

SpeedTube Health Check (2025.1)

To check the health of the SpeedTube (Seeding) system, perform a “Seeding Manual Test.” Access the health checks page by selecting “Setup” – “Diagnose” – “Health Checks.” Follow the recommendations on the Seeding Manual Test page to initiate the health check. Once in the Seeding Manual Test page, adjust the rate and speed to the settings below to evaluate the high-rate and low-rate performance of your SpeedTube motors. (navigation and screen appearance will vary with software version)

High-Rate

Rate: 32,000

Speed: 10 mph

Low-Rate

Rate: 32,000

Speed: 0.5 mph

Below are the failure thresholds for the health check:

Voltage

<10 volts

>16 volts

Amperage

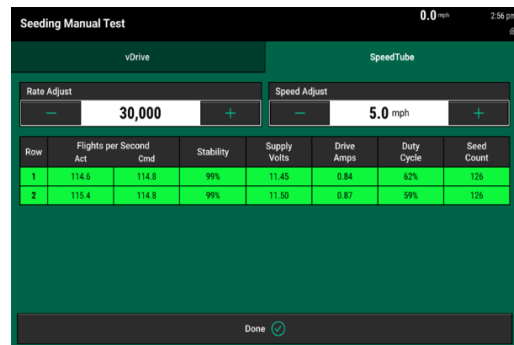
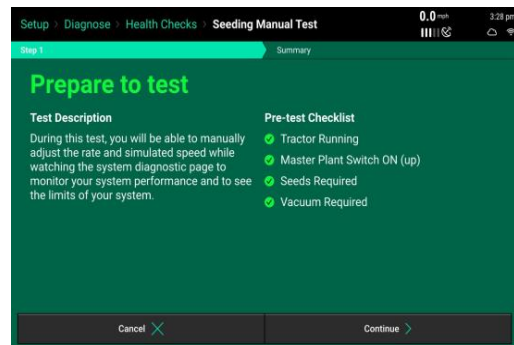
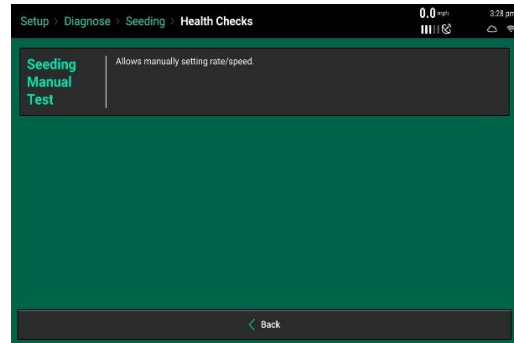
Low Rate: >0.5A

High Rate: >2.25A

Duty Cycle

Low Rate: >30%

High Rate: >95%



In the event of a failed Health Check, below are some things to check.

- Voltage Failure: There is a low supply voltage. Check harnessing for damage and ensure the alternator is operating.
- Amperage Failure: Ensure voltage is within range. Check for obstructions or misaligned parts.
- Duty Cycle Failure: Check for obstructions or misaligned parts.