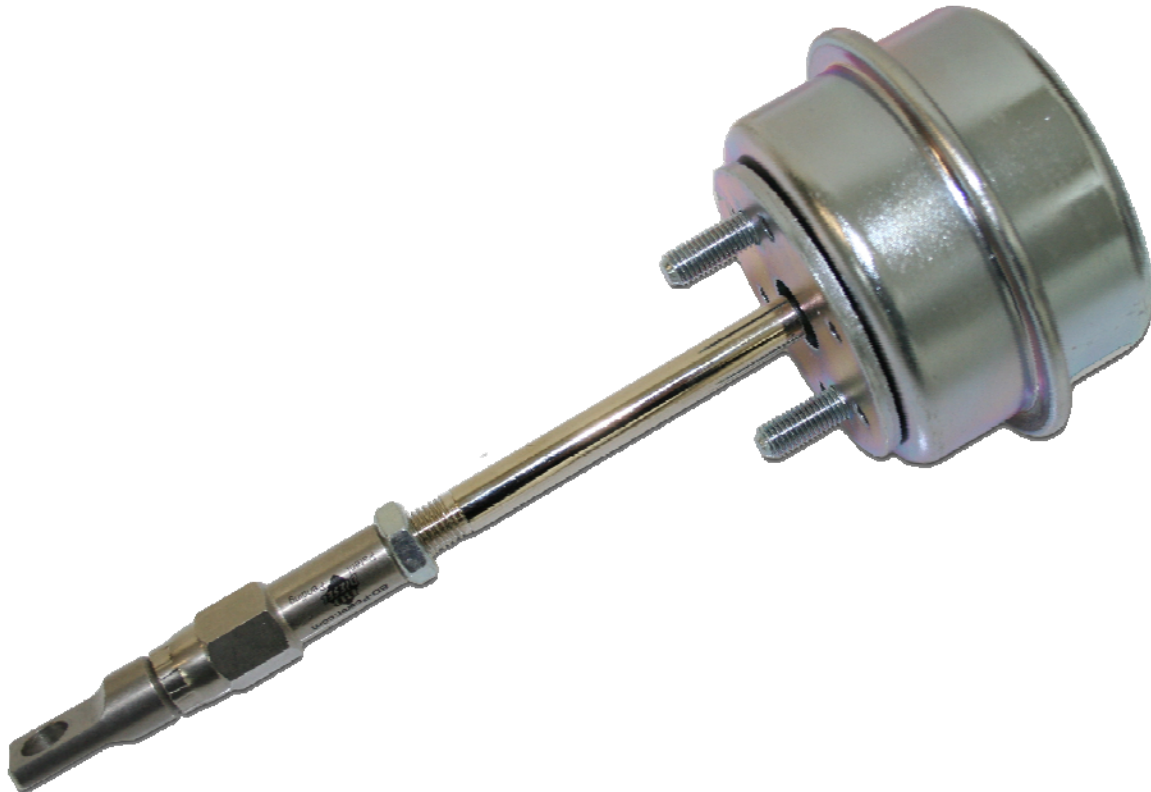




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**2003-2007
HY-35/HE351CW/HE351W/HE351G
Dodge Adjustable Waste Gate Kit**

P/N# 1047154

PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION.
Please read the disclaimer before proceeding to install this unit.

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

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
1453226	Actuator	1
1407153	Clamp	2
1407152	Circlip	1
1407155	Silicone Hose	9"

BD Engine Brake Inc.

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

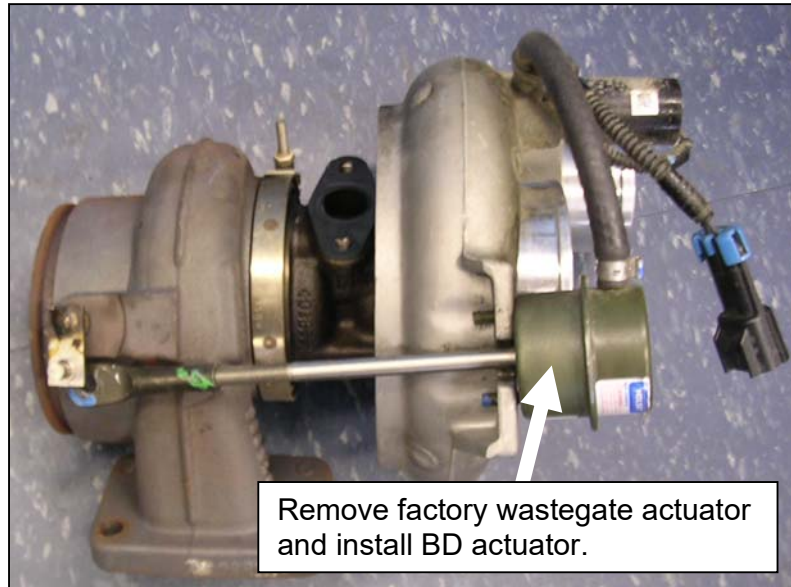
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Installation

1. Remove the factory wastegate by 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 or use too tight of a radius 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.

