

## SERVICE BULLETIN

### Shorted RPM Sensors

Applies to: 10G Stepmill (9-5285 + 9-5295), 10TRx (9-9271 + 9-9274), 8TRx (9-9201 + 9-9204 + 9-9251 + 9-9291 + 9-9294) 8TR (9-9281 + 9-9284), S-TRc (9-3581 + 9-3582)

Recently there have been reports of RPM sensors (560-0069) causing problems on the 10G Stepmill and Star Trac commercial treadmills. Upon inspection, these sensors were found to be shorted.

It is important to know the symptoms of shorted RPM sensors as it is not obvious that the sensor is the source of the problem.

#### 10G Stepmill

The console may show an LCB COM LOST error. When inspecting the LCB, there may be an electronic burning smell and/or damage to one of the components on the LCB board. Note: Damage to the components may not always be visible.

Solution: Should you suspect a shorted RPM sensor on a 10G, **replace the LCB and RPM sensor at the same time**. DO NOT plug the suspect RPM sensor into a new/known good LCB as this will cause the LCB to fail.

#### Treadmills

There may be issues of the console not powering on. When observing the MCB, there will be no LEDs (lights) lit on the board. It will appear as if the MCB is not receiving any power. When the RPM sensor is disconnected from the MCB, the LEDs will turn on and the console will power up as well.

Solution: Replace the RPM sensor.

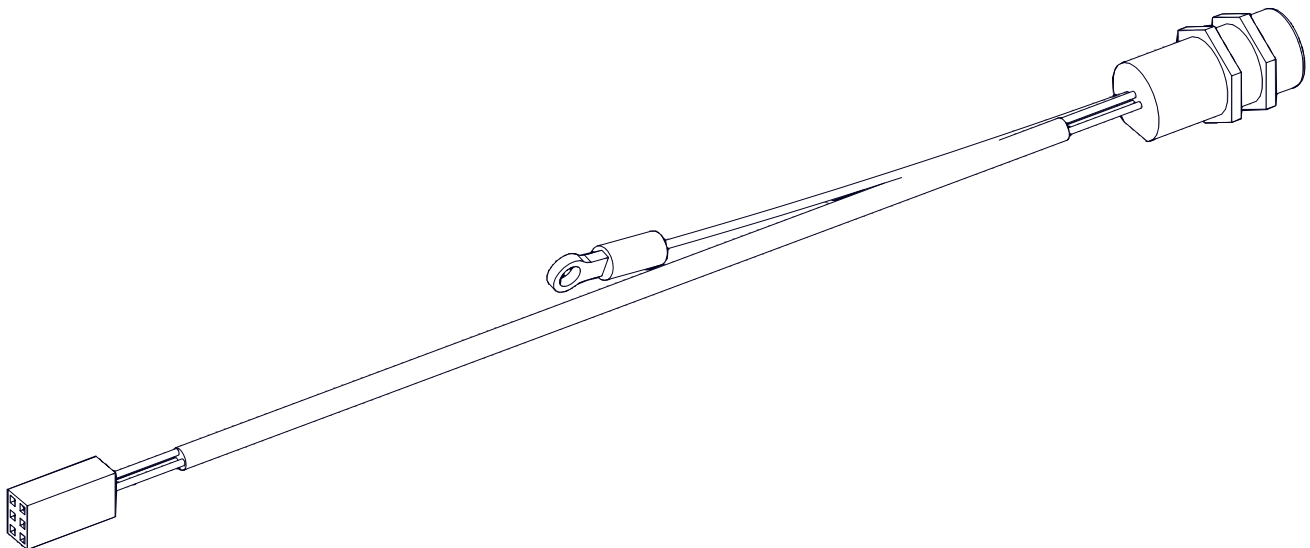


Fig. 1

560-0069 "ASSY, GEAR TOOTH SENSOR, 6PIN"