

10.5 | IMU & Terrain Compensation Issues

Issue	Possible Cause	Recommended Action
TCM calibration cannot be completed	Poor satellite visibility	Move machine to open sky area clear of obstructions
TCM calibration cannot be completed	Incorrect GNSS receiver configuration	Verify GNSS receiver operation and correction quality
TCM calibration cannot be completed	Excessive machine vibration during calibration	Perform calibration with machine stationary and hydraulics stable
IMU intermittently disconnects	Loose connector or damaged harness	Inspect IMU harnessing and connectors
IMU intermittently disconnects	CANBUS communication instability	Verify CANBUS network integrity and termination
Terrain compensation differs between passes	IMU mounting shifted	Inspect IMU mounting and alignment
Terrain compensation differs between passes	GNSS correction quality unstable	Verify RTK/DGNSS correction status
Automatic Control performance inconsistent on slopes	Cross-slope compensation disabled	Verify terrain compensation is enabled within Level COMMAND
Automatic Control performance inconsistent on slopes	Incorrect terrain compensation source selected	Verify the intended IMU/TCM source is configured
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