



Nilfisk

TECHNICAL SERVICE BULLETIN

Number: TSB-VAC-2023-001 rev2

Model & Symptom: VU500—clutch failure

Date: Mar 20, 2023

Author: Alberto Rastelli

Urgency:

☐

HIGH: Immediate action is required. Service visit must be scheduled.

☐

MEDIUM: Action is required during the next scheduled visit to the machine.

☒

LOW: Action is required if machine is exhibiting the reported issue.

☐

GENERAL: No action is required

Symptom:

Hard noise from the brush.

PRODUCTS:

VU500, GU305,355,455/ Spectrum 12,15,18/ CarpetMaster 112,115,212,215,218/ Prosense 12P,15D

RELATED TFR / PRIOR TSB:

TFR 20230209-004 and TSB VAC 2022-001

ISSUE:

Clutch assembly housing is prematurely failing.



ROOT CAUSE:

Clutch raw material plastic property do not meet the specification resulting too brittle.

PRODUCTION CORRECTIVE ACTIONS:

Change to new raw material manufacturer using improved plastic strengthen agent.

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PRODUCTION SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with improved clutch installed as standard equipment:

Implementation Shipping Date: W50, 2022 starting Serial Number:

Model	SN start
107402351 SPECTRUM 12H (GU12H)	224200001 224700001
906 0107 020 ADVANCE SPECTRUM 12P	225000001
906 0307 020 ADVANCE SPECTRUM 15P (GU15 SMU US ADVANCE)	224700001
906 0407 010 ADVANCE SPECTRUM 15D (GU15 DMU US ADVANCE)	224700001
906 0507 010 SPECTRUM 18D (GU18 DMU US ADVANCE)	224700001
107407690 CARPETMASTER 112	225000001
107407691 CARPETMASTER 115	225000001
906 0208 020 CARPETMASTER 212 120/1/60 (GU12 DMU US CLARKE)	224700001
906 0408 010 CARPETMASTER 215 (GU15 DMU US CLARKE)	224700001
906 0508 010 CARPETMASTER 218 120/1/60 (GU18 DMU US CLARKE)	224700001
906 0107 020 ADVANCE SPECTRUM 12P	225000001
906 0307 020 ADVANCE SPECTRUM 15P (GU15 SMU US ADVANCE)	224700001
906 0407 010 ADVANCE SPECTRUM 15D (GU15 DMU US ADVANCE)	224700001
107404753 VU500 12INCH UPRIGHT VAC US	225000001
107404754 VU500 15INCH UPRIGHT VAC US	225000001
107418426 VU500 12-300MM EU15M-UK10M	225000001
107418433 VU500 15-380MM EU15M-UK10M	225000001
107405597 86063 PROSENSE 15D	225000001
107405601 86062 PROSENSE 12D	225000001

FIELD CORRECTIVE ACTIONS:

Replace the clutch if a failure occurs (fix as fails)

Same spare P/N, EDC & USDC inventories have been purged and replaced with good clutch.

SPARE PARTS and/or SPARE PART KITS:

107407722 — CLUTCH ASSEMBLY COMPLETE (VU500)

147 0906 500 — CLUTCH AND BEARING KIT

(GU305, 355 & 455/ Spectrum 12P & H, 15D, 15P & 18D/ CarpetMaster 112, 115, 212, 215 & 218/ Prosense 12P & 15D)

NOTE: New material assy clutch is marked by blue
or blue & black dot (see fig.1)

(Fig.1)

