

SERVICE BULLETIN

APPLICABILITY

1991 LEGACY RIGHT-HAND DRIVE

DATE

05-26-92

SUBJECT:

SERVICE MANUAL CORRECTIONS

Attached are the latest revisions to the 1991 Legacy Right-Hand Drive Service Manuals. Please update your current manuals with this information. Should you require any additional copies, please order through your normal Parts channels under Part Number MSA5T9217A.

CAUTION

VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.



SUBARU®

LEGACY

1991 SERVICE MANUAL CORRECTIONS

Right Hand Drive Vehicle

- Please correct the SERVICE MANUAL (Publication No. G204BE) using the attached sheets as per the TABLE OF CONTENTS.

TABLE OF CONTENTS

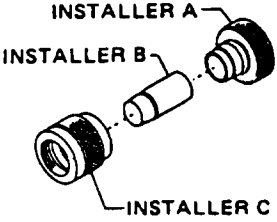
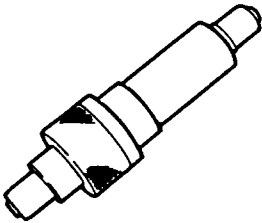
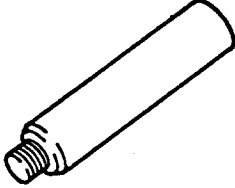
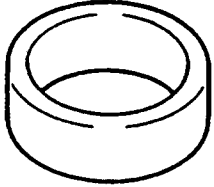
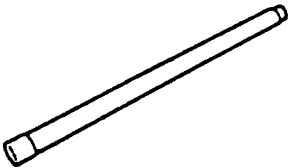
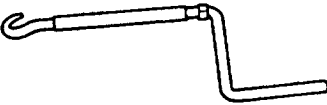
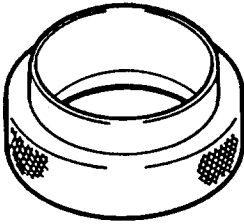
LOCATION	PAGE	LOCATION	PAGE
1-6 SPECIAL TOOLS	3	4-3 STEERING SYSTEM	2 3 11

- Please add the technical information (on page 6 to page 8 of this service manual correction.) to the above SERVICE MANUAL (G204BE).

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1-6 SPECIAL TOOLS

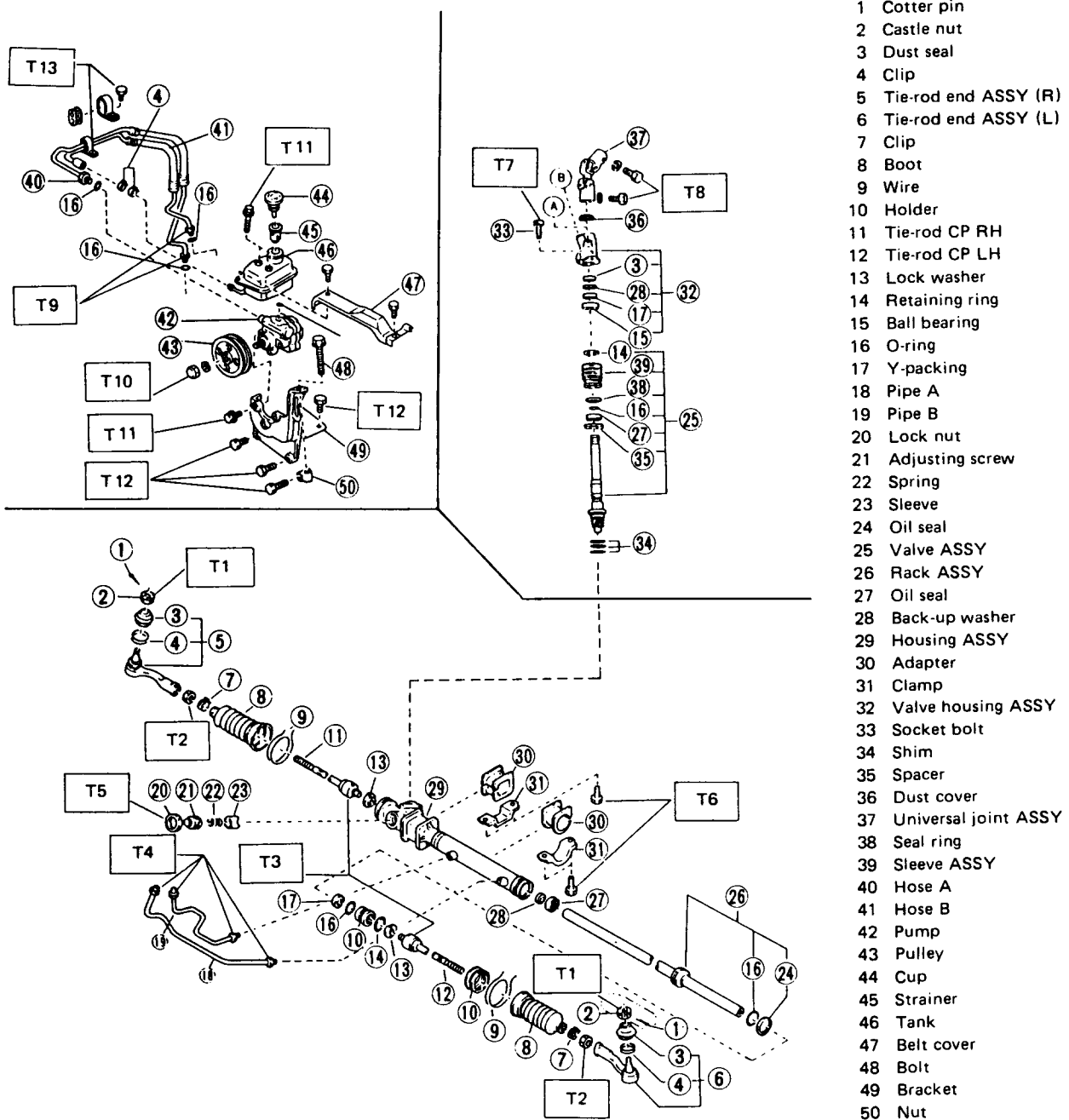
Page 3 [0700]

927490000	927540000	927550000	927560000
INSTALLER	REMOVER	INSTALLER	SPACER
Used to install outer oil seal onto steering ASSY.	Used to remove bearing, seal, etc. for valve ASSY.	Used to install rack ASSY.	Used with REMOVER. (927540000)
 <p style="text-align: center;">B1-262</p>	 <p style="text-align: center;">B1-413</p>	 <p style="text-align: center;">B1-482</p>	 <p style="text-align: center;">B1-481</p>
927580000	927590000	927600000	
REMOVER	WRENCH	FORMER	
Used to remove high pressure seal.	Used to remove and install wire securing boot on steering ASSY.	Seal ring	
 <p style="text-align: center;">B1-480</p>	 <p style="text-align: center;">B1-166</p>	 <p style="text-align: center;">B1-414</p>	

4-3 STEERING SYSTEM

Page 2 [C300]

3. Power Steering System



- 1 Cotter pin
- 2 Castle nut
- 3 Dust seal
- 4 Clip
- 5 Tie-rod end ASSY (R)
- 6 Tie-rod end ASSY (L)
- 7 Clip
- 8 Boot
- 9 Wire
- 10 Holder
- 11 Tie-rod CP RH
- 12 Tie-rod CP LH
- 13 Lock washer
- 14 Retaining ring
- 15 Ball bearing
- 16 O-ring
- 17 Y-packing
- 18 Pipe A
- 19 Pipe B
- 20 Lock nut
- 21 Adjusting screw
- 22 Spring
- 23 Sleeve
- 24 Oil seal
- 25 Valve ASSY
- 26 Rack ASSY
- 27 Oil seal
- 28 Back-up washer
- 29 Housing ASSY
- 30 Adapter
- 31 Clamp
- 32 Valve housing ASSY
- 33 Socket bolt
- 34 Shim
- 35 Spacer
- 36 Dust cover
- 37 Universal joint ASSY
- 38 Seal ring
- 39 Sleeve ASSY
- 40 Hose A
- 41 Hose B
- 42 Pump
- 43 Pulley
- 44 Cup
- 45 Strainer
- 46 Tank
- 47 Belt cover
- 48 Bolt
- 49 Bracket
- 50 Nut

Tightening torque: N·m (kg·m, ft·lb)

T1: After tightening to a torque of 25 to 29 (2.5 to 3.0, 18 to 22), tighten further, by a maximum of 60° until cotter pin holes are aligned.

T2: 78 - 88 (8.0 - 9.0, 58 - 65)

T3: 69 - 88 (7.0 - 9.0, 51 - 65)

T4: 16 - 24 (1.6 - 2.4, 12 - 17)

T5: 29 - 49 (3.0 - 5.0, 22 - 36)

T6: 47 - 71 (4.8 - 7.2, 35 - 52)

T7: 20 - 29 (2.0 - 3.0, 14 - 22)

T8: 21 - 26 (2.1 - 2.7, 15 - 20)

T9: 10 - 20 (1.0 - 2.0, 7 - 14)

T10: 42 - 62 (4.3 - 6.3, 31 - 46)

T11: 18 - 23 (1.8 - 2.3, 13 - 17)

T12: 20 - 24 (2.0 - 2.4, 14 - 17)

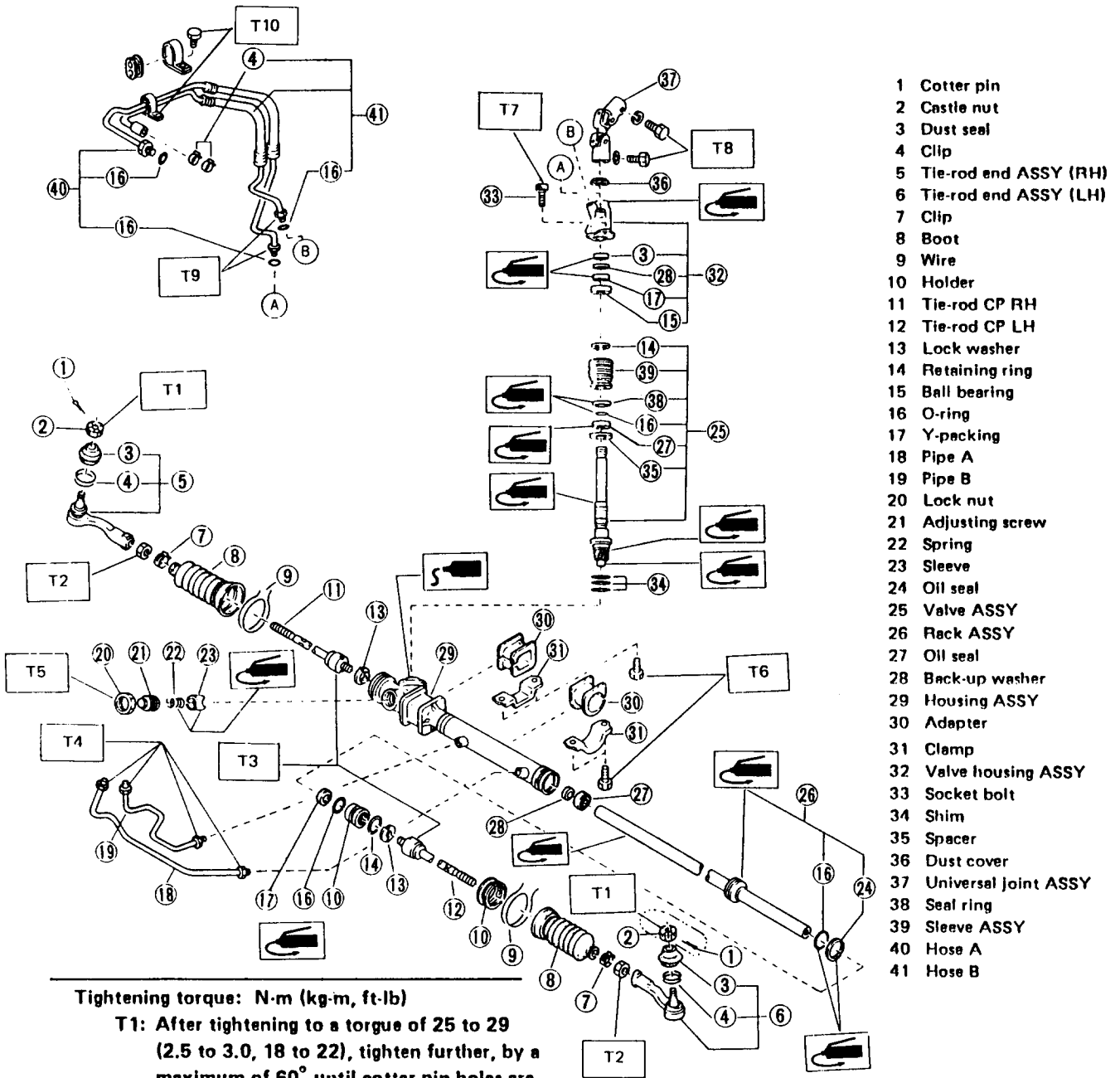
T13: 10 - 16 (1.0 - 1.6, 7 - 12)

Fig. 1

W SERVICE PROCEDURE

3. Steering Gearbox (Power Steering System)

For disassembly and assembly of gearbox unit, refer to section Control Valve (Power Steering Gearbox).



- 1 Cotter pin
- 2 Castle nut
- 3 Dust seal
- 4 Clip
- 5 Tie-rod end ASSY (RH)
- 6 Tie-rod end ASSY (LH)
- 7 Clip
- 8 Boot
- 9 Wire
- 10 Holder
- 11 Tie-rod CP RH
- 12 Tie-rod CP LH
- 13 Lock washer
- 14 Retaining ring
- 15 Ball bearing
- 16 O-ring
- 17 Y-packing
- 18 Pipe A
- 19 Pipe B
- 20 Lock nut
- 21 Adjusting screw
- 22 Spring
- 23 Sleeve
- 24 Oil seal
- 25 Valve ASSY
- 26 Rack ASSY
- 27 Oil seal
- 28 Back-up washer
- 29 Housing ASSY
- 30 Adapter
- 31 Clamp
- 32 Valve housing ASSY
- 33 Socket bolt
- 34 Shim
- 35 Spacer
- 36 Dust cover
- 37 Universal joint ASSY
- 38 Seal ring
- 39 Sleeve ASSY
- 40 Hose A
- 41 Hose B

Tightening torque: N·m (kg·m, ft·lb)

T1: After tightening to a torque of 25 to 29 (2.5 to 3.0, 18 to 22), tighten further, by a maximum of 60° until cotter pin holes are aligned.

- T2: 78 - 88 (8.0 - 9.0, 58 - 65)
- T3: 69 - 88 (7.0 - 9.0, 51 - 65)
- T4: 16 - 24 (1.6 - 2.4, 12 - 17)
- T5: 29 - 49 (3.0 - 5.0, 22 - 36)
- T6: 47 - 71 (4.8 - 7.2, 35 - 52)

- T7: 20 - 29 (2.0 - 3.0, 14 - 22)
- T8: 21 - 26 (2.1 - 2.7, 15 - 20)
- T9: 10 - 20 (1.0 - 2.0, 7 - 14)
- T10: 10 - 16 (1.0 - 1.6, 7 - 12)

Fig. 2

7) Rack & pinion backlash adjustment

- (1) Loosen adjusting screw.
- (2) Rotate input shaft so that rack is in the straight ahead direction. [Ensure that distance between rack end and stopper is 72.4 mm (2.850 in) .]
- (3) Apply liquid packing to at least 1/3 of entire perimeter of adjusting screw.

● While rotating input shaft to fully move rack shaft to the left and right, ensure that rack moves smoothly without binding, and that rotating torque is constant.

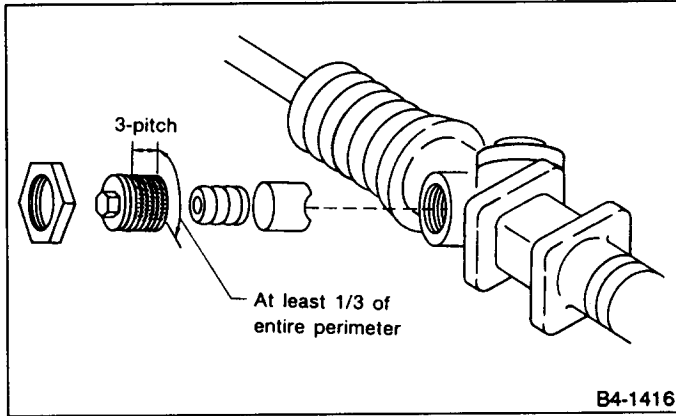


Fig. 30

- (4) Install adjusting screw.
- (5) Repeatedly tighten and loosen adjusting screw two or three times until sleeve settles down.

Tightening torque:

5 N•m (0.5 kg-m, 3.6 ft-lb)

- (6) Tighten adjusting screw to 5 N•m (0.5 kg-m, 3.6 ft-lb) and then loosen by 30°.

- (7) While holding adjusting screw using a closed wrench, tighten lock nut using SPANNER.

Tightening torque:

29 — 49 N•m (3 — 5 kg-m, 22 — 36 ft-lb)

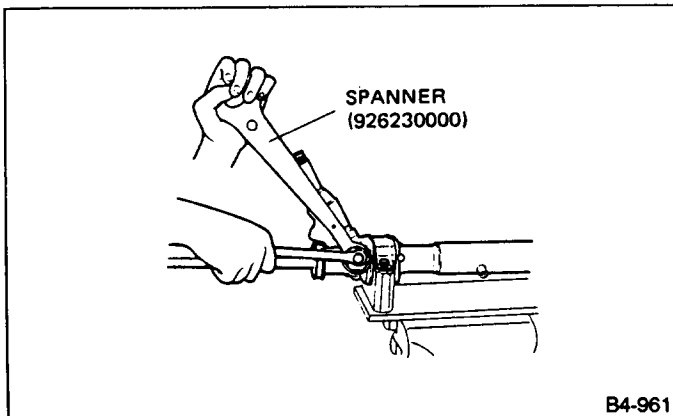


Fig. 31

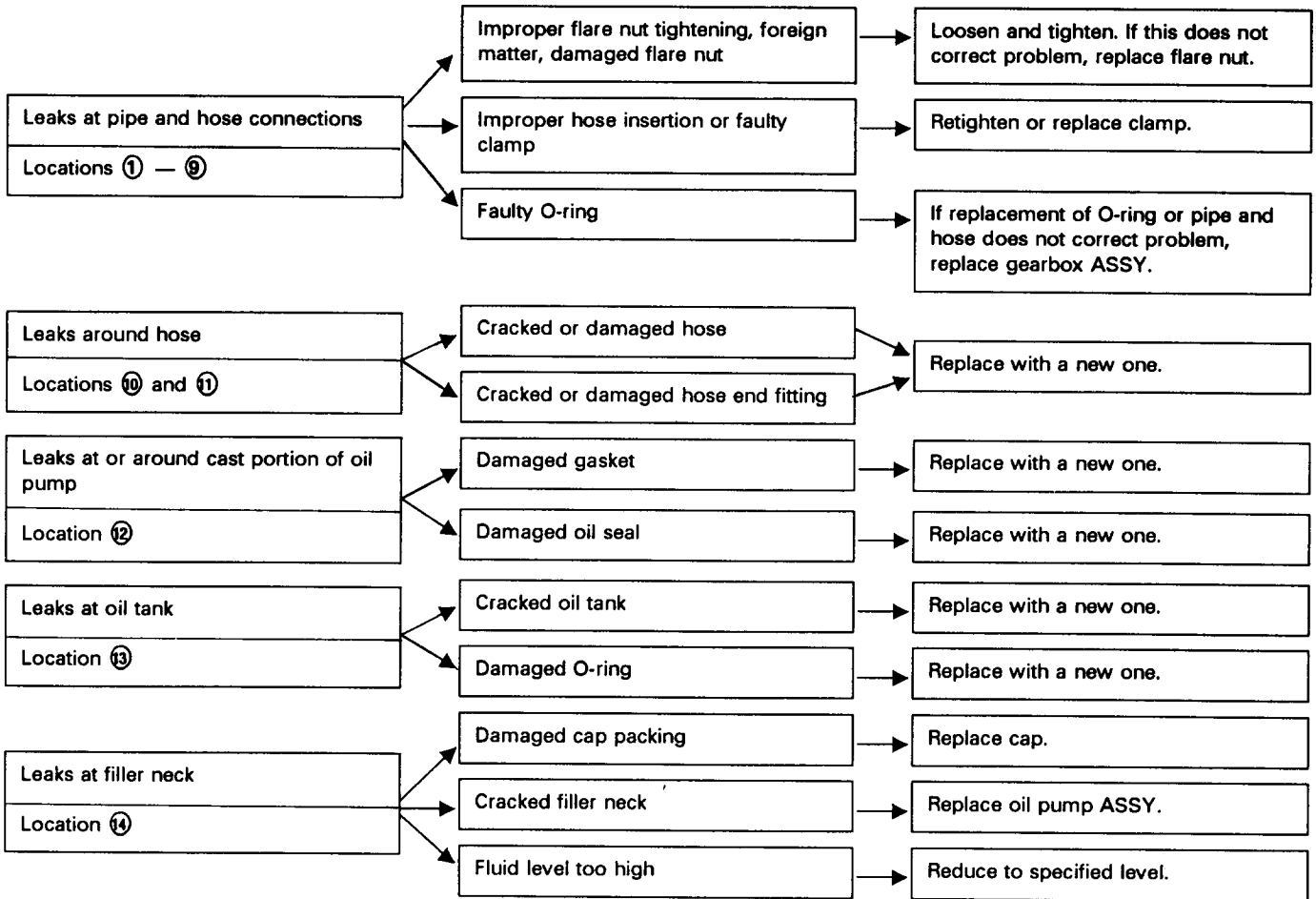
● Do not allow liquid packing to come in contact with sleeve.

Additional Informations

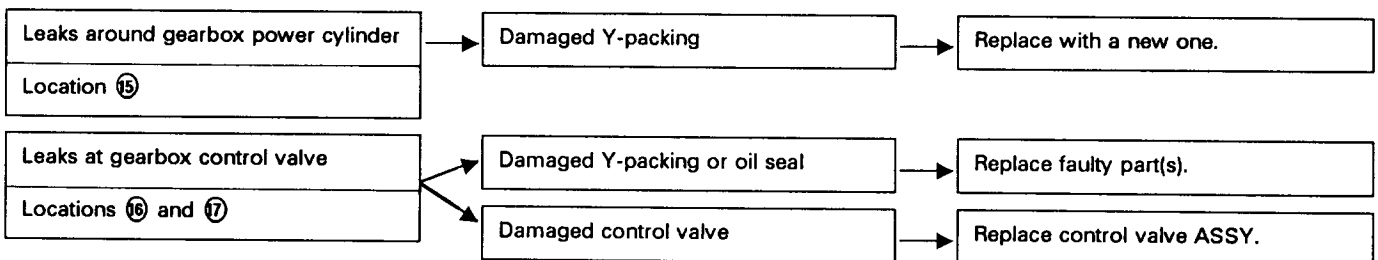
T TROUBLESHOOTING

4. FLUID LEAKAGE

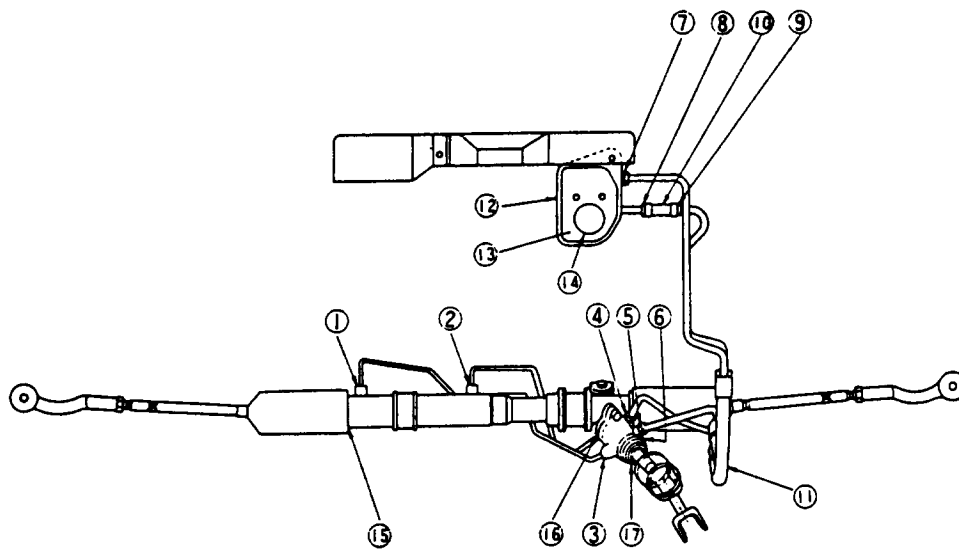
It is likely that although one judges fluid leakage, there is actually no leakage. This is because the fluid spilt during the last maintenance was not completely wiped off. Be sure to wipe off spilt fluid thoroughly after maintenance.



Severe operation of vehicle may cause fluid to ooze out at air vent in cap. However, this is not a problem.



Wipe clean spilled fluid after servicing.



B4-1014

Fig. 79

6. CLEARANCE TABLE

This table lists various clearances that must be correctly adjusted to ensure normal vehicle driving without interfering noise, or any other faults.

No.	Location	Minimum clearance mm (in)	No.	Location	Minimum clearance mm (in)
①	Pipe-to-pipe clearance of crossmember and hose ASSY and pipe-to-pipe clearance of hose ASSY	5 (0.20)	⑦	Exhaust pipe-to-gearbox boot clearance	18 (0.71)
②	DOJ-to-shaft and DOJ-to-joint clearances	14 (0.55)	⑧	Side frame-to-hose clearance	15 (0.59)
③	DOJ-to-valve housing clearance	11 (0.43)	⑨	Blow-by hose-to-hose clearance	5 (0.20)
④	Pipe-to-pipe and pipe-to-crossmember clearance	2 (0.08)	⑩	Master cylinder-to-hose clearance	20 (0.79)
⑤	Stabilizer-to-power steering feed pipe clearance	5 (0.20)	⑪	Cruise control pump-to-hose clearance	12 (0.47)
⑥	Exhaust pipe-to-power steering feed pipe clearance	15 (0.59)			

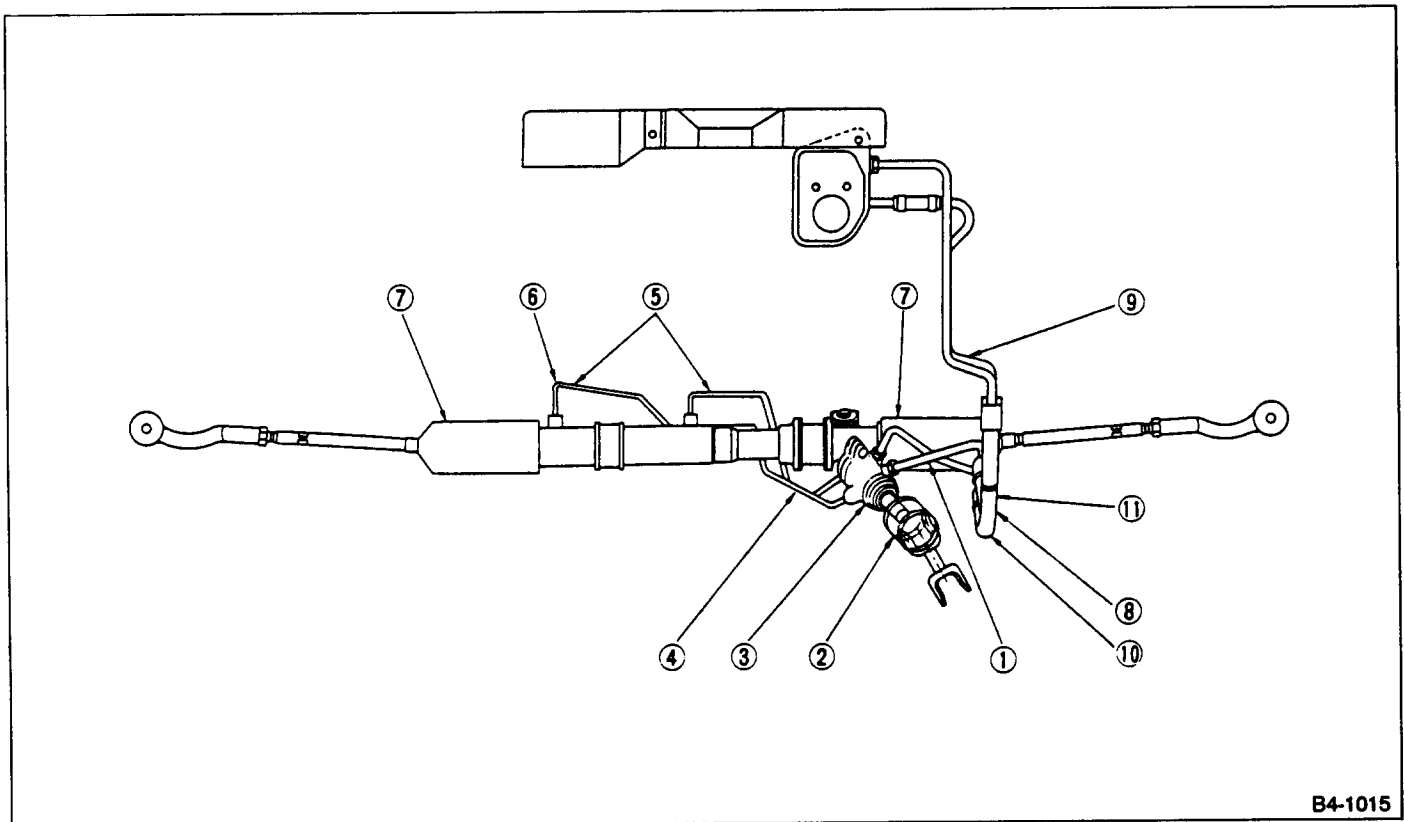


Fig. 80

B4-1015