T3RRA

Blade not staying on grade & acting inconsistently.

March 2025

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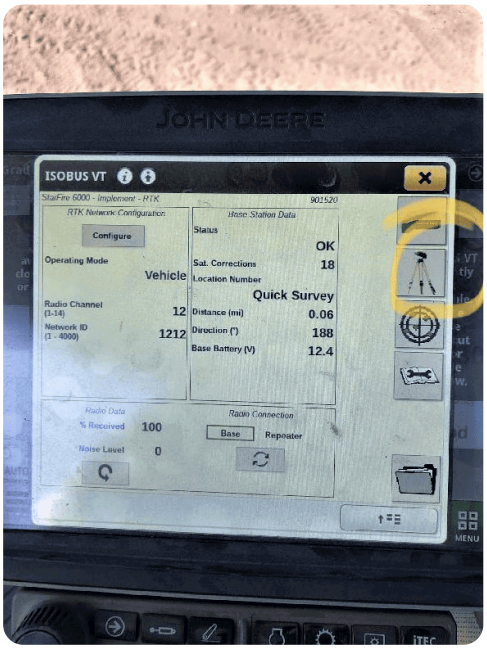
Blade not staying on grade & acting inconsistently.

Symptoms:
Blade is acting erratically.
Blade height is on grade for a while but then moves down a few inches and then back up.
Blade is reacting inconsistently while implementing. The blade wants to cut over ground that is already on grade.
When implementing design, the system is not cutting and filling as per map on screen.

Causes:
Base is being used as a Quick Survey base.
Base power is low.
iGrade and/or application controller need to be updated.
This is related to the GPS receiver not being mounted correctly and not moving with the blade.

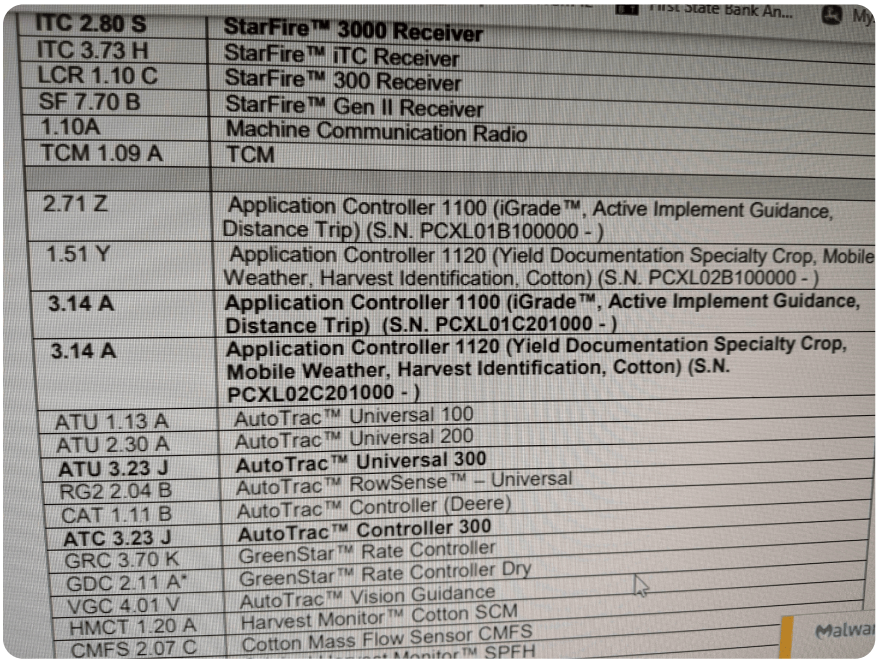
Solutions:
Use an Absolute Base.
Charge base to fullest amount.







Mount GPS receiver so that it moves with the blade.



ITC 2.80 S	StarFire™ 3000 Receiver
ITC 3.73 H	StarFire™ iTC Receiver
LCR 1.10 C	StarFire™ 300 Receiver
SF 7.70 B	StarFire™ Gen II Receiver
1.10A	Machine Communication Radio
TCM 1.09 A	TCM
2.71 Z	Application Controller 1100 (iGrade™, Active Implement Guidance, Distance Trip) (S.N. PCXL01B100000 -)
1.51 Y	Application Controller 1120 (Yield Documentation Specialty Crop, Mobile Weather, Harvest Identification, Cotton) (S.N. PCXL02B100000 -)
3.14 A	Application Controller 1100 (iGrade™, Active Implement Guidance, Distance Trip) (S.N. PCXL01C201000 -)
3.14 A	Application Controller 1120 (Yield Documentation Specialty Crop, Mobile Weather, Harvest Identification, Cotton) (S.N. PCXL02C201000 -)
ATU 1.13 A	AutoTrac™ Universal 100
ATU 2.30 A	AutoTrac™ Universal 200
ATU 3.23 J	AutoTrac™ Universal 300
RG2 2.04 B	AutoTrac™ RowSense™ – Universal
CAT 1.11 B	AutoTrac™ Controller (Deere)
ATC 3.23 J	AutoTrac™ Controller 300
GRC 3.70 K	GreenStar™ Rate Controller
GDC 2.11 A*	GreenStar™ Rate Controller Dry
VGC 4.01 V	AutoTrac™ Vision Guidance
HMCT 1.20 A	Harvest Monitor™ Cotton SCM
CMFS 2.07 C	Cotton Mass Flow Sensor CMFS

Contact your John Deere dealer and ask if updates are available for iGrade and/or application controller.