

# Tech Note 095

## BMW Twin Plate Clutch Installation

Ref: TN095

Issue Date: April 2017

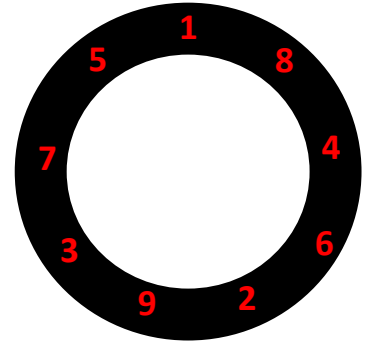
Issue Number: 1

**Disassembly and installation of this clutch requires a special alignment tool.  
Genuine BMW part number is 212300.**

### Disassembly

1. Insert the special alignment tool through the spline of the clutch until the locking device locks the twin plate clutch into place.
2. Make note of the alignment markings on the pressure plate and flywheel.
3. Progressively loosen the bolts on the pressure plate by a half turn each time (see diagram), until the diaphragm spring is no longer under load.
4. Remove the clutch from the vehicle. With the tool still located inside the clutch, place the tool handle in the vice and tighten.

**Note:** Do NOT remove the tool if you intend to reuse the old twin plate clutch.



### Assembly

1. Place the new twin plate clutch on a solid work surface with the clutch disc facing up.
2. Place the handle of the special alignment tool into the vice and tighten.
3. Remove the transport cable ties around the clutch.
4. Pull the locking pin on the special alignment tool to unlock it.
5. Place the clutch over the tool until the locking pin of the tool locks into place.
6. Line up the clutch with the DMF ensuring that:
  - a. The markings on the DMF and the clutch have an offset of 180°.
  - b. The coil springs are aligned with their corresponding bores.
  - c. The dowel pins are aligned with their corresponding bores.
7. Using the above pattern, bolt the clutch to the DMF, ensuring the correct torque specifications are used.
8. Remove the transport ring from the pressure plate.
9. Pull the locking pin on the special alignment tool to loosen the locking mechanism.
10. Remove the special alignment tool.

### NOTE

The clutch has been pre-assembled and balanced from factory. DO NOT attempt to install the clutch if:

- a) The clutch assembly has been disassembled.
- b) The transport wire ring is missing.
- c) The cable ties are missing.
- d) The alignment markings are not aligned correctly.