

# SERVICE INFO

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## Fitting instructions for DMF 415 0377 10

### Vehicle

manufacturer: BMW

### Models:

**E82:** 135i  
**E88:** 135i  
**E90:** 335i, 335xi, 335i xDrive  
**E91:** 335i, 335xi, 335i xDrive  
**E92:** 335i, 335xi, 335i xDrive  
**E93:** 335i

### OE Nos.:

21 20 7 542 984  
7 542 984

### Part Nos.:

415 0377 10 (DMF)  
400 0076 10  
(centering sleeve)



**Image 1:** Pilot pin on DMF 415 0377 10

Until now most vehicles had a gearbox in which the clutch shaft was guided into the crankshaft by pilot bearings.

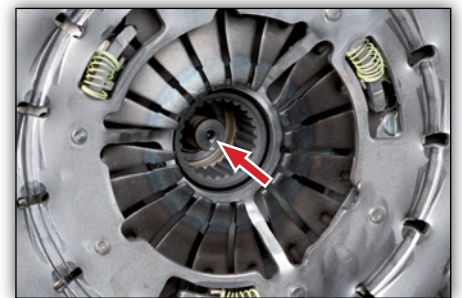
These gearboxes needed the clutch to be aligned using an alignment tool.

In the aforementioned vehicles, a gearbox is used in which the pilot bearing sits clutch in the shaft and this is then guided onto a pilot pin in the dual mass flywheel (see image 1+2).

To align the clutch, a centering sleeve (see image 3) is used instead an alignment tool.

The centering sleeve (item no. 400 0076 10) can be purchased via the normal distribution channel.

Page 2 of this service information document describes how the clutch is fitted and centred.



**Image 2:** 415 0377 10 with attached clutch (SAC)



**Image 3:** The centering sleeve (400 0076 10) must only be used on dual mass flywheels with pilot pins.

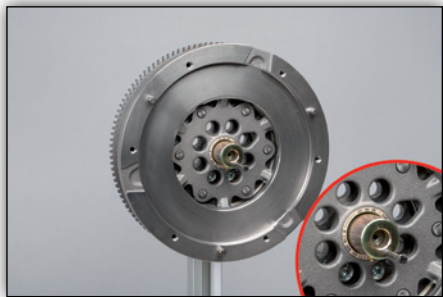
Any reference to replacement part numbers for vehicle manufacturers is for comparison purposes only.

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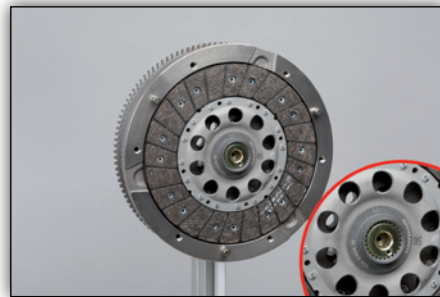
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**Image 4:** Fit the centering sleeve before assembling the clutch (watch out for the fitted screw).



**Image 5:** Attach clutch disc.



**Image 6:** Remove screw from the centering sleeve.



**Image 7:** Attach the clutch pressure plate and tighten the screws evenly and sequentially using the torque prescribed by the vehicle manufacturer.



**Image 8:** Unscrew locking element with appropriate tool and remove. This is no longer required.



**Image 9:** Remove the centering sleeve using the screw.

**Caution:**

Only remove the locking element when the fixing bolts on the clutch have been tightened.

Appropriate spare parts can be found in our on-line catalogue at [www.Schaeffler-Aftermarket.com](http://www.Schaeffler-Aftermarket.com) or in RepXpert at [www.RepXpert.com](http://www.RepXpert.com).

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Subject to technical changes

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