TECH BULLETINS TSB-NI14

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## ClutchTech R34 GTR Concentric Slave Cylinder Conversion Guide

Step 1: Remove all clutch lines including slave cylinder and hard line the master cylinder.

Step 2: Remove the rubber grommet from the bellhousing, using a flat blade screwdriver push the clutch fork to the rear of the vehicle and unclip the release bearing from the diaphragm.


Step 3: After removing the bellhousing bolts, remove the transmission from the vehicle.

Step 4: Inside the Bellhousing, remove the clutch fork, release bearing, nosecone and fork pivot. These are not required for the conversion.

Step 5:Clean the mounting surface at the back of the bellhousing.

Step 6:Bolt up the new release bearing adaptor ensuring that the orientation allows the concentric slave cylinder to have a port at top dead centre for the bleed line.

Step 7: Install the Bleeder line in the top port of the concentric slave cylinder and supply line to the side.

Step 8: Mount the new clutch braided line to the master cylinder ensuring the 10x1mm thread is used to connect the line with the master cylinder

Step 9: Clean the back of the crank with Emery paper and, using a suitable solvent, ensure both the crank facing and back of the motor are clean of oil and debris.

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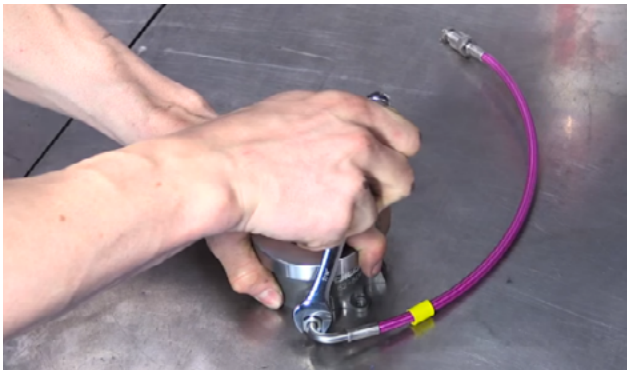

Step 10: Install the new flywheel, torqueing the flywheel bolts up to 128Nm. (remember to use thread lock on each bolt)

Step 11: Install the bottom friction disc with the hub facing away from the engine and with the alignment tool in place

Step 12: Install the intermediate disc and top friction disc in the same orientation.

Step 13: Install the main pressure plate casting with the fulcrum ring facing outwards.

Step 14: Install the alloy cover onto the adaptor ring and slowly tighten the M6 bolts in a circular motion half a turn at a time.

Step 15: Torque the M6 bolts up to 18 Nm

Step 16: Move the transmission into place and poke the clutch line through the rubber grommet in the top of the transmission.

Step 17: Push the braided line currently connected to the Concentric Slave Cylinder through the fork boot in the bottom of the bellhousing and connect the main clutch line.

Step 18: Before bolting up the slave. Gravity bleed the system using the bleeder line extension and clear tubing into a reservoir.

Step 19: As the System is gravity bleeding, shake the concentric slave cylinder to encourage all of the remaining bubbles out of the cylinder.

Step 20: With the csc still disconected from the vehicle. Bleed the csc manually with one person operating the pedal and the other opening and closing the bleeder nipple.

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Step 26: When confident that the system is air free, mount the concentric slave cylinder to the adaptor, ensuring everything is tight.

Step 27: Reinstall the transmission, but do not reinstall driveshafts or all bellhosuing bolts.

Step 28: Check the operation of the clutch by having an assistant put the vehicle into gear and depress the clutch. The tail shaft should rotate freely. Whilst doing this, check the engagement point, on this particular vehicle the pedal should also be very light.

Step 29: Install the remaining components on the vehicle and fix the bleeder line to an old slave mount using a zip tie.

youtube.com/watch?v=T8kql9Ue_rw

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