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Fitting instructions for

MFK925/400 and MFK925RB/400

TH400 to

Nissan GQ and GU Patrol

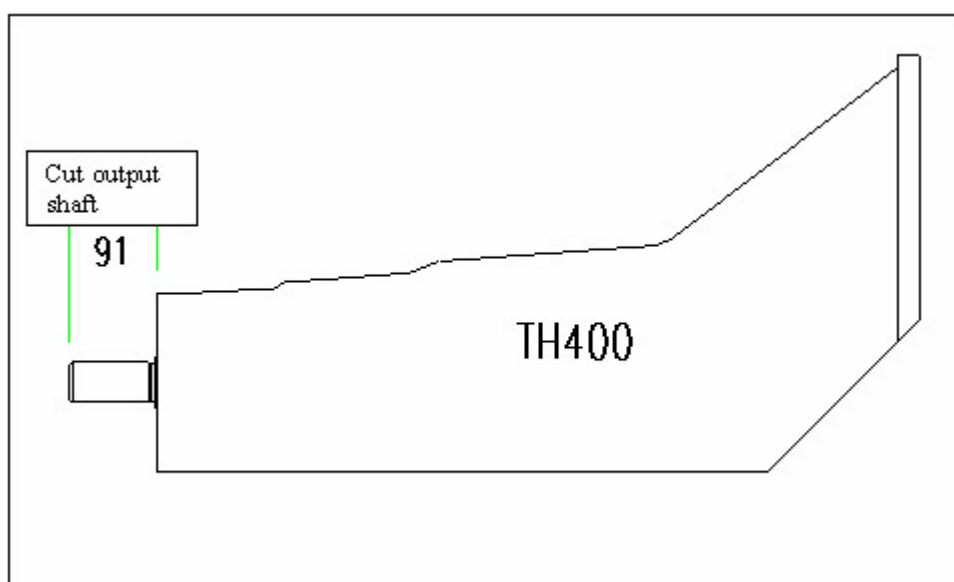
5-speed and Automatic Transfer Case

Thank you for purchasing a product manufactured by Marks 4WD Adaptors. The following instructions are intended as a guide. We recommend that you purchase a service manual pertaining to your vehicle for specific torque values, wiring diagrams and other related information.

The following instructions assume the transmission is removed from the vehicle.

INSTRUCTIONS

TH400 output shaft diagram.



Measure 91 mm from the rear of the TH400 case. Ensure that there is sufficient spline to engage the spud shaft. Cut the output shaft as illustrated. Remove all burrs and grind a chamfer on the end, check it using coupler shaft supplied in the kit. NOTE: You must use a short shaft TH400 with a shaft stick length of 120mm and a spline length of 73mm.

1. Drain the gearbox and transfer case oil.
2. Disconnect the transfer case linkages, lockout plate and pivot pin from the original Nissan extension housing.
3. Remove the transfer case from the gearbox.
4. Fit the TH400 extension housing sealing ring to the steel adaptor plate spigot. **NOTE:** A TH700/4L60E o ring can be used.
5. Put a thin smear of silastic on the mating faces.
6. Fit the steel adaptor MFC1200F to back of the automatic transmission and secure it using the 6 x 3/8 " socket head cap screws supplied in the kit. **NOTE:** Check to make sure the socket head cap screws do not bottom out in the transmission taped holes. If they do cut or grind them down.
7. Fit a new sealing ring to the cast adaptor housing (MFC925). **NOTE:** A TH700 or a 4L60E-sealing ring can be used.
8. Put a thin smear of silastic on the mating faces.
9. Fit the adaptor housing MFC925 to the steel adaptor plate and secure it using the 4 M10x1.5x30 socket head cap screws supplied in the kit. **NOTE:** Check to make sure the socket head cap screws do not bottom out in the adaptor taped holes. If they do cut or grind them down.
10. Slide the coupler shaft over the output shaft on the automatic transmission. **NOTE:** Lubricate the spline on the output shaft using ATF.
11. Fit the new seal in the rear of the adaptor housing with the spring facing the transmission. **NOTE:** Use sealer and a suitable drift to fit the seal.
12. Fit the 2 M12x20 dowels (MFC382) to the adaptor housing.

RB30 MODELS ONLY

1. Cut the original transfer case linkage rod in half. Weld the new extension piece supplied between the two halves.
2. The oil catcher under the transfer case input seal will need to be cut off. If this is not done the oil catcher will foul on the adaptor oil seal. The photo below shows a transfer case with the oil catcher.
3. Fit the transmission assembly to the transfer case and secure it using the original bolts.



4. Fit the transfer case linkages, lockout plate and pivot pin to the extension housing.
5. Fit the linkage and the original lever to the side of the adaptor housing along with the new lockout plate supplied.
6. Fit the torque converter to the transmission and put a small amount of grease on the location spigot.
7. Fit the flex plate to the engine and secure it using the GM crankshaft bolts. **NOTE:** Use locktite on the bolts and torque to specification.
8. Apply a small amount of grease in the crankshaft pocket.
9. Lift the complete assembly into the vehicle and secure it to the engine using the GM bellhousing bolts. **NOTE:** One of the top bolts also secures the dip stick tube.
10. Fit the cross member and the transmission mounting rubber using the original bolts.
11. Fit the torque converter bolts. **NOTE:** Use locktite on the bolts and torque to specification.
12. Fit the torque converter cover plate and secure it using the GM bolts.
13. Fit the front and rear drive shafts.
14. Fit the transmission cooler and pipes. **NOTE:** Keep the pipes well clear of the exhaust system.
15. Fit the transmission shifter. **NOTE:** A B&M or Hurst type can be used.
16. Fit the HI/LOW lever and boot.

17. Connect the inhibit switch and reverse light switch.
18. Fill the transmission with ATF.
19. Start the engine and allow it to warm up and check for oil leaks.
20. Before road testing check the transmission oil level.
21. Road test the vehicle for 1 to 5km.
22. Then check again for oil leaks.

The components supplied in the kit are designed for specific type conversions. Modifications to any components without the written consent from Marks 4WD Adaptors will void any possible warranty or return privileges. Should you have any further questions that are not covered in the instruction sheet, please contact our sales department for assistance.

Remember an inexpensive phone call can save a costly mistake!

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