



How To...

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MOTOR CHECK

The machine uses an electrical motor that draws a great deal of amperage. If the motor isn't running then the following steps should be followed.

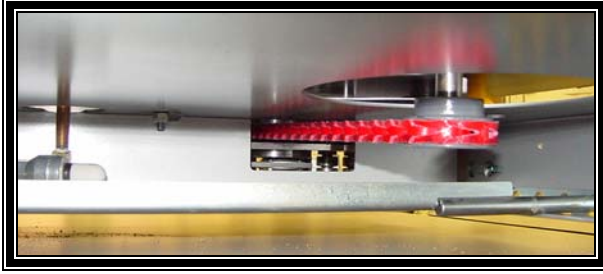
SOLUTION STEPS:

1. Switch off the machine, make sure that it is plugged in. The machine should not be powered through an extension cord of more than six feet.
2. Switch the motor back on.
3. If the motor doesn't activate then try hitting the reset button on the side of the motor housing.

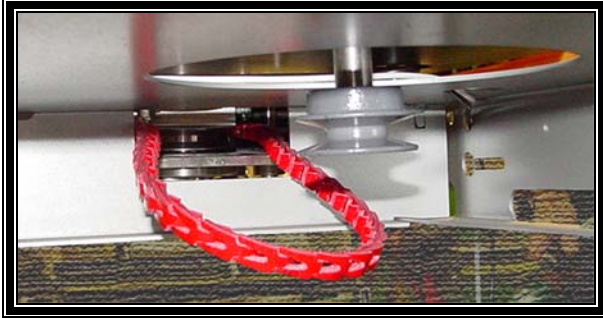


4. Open the rear of the machine and locate the pulley with a good light source.

5. Make sure that the pulley at the bottom of the motor shaft is spinning



6. If the pulley is not spinning, check the motor shaft to make sure that it is spinning.



7. If the above steps do not resolve the issue, then please contact Castle, Inc.



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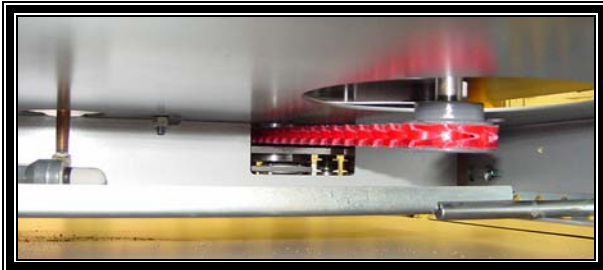
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CHECKING THE TENSION ON THE BELT

If the head significantly slows down or stops while you are drilling, then you may need to check the tension on your belt.

TESTING PROCEDURE:

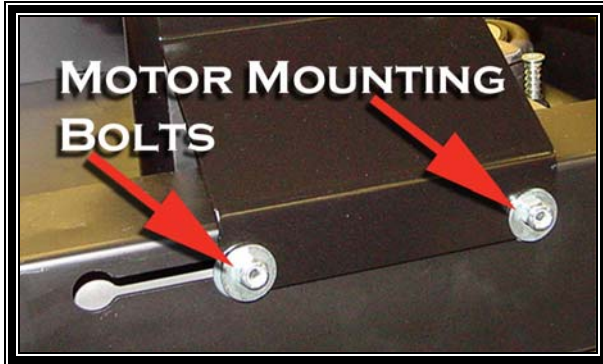
1. Make sure the machine is unplugged.
2. Reach through the rear of the machine and test the tension on the belt by squeezing it together.



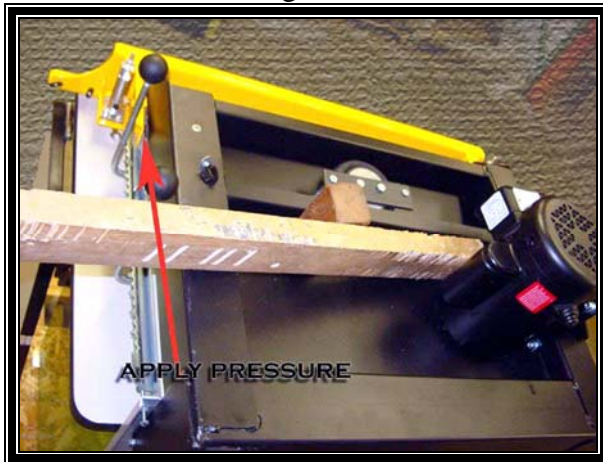
3. It should be very difficult to get the belt sides to touch each other. If it is relatively easy to get the sides to touch then the belt is too loose.

SOLUTION STEPS: You will need another person to complete these steps.

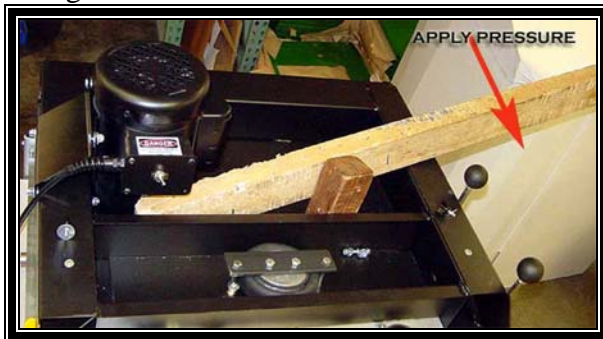
1. Using a wrench, **LOOSEN** the four 5/16 carriage bolts that hold the motor and motor bracket in place. **DO NOT REMOVE** these bolts.



2. Use a 2x4 as a wedge and a 4x4 as a fulcrum.



3. Stand in front of the machine and pull the 2x4 towards your body in order to create enough tension on the belt. Do this while someone else tightens the four carriage bolts.



4. Once the bolts are tight, test the belt tension through the rear of the machine again and drill a set of test holes.

5. Repeat these steps, if necessary, until there is enough tension on the belt.