

Changing Brush Box – Linz Alternator

Procedure for changing Brush Box in Linz Alternator

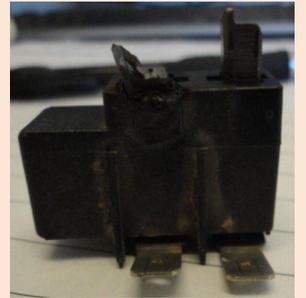
1. Remove rear black plastic louver from the Linz Alternator. There are 3 screws holding this cover in place.
2. The brush box is fastened within a lug above the center bearing housing by an M5 bolt.
3. Loosen and remove the M5 bolt and remove the brush box.
4. Detach the 2 leads, (Red & Black) from the brush box and discard the old brush box. (Or Change the Brushes if brush box is serviceable)
5. Reattach the leads to the new brush box. Ensure that Red + and Black are attached to the correct terminal (+ and – is marked on the brush box).
6. Fit brush box back into position and attach with M5 bolt. make sure that brushes are seated correctly on the slip ring.
7. Start engine and check charge rate and ensure that correct charge is being produced (27 to 28 Volts)
8. While engine is running look at the brushes on the slip ring and ensure that the brushes are running true and there is no arcing between the brushes and the slip ring.
9. Refit rear black plastic cover.
10. Recheck all bolts for security.



Brush Holder	SX86-1150
Brushes	SX26-0101

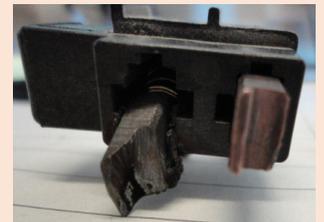
* Refer to Technical Bulletin Issue 1 - 05 Feb 2014 for Linz Service Information

Brush Box Inspection



Worn Brushes

The above picture illustrates worn brushes that are required to be replaced at the 2000 service interval.



Incorrect Brush Holder Alignment

The Above illustration shows damage to the brushes where the brush holder has been running out of alignment.

Replacement Brush Holder and Brushes

Brush Holder	SX86-1150
Brushes	SX26-0101

Complete Alternator and Regulator

Linz Alternator	SX86-0430
Linz Regulator	SX86-0220

