



Technical Service Instructions For Press-Fit bottom bracket adapter (Version 1.0)

Congratulations on your purchase of a Giant TCR/Defy/ Avail Advanced Composite Technology series bicycle. Giant composite bicycles represent the latest achievement in design and engineering, but also requires special attention. While Giant engineers utilize the highest quality materials to form this bike, you must follow certain guidelines and use proper equipment to attain optimal performance.

WARNING Do not modify the frame. Do not face, grind or cut the bottom bracket shell. Any modification will affect the bottom bracket interface and will void the warranty.

Failure to follow these instructions may result in hidden damage to the composite frameset. Damage to the frameset may cause loss of structural integrity, which may result in serious personal injury.

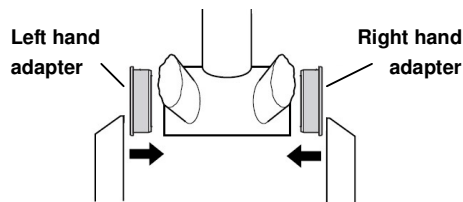
Only proper installation will bring out the best performance and comfort in your frameset. Since the installation of the Press-Fit BB adapter is a complicated task requiring training and experience, only Giant authorized dealers should complete the sophisticated process.

There are different types of Press-Fit BB adapters. Be sure to check the table below before selecting which BB adapter to use. If the BB adapter is not suitable, serious personal injury may result.

BB Adapter Model	Chainwheel/Crank Model
SHIMANO ISMC7800P	SHIMANO HOLLOWTECH II
FSA BB-AL86	FSA MEGAEXO Alloy Series
FSA BB90-CF86 Ceramic	FSA MEGAEXO Carbon Series
FSA BB90-CF86	FSA MEGAEXO Carbon Series
SRAM BB	SRAM GXP Series
CAMPAGNOLO	ULTRA TORQUE SERIES

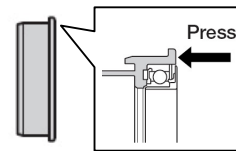
Installation

Step 1: Apply a neutral grease inside the frame's bottom bracket cups, then install the left and right-hand press-fit BB adapters:

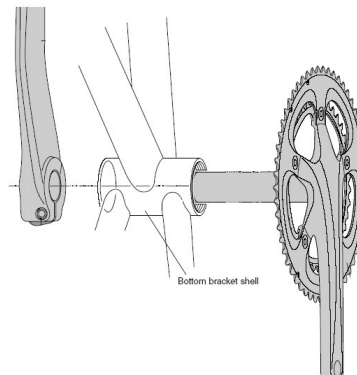


Press-fit the adapters by tightening them in a vise, while applying pressure evenly to both sides so that they do not become tilted.

CAUTION When doing this, push only at the points indicated by arrows in the illustration. Pushing anywhere other than these points may damage the ball races of the bearings.



Step 2: Installation of the front chainwheel/crank:



NOTE: Make sure to follow the installation instructions provided by the manufacturers of the chainwheel/crank.

NOTE: This manual is designed to provide information for installation of a bottom bracket into a Giant composite frameset. Please refer to the specific manufacturers' enclosed guide for final crankset installation details.

Removing

Push out firmly from the inside using a blunt tool.

NOTICE: Do not reuse the adapters as they can be damaged from removal.

CAUTION Avoid scratching or damaging the frame/BB shell during the removal of the BB adapters

Warranty

Please refer to the Giant Owner's Manual or visit our Web site: www.giant-bicycles.com for complete provisions of the warranty.

