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Major System: ENGINES

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Current Language: English

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Other Languages: [Français](#), [Español](#)

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Coding Information

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Title: Pivot Shaft Service Kit compatibility for the EGR I-6 Borg Warner turbocharger

Applies To: 2004-2006 EGR I-6 engines

DESCRIPTION

A design change in 2004 changed the casting shape of the exhaust side of the turbo body. The original design had a pointed body casting abutting to both sides of the pivot shaft housing. The re-designed body converted to a round casting. The replacement flange will not fit the older design turbo. The turbo charger assembly will need to be replaced.

SYMPTOMS

- Low power issues
- Turbo does not pass the bounce test
- Repair kit# 5010620R91 (Pivot Shaft Service Kit) will not mate with the turbo body design

POSSIBLE DIAGNOSTIC TROUBLE CODES

DTC	MODULE	DESCRIPTION
353	Engine	VGT control over duty cycle
354	Engine	VGT control under duty cycle

PARTS INFORMATION

Part #	Description	Qty.
5010620R91	Pivot Shaft Service Kit	1

RESOLUTION

The turbo charger assembly will need to be replaced.

OTHER RESOURCES

- [Updated I6 EVRT/VGT Diagnostics Check Sheet and Turbocharger \(IK1200163\)](#)
- QS 9000 Instruction Sheet Turbocharger VGT Pivot Shaft Kit 1171915R1 (comes with the flange kit)



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