

NO. 15/2018

START SWITCH UPDATE + REMOVAL OF GREASE

Date 2018 04 20

Executive summary

- Switch 264854 replaces switch 264852 to fix manufacturing issue
- Removal of grease from switch connector is mandatory
- Good will for replacement of switches until end of 2018

Dear Distributor,

We have to inform you about a manufacturing issue we had to face with our supplier. The start switch 264852 (multiple function switch) with production code "1747" or higher can fail after a run time between 2 - 8 hours.

These start switches already supplied with engines and as spare parts must be replaced to prevent further failures in the field. Rotax is now ready to provide a replacement.

To increase the traceability for the field fix, we decided to change the starter switch part number to 264854. To be able to identify, the new switch is additionally marked with "264854"



Product details:

Rotax part no.:	264854
Description:	Multiple Function Switch
MSRP 2018:	24,14 €
Discount for distributor:	40%
Use:	Rotax 125 MAX evo engine series

NOTE: Further investigations of failed switches have confirmed that the root cause for the failure is the silicone grease applied to the connector on the cable harness. The internal contacts of the switch will be contaminated with the silicone grease which causes an isolation layer on the internal contacts of the switch. This leads to starting issues and could also cause engine misfire.



With any change of a start switch, it is mandatory to remove all kind of silicone grease from the switch connector at the cable harness. For this please use the procedure "TECH TIPS 02 MULTIPLE FUNCTION SWITCH UPDATE". Please make sure that all dealers will hand out this instruction with all switches supplied to the end user! Please translate the procedure in the respective language!



The removal of grease is **only valid for the connector of the starter switch** and does not concern any other connectors of the wiring harness.

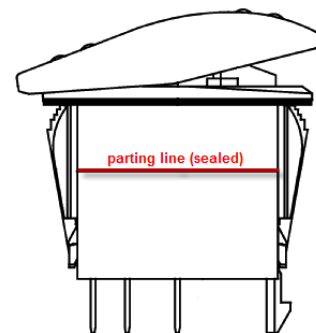
Sealing of the parting line

This improvement has a minor impact but helps to assure the trouble-free operation of the multiple function switch.

IMPORTANT: The sealing prevents water intrusion.

For this reason, the switch must not be opened!

By opening the switch will break the sealing which can cause failure and warranty becomes void.



Supply situation of start switch 264854:

- All engines supplied as of March 22, 2018 are supplied either with a switch 264852 with production number lower than 1747 or with the switch marked 264854. Both switches are ok to be used. Attached to this Info you will find a XLS document where all engine serial no. supplied as of March 22, 2018 are listed and which switch has been fitted.
- As of engine serial no. 8628561 all engines are supplied with the switch marked 264854.
- Spare part battery boxes 251124 supplied (= date of invoice) as of April 19, 2018 are supplied with the switch marked 264854.
- All actual pending spare parts orders for the switch 264852 have been converted to switch 264854. Supply of switch 264854 has started on April 17, 2018.

To do for distributor/dealers:

Sale of start switch

- As soon as you have received your first shipment of the start switch 264854, only this start switch must be sold to the market (see also item warranty handling).

Sale of a new engine of the Rotax MAX engine family (assuming engine box and accessory box stayed together)

- If the engine serial no. is higher than 8628561 the engine is ok to be supplied to the market.
- If the engine serial no. is below 8628561, please check the attached XLS file. If the respective engine serial no. is listed on this file the engine is ok to be supplied to the market.
- If the engine serial no. is below 8628561 and this serial no. is not listed on the attached XLS file, please replace the fitted switch with a switch 264854 and check that connector for start switch is free of silicone grease – if not clean connector according proposed procedure (TECH TIPS 02).

Sale of spare parts battery box 251124

- At all battery boxes supplied before April 19, 2018 the switch fitted must be replaced by the switch 264854. The connector for the switch must be checked to be free of silicone grease, if not clean connector according proposed procedure (TECH TIPS 02).

Sale of a spare parts cable harness 666835

- Make sure that the connector for the start switch is free of silicone grease – if not, clean connector according proposed procedure (TECH TIPS 02).

Note: If a customer doesn't feel confident by applying the advised cleaning procedure for the start switch connector of the cable harness, Rotax recommends purchasing a new cable harness which is free from silicone grease.

Warranty handling

- ROTAX will provide replacement for all switches 264852 with production code "1747" or higher free of charge.
- Any failed or possibly with silicone grease contaminated switch 264852 will be replaced as a goodwill until the end of 2018.
- Any replacement switch handed out by ROTAX race support will be free of charge for the customer.
- All switches that you need to replace must be ordered via the standard online order process.
- For each handout of a new switch free of charge, ROTAX may demand to get back the replaced switch.

Claim process for failed switches

On a monthly basis, you will be able to provide us a cumulative claim for the failed/exchanged switches.

- Create a claim of type 02 – spare parts
- Enter the following values into the SAP system:
 - Division 16
 - Repair + Failure Date YYYY.MM.DD
 - Trouble Part 264852
 - System Code 01
 - "Trc" (Trouble Code) 990
 - Qty (Quantity) number of replaced switches
 - Part replaced 264854

Please note:

The claim will cover the cost of the part. NO labor and NO handling. The maximum quantity that can be claimed is limited by the number of switches 264852 that have been supplied to your market (engines + spare parts).

If you receive a failed switch 264854, please enter the number 264854 as "Trouble Part".

If you have any questions or concerns, don't hesitate to contact me directly!

The ROTAX Team is very sorry for any inconvenience caused by this situation.

Best regards,



i.A. Stefan Gruber
Manager ROTAX Karting
BRP-Rotax GmbH & Co KG



i.A. Alexander Wandl
ROTAX Kart Customer Service