



TECHNICAL SERVICE BULLETIN

Subject: Burnisher Vibration
Product(s): Advolution B or BT
Fusion 20 or 20T
Nilfisk UHB 51-1500
System: Chassis
Number: TSB-FC-2013-119
Date: 28 May 2013
ODM / ECO: A-08902
Urgency: Level 2

SYMPTOM:

Machine vibration or poor pad pattern.

ISSUE:

Excessive noise and vibration in the Battery Burnisher.

CAUSE:

Some burnishing pads, pad centering, and application environments create excessive movement of the burnishing head during operation which may result in noise and vibration. Inconsistencies of the burnishing pad material, thickness and density, will lead to an imbalance of the burnishing head.

PRODUCTION CORRECTIVE ACTIONS:

- 1) The pad pressure adjustment bolt was changed to a longer shoulder bolt design
- 2) A head lift weldment design was released with a geometry change to assist with reducing vibration for all machines
- 3) The improved head lift weldment uses a molded spring seat instead of washers or cups for spring seat alignment
- 4) Motor head bracket changed to allow side to side pivoting for improved pad pattern
- 5) A foam battery spacer (PN 56383330) was added to the AGM battery configured machines

LIST OF THE MACHINES IMPROVED:

Machine PN	Machine Description
01564A	ADVOLUTION 24BT 220AH ACT VAC
01565A	ADVOLUTION 24B 220AH ACT VAC
01566A	ADVOLUTION 24BT 234AH AGM VAC
01567A	ADVOLUTION 24B 234AH AGM VAC
01574A	ADVOLUTION 24BT 220 AH
01575A	ADVOLUTION 24B 220 AH
01576A	ADVOLUTION 24BT 234 AH AGM
01577A	ADVOLUTION 24B 234 AH AGM
01584A	ADVOLUTION 20BT 200AH ACT VAC
01585A	ADVOLUTION 20B 195AH ACT VAC
01586A	ADVOLUTION 20BT 234AGM ACT VA
01587A	ADVOLUTION 20B 234AGM ACT VA
01594A	ADVOLUTION 20 BT
01595A	ADVOLUTION 20 B
01596A	ADVOLUTION 20BT 234AH
01597A	ADVOLUTION 20B 234AH
01598A	ADVOLUTION 20BT W/ NO BATT
01602A	BURNISHER FUSION 20T 200AH
01603A	BURNISHER FUSION 20 200AH
01604A	BURNISHER FUSION 20T 234AH AGM
01605A	BURNISHER FUSION 20 234AH AGM
01610A	BURNISHER NILFISK UHB 51-1500

PARTS LIST FORM NUMBER(S) AFFECTED: 79986A, 71279A

ECO / ODM #: A-06107, A-06125, A-06349, A-07217, A-07244, A-08020, A-07544.

* **Technical Service Bulletin Levels:**

Level 1: These Bulletins contain general information

Level 2: These Bulletins describe continuous quality improvements that are made to products

Level 3: These Bulletins describe a quality problem that has been determined to require a mandatory update to the product. Specific warranty coverage is as noted in Bulletin.



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SOLUTION IMPLEMENTATION DATE and / or SERIAL NUMBER:

First production machine with implemented changes to address noise and vibration problems:

- Implementation Shipping Date: **17 Dec 2012**
- Serial Number: **3000117137**
- Reference Instruction Sheet: **IS56090160**

First production machine with foam spacer (PN 56383330) to address noise and vibration problems:

- Implementation Shipping Date: **20 Mar 2013**

Previously implemented TSB:

- Reference Technical Service Bulletin: **TSBCL2011-0008**

Special tools needed:

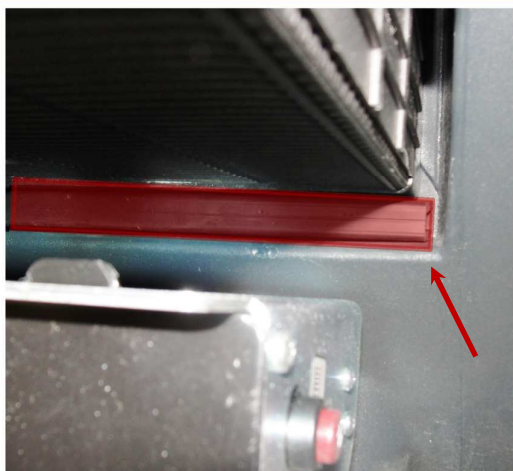
- Electric Drill
- 9/32 Drill Bit for steel (chassis material)



Machine Data Plate Location



Machine Data Plate Detail



Battery Spacer Location

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FIELD CORRECTIVE ACTIONS:

- 1) Machines built between Jan 1, 2011 and Mar 20, 2013 reporting excessive vibration can be factory refurbished through December 31st, 2013.
- 2) After December 31st, 2013 machines require installation of the kit shown below

56383233 BURNISHER ANTI-VIBRATION KIT

Advolution 20B, 20BT Models: ALL

Fusion 20, 20T Models: ALL

UHB51-1500 Models: ALL

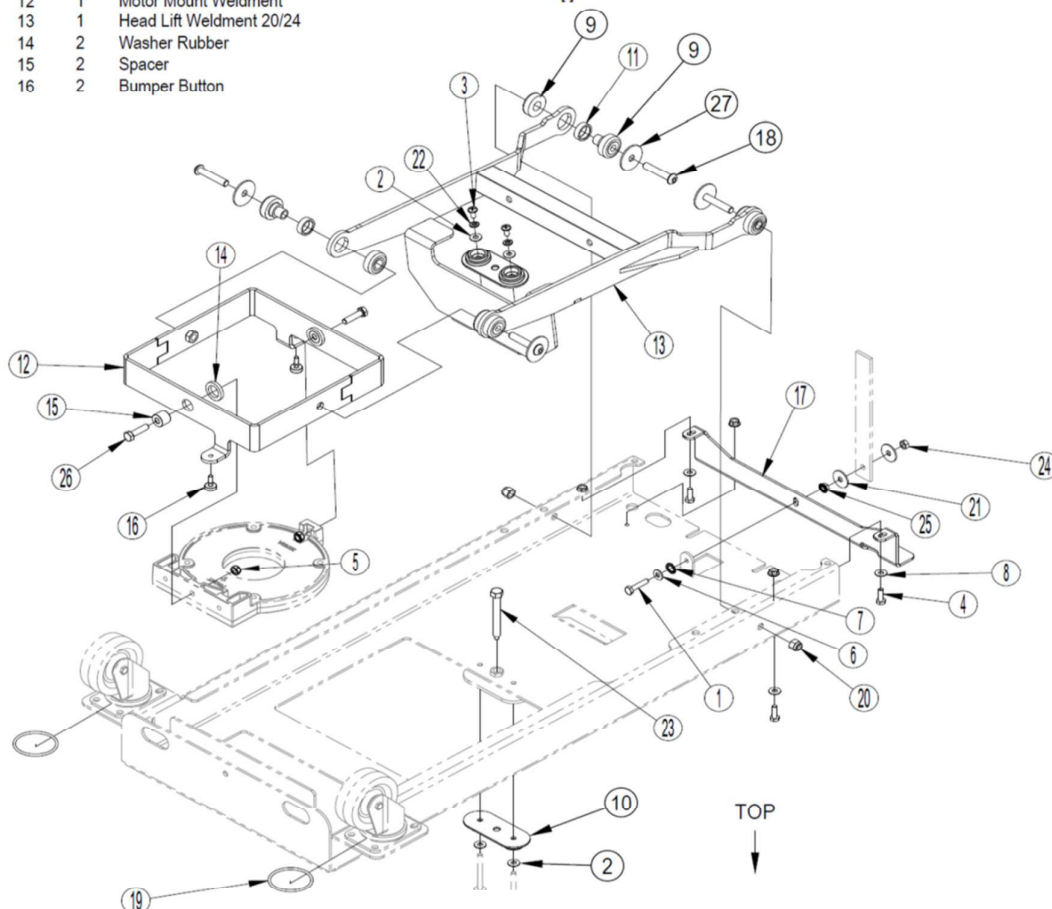
Advolution 24B, 24BT Models: ALL

CONTENTS OF KIT

Item	Qty	Description
[]	1	Instruction Sheet
1	1	Scr-Hex 1/4-20 X 1.25
2	4	Wsh, Flt Sae 1/4
3	2	Scr-Pan Phil 1/4-20 X .50
4	4	Scr-Hex 1/4-20 X .75
5	2	Nut, Hex Nyl Loc-Thin 5/16-18
6	1	Wsh-Flt Sae Ss 1/4
7	1	Wsh-Serrated Ext Ss M10
8	4	Wsh, Int Shprf 1/4
9	4	Mount Vibration Damping
10	2	Seat Soft Spring
11	4	Spacer Steel
12	1	Motor Mount Weldment
13	1	Head Lift Weldment 20/24
14	2	Washer Rubber
15	2	Spacer
16	2	Bumper Button

Item	Qty	Description
17	1	Stiffener-Frame Bolt-On
18	4	Scr Button Soc 3/8-16 X 2.00
19	2	O-Ring
20	2	Nut Esna 3/8-16
21	2	Washer, .31 I.D. X 1.06 O.D.
22	2	Washer, Lock 1/4
23	1	Screw Head Pressure Adj
24	1	Nut, 1/4" Nylock
25	5	Nut, Serrated Flange
26	2	Screw 5/16-18 X 1 1/4 Hh
27	4	Washer Snubbing

[] = Not Shown





**Nilfisk
Advance**
setting standards

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DRILL MOUNTING HOLES FOR FRAME STIFFENER

See Assembly Figure 2 Drill four 9/32" holes in the locations indicated

ASSEMBLY FIGURE 2

