

E1 Troubleshooting

Do this as a first step before each scenario below

Check running belt movement – with the tread power OFF check the running belt rotation/movement using one foot to accelerate the belt briskly by pushing it in the normal direction and determine if it moves freely without any grinding, rubbing, or other abnormal noises.

If the running belt does not move freely or coast briefly after accelerated manually as above, the condition must be identified and corrected before treadmill is powered.

Check motor shaft/flywheel rotation for binding or grinding, check belt alignment and tension, check rotation of front & rear rollers, check running belt for binding, pinching, obstructions, etc., and verify running belt/deck has adequate/appropriate lube.

Does the tread error out with “E1” at start-up with little to NO belt movement?

Does the tread error out with “E1” after start-up with belt movement for only 10 seconds?

Does the tread error out with “E1” after shut down of belt movement at various times into workout routine?

Does the tread error out with "E1" at start-up with NO belt movement?

1. If the operator is standing on the running belt at start-up the tread must be started with no load on the running belt and the speed must be increased above 1mph to 2mph immediately after start-up. If this corrects the error and tread will otherwise run properly it is likely VR1 potentiometer on the MCB is not adjusted correctly.

VR1 setting should be near middle of its range to provide non-stalling and steady non-jerky belt movement at .5mph to 1mph with user on running belt. Try adjusting VR1 and walk on tread to test out

2. If the tread will not start at all with no load on running belt and all checks in item 1 above are fine, check all MCB wire connections are securely connected/plugged in and verify no pinched or cut wire/cable connections.

3. Check console cable connection at MCB and user assembled locations for being securely connected/latched and verify cable is not pinched or cut anywhere along the cable length. Cable must be plugged in for console to get power and turn ON, but if RPM or PWM wires within cable are cut or not connected tread will error out with "E1".

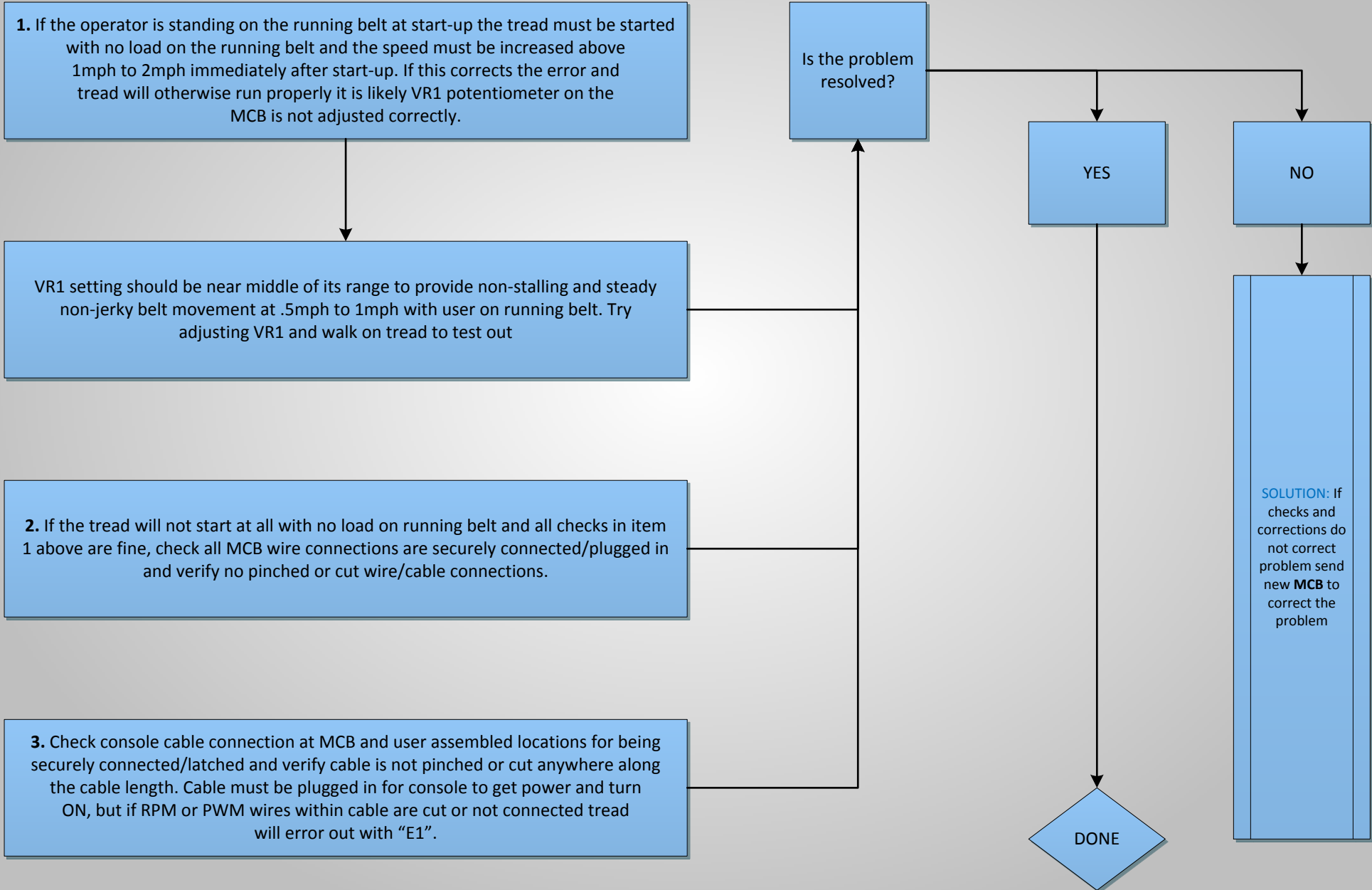
Is the problem resolved?

YES

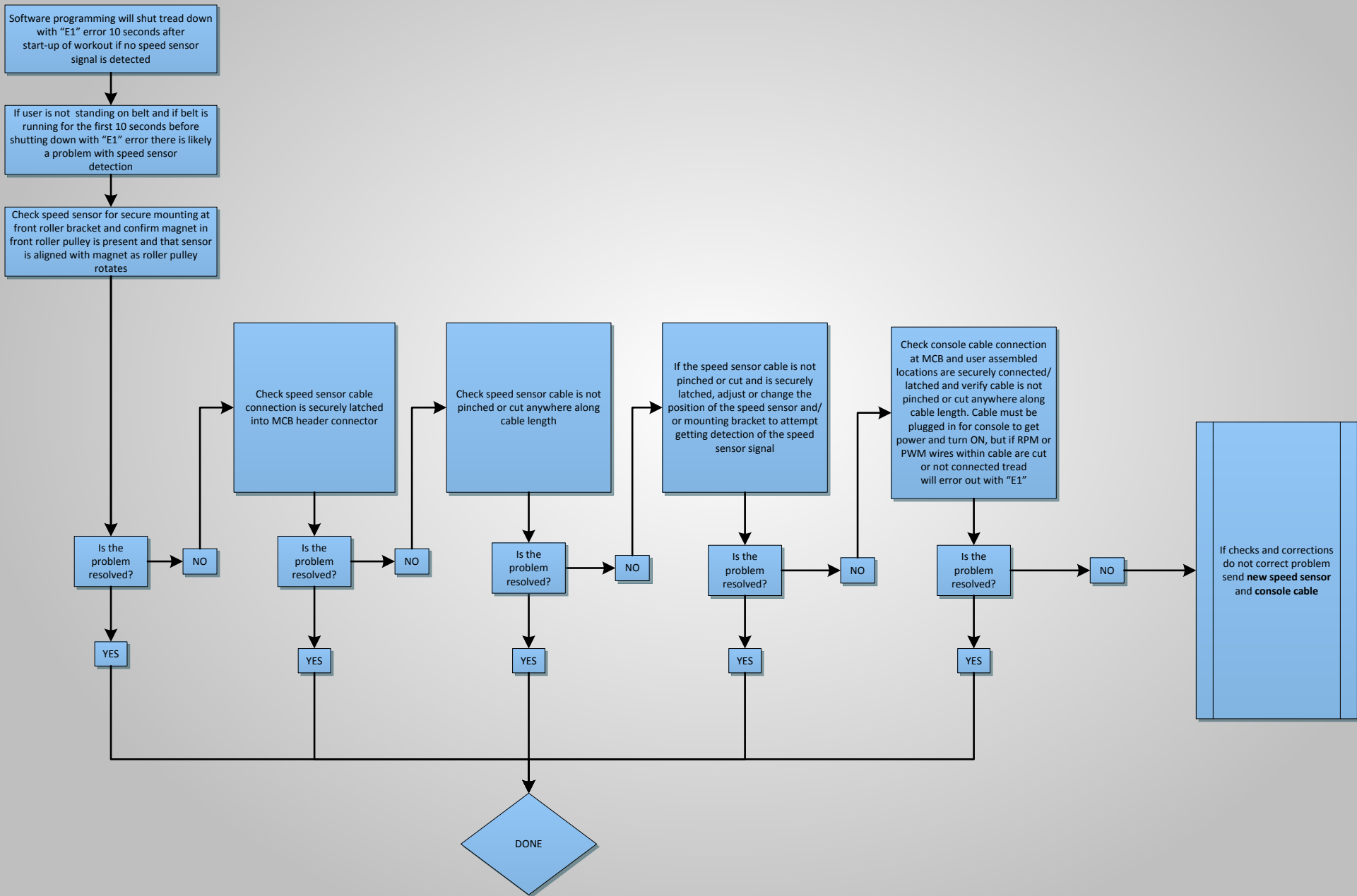
NO

SOLUTION: If checks and corrections do not correct problem send new MCB to correct the problem

DONE



Does the tread error out with "E1" after start-up with belt movement for only 10 seconds?





Does the tread error out with "E1" after shut down of belt movement at various times into workout routine?

Software programming will shut tread down with "E1" error 3 seconds after loss of speed sensor signal when in workout routine

This could be due to faulty speed sensor detection, faulty MCB motor drive function, intermittent cable connections (including console cable), possibly a defective belt drive motor, or something causing too great of load (too much belt rotation resistance) on MCB.

Check running belt/deck for adequate/appropriate lube, should have ample film of silicone across entire deck running surface. Apply additional lube if questionable. (NOTE: Should not have any wax evident on deck or contamination is an issue.)

