Inhaltsverzeichnis

Erstellungsdatum: 20150112

Dokumentliste:

8. BDS 43/DUO C Adv

Motor 6.613-250.0

Service Bulletin
No. 2013-023 dated 30.10.2013
Classification level IV

Problem: When operating at high speed, BDS 43/DUO can switch off again or not produce sufficient torque to start up at high speed. In both cases, the motor protection switch triggers.

Cause: Some motors 6.613-250.0 deviate clearly from the defined output.

Solution: Equivalent motors will not be available until week 4/2014 at the earliest, both in production and in the field. Until then, users are instructed to use an extension cable with a cross section of at least 2.5mm² and red pads. Only use clean pads; if necessary, raise the brush head a little while starting up. The high speed is only intended for polishing on suitable floors. Scrubbing or decoating may only be carried out at low speed.

Fig.: Brushes must not be used in the high speed mode.

Note Change / improvement in production for units 1.291-223.0 probably from week 04/2014 or from serial number #11010

Warranty handling: none

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4. BDS 43/DUO, 43/180

ABS tank 2.642-476.0

Service Bulletin

No. 2014-019 dated 20.11.2014

Classification level IV

Problem: The mechanism for opening the water valve on the water tank is stiff with an insufficient flow of water.

Cause: Production tolerances resulted in the metal lever on the water tank coming against the tank after only a short lever distance so that the valve could no longer open wide enough. The same effect was caused by a metal rod being too long so that the control lever collided with the handle.

Solution: The design of the control lever and the metal rod was changed at the handle so that less force is needed. The water valve lever is now flatter in design so that it only comes against the water tank after a longer lever distance. The material of the new valve is harder and the water flow is higher than before. The harder material means that it is no longer possible to disassemble the valve. But it can also no longer be pressed unintentionally into the tank. The valve is also higher in position so that more water remains in the tank. Assembly instructions are supplied in the mounting kit.

Figure: Control lever, rod, water valve lever and valve.

4. BDS 43/DUO, 43/180

ABS tank 2.642-476.0

Service Bulletin

No. 2014-019 dated 20.11.2014

Classification level IV

Note: Part number 2.642-476.0 is new and is available since week 34. The new tanks have a date stamp >= 11/13.

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5. BDS 33..51/180..450

Modifications

Service Bulletin
No. 2014-019 dated 20.11.2014
Classification level IV

Problem:

1. Under certain conditions, the BDS motor can switch off.

2. Vibrations can occur particularly in the 60 Hz range.

3. The shaft is not fixed in the transport position.

Solution:

1. In future, motors and transmissions will be offered separately for every unit variant. It will probably be possible to order all motors and transmissions separately from week 2/2015. Please refer to the "replaced by" remarks and the DISIS for the part numbers.

All transmissions of the current BDS series can be fitted to every individual motor and are theoretically freely replaceable. If it should not be possible to combine intended motors and transmissions, please contact the technician responsible for unit functions and safety. Service International can be contacted if necessary.

If a BDS switches off frequently, please first check whether the lead cable has a sufficient cross section (recommended is 2.5mm²), the pads are not soiled, additional weights have been removed, the brush or pad is suitable for the particular type of floor and that original accessories are being used.

Transmissions can reach temperatures of up to 100°C on the surface when in neutral. If the measured temperature is higher than this, please check the transmission, e.g. according to the breakaway torque (<<2.5Nm). However, as a rule the surface temperature in neutral is maximum 70°C.

The BDP 43/450 is fitted ex works with a 1:7.5 transmission and therefore runs at 400 rpm. This improves starting behaviour under difficult conditions. The BDS 33..43/180 (120V/60Hz) is fitted with the 1:12 transmission and is therefore suitable for difficult conditions such as crystallisation.

In units 1.291-231.0 and -232.0, the motor protection switch has been increased from 13A to 14A. This reduces the switch-off tendency. The protection switch has the part number 8.631-246.0.

2. The elements of the transmission coupling are coated with rubber in variants 1.291-230.0, -231.0 and -232.0. The vibration-susceptible 60Hz units thus run more smoothly. In general, when vibrations occur attention should initially be paid to the

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pad holders. The DUO pad holder 6.369-901.0 is usually sufficient as a solution for reducing vibrations. The rubber-coated coupling is not available as a replacement.

Figure: Coupling element with rubber-coated segments.

3. The locking pin 5.034-928.0 broke loose and therefore no longer fulfilled its function. The material and dimensions of pin and plate 5.044-019.0 have been improved (new pin 5.034-013.0, new plate 5.044-244.0). If the pin is replaced, the plate and the bracket on the left also have to be replaced.

The spare part number for the bracket will be announced in DISIS once it has become available.

Note:

1. The transmissions can be ordered as replacements from week 2/15. The motor protection switch 8.631-246.0 is available since week 36/14. The locking pin 5.034-928.0 is available since week 38/14. Plate 5.044-244.0 and the left bracket can be

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5. BDS 33..51/180..450

Modifications

Service Bulletin
No. 2014-019 dated 20.11.2014
Classification level IV

ordered from week 2/15.

Change / improvement in production from: 12/01/2015

Unit:	Manufacture No.:	Modification	from Serial No.:
BDS 33/180	1.291-220.0	3. Locking pin	11000
BDS 43/180	1.291-221.0	3. Locking pin	10122
BDS 51/180	1.291-222.0	3. Locking pin	10000
BDS 43/DUO	1.291-223.0	3. Locking pin	11489
BDP 43/450	1.291-225.0	1. 400 rpm, transmission 1:7.5	10550
		3. Locking pin	10550
BDS 43/180	1.291-226.0	3. Locking pin	14713
BDS 51/180	1.291-227.0	3. Locking pin	10460
BDS 33/180	1.291-230.0	1. 168 rpm, transmission 1:12	10000
		2. Rubber-coated coupling	10000
BDS 43/180	1.291-231.0	1. 142 rpm, transmission 1:12	10935
		Motor protection switch 14A	10934
		2. Rubber-coated coupling	19707
BDS 51/180	1.291-232.0	1. Motor protection switch 14A	10480
		2. Rubber-coated coupling	10479
BDS 43/180	1.291-237.0	3. Locking pin	10322

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