

# MULDON'S

— Diesel Performance

## MDP High Performance Valve Body

Thank you for considering and choosing our high performance valve body for your transmission. Here are some guidelines for the valve body setup.

Front Band Adjustment – torque band adjustment bolt to 72 inch-pounds, back off 1 and 3/4 turns.

Pressure adjustment – valve body pressures vary from build to build, and the higher the pressures, the harder the shifts. Here are some pressure guidelines.

Stock truck 120-140 PSI in overdrive+lockup

Modified Engine 500-700 Horsepower 160-180 PSI in overdrive+lockup

Heavily Modified 700+ Horsepower 180-200 PSI in overdrive+lockup

HP Auto Valve Bodies will make 120-140 PSI Unlocked Gears 1-3

70-90 PSI Idle Line pressure is normal for HP valve bodies.

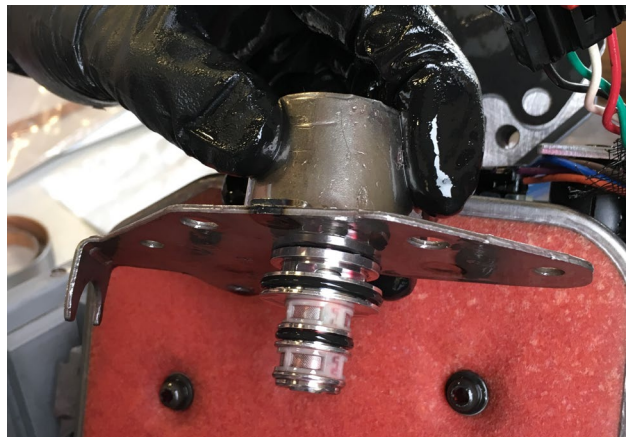
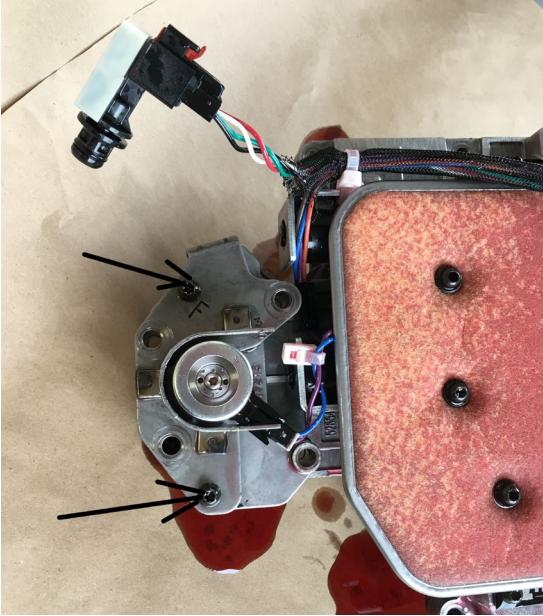
We do not recommend going over 200 PSI line pressure, as we have found it degrades the bellville spring in the forward clutch drum and can potentially turn it inside out.

Pressures are checked at the accumulator port of the transmission, passenger side, second port back (behind intermediate servo) – commonly referred to as kickdown servo.

If pressures are too high or low, adjust the pressure regulator screw on driver side of the valve body with a cut down 3/16" allen key. Do not adjust the TV minimum (blue loctite screw). For every 1 turn counter-clockwise, you will gain 10 PSI line. 1 turn clockwise will drop 10 PSI line.

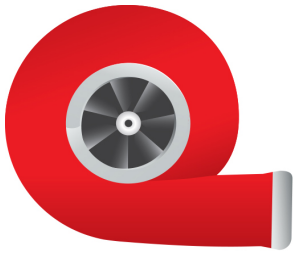
## Preparation for installation

We remove the transducer to prevent damage in shipping. Before you install the valve body, you will need to remove the Governor Pressure body – held in place by two T25 torx head screws. Lift out the bracket that holds in the governor pressure solenoid. This bracket also holds the transducer into the Governor Pressure body. Insert the transducer into the opening and replace the governor pressure solenoid and bracket making sure that the bracket engages the solenoid in the first land (as pictured below). Also make sure the orientation of the two gaskets is as pictured below.



If you have any questions regarding our valve body, please feel free to call (302) 276-2882, or send us an email to [muldoonsdiesel@gmail.com](mailto:muldoonsdiesel@gmail.com)

Once again, thank you for choosing our product, and have fun banging gears!



# **MULDOON'S**

*Diesel Performance*

## **CORE RETURN**

**Customer Name:** \_\_\_\_\_

**Customer Telephone:** \_\_\_\_\_

**Product Purchased** \_\_\_\_\_

**Credit Card # For Core credit** \_\_\_\_\_

**Expiration** \_\_\_\_\_ **Security Code** \_\_\_\_\_

### **Core Return Policy**

**If core return sheet is not completed and returned with your core, we will not honor a core refund.**

**Cores must be returned within 2 weeks of product receipt.**

**Cores returned after 2 weeks are subject to a \$25.00 refund reduction per day.**

**If returned core is found to be damaged, compromised or unacceptable in any way Muldoon's Diesel Performance LLC has the right to refuse it.**

**Valve Bodies must be unmodified and have original rooster comb.**

**Transmissions must be complete with no missing internal parts.**

**Valve bodies and Transmissions must be completely drained of all oil.**

**The core returned must match the core sent out.**

**For MDP Use Only**

Date Core received: \_\_\_\_\_

<b>Item</b>	<b>Y</b>	<b>N</b>
Core intact		
Rooster Comb		
Electronics		
Modified		

Refund amount: \_\_\_\_\_

Date refunded: \_\_\_\_\_