

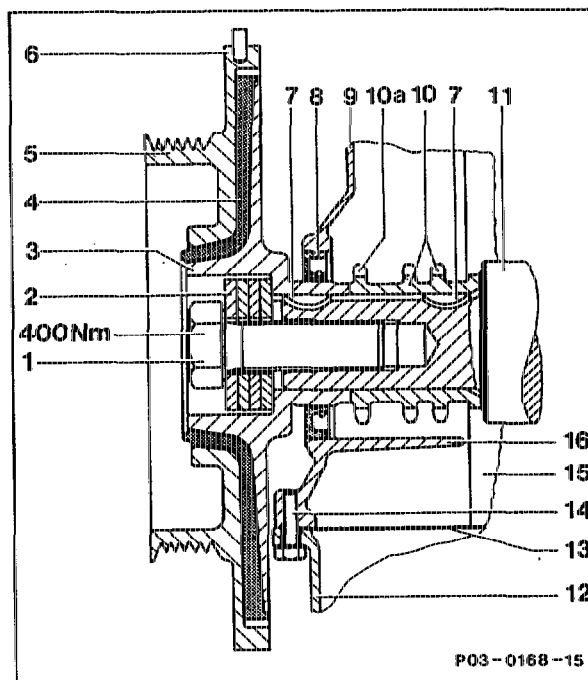
03-3422 Arrangement of belt pulley/vibration damper

1st version

Arrangement of vibration damper with integrated 6-groove belt pulley on secondary side.

Engine 104.98 up to 01/91

- 1 M18×1.5×55 (10.9)
- 2 Dished washer
- 3 Vibration damper primary part
- 4 Elastomer
- 5 Belt pulley (6-groove)
- 6 Vibration damper secondary part
- 7 Woodruff key
- 8 Radial shaft seal
- 9 Crankcase
- 10 Crankshaft sprocket (drive of control)
- 10a Crankshaft sprocket (drive of oil pump)
- 11 Crankshaft
- 12 Oil sump
- 13 Oil sump gasket
- 14 Bolt for attaching oil sump



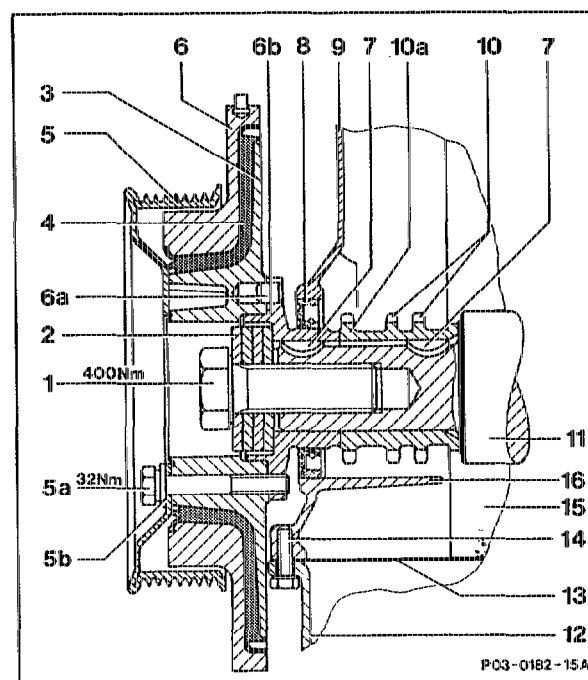
2nd version

Arrangement of 8-groove belt pulley on primary side of vibration damper. Thus improving quiet running of poly V-belt.

Engine 104.98 as of 01/1991

Engine 104.94/99 as of start of production up to 8/1993

- 1 M18×1.5×55 (10.9)
- 2 Dished washer
- 3 Vibration damper primary part
- 4 Elastomer
- 5 Belt pulley (8-groove)
- 5a M8×48 bolt
- 5b Washer
- 6 Vibration damper secondary part
- 6a Locating pin
- 6b Hub
- 7 Woodruff key
- 8 Radial seal
- 9 Crankcase
- 10 Crankshaft sprocket (drive of control)
- 10a Crankshaft sprocket (drive of oil pump)
- 11 Crankshaft
- 12 Oil sump
- 13 Oil sump gasket
- 14 Bolt for attaching oil sump



3rd version

Modified central bolt.

Material strength modified from 10.9 to 8.8.

Conical washer replaces the 4 dished washers.

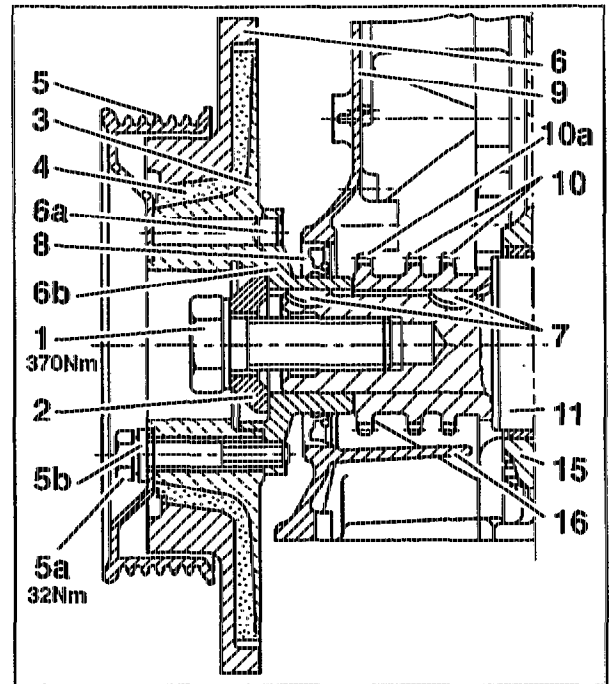
Modified tightening torque.



The different parts of the 3 versions must not be interchanged.

Engine 104.94/99 as of 09/1993

- 1 M18×1.5×55 (8.8)
- 2 Conical washer
- 3 Vibration damper primary part
- 4 Elastomer
- 5 Belt pulley (6-groove)
- 5a M8 bolt
- 5b Washer
- 6 Vibration damper secondary part
- 6a Locating pin
- 6b Hub
- 7 Woodruff key
- 8 Radial seal
- 9 Timing case cover
- 10 Crankshaft sprocket (drive of control)
- 10a Crankshaft sprocket (drive of oil pump)
- 11 Crankshaft



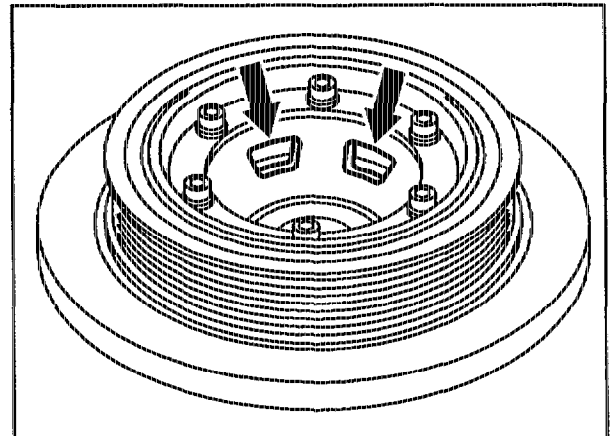
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4th version

Belt pulley/vibration damper reduced in weight.

Hub integrated in vibration damper.

Engine 104.945/995 as of start of production



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