

## Procedure 7.22 - Replacing a Generator (C556i Navy, only)

### WARNING

When the unit is used, stairarms are in motion or the generator is rotated by any means, the generator will produce potentially hazardous voltages even when the battery is disconnected.

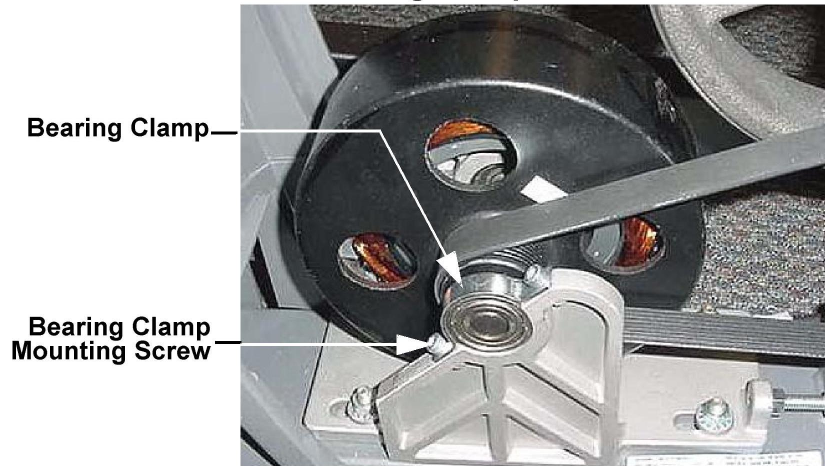
1. Remove the rear cover and disconnect the red battery lead from terminal M6 of the lower PCA.
2. Remove the three generator mounting screws shown in Diagram 7.18.
3. Remove the two bearing clamp screws shown in Diagram 7.19. Remove the bearing clamp.
4. Lift the generator and remove its drive belt.
5. Loosen all four generator mounting nuts. Loosen the locking nut on the generator's adjustment bolt and thread the adjustment bolt into tab to remove tension from the generator's drive belt. Remove the drive belt from the generators pulley.
6. Remove the four generator mounting nuts. Disconnect the generator's cable connector from the intermediate cable and remove the generator from the EFX.
7. Remove the adjustment bolt and it's locking nut from the generator's mounting base.
8. Thread the adjustment bolt and locking nut into the tab on the replacement generator.

**Diagram 7.18 - Generator Mounting**



9. Set the replacement generator at its mounting position. Remove the three generator mounting screws, the two bearing clamp screws and the bearing clamp. Lift the generator and place the drive belt around the generator's pulley.

**Diagram 7.19 - Generator Bearing Clamp**



10. Replace and tighten the three generator mounting screws removed in step 9. Set the bearing clamp in its mounting position, replace and tighten the two bearing clamp mounting screws removed in step 9.
11. Hand start, but do not tighten the four mounting nuts removed in step 6. The generator must be able to move in order to adjust the belt tension.
12. Adjust the generator drive belt tension per Procedure 5.3.
13. Reconnect the red battery lead removed in step 1 and replace the rear cover.
14. Check the operation of the EFX as described in Section Four.