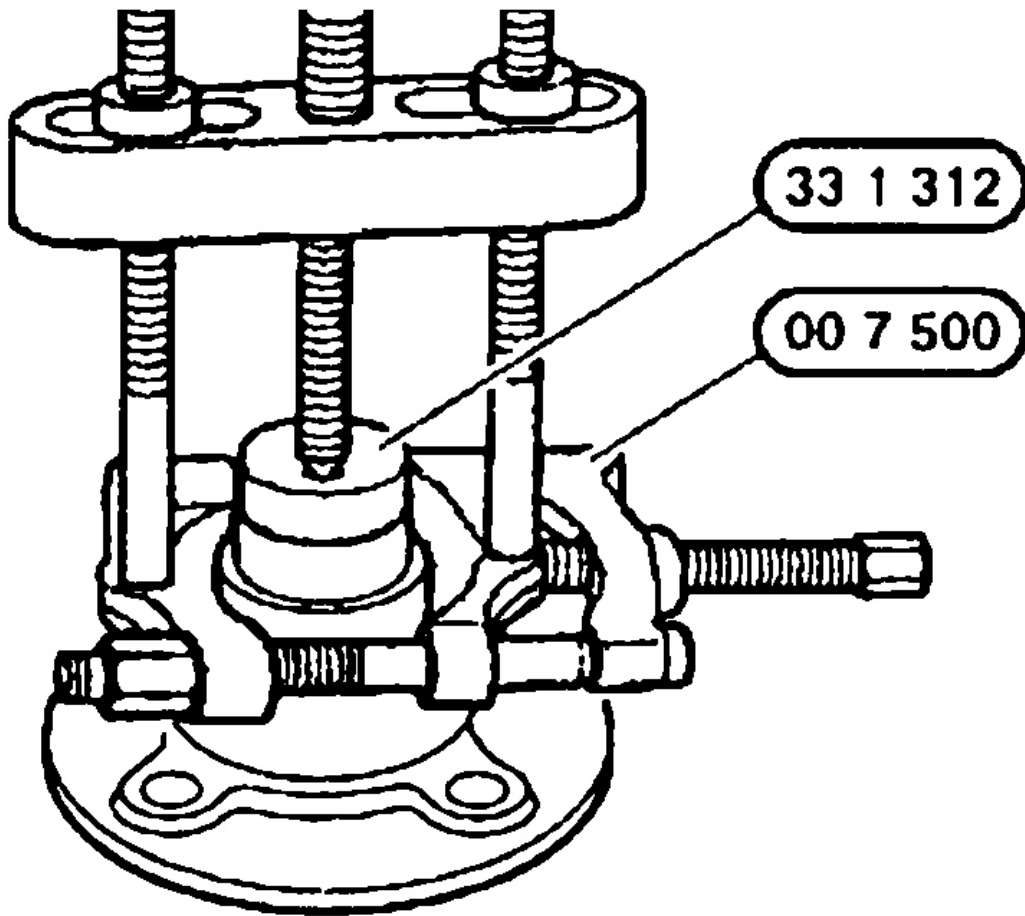


318ti & Z3

1. Raise and support vehicle. Remove wheel(s).
2. Remove axle shaft. See appropriate AXLE SHAFTS article.
3. Remove brake disc. See **BRAKE DISC** .
4. Screw special tool 33 2 116 onto drive flange with wheel studs. Drive out drive flange with special tool 33 4 201/202/203. See **Fig. 33** .
5. If necessary, remove inner bearing race using special tool 00 7 500/33 1 307. See **Fig. 45** . For Z3 2.8 see **Fig. 46** .
6. It may be necessary to remove inner wheel bearing race with the following procedure:
 - Detach wheel bearing inner race with special tool 33 4 400 through groove in bearing inner race.
 - According to outside diameter of bearing inner race, use special tool 33 4 401 with: 33 4 405 for dia. 45-51 mm, 33 4 406 for dia. 50-55 mm and 33 4 407 for dia. 55-61 mm in groove. See **Fig. 35** .
 - Tension special tool 33 4 401 with wrenches 33 4 403 and 33 4 404 until it can still just be turned in groove. See **Fig. 36** .
 - Screw in special tool 33 4 402. Detach inner bearing race.
7. Remove circlip. See **Fig. 37** .
8. Remove wheel bearing with special tool 33 4 041/042/043/044/045. See **Fig. 47** . For Z3 2.8 use 33 4 031/032/033/038/039. See **Fig. 48** .

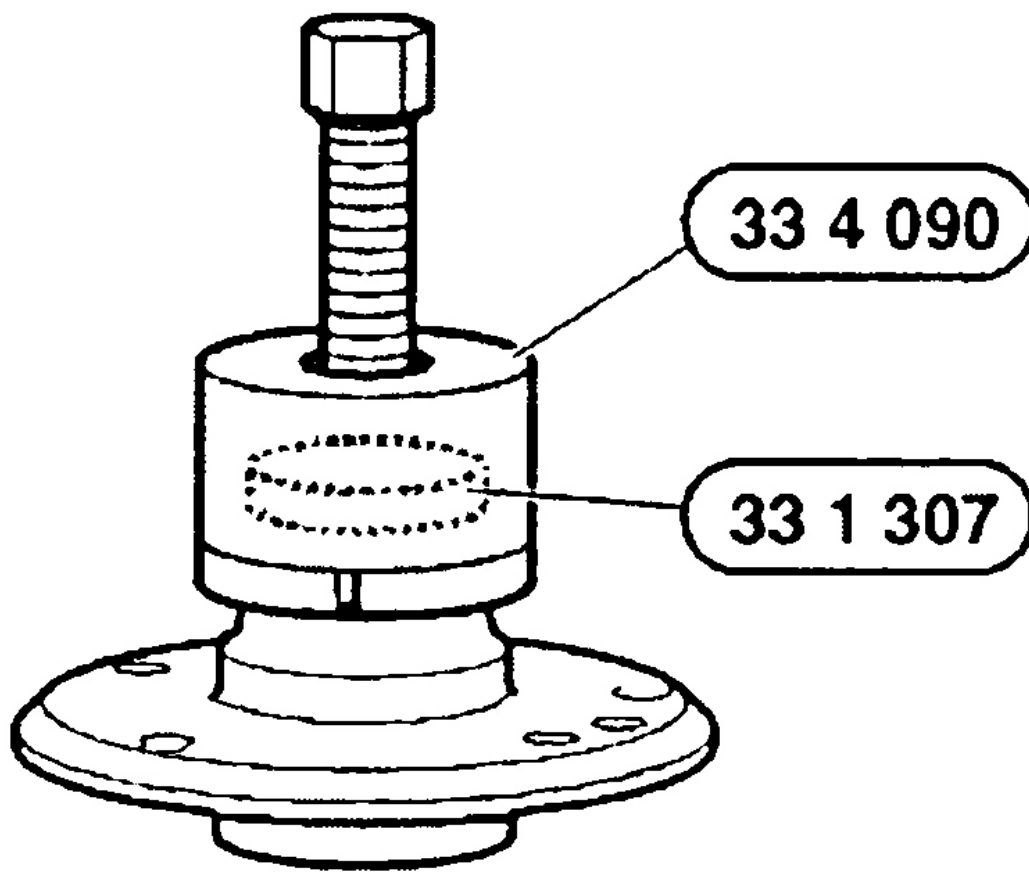
CAUTION: Do not reuse old wheel bearing.

9. Draw in new wheel bearing with special tool 33 4 041/042/043/046/047. See **Fig. 49** . For Z3 2.8 use 33 4 032/034/035/038/039. See **Fig. 50** .
10. Installation is reverse of removal.
11. Replace stretched or damaged circlip. Ensure correct seating.
12. Pull in drive flange using special tool 33 4 041/042/045/048. See **Fig. 51** . For Z3 2.8 use 33 4 041/0424/045/048. See **Fig. 52** .
13. Install brake disc.
14. Install axle shaft.



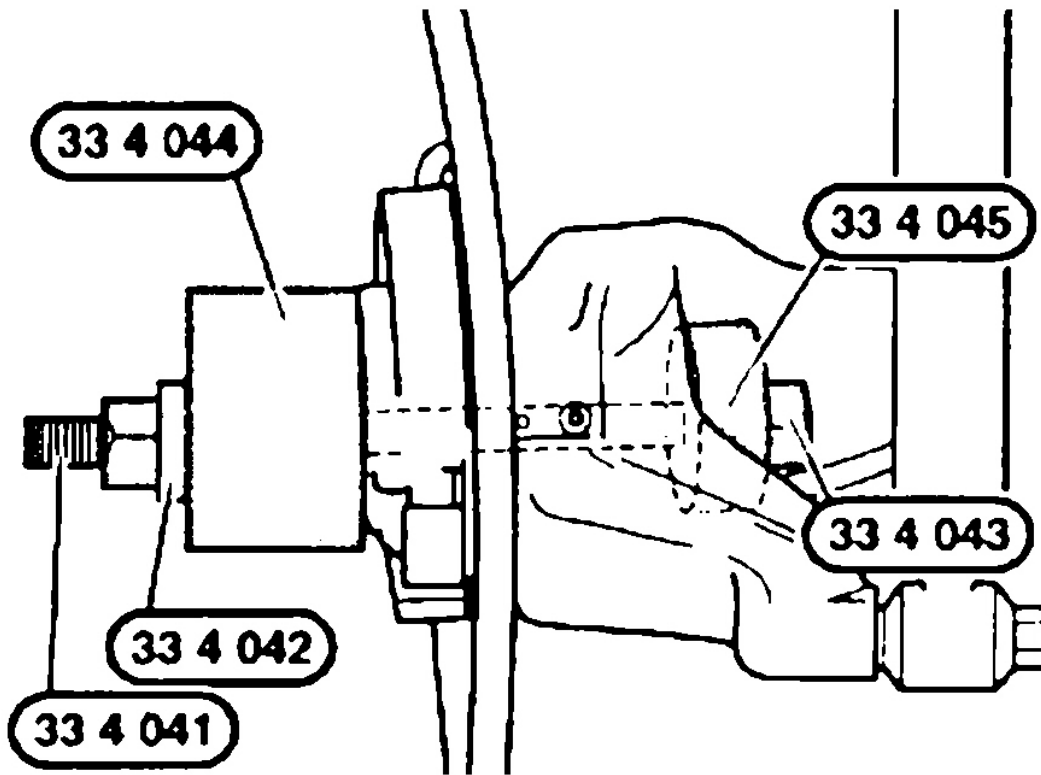
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Fig. 45: Pulling Off Bearing Inner Race
Courtesy of BMW OF NORTH AMERICA, INC.



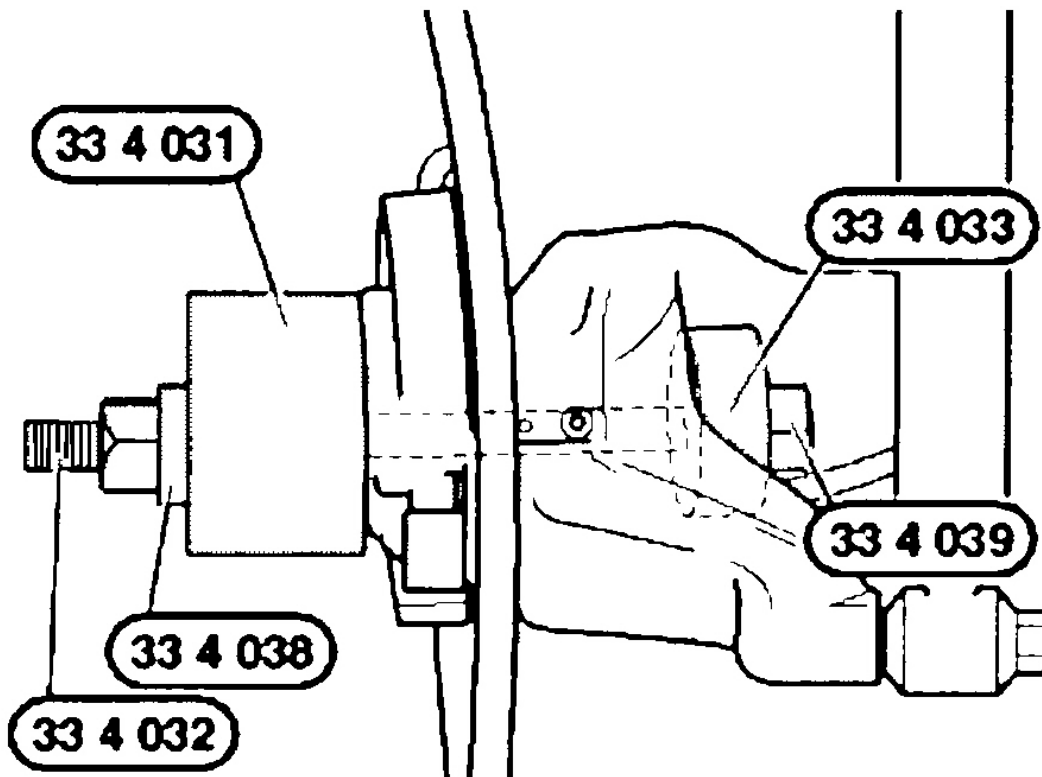
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Fig. 46: Pulling Off Bearing Inner Race (Z3 2.8)
Courtesy of BMW OF NORTH AMERICA, INC.



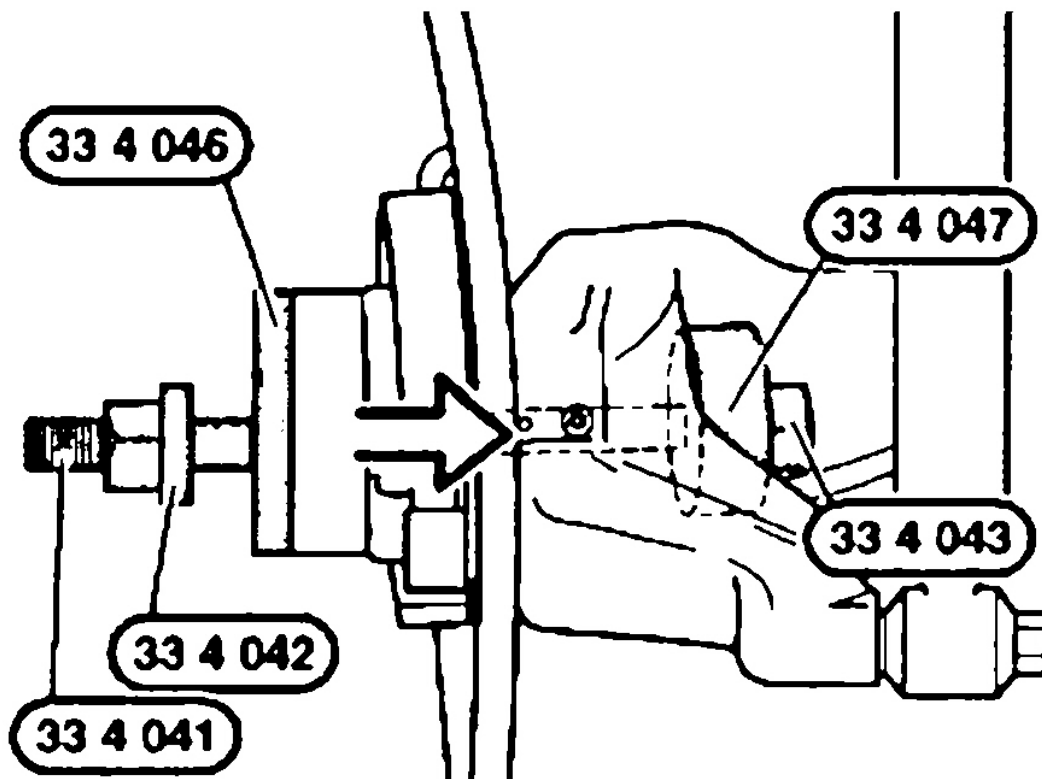
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Fig. 47: Removing Wheel Bearing (318ti, Z3 Except 2.8)
Courtesy of BMW OF NORTH AMERICA, INC.



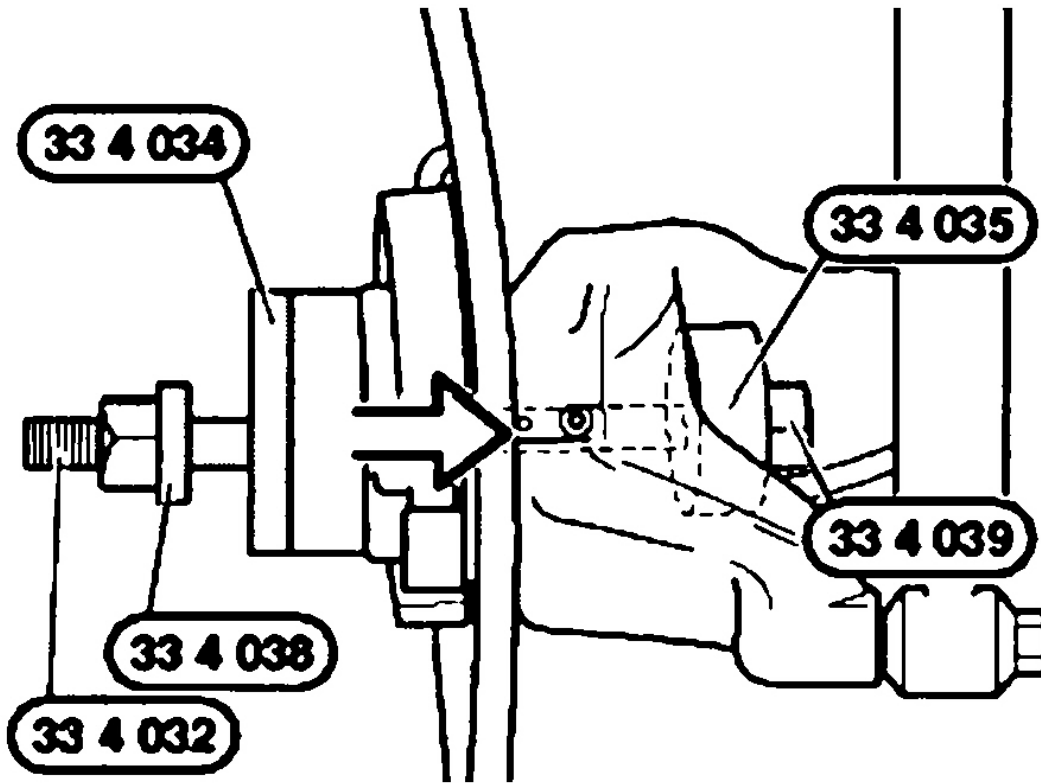
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Fig. 48: Removing Wheel Bearing (Z3 2.8)
Courtesy of BMW OF NORTH AMERICA, INC.



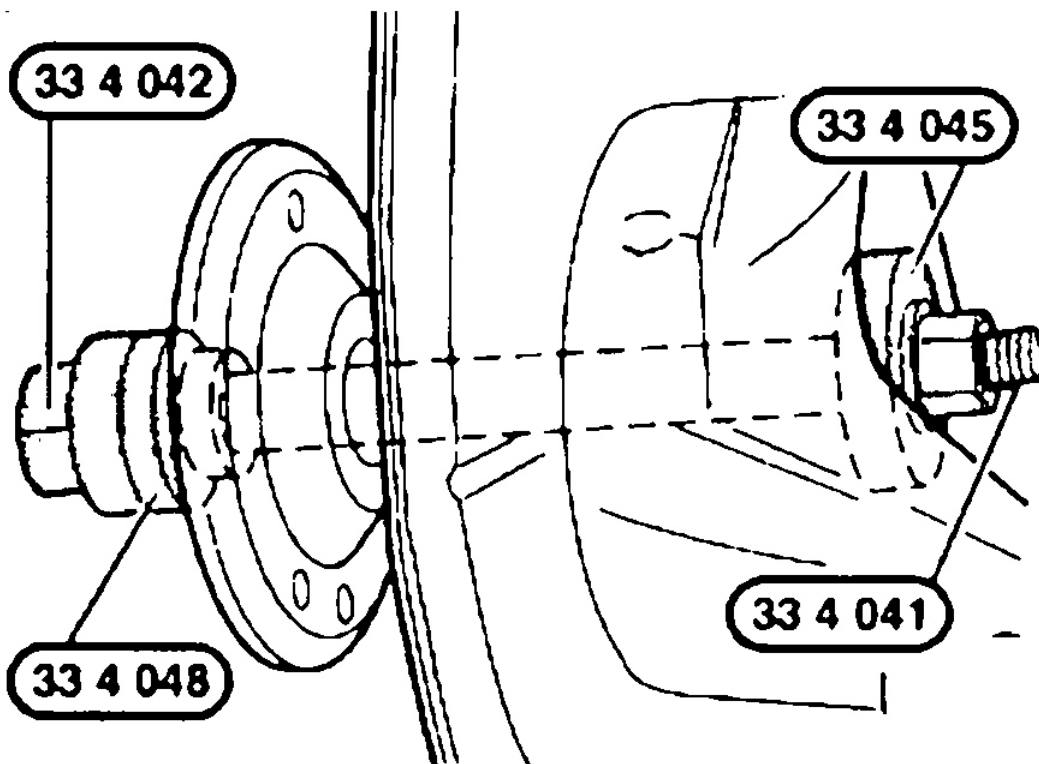
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[Fig. 49: Pulling In New Wheel Bearing \(318ti, Z3 Except 2.8\)](#)
Courtesy of BMW OF NORTH AMERICA, INC.



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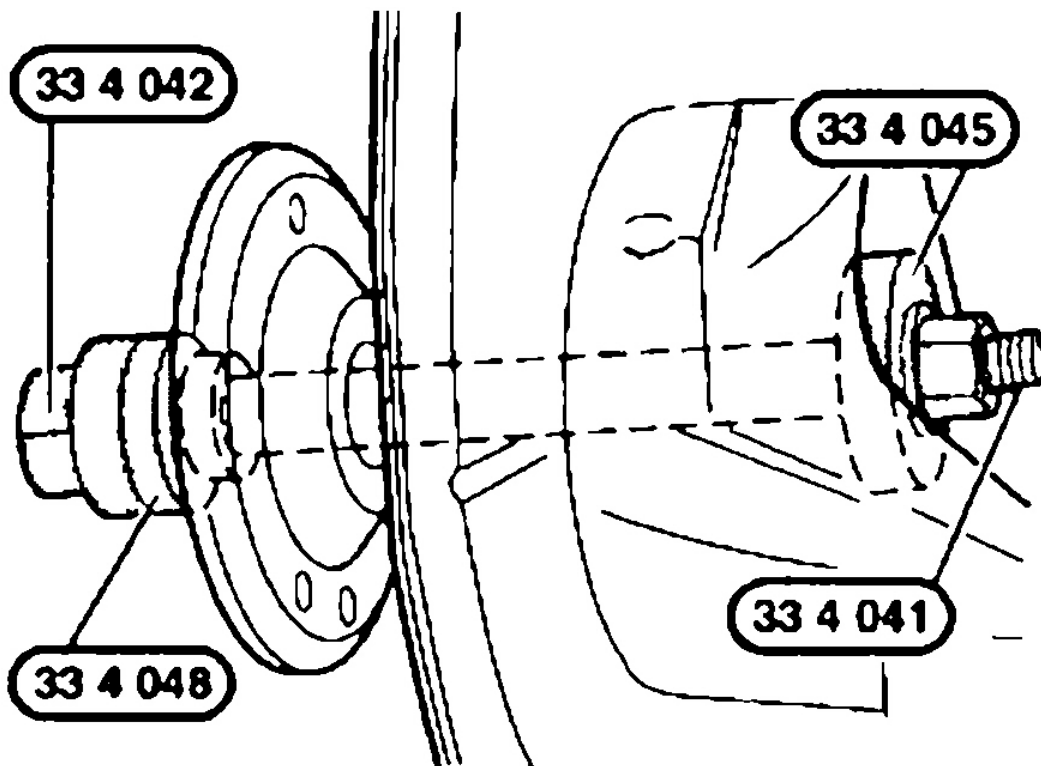
Fig. 50: Pulling In New Wheel Bearing (Z3 2.8)
Courtesy of BMW OF NORTH AMERICA, INC.



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Fig. 51: Pulling In Drive Flange (318ti, Z3 Except 2.8

Courtesy of BMW OF NORTH AMERICA, INC.



G00103347

[Fig. 52: Pulling In Drive Flange \(Z3 2.8\)](#)
Courtesy of BMW OF NORTH AMERICA, INC.