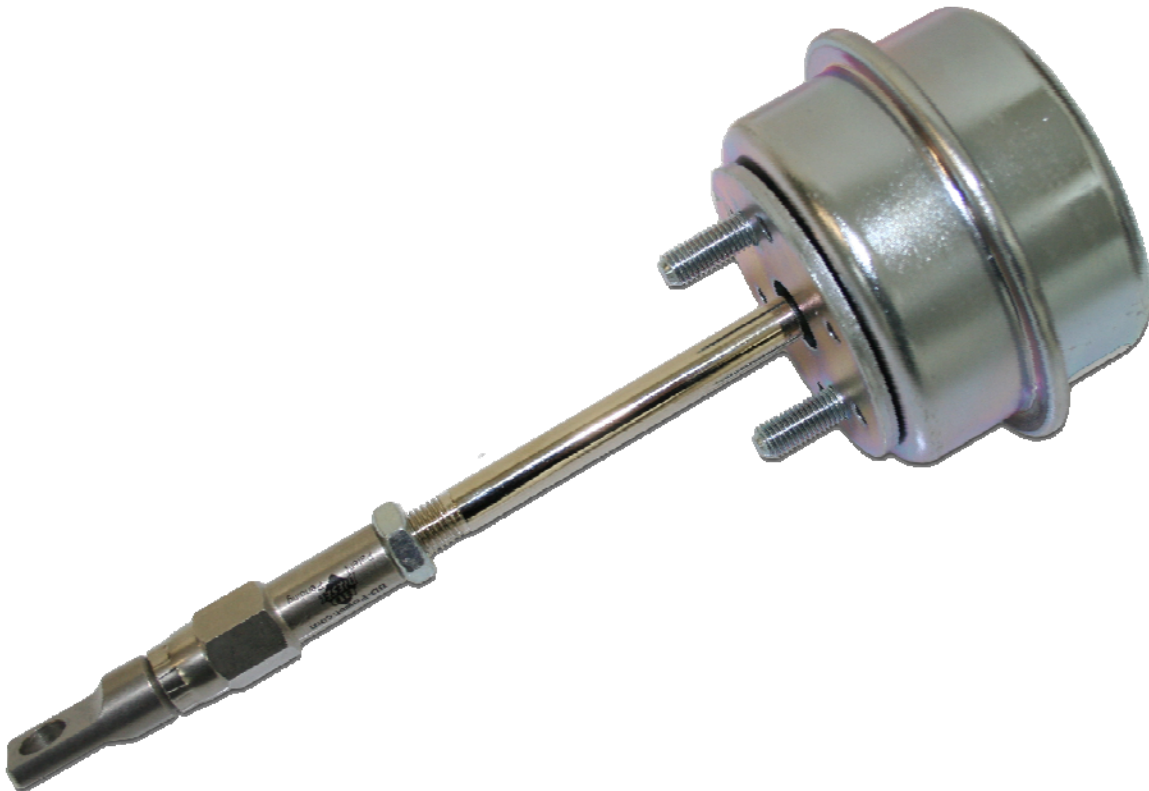




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ADJUSTABLE TURBO WASTEGATE KIT
1999-2002 HX35 Dodge 5.9L Cummins
- Installation Manual -

P/N# 1047151

**NOTE: THIS WASTEGATE KIT WILL NOT FIT 2001-02 AUTOMATIC VEHICLES
WITH THE HY35 TURBO.**

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION.

**UNLESS AN EO# IS LISTED, THIS PRODUCT IS LEGAL IN CALIFORNIA FOR
RACING VEHICLES ONLY, WHICH MAY NEVER BE USED UPON A HIGHWAY.**

BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 1124 Fir Avenue, Blaine, WA 98230 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bddiesel.com

Introduction

The purpose of this kit is to allow the user to adjust the amount of boost pressure generated by their turbocharger. The larger diaphragm prevents waste gate creep and controls the waste gate much more efficiently.

Available Accessories

- *BD Super B turbo, BD Twin Turbo, BD Super B Special turbo*

Kit Contents

Part Number	Description	Qty.
1452255SS	Rod End	1
1130141	5/16" Nut	1
1462446	Lock Nut	2
1453205	Actuator	1
1407153	Clamp	2
1407152	Circlip	1
1407155	Silicone Hose	7.5"

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Installation

1. Remove the factory wastegate using an 11mm socket or wrench to remove the nuts holding the wastegate to the compressor housing.
2. Remove the cir-clip. Be sure to save this as it will be re-used later.
3. Slide the wastegate off of the actuation rod and discard it. Note that you may need to apply air pressure to the wastegate cylinder to remove the wastegate.

4. Install the BD High Performance

Wastegate into the compressor housing and secure to the housing using the supplied mounting nuts (finger tight). Be sure to orientate the wastegate hose inlet correctly as well as install the wastegate adjustment locknut. Apply air pressure to the wastegate diaphragm; this should



stroke the rod end forward. Align the wastegate arm hole with the BD rod end and insert and lock into place with the supplied cir clip. Once the clip is in place you can then tighten the mounting nuts.

5. Install the provided wastegate hose. Be sure not to kink it or using a radius that is too tight when connecting the hose.
6. To adjust the unit, loosen the lock nut and turn the rod end. Remember: the shorter the rod, the more boost pressure you will make. When looking at the rod end, turn the rod end clockwise for more boost pressure. The wastegate is pre-set to open at 30psi. Once you have set the boost pressure, re-install the circlip and tighten the lock nut.

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Remember: for more boost pressure, shorten the wastegate rod, and for less boost pressure, lengthen the wastegate rod.

