



European Service Support Group
Technical Information & Parts Supply



Service Bulletin (SB 164)

SUBJECT: Replacing D27105 (BLAC Motor) with the (Universal Motor).

UNITS: D27105 Type 1 & 2. 230 VOLT ONLY.

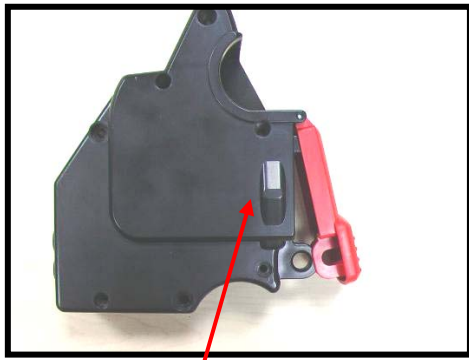
DATE CODE RANGE: All.

ISSUED BY: Martin Chadwick.

There are four different kits to cover markets GB, QS & XC including various production levels. After modification the product will be classified as a D27107 Type 1.

Kit # 1 Should only be used on a 230 Volt product if,

1. The product has a production date code from 200604 (The date code is located on the Motor).
2. The product has already been previously modified according to Service Bulletin SB161. To check this look at the Switch Box inside the R/H Side Frame.



New level Switchbox.



Old Level switch box.

Kit # 1 has two variants, the difference is in the switch box & mains plug.

- 652358-04 is used for QS & XC Markets
- 652358-05 is used for GB Market only.

Kit # 1 includes the following parts,

- Universal 230v Motor SA.
- Switch Box, cables & Mains Lead SA.
- Rating Plate.
- Belt Cover.
- Rating plate, Market specific. (D27107 Type 1)

Kit # 2 Use this kit if the product has a date code before 200604 and has NOT been modified as stated above. This Kit also has two variants. These kits include all the parts as in Kit # 1 plus, SA Guard Link and Lock Plate.

- 652358-06 is used for QS & XC Markets
- 652358-07 is used for GB Market only.

Kit # 1 Modification



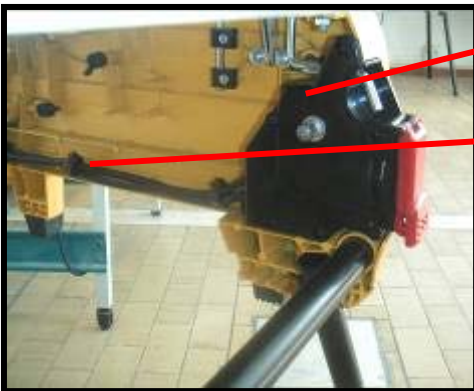
Replace Motor.

Replace Belt Cover.

Replace Switch Box SA & Cables.



New Parts supplied plus rating plate.



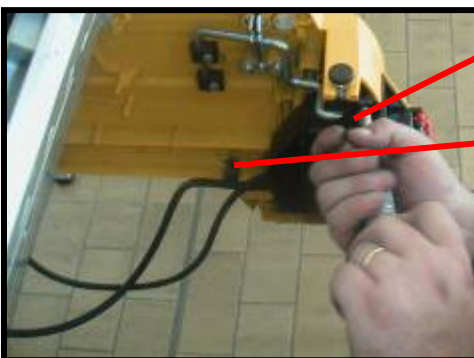
Undo 3 screws retaining The Switch Box.

Release cable clamps.

Remove Cable Bushing at rear of the machine.



Fit the new Switch Box SA.



Fit the switch box using original screws.

Fit Cable to the Clamps.

Fit Cable Bushing.





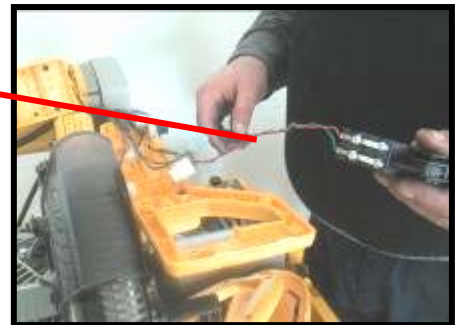
Remove Belt cover



Remove switch handle cover.

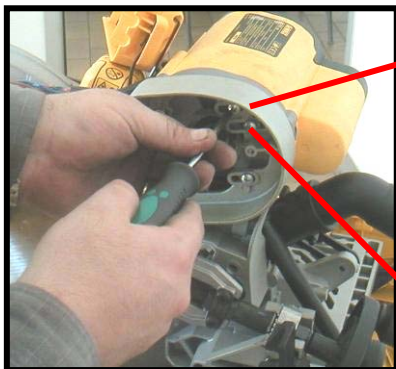


Disconnect all wiring from inside handle, including switch



Remove Cable Clamp.

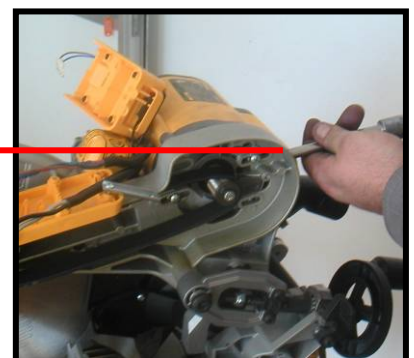
Remove old Switch Box SA and Cables.



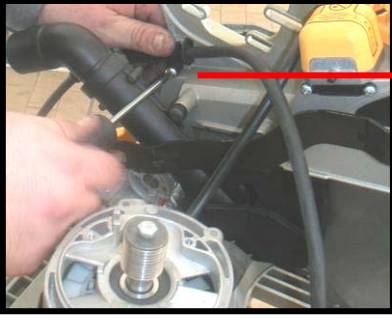
Undo 4 Motor retaining screws.

Undo belt tension screw. Remove belt.

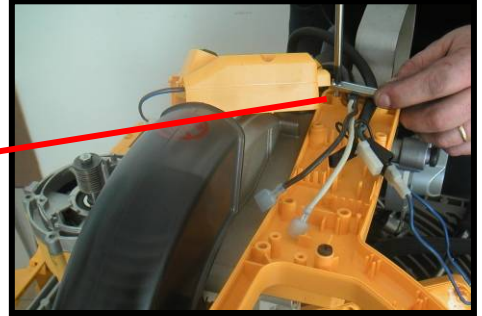
Remove remaining 2 Motor screws. Remove Motor SA.



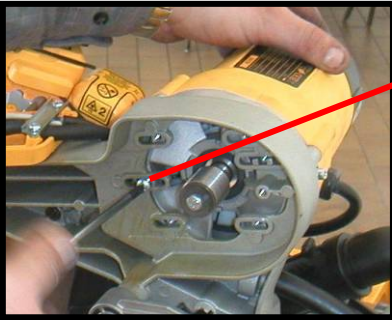
Re-Assembly using Universal Motor.



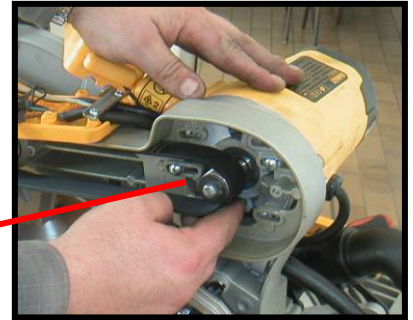
Refit cables & clamps.



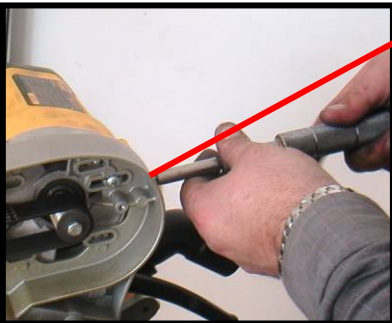
Fit cables into Handle



Fit Universal Motor SA.
using only 2 screws to support Motor.

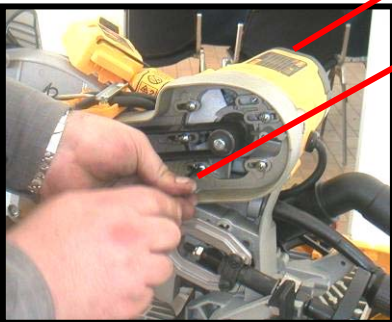
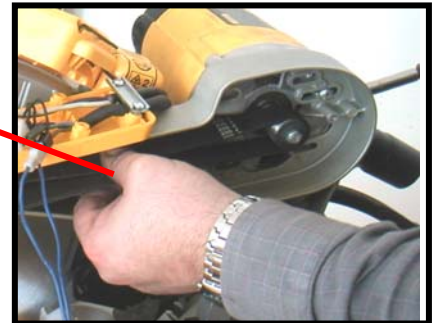


Fit Belt.



Fit Belt tensioner.

Adjust belt tension.
Correct tension can be achieved by
compressing the Belt in the centre
position between finger & thumb until
the opposite belt ribs just touch under
moderate pressure

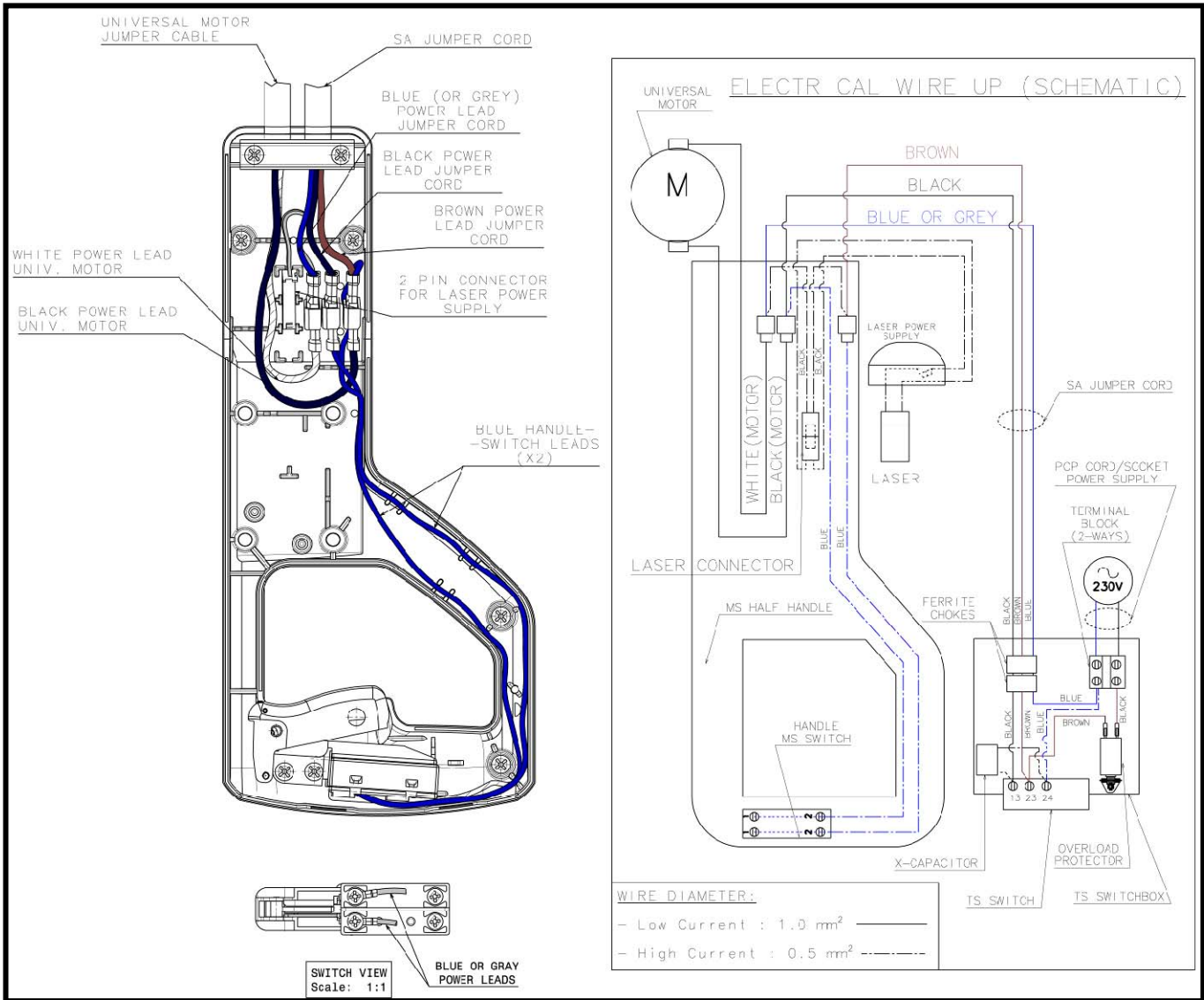


Fix appropriate new rating plate to Motor body (supplied in kit).

Fit the remaining 4 screws to
Motor support.

Fit new belt cover.

Rewire according to diagram.

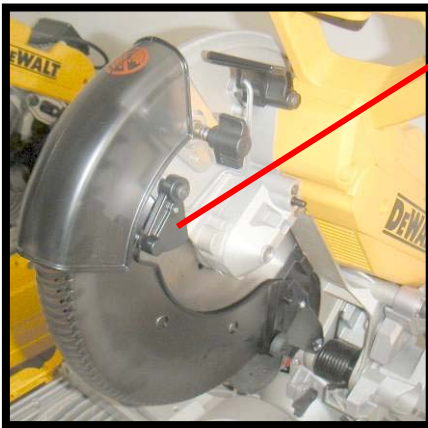


Kit # 2 Modification.

Use this kit if the product has a date code before 200604 and has NOT been modified as stated above.

Follow the same procedure as for Kit # 1.

In addition fit the SA Guard Link & Lock Plate as supplied in the Kit.



Lock Plate



SA Guard Link