

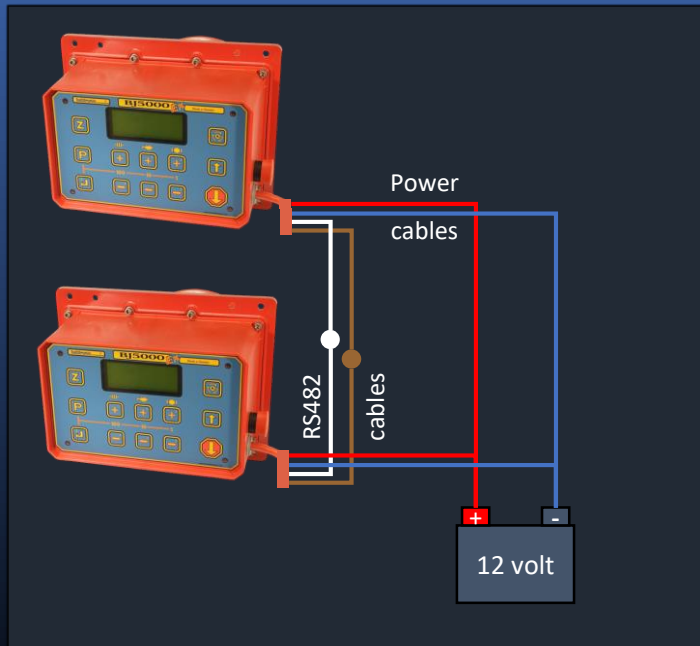
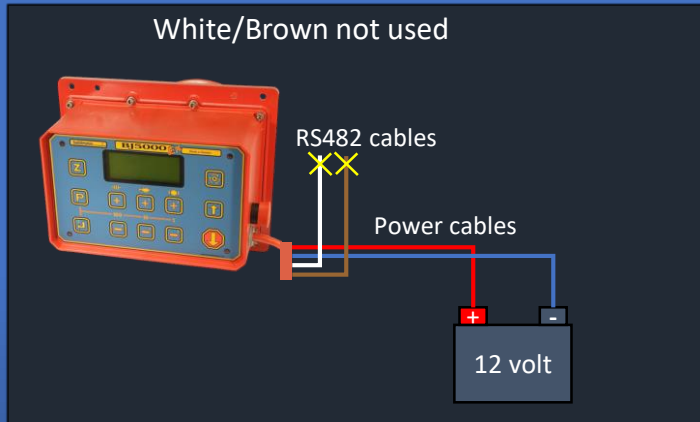
Quick start manual with trouble guide BJ5000 Ex.



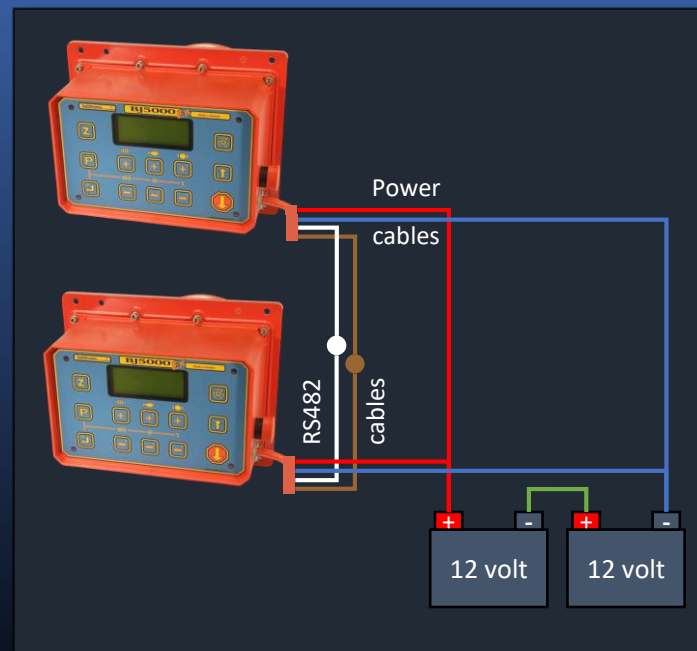
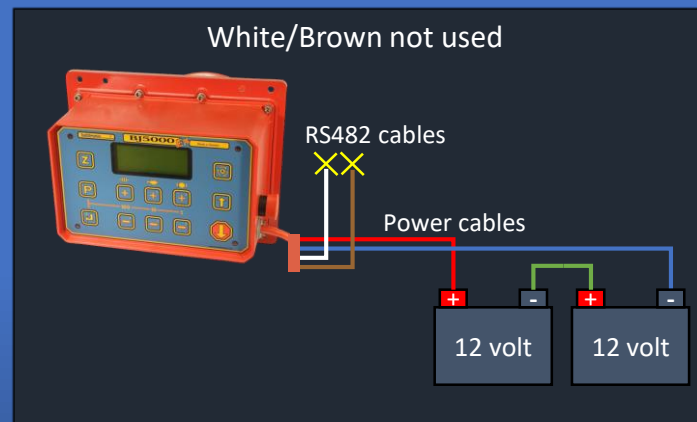
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Electrical installation

12 volt DC system



24 volt DC system



No communication
between machines

The diagram shows 4 different electrical installations. 12 or 24 volt DC system with or without communication cables (White and Brown)

It is important that all of the machines are connected to same battery system. The battery system must also be able to handle (receive) charging current from an alternator/generator such as a normal Car or Boat acid/lead battery types. Newer battery types also exist today, but they must be chargeable. This is because the BJ5000 Ex machine generates current when wheel/motor is turned backwards. This generated current must be sent back to the battery system, or else the machines will get damaged due to high voltage.

If using only one machine or if no communication is needed, isolate the Brown and White cables.

When communication is needed, connect all Brown cables together. Connect all White cables together.

If extension of the power supply cables is needed above 20 meter. The cross area needs to be increased from 4x2,5 mm² to 4x 4mm² or more. Indication of undersized cable is the Warning message in display with sounder beep, or if machine restarts.

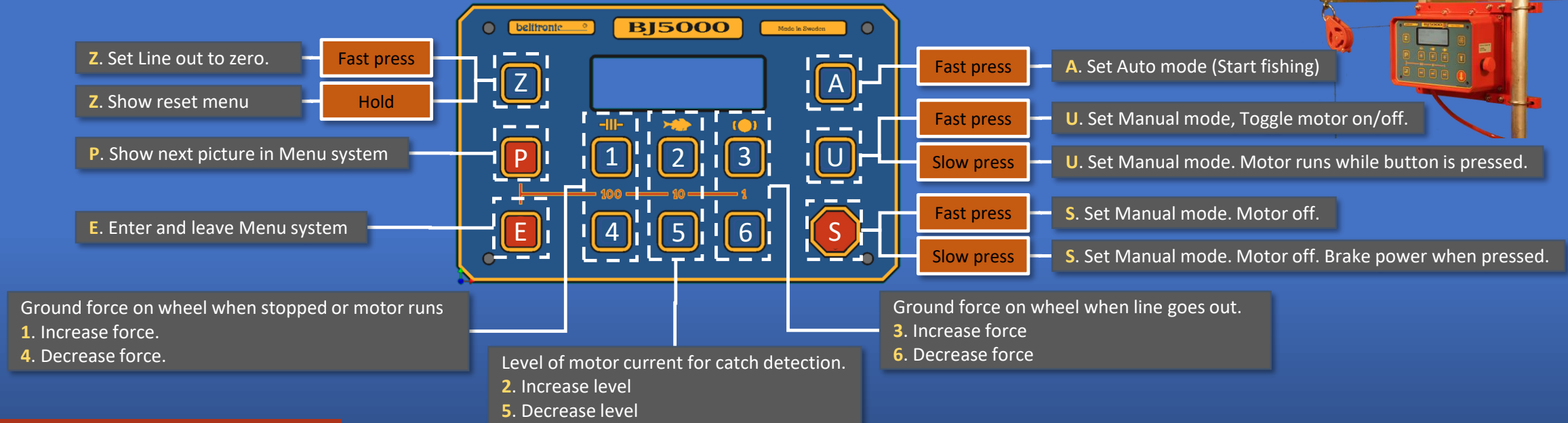
Communication
between machines

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Basic setup before fishing

Button functions and labels in manual



Prepare the Counter for correct display of Line out

- Set line measurement unit.
 - Press [E] to enter Menu system
 - Press [4] for WHEEL settings.
 - Press [3] for COUNTER settings.
 - Use [3][6] to select Meter, Fathoms or Feet.
- Set correct motor/wheel direction (continue from above)
 - Press [P]. This shows Counter Direction.
 - Press [U]. Motor starts. Note motor direction.
 - Press [S]. Motor stops.
 - If direction of wheel is incorrect press [3][6] for changing direction. Repeat Start and Stop again to check rotation. Never change direction when motor runs.
- Set numbers of magnets in wheel. (continue from above)
 - Press [P]. Shows Wheel sensors.
 - Press [Z]. To clear the counter.
 - By hand rotate wheel exactly one lap.
 - Note what the counter in upper right corner shows ?
 - Press [P]. Shows Wheel magnets.
 - Use [3][6] to enter same value as counter showed from last picture.

Spooling line on wheel

- Adjust Drag to 10-20% using [1][4]
- Attach the end of line to wheel.
- Start the motor by [U].
- Stop motor when enough line is on wheel.
- Attach hooks and a sinker at end of line.
- Press [Z] to set "surface" stop point.

Adjust fishing line

- Use the [U] and [S] to start and stop motor. Hold [S] to let line out. Press [Z] to set stop point.

Start fishing.

- By Pressing [P] several times the main values for the selected program will show. Most common is to adjust the Fishing depth and Jig length, but fishing programs contains more settings, use [P] to step to next and [3][6] for minor adjustments. [2][5] for +/-10 and [1][4] for adjust +/- 100.
- Pressing [A] will set machine in Auto mode and start fishing.

BJ5000Ex can detect catch in five ways, by....

- **Motor current.**
 - High motor current.** When motor current exceeds Catch [2][5] for more then 1 second (Catch time up [E3]) machine temporarily gets into Catch mode (if used), followed by Hauling up mode to surface.
 - Low motor current.** Fishes, line tangle or lost hooks can result in too low motor current. See [E141]
- **Wheel movement.**
 - Time down** [E3P] Is used to detect catch when wheel goes too slow out.
 - Speed brake** [E3PP] is used to detect catch when wheel goes too fast out.
 - Wheel laps** [E3PPP] is used when wheel is pulled out by fishes backwards.

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Fine tuning Ex during fishing.

Fine tuning BJ5000Ex

➤ Catch

- If Ex registers catch on motor current too easy.
 - Increase **Catch** [2]
 - Increase **Catch time up** [E3]
- Ex registers catch when line is pulled out or line slackens.
 - Increase **Brake** [3]
 - Increase **Catch by wheel laps** [E3PPP].

➤ Line does not go down to set depth.

- Catch depth memory might be activated that temporarily sets a new depth.
 - Press another time on [A] button within 1 second, or
 - Disable "Cooperation" [E651 PPP] (Permanent solution)
- In Bottom fishing, increase **Bottom timer** [PPP PP]

➤ Wheel starts too slowly or goes out slow.

- Use **RP pulses** by setting [E45 PP] to 1,2 or 3, or more.
- Decrease **Brake** [6]
- Increase sinker weight. Normally 2-4 kilo, in Mackerel fishing 5kg.

➤ Line hits bottom, but slacks too much.

- Increase **Brake** [3]. If wheel then moves too slow, activate **RP pulses** [E45 PP] to 1,2 or 3 and maybe add some sinker weight.
- In Bottom fishing, decrease **Bottom timer** [PPP PP]

➤ Line goes down but wheel never stops.

- Make sure no "-" (minus) character in display shows in front of the value **LINE OUT**. In this case the counter counts wrong way. Change **Direction** [E43P]. This also changes wheel rotation direction.

➤ Line goes down, but does not start Jig.

- In bottom fishing, too long **Bottom timer** [PPP PP] will delay the Jig start.
- Except in bottomfishing the fishing line must be pulled out more then set **Fishing depth** before Jig starts. Exception is when **Catch down** is used.

➤ Line does not stop when Line out shows 000.

- If **Stop at zero** [E441] is "Off" the wheel will continue to pull indefinitely. Intended for the line to be mechanically stopped.

➤ Line goes out too fast

- Increase **Brake** [3]. (Constant brake)
- **Speed brake** [E51] can slow down the wheel when it starts to rotate too fast.

➤ Line has too high speed when reaching fishing depth.

- Increase **Brake** [3] to constant apply more brake force, but if this slows down the line speed too much use **Depth brake** [E52] for extra brake force just before line reaches set fishing depth. (Using bottom fishing this will not help when searching bottom)

➤ Ex Catch LED blinks and sounder beeps

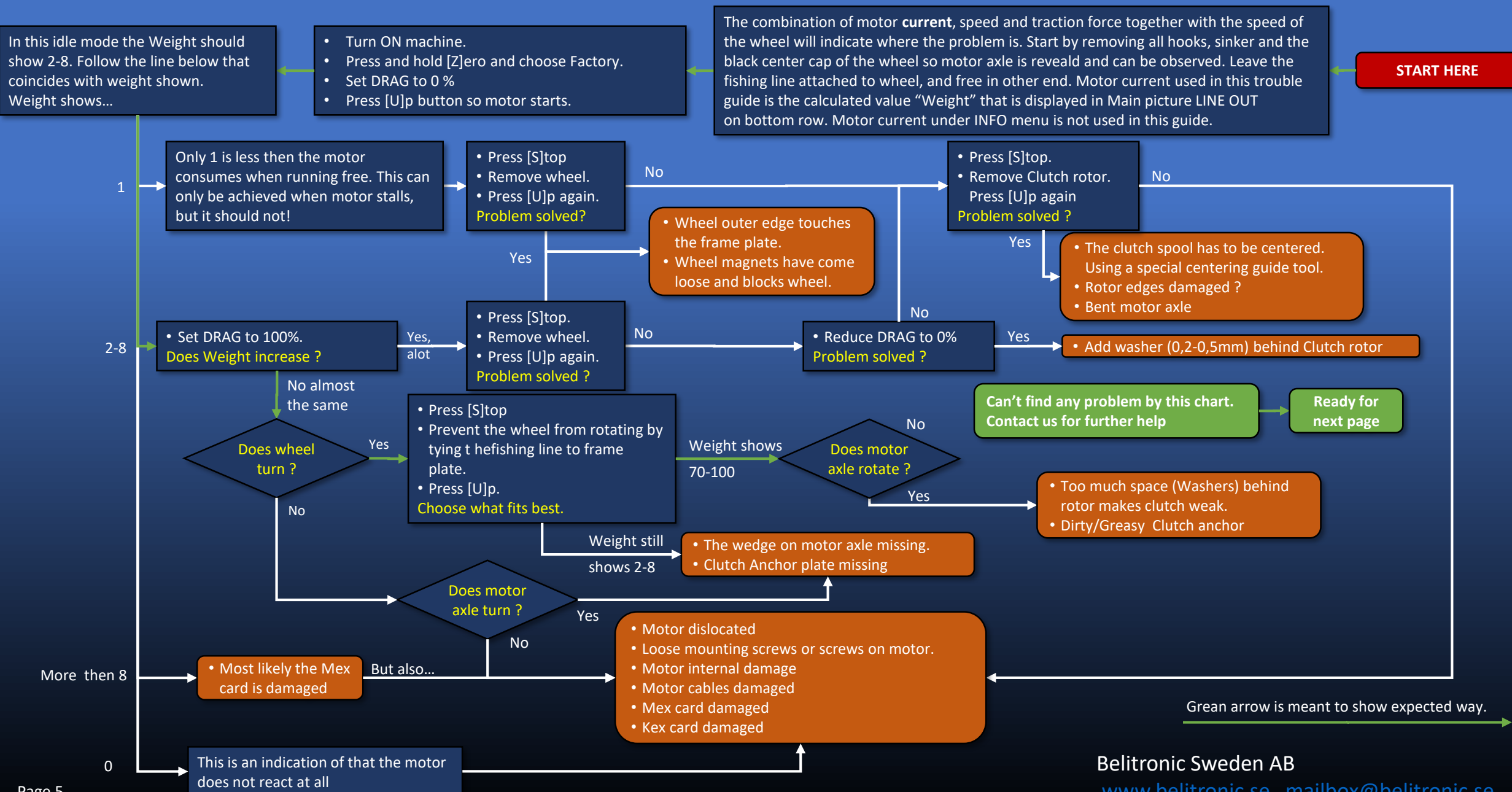
- Ex has 5 ways to register catch (see page 3). To know which sensor that triggers catch the option to display **Wheel status** [E615 P] is a good help in understanding whats going on with the motor and wheel. This enables symbols and texts in main picture **Line out** that can be of help, when having problems.



Button functions and labels in manual

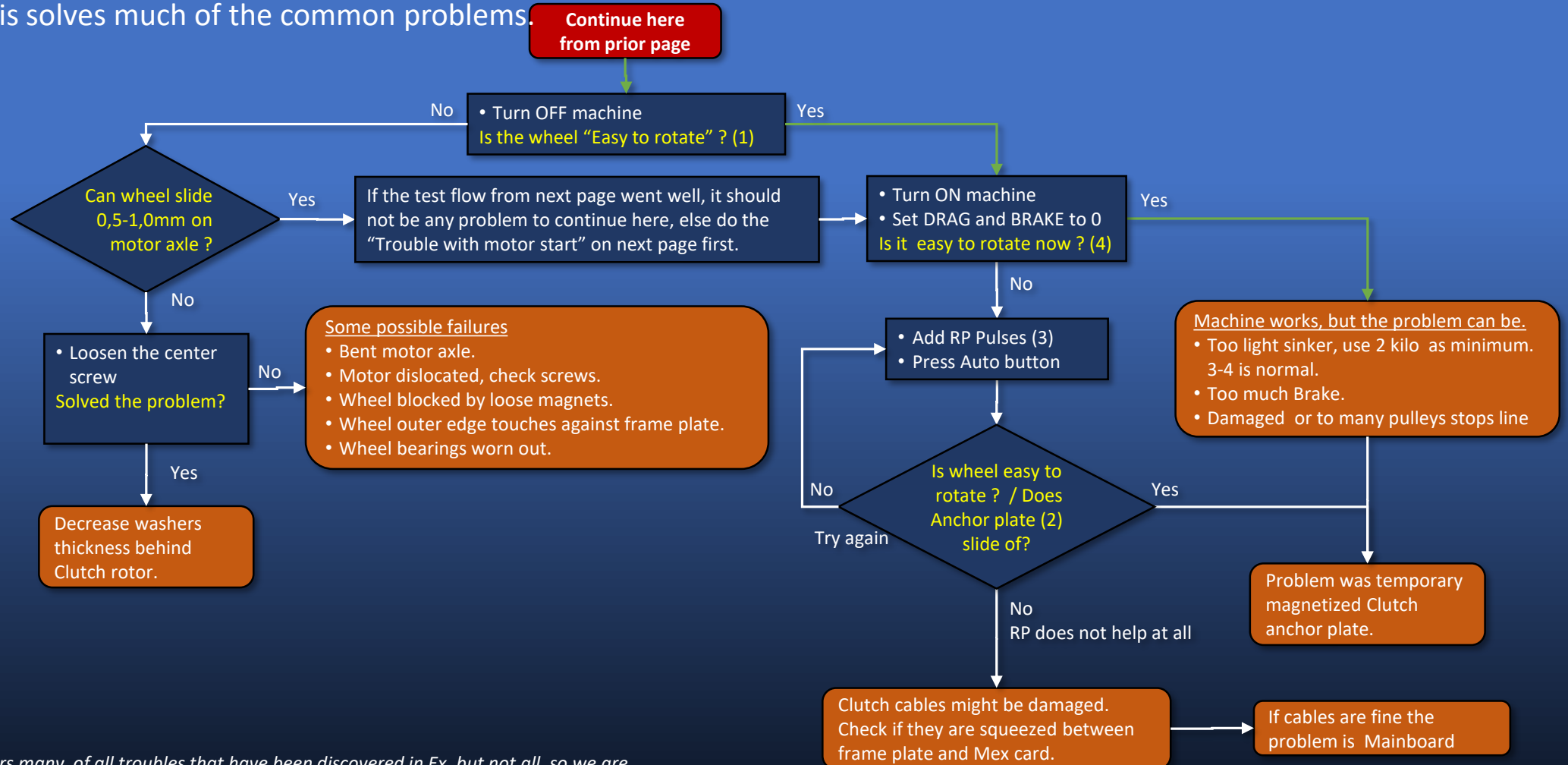


Flow chart to solve troubles when motor does not start. (Complete this flow without problems before next page)



Flow chart to solve problems when the wheel goes too slow out or does not pay out line at all

Please first follow the Trouble guide on prior page first and make sure it passes, before following this one. This solves much of the common problems.



This flow chart covers many of all troubles that have been discovered in Ex, but not all, so we are happy to receive feedback for keep it up to date, if Your case doesn't get solved by it.

- 1) "Easy to rotate" means that user can rotate the Wheel or Clutch rotor by hand without much force
- 2) Clutch anchor plate is the "disc" between the clutch rotor and wheel that transfer the motor torque.
- 3) Activate RP (Reverse Polarity Pulses) by setting Pulses=3, Puls time=0,1, Puls pause=0,1, Strength=50%. See user manual chapter [E45]
- 4) The motor is always easier to rotate one way compared to the other.

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