

CONTINENTAL DRIVE GEAR COMPONENTS AND B&C ALTERNATORS



OVERVIEW

The following synopsis of Continental alternator (generator) drive gear components has been assembled to help the Homebuilder evaluate and select useable drive parts for installation on the 200G and BC433-H Alternators. Acceptable components must be both *dimensionally-correct* (the “right part”) and in *serviceable* condition (a “good part”). Since the drive gear assembly interfaces with the internals of the Continental engine, B&C views both correctness and condition with great seriousness -- and we reserve the right to reject specific components after inspection by one of our trained Technicians.

THE CONTINENTAL DRIVE GEAR ASSEMBLY

The Continental drive gear assembly has been a durable accessory drive solution when installed correctly. Given the way this assembly interfaces with the Continental engine, care is still advisable.

First, we caution against the use of non-Continental Motors components. These have become available in recent years, often at attractive prices; however their durability remains to be proven over time. Second, physical condition of the components (if previously in service) should be carefully considered. Trouble-free use of the assembly hinges on this.

When removing a drive gear assembly from an old generator, avoid nicking or scratching the small diameter of the Hub — this is an oil-sealing surface with tight tolerances. Since there are several versions of the Hub in circulation, be certain also to confirm that the inside diameter (or I.D.) of the Hub measures .50” (per the OEM part); no other I.D. will work. Similarly, the overall thickness of the Gear (including the sides or tangs) must measure 1.20”.

Again, no other dimension will work. Please call us if you have any questions.



ACCEPTABLE CONTINENTAL PART NUMBERS

	Acceptable for Use with ...		Notes
	200G	BC433-H	
Hub 530406	YES	NO	Side thickness = 0.175" Inside diameter = 0.50"
Hub 653983 (latest revision)	YES	YES	Side thickness = 0.240" Inside diameter = 0.50"
Retainer 352030	YES	NO	Wall thickness = 0.036"
Retainer 653982 (latest revision)	YES	YES	Wall thickness = 0.051
Sleeve 530407	YES	YES	Inside diameter = 0.48"
Gear 531325	YES	YES	Inside diameter = 0.67" Gear thickness = 1.20"
Nut 530412	YES	YES	Castellated (slotted)