

**Modification of Alternator mounting arrangement:** Frequent breakage of alternator brackets and 'V' belts in non-AC coaches is a cause for concern. During POH, close examination of pulleys, their proper alignment, pairing of 'V' belts and proper adjustment of belt tensions are ensured. However, there are frequent breakages of nylon bushings & belts. Breakage of bushing is indicative of excessive load.

PL workshop has modified the Alternator mounting arrangement to make it sturdier.

**Modifications:**

- The width of boss on both the mounting brackets has been increased.
- The nylon bush width on both ends has been doubled.
- The mounting pins length has been increased proportionately to accommodate the wider bushings.



**Benefits:**

- Increased bearing area for the Alternator load.
- Improved stability in load transmission, resulting in lesser vibration in belts.
- Reduced chances of bush 3: belt breakage. Alternator bearing seizure.