

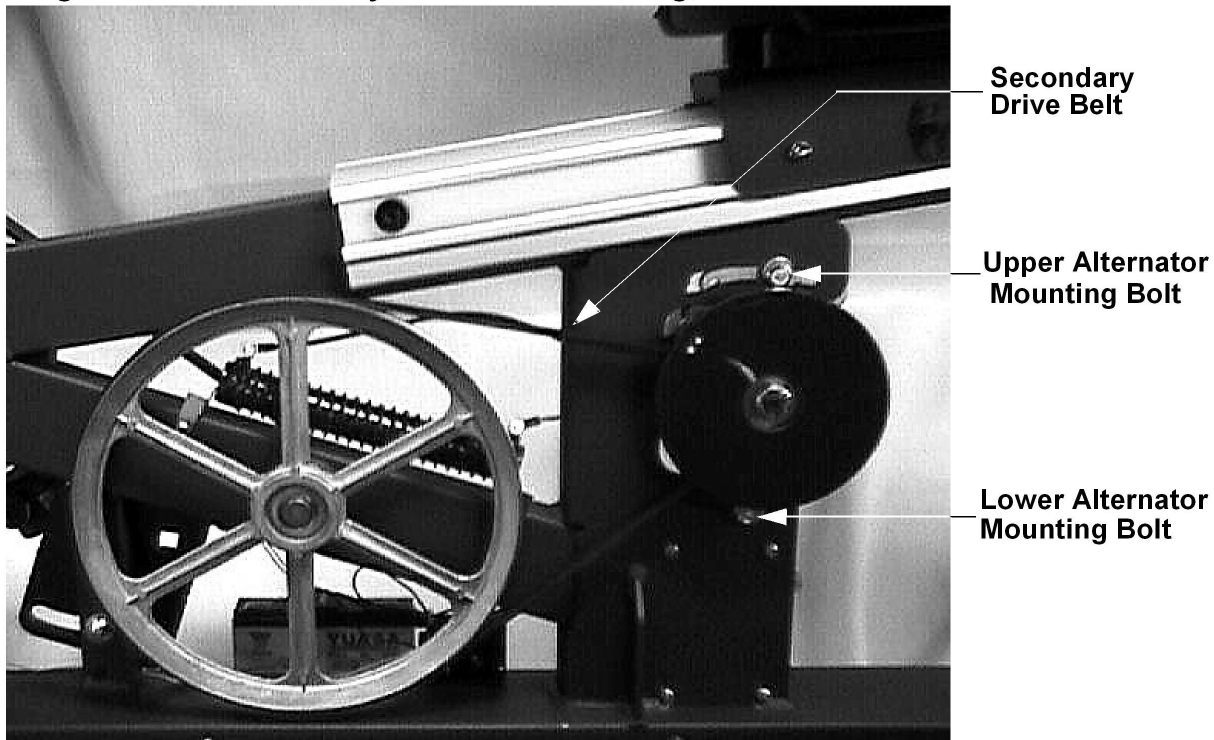
Procedure 7.13 - Replacing the Alternator (C846 version 1 only)

Note:

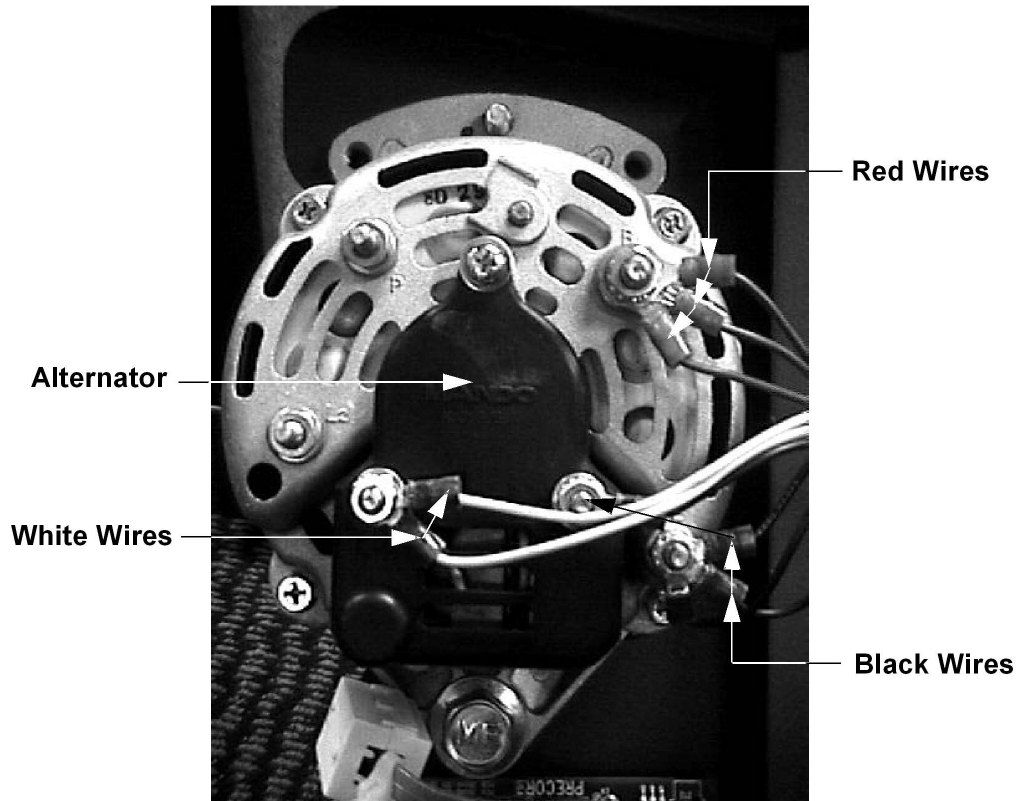
The flywheel is balanced on the alternator. The replacement alternator will be furnished with a flywheel and be balanced as a unit. The flywheel should only be removed from the alternator if absolutely necessary. The keyed shaft will allow the flywheel to be replaced and maintain its balancing. The flywheel must not be mounted on any other alternator. Balancing can only be maintained if the flywheel is mounted on its original alternator.

1. Set the on/off switch in the off position.
2. Remove both covers per Procedure 7.17.
3. Loosen the upper and lower alternator mounting bolts and rotate the alternator so that tension is removed from the secondary drive belt.

Diagram 7.20 - Secondary Drive Belt Mounting, C846 version 1



4. Remove the secondary drive belt.
5. Remove the red, black and white wiring from the alternator (See Diagram 7.21).
6. Remove the upper and lower alternator mounting bolts and remove the alternator/flywheel.

Diagram 7.21 - Alternator Wiring

7. Set the new alternator/flywheel in its mounting position, insert the upper and lower mounting bolts and hand tighten.
8. Replace the secondary drive belt. Attach a drive belt tension gauge (Pecor part # 20030-108 or equivalent) to the upper span of the secondary drive belt. Rotate the alternator until the tension gauge reads 60 pounds \pm 5 pounds. Maintain the belt tension and tighten the upper alternator mounting bolt. Securely tighten the upper and lower mounting bolts.
9. Replace the alternator wiring as shown in Diagram 7.21, torque the nuts that retain the alternator's wiring to 12 in/lb.
10. Check the cycle's operation per Section 4.
11. Replace both covers per Procedure 7.1.

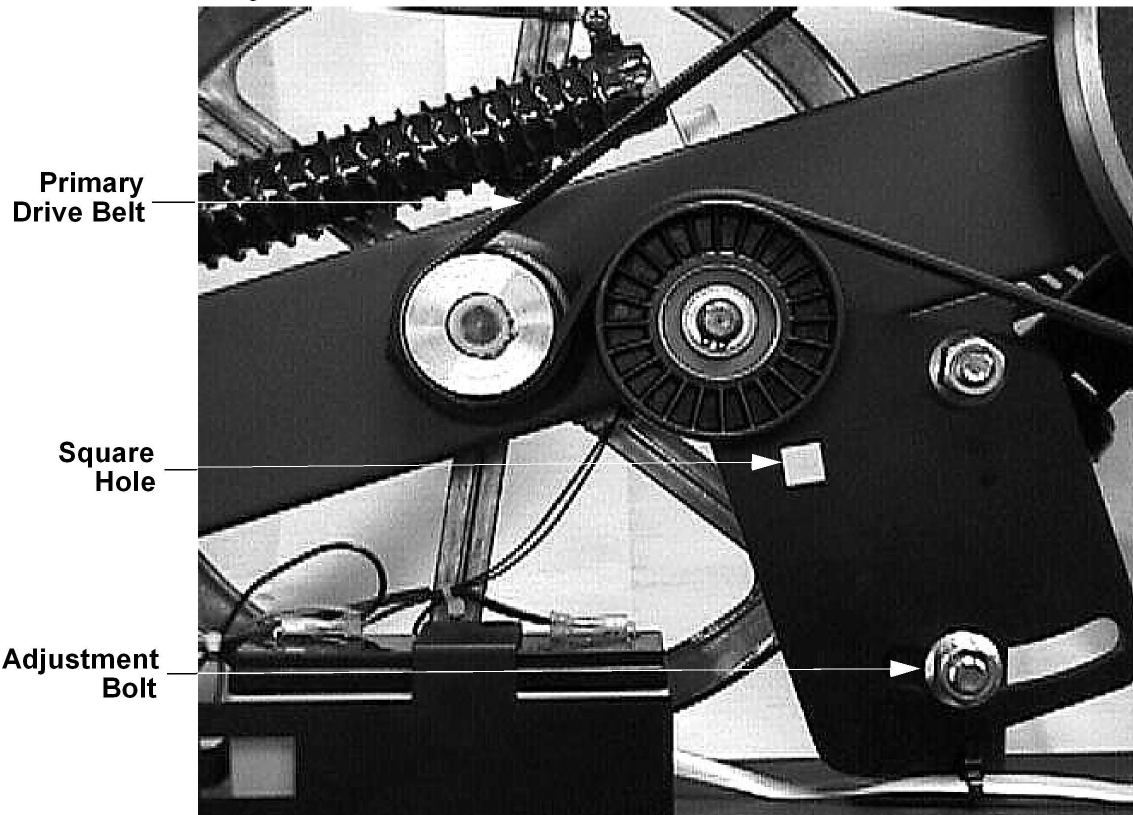
Note:

Should it be necessary to remove the flywheel from the alternator, torque the flywheel mounting bolt to 200 in/lb after replacing the flywheel. The flywheel must be remounted on the original flywheel because the flywheel and alternator are balanced as a pair. Do not inter-mix flywheels and alternators.

Procedure 7.14 - Replacing the Primary Drive Belt

1. For C842 and C846 version 2 units, skip to step 8. For C846 version 1 units, continue with step 2.
2. Set the on/off switch in the off position.
3. Remove the right hand cover per Procedure 7.1.
4. Loosen both idler bracket mounting bolts and release the tension from the primary drive belt. Remove the primary drive belt.

Diagram 7.22 - Primary Drive Belt, C846 version 1



5. Set the replacement primary drive belt in its mounting position as shown in Diagram 7.22. Snug but do not tighten the upper idler bracket mounting bolt. Attach a drive belt tension gauge (Precor part # 20030-108 or equivalent) to the upper span of the primary drive belt. Insert a 1/2" drive socket wrench into the square hole shown in Diagram 7.22. Rotate the drive bracket clockwise until the tension gauge reads 90 pounds. Torque both idler bracket mounting bolts to 350 in/lbs.
6. Check the cycle's operation per Section 4.