



INSTRUCTIONS FOR RAM CLUTCH PEDAL ADJUSTMENT VALVE

THIS RAM SYSTEM WILL ALLOW YOU TO CONTROL THE PEDAL POSITION OF YOUR CLUTCH ENGAGEMENT AS WELL AS THE OVERALL TRAVEL OF THE HYDRAULIC SYSTEM. KEEP IN MIND THAT THIS SYSTEM WILL NOT INCREASE TRAVEL, ONLY LIMIT IT. IF YOU ARE USING THIS ADJUSTER WITH A FACTORY HYDRAULIC SLAVE ADAPTERS MAY BE REQUIRED TO COMPLETE THE INSTALL. A COMPLETE LISTING FOLLOWS THESE INSTRUCTIONS.

DO NOT RETURN THIS PRODUCT TO YOUR DISTRIBUTOR. IF YOU HAVE QUESTIONS CONTACT THE FACTORY AT 803.788.6034.



Install the included tee fitting into the adjuster housing. USE TEFLON TAPE TO INSTALL THIS FITTING. DO NOT USE LIQUID PIPE SEALANTS, LOCTITE, OR ANY OTHER MATERIAL.

Determine where you will install the valve. It can be located anywhere in the hydraulic feed line between the release bearing inlet and the master cylinder. For ease of adjustment we recommend installing it near the master cylinder.

Connect one end of the hydraulic feed line from the slave/bearing to one side of the HSA valve. Connect the included 12 inch line to the other side.

Connect the 12 inch line to the master cylinder or opposite side of the feed line from where you connected the HSA valve.

Locate a suitable point to secure the valve and mount using zip ties.

USING THE ADJUSTMENT VALVE

Prior to bleeding the system, loosen the lock down nut from the adjuster screw and turn the screw in clockwise all the way. Snug the lock down nut.

Bleed the system normally.

After bleeding, note the engagement position of the clutch pedal. Back the adjuster screw out a couple of turns and retighten the lock down nut. Test the pedal again, noting engagement point.

Continue this operation until the desired release position is obtained. MAKE SURE you are still getting complete release of the clutch system.

USING THE ADJUSTMENT VALVE TO PRESET RELEASE BEARING TRAVEL

If you are completing a new installation with an aftermarket slave/bearing, you can use the valve to preset the bearing travel.

Prepare the bearing install and hang the bearing under the vehicle which it is to be installed on. Hook up the lines and the valve and bleed the system as described above.

Manually retract the hydraulic bearing, and then have someone cycle the pedal. Measure the amount of bearing travel you are achieving.

Adjust the HSA valve accordingly to achieve roughly .500" of total travel.

USING THE ADJUSTMENT VALVE WITH FACTORY INTERNAL SLAVE CYLINDERS

You will need the proper adapter fittings to complete this install. Part number is 78310. Additional adapters may be needed to complete the install. A complete listing of RAM fittings and hoses available are listed here.

78310 Adapter fitting Adapts factory master to -3an male, GM 05-up, Ford 05-up

78320 Teflon line 12" -3AN straight to straight ends

78322 Teflon line 18" -3AN straight to straight ends

78324 Teflon line 36" -3AN straight to straight ends

78326 Teflon line 18" -3AN straight to 90 degree ends

78328 Teflon line 36" -3AN straight to 90 degree ends

78335 Adapter fitting -3AN male to -3AN male

78337 Adapter fitting -3AN male to -4AN male

78339 Hose fitting -4AN female reusable hose end

78341 Adapter fitting Compression fitting 1/8" to male 1/8 pipe thread

78343 Adapter fitting 1/8 female pipe thread to -3AN



RAM Automotive Company, 201 Business Park Blvd, Columbia, SC 29203 803.788.6034 [email us!](#)

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