



610 South Street New Castle DE 19720

(302) 276 2882

Transmission Instructions

Thank you for purchasing a Muldoon's Performance Transmissions automatic transmission. Here are some guidelines to help you install your transmission.

Make Sure the alignment dowels from your old transmission are transferred to the new transmission. Failure to do so WILL result in damage to your new transmission and will not be covered under warranty.

Be sure to fill the torque converter with at least 2 quarts of fluid (preferably 4). Using a transmission specific funnel aids in this process and makes less of a mess if the funnel protrudes down past the converter hub (fill slowly).

Transmission fluid recommendation is Dexron III, commonly referred to as Dexron/Mercon. Any brand that meets the Dexron III specification is fine.

Prior to installing the torque converter, make sure to apply a coating of assembly lube to the snout of the input shaft. Make sure that the torque converter is completely seated in the oil pump, and that once the transmission is installed that there is at least 1/4" freeplay between the torque converter and flexplate.

Do not use the spacer in between crank bolts and flex plate, unless otherwise noted.

Flexplate to Crank bolts torque 110 foot pounds + Red thread locking compound.

Converter To Flexplate bolts torque 35 Foot Pounds + Blue Loctite.

Before you start your engine install pressure gauge to accumulator port (second port back on passenger side).

It is imperative that transmission line pressure is verified for warranty validity.

Dry fill capacity will be 17-25 quarts depending on cooler configuration and pan depth.

Initially the transmission fill capacity with engine off is 7 quarts.

Fill in neutral slowly with engine running. Once remaining transmission fluid is filled, cycle through the gears, place shifter in neutral and check fluid level.

Check Pressures with a pressure gauge, rear wheels on jackstands.

Pressures are checked second test port back, passenger side.

Reverse pressures are checked on the rear port of the transmission, passenger side. (Port facing rear of truck)

Please Call the shop at (302) 276-2882 with pressure readings, or email them to muldoonsdiesel@gmail.com

Idle in Drive _____ PSI

¼ Throttle Drive _____ PSI

½ Throttle Drive _____ PSI

100% Throttle Drive _____ PSI This will be your fourth gear lock up pressure.

Idle in reverse _____ PSI

Customer must also change the fluid and adjust the front and rear band at approximately 1,000 miles.

Thank you for purchasing a Muldoon's Transmission, if you have any questions, please contact us at (302) 276-2882 or email us at muldoonsdiesel@gmail.com

If you need to return a core transmission to us, please read the following:

- Make sure your core transmission is well-secured to the pallet. Please make use of the ratchet straps that were sent with your transmission or get new ones if they were damaged in shipping.
- Please include your drained torque converter (it's \$350.00 of the \$2,000.00 core charge). It is best secured inside the box in which your new torque converter was sent. Otherwise, strap it down to the pallet (snout up) or if left on the input shaft (least preferred option), make sure to secure it to the bell housing with metal strap. We do not need your stock flex plate.
- Once everything is ready, please either email us at muldoonsdiesel@gmail.com or call (302) 276-2882, select option 3 (shipping). We'll need to know on what day(s) you'll be available for the pick-up. Pick-ups typically occur in the afternoon hours and we need to provide a minimum of a 2-hour window. Please be aware that freight pick-ups are not guaranteed to occur on the date scheduled but do usually occur within the 1-2 days of requested date.
- Once we receive your request for the pick-up, we will get it scheduled and you will receive an email from Unishippers with a Bill of Lading (BOL) attached. Please print two copies of the BOL to have ready for the driver. They will not pick up if no one is present.



610 South Street
New Castle DE 19720

CORE RETURN

Customer Name: _____

Customer Address: _____

Customer Telephone: _____

Product Purchased _____

Core Return Policy

Core refunds are processed in the form of a check mailed to the shipping address provided.

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. We expect a light film of oil on the case but if your core is caked with dirt/debris when received, we will deduct \$50.00 from your core refund.

If returned core is found to be damaged, compromised or unacceptable in any way Muldoon's Performance Transmissions has the right to refuse it. It is the responsibility of the customer to properly package and secure the core for return shipment.

Transmissions must be complete with no missing internal parts. Please reuse the ratchet straps that were used when we sent your transmission.

Valve bodies, Transmissions and Torque Converters must be completely drained of all oil.

The core returned must match the core sent out (e.g., 48 for 48).

For MPT Use Only

Date Core received: _____

| Item | Y | N |
|------------------|---|---|
| Case | | |
| Torque Converter | | |
| Direct Drum | | |
| Reverse Drum | | |
| O/D Housing | | |
| Valve Body | | |
| Stator | | |
| | | |
| | | |

Refund amount: _____

Date refunded: _____