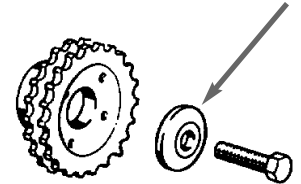


Tightening Camshaft Drive Gear

Vehicle Type: **911 Carrera Model Year 1995 on, and 911 Turbo Model Year 1996 on**

Concern: A new version washer is now installed with the securing bolt of the camshaft drive gear.

Information: The washer under the securing bolt for the camshaft drive gear has been changed. The new version washer can be identified by its black color on the bolt head side and a light color on the side facing the camshaft drive gear. The new version washer is installed in production as of :



Engine number M64/60 - 61 V 01052 (911 Turbo)

Parts Information:	Part Number	Description
	993 105 163 50	New version washer
	900 082 072 01	Bolt (Unchanged)

Repairs: If, during engine repairs, the camshaft timing is found to be incorrectly adjusted, the new version washer and a new bolt should be installed. The light colored side of the washer faces the drive gear. An additional change in the tightening method of the camshaft gear bolt **for only the 911 Carrera** has also taken place. However, the revised tightening method applies only when repairing engines built through the following engine numbers and when installing the new version washer:

- M64/07 - 64 S 04021 (911 Carrera with manual transmission)
- M64/08 - 64 S 51159 (911 Carrera with Tiptronic transmission)

Tightening torque of camshaft drive gear bolt with new version washer: 120 Nm

911 Carrera Engines built after the above-mentioned engine numbers have 4 hole camshaft drive gears installed. When installing the new version washer in these engines the following torque method applies:

- 1st stage Setting torque: 20 Nm (15 ftlbs)
- 2nd stage Tightening angle:90°

This method also applies to all 911 Turbos (993).

Refer to the workshop manual 911 Carrera (993) Vol. 1, page 15-20 or to the 911 Turbo (993) workshop manual, Vol. 1, page 15-3.

Important Notice: Porsche Cars N.A Technical Bulletins are intended for use by professional technicians, not a "Do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Special tools may be required to perform certain operations identified in these bulletins. Use of tools and procedures other than those recommended in these bulletins may be detrimental to the safe operation of your vehicle. Properly trained technicians have the equipment, tools, safety instructions and know-how to do a job properly and safely. If a condition is described, do not assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your Porsche Dealer for information on whether your vehicle may benefit from the information. Part numbers listed in these bulletins are for reference only. Always check with your authorized Porsche dealer to verify correct part numbers.
©1997 Porsche Cars North America, Inc.

Dealership	Service Manager _____	Shop Foreman _____	Service Technician _____	_____	_____	_____	_____
Distribution	Asst. Manager _____	Warranty Admin. _____	Service Technician _____	_____	_____	_____	_____
Routing							

The trademarks Porsche®, Targa®, Carrera®, Boxster®, Tiptronic®, Varioram® and the Porsche Crest are registered trademarks of Dr. Ing. h.c.F. Porsche AG and its affiliate, Porsche Cars North America, Inc.