

TECH BULLETIN: SPITFIRE VALVE COIL INTERNAL LEAKAGE

Effective: 05/21/2024

Parts Affected: All assemblies, kits, or part orders containing Capstan Spitfire Valves

DETAILS

CapstanAG has found that there is a potential issue affecting SpitFire valve assemblies produced from July of 2023 until February of 2024. A weak bond in the coil assembly may lead to an internal leak in the SpitFire valve.

1. Affected Parts

Parts affected include 15 series and 24 series SpitFire valve assemblies with the following part numbers:

116500-250, 116500-251, 116500-255, 116500-256, 116500-257

116500-351, 116500-352, 116500-353, 116500-355, 116500-356, 116500-357, 116500-358

2. Failure Symptoms/Modes

Symptoms related to this defect are difficult to distinguish from other common valve/coil errors. If any valve is consistently causing alarms, it should be inspected to determine if it falls within the specified ID code range. If so, refer to the return options under Action Plan (Page 2).

Normal valve service instructions should always be followed to maintain proper function of valve assemblies.

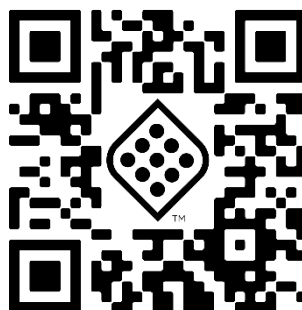
ROOT CAUSE

The root cause of the failure has been identified as a weak bond in the guide housing caused by excessive tool wear for a critical process.

Investigation has determined the potential for this failure to occur on parts produced between mid-summer of 2023 and February of 2024. Phone-based apps for Android and iOS are being published to provide the capability to scan and detect affected valve assemblies by their ID code. The ID codes in question are between 2328000A and 2413067.

To determine if your SpitFire valve assemblies are in the affected range, simply download the CapstanAG app and scan the ID code located on the valve assembly label.

For SpitFire valve resources and to download the CapstanAG app, visit capstanag.com/resources or scan the QR code below:



ACTION PLAN

To correct the issue and be the least disruptive to spray operations as possible, CapstanAG is offering three possible correction paths:

Option 1: 10 Year SpitFire Valve Assembly Warranty

- An owner may choose to leave the impacted SpitFire valves assemblies installed on the machine. If a SpitFire valve fails, it can be sent to CapstanAG for manufacturing defect evaluation. If the valve is found to have the manufacturing defect described in this bulletin, it will be replaced at no charge.
- Standard warranty and RMA procedures apply. Parts sent to CapstanAG without an RMA # will not be evaluated and will be returned to the sender at their expense. Scan the QR code below to be directed to the RMA form.

Option 2: Down Time SpitFire Valve Evaluation (Applies from 06/03/2024 — 12/20/2024)

- An owner may choose to remove and ship all SpitFire valve assemblies on a machine to CapstanAG. Scan the QR code below to be directed to the RMA form.
 - CapstanAG will evaluate all returned valve assemblies for the manufacturing defect.
 - Defective valve assemblies will be replaced at no charge.
 - Valve assemblies will be shipped back to the owner complete with a new set of O-rings.
- CapstanAG will ship boxes to the owner, complete with return label and directions for shipping the valve assemblies. Parts should be shipped promptly for the fastest possible processing.
- CapstanAG will have the returned valve assemblies evaluated and ready for shipment within five business days of their arrival at the testing facility.

Option 3: Emergency Swap Out

- If an owner has an unusually high number of SpitFire valve assembly failures with parts falling within the ID code range listed, they may be eligible for a complete boom swap out to avoid undue downtime.
- To request eligibility for this program, the regional CapstanAG field representative or dealer account representative must be contacted.

For the CapstanAG RMA form, visit [RMA Request](#) or scan the QR code below:

