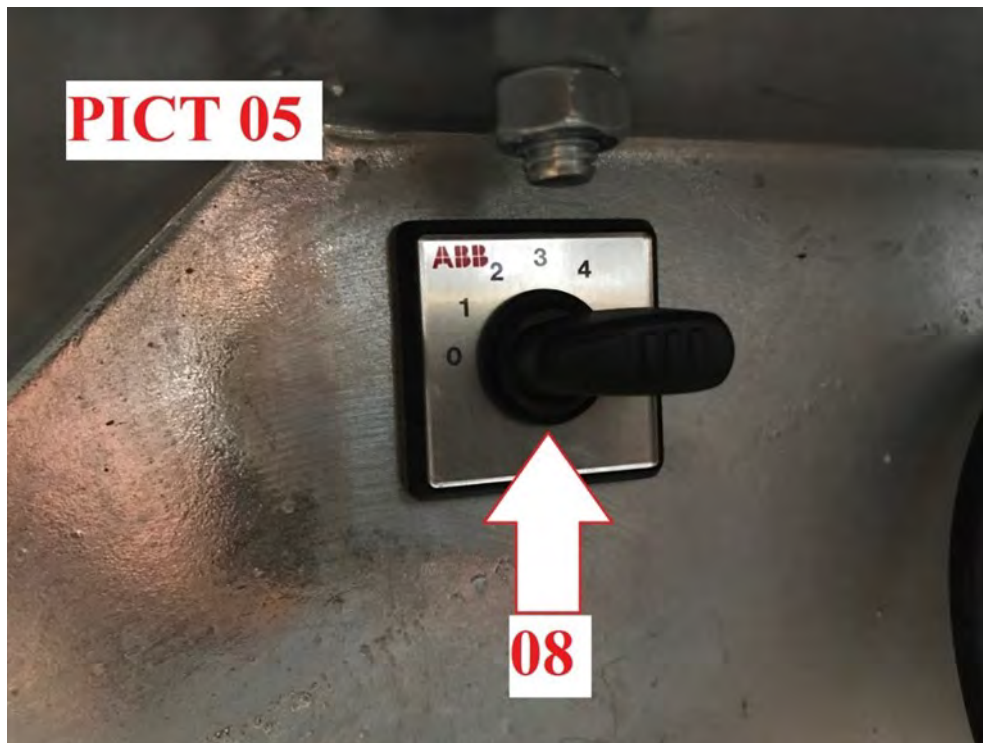
When the motor is engaged, the bracket flange on which it's mounted is very close to the brake drum, and the motor is on the square part of the drive shaft: pict. 02 position 04.

The brake shown in pict. 06 is set extremely tight for shipping. After engaging the motor, loosen the brake by turning the knob (10). The brake will prevent the hose from unspooling uncontrollably when pulling out the hose. Adjust to suit your situation. Add grease to the brake at position 09, the crown gear in a few places at position 11 in pict. 07, and the level wind screw (scroll bar) in pict 09 at position 13 (the whole length) and the grease zerk at position 14. To access the scroll bar, pull the draw bar down to the ground.

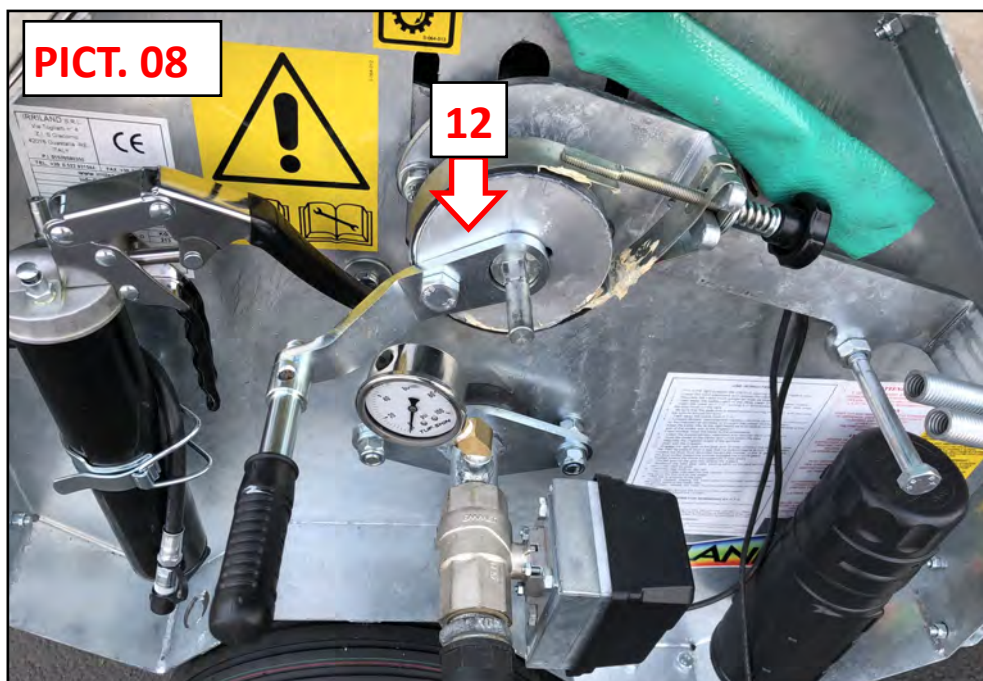


When the machine isn't irrigating, during shifting, and during shipping, the switch in pict. 05 position 08 has to be set to "0" (the off position).

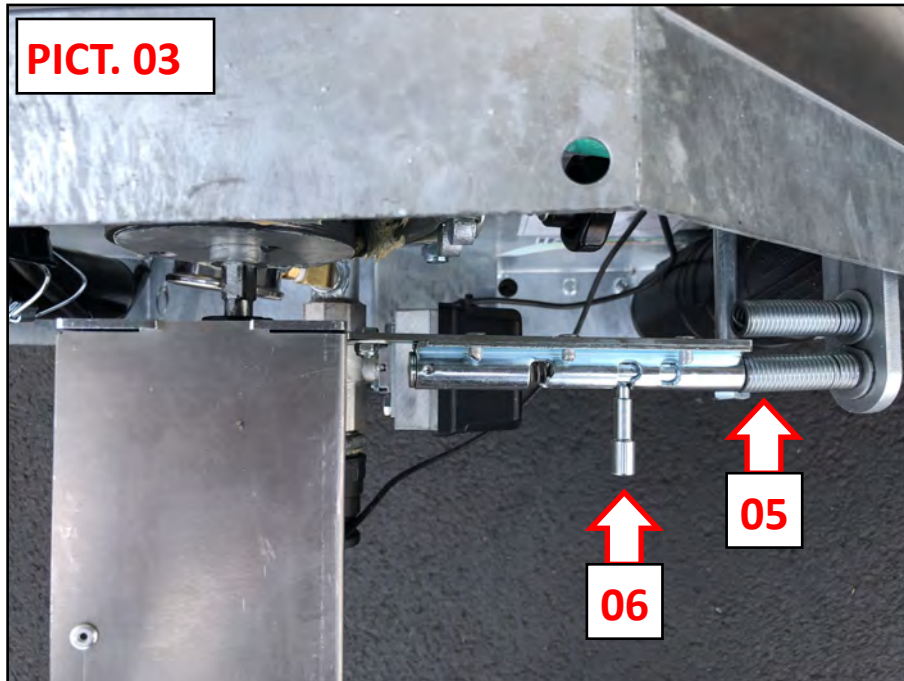
Attention: if you set the switch in a different position when the hose reel can't rewind the polyethylene hose, you'll cause damages to the hose reel and/or motor.



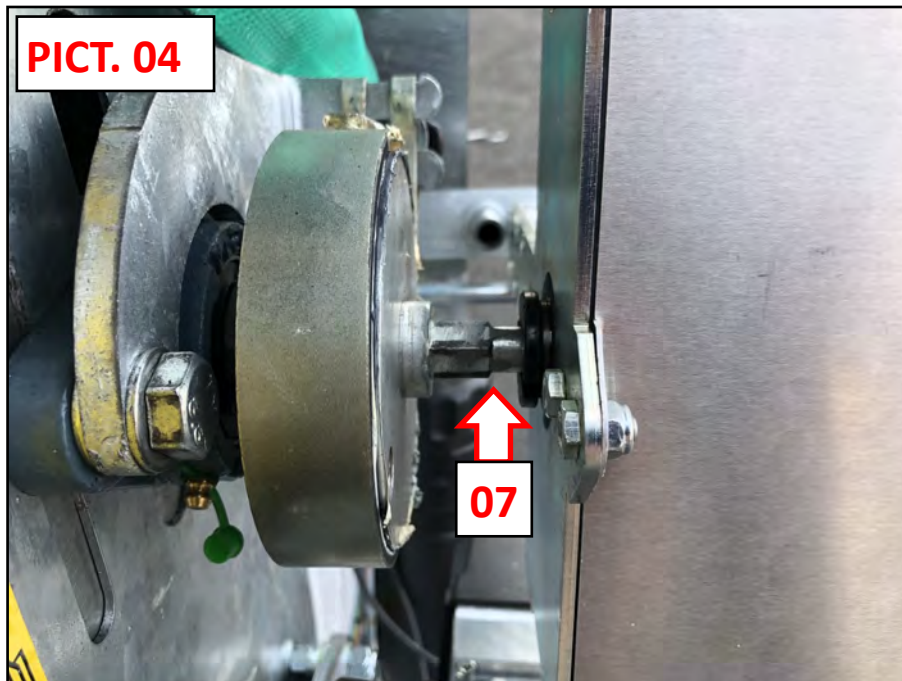
For emergency manual retraction, remove the motor and install the hand crank onto the brake drum as shown in pict. 08 position 12.



Before pulling the polyethylene hose out into the field, disengage the electric motor by taking the latch in pict. 03 out of the engagement spring, pull the motor outwards a little, and put the latch into the outer spring (05). Pict. 03 shows the motor in the disengaged position. Note that the motor is on the round part of the drive shaft.



While pulling the hose out, the motor remains disengaged as shown in pict. 04 position 07: There is space between the motor support flange and the brake drum, and the square part of the shaft is not inside the motor.



Warning: if you don't disengage and turn off the electric motor before you unwind the polyethylene hose, you'll almost surely break the electric motor!

Operation summary:

Before towing the machine to the field, check that the switch is in position "0" (pict. 5 pos 08) and that the motor is engaged (pict. 02 pos. 04 and pict. 01 pos. 01/02)

Tow the hose reel to the field with a tractor, a 4 wheeler, or other vehicle.

Position the machine where you want to place it and align the machine with the unrolling direction of the polyethylene hose. A wrong alignment will surely lead to winding problems.

Disengage the electric motor by pulling it outwards (pict. 4 pos.7) and at the same time put the latch pict. 3 pos. 6 in the fixing point pict. 3 pos. 5.

Check that the brake is lubricated and/or lubricate it (pict. 6 pos 09).

If necessary, adjust the brake by turning the knob (pict. 6 pos. 10).

Check that the crown is lubricated and/or lubricate it (pict. 07 pos. 11)

Adjust the throw sector of the sprinkler.

Pull the sprinkler cart and hose out and unwind the polyethylene hose slowly (walking pace), taking care to maintain a constant speed and slow down smoothly before stopping. Pull the hose out straight from the machine, not at an angle or in a curve.

The first pull should be a "full pull" leaving only a couple wraps of hose on the drum.

Engage the electric motor by pushing it towards the machine, onto the square part of the drive shaft, and changing the position of the latch as shown in pictures 1 and 2.

Connect the supply hose to the machine inlet and to the water supply source taking care to check that there is no pressure in the system and that the hydrant is closed.

Open the hydrant a little (or operate the pump at low speed) while waiting for the polyethylene hose to fill up and for the sprinkler to start spraying water.

When the throw is constant (when no more air comes out), set the winding speed with the switch pict. 05 pos. 08 according to the following scheme:

Switch pos. 1 >> very slow speed >> heavy irrigation

Switch pos. 2 >> slow speed >> medium irrigation

Switch pos. 3 >> medium speed >> light irrigation

Switch pos. 4 >> high speed >> very light irrigation

During the first run, check the timing of the guide fork and ensure that the hose is wrapping up correctly on the drum. Adjust the timing if needed.

- At the end of the winding, remember to turn the switch to "0" and follow the instructions as listed above.

Automatic water shut off option:

If the machine is equipped with an electric ball valve on the inlet, it will open when the sprinkler cart is pulled away from the machine and the stop bar springs out. It will close when the sprinkler cart returns to the machine and pushes in on the stop bar. If you want the water to stay on when the cart comes in, unplug the electric ball valve when it is in the open position.