



***Kwik
Air Test
Guide***

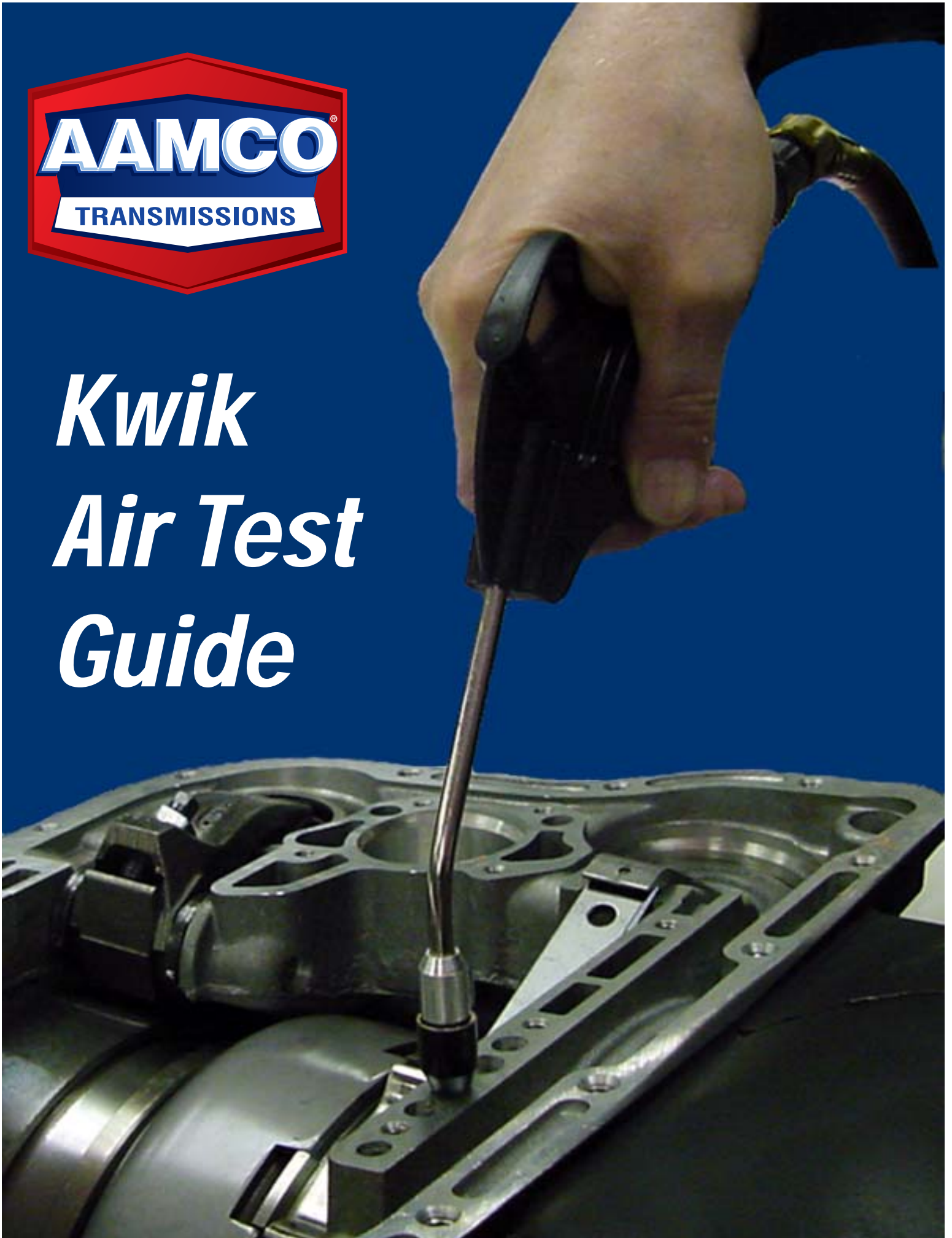


Table of Contents

Hints for Performing Air Tests	1
--------------------------------------	---

General Motors

440-T4	2
4T60-E	3
700-R4	4
4L60-E	5
4L30-E	6
4L80-E	7
4T40-E/4T45-E	8
4T65-E	9
4T80-E	10
Saturn (1st Design)	11
Saturn (2nd Design)	12
Saturn AF-33-5 (AW55-50)	13

Ford

AOD	14
AOD-E/4R70W	15
AXOD	16
AXODE	17
AX4N	18
E4OD/4R100	19
CD4E	20
A4LD	21
4R44E/4R55E/5R55E	22
5R55N	23
5R55W/S	24

Table of Contents Cont'd

Chrysler

4F27E	25
404/413/470/670	26
727/904/998/999	27
A500/A518/42RE/44RE/46RE/47RE	28
A604	29
A606	30
45RFE	31

Mazda

F4AEL	32
GF4AEL/G4AEL/G4AFEL	33
N4AEL/N4AHL/NC4AEL	34

Mitsubishi

F3A20	35
F4A41/42/F4A51	36
F4A41/42/F4A51	37
F4A20	38

Nissan/Subaru

RE4R01A/JR403E/Subaru 4EAT	39
RE4F02A/RL4F02A	40
RE4F03A/RL4F03A	41
4F20-E/RE4F04A	42
F3A	43

Table of Contents Cont'd

Toyota

A43D/A43DE/A43DL/A44D/A46DE/A46DF/44DE/ 42DL/45DF/DL/DE/450F (AW03-72LE)	44
131/140/540	45
131/140/540	46
A240	47
A240	48
AW4/A340E/A340F/A340H/A341E/A343F	49
A340H.....	50
130EAW	51

Volkswagen

096/097/098/01M/01N/01P	52
VW 09G 6 Speed	53

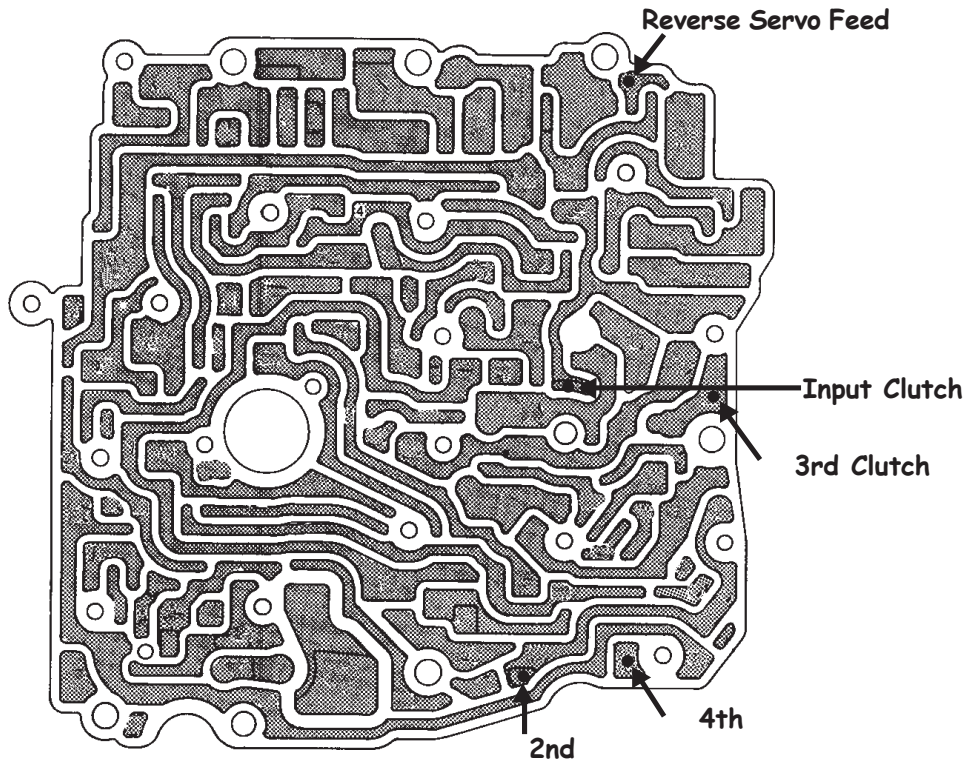
ZF

ZF4HP18/ZF4HP14	54
-----------------------	----

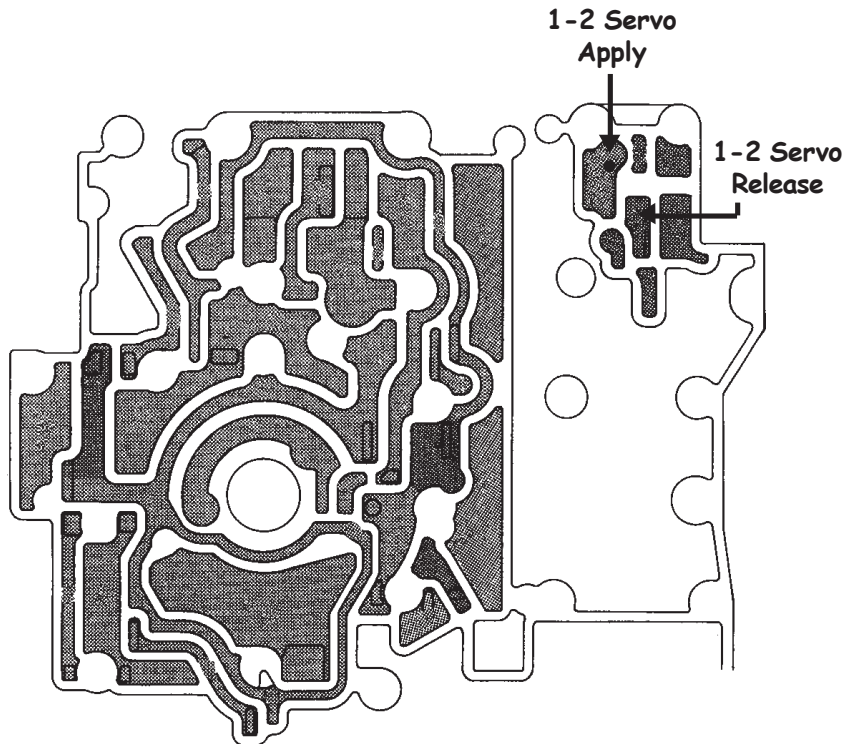
Hints For Performing Air Tests

1. When air testing a circuit that uses Teflon sealing rings always add some ATF to the circuit before testing. It helps the rings expand.
2. Only use about 30 PSI of regulated air. Full shop pressure can mask potential sealing problems.
3. When air-testing drums before final assembly make sure you hold them in the proper position. If you allow the drum to pop up when air is applied it could come down and either break a metal or cut a Teflon sealing ring.
4. It is best to use a transmission specific air test plate when available especially for irregularly shaped holes.
5. The Sonnax clear plastic block used for wet valve body air tests is also good for air testing irregularly shaped passages in a transmission case.
6. The rubber block used to blow the OD servo out of an AOD also makes an excellent tool for air testing irregularly shaped passages in a transmission case.
7. Regular modeling clay can be used as a dam to shorten extremely long case passages for air testing.
8. Rubber tipped airguns work best.
9. Be very careful if you have to air test a unit that has been run with fluid. It is very easy to get fluid to come back up at you, especially testing servos.
10. An ordinary shop towel makes a good gasket if you cannot get a good seal between your airgun nozzle and a hole you are trying to test.

Chain Cover (Valve Body Side)

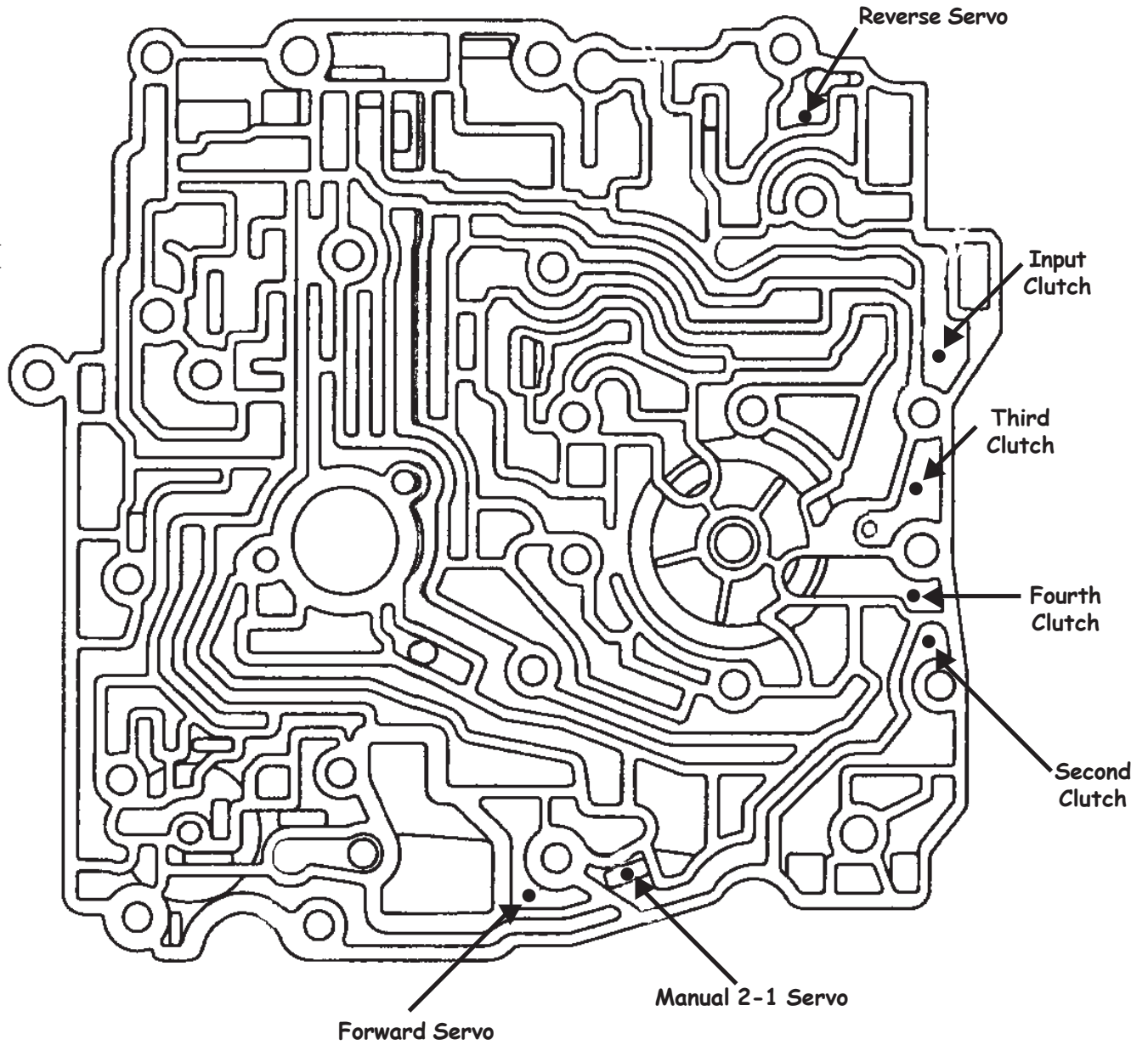


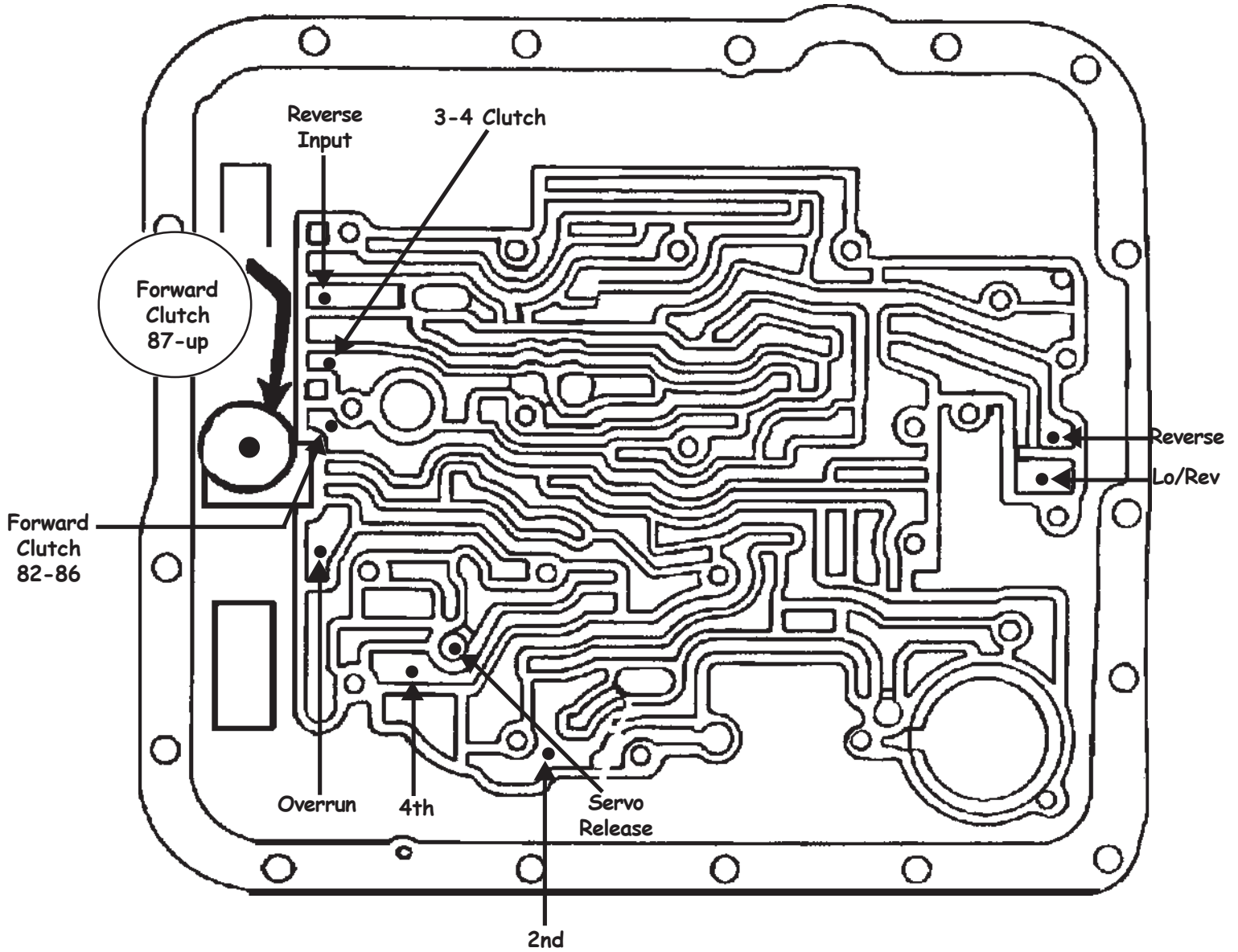
Valve Body (Pump Side)



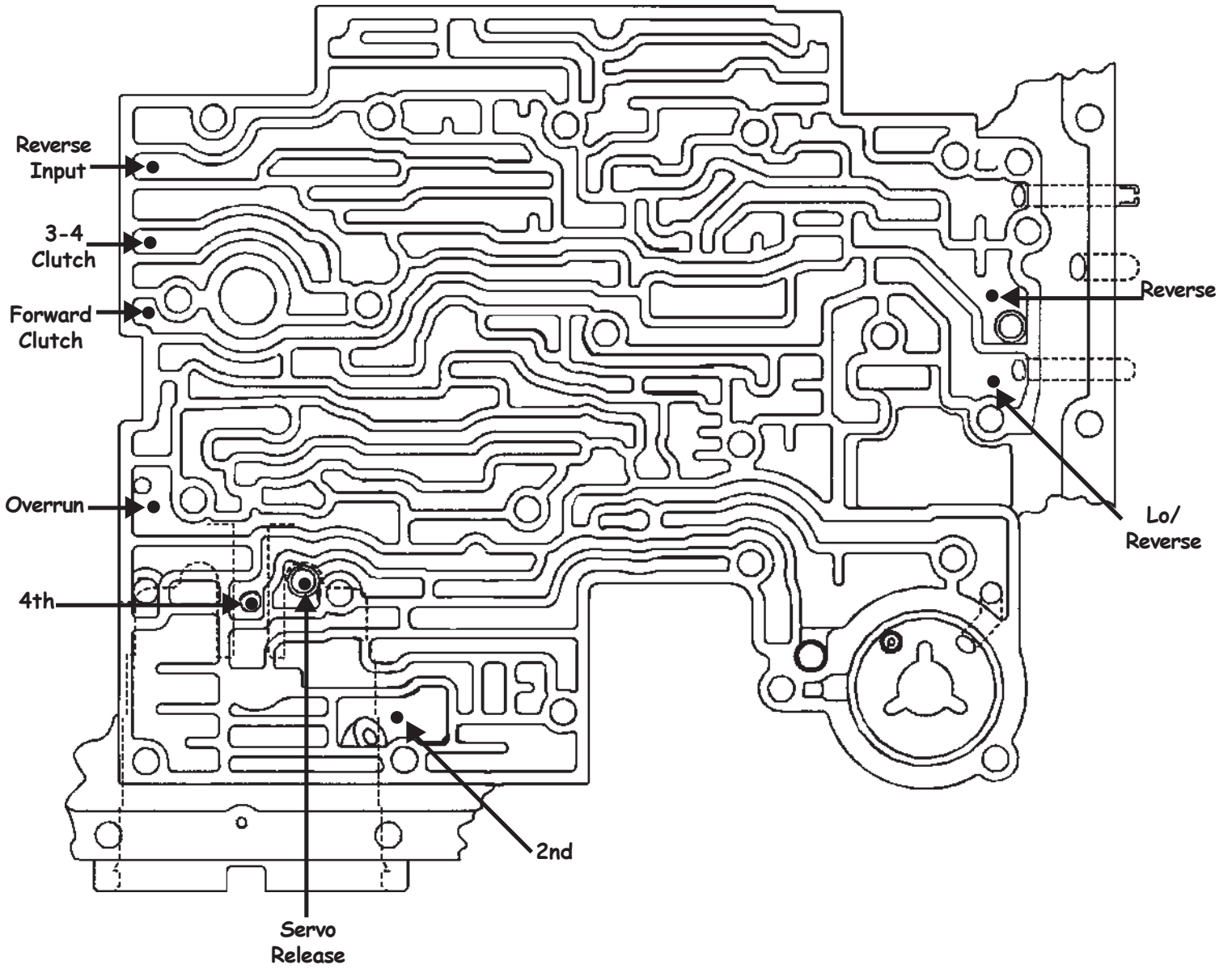
4T60-E

Chain Cover (Valve Body Side)

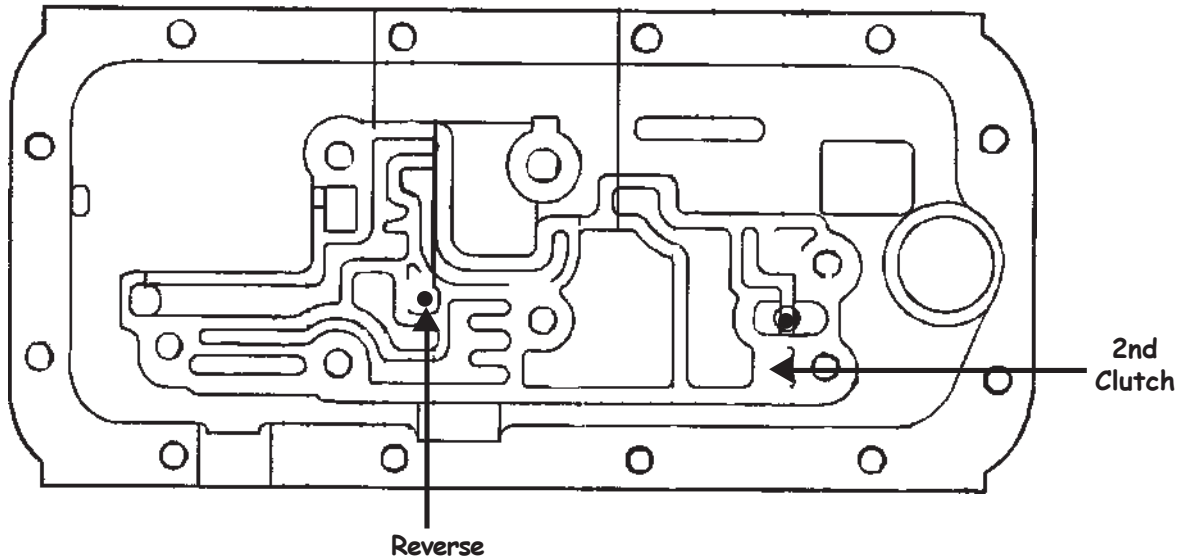
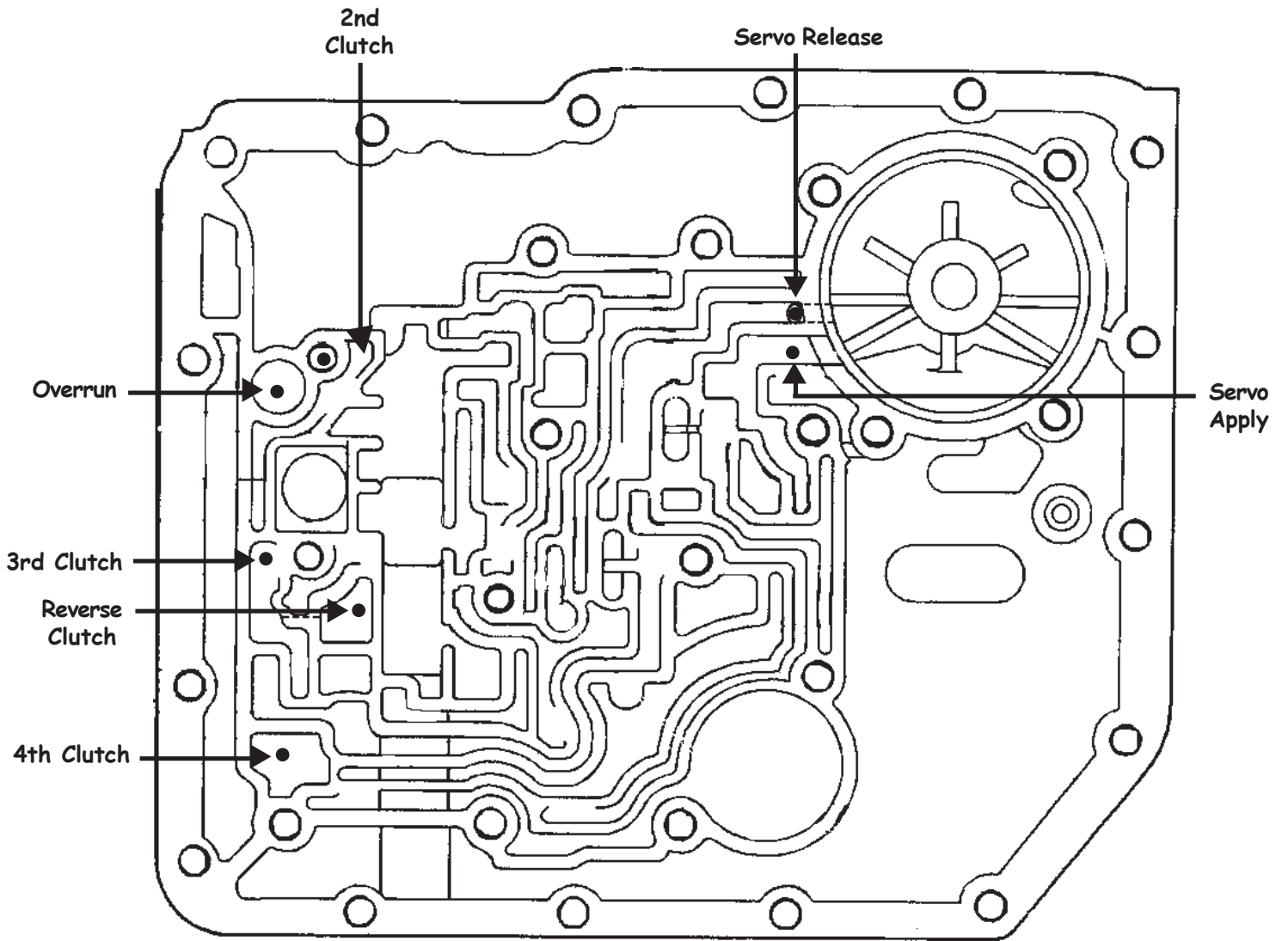




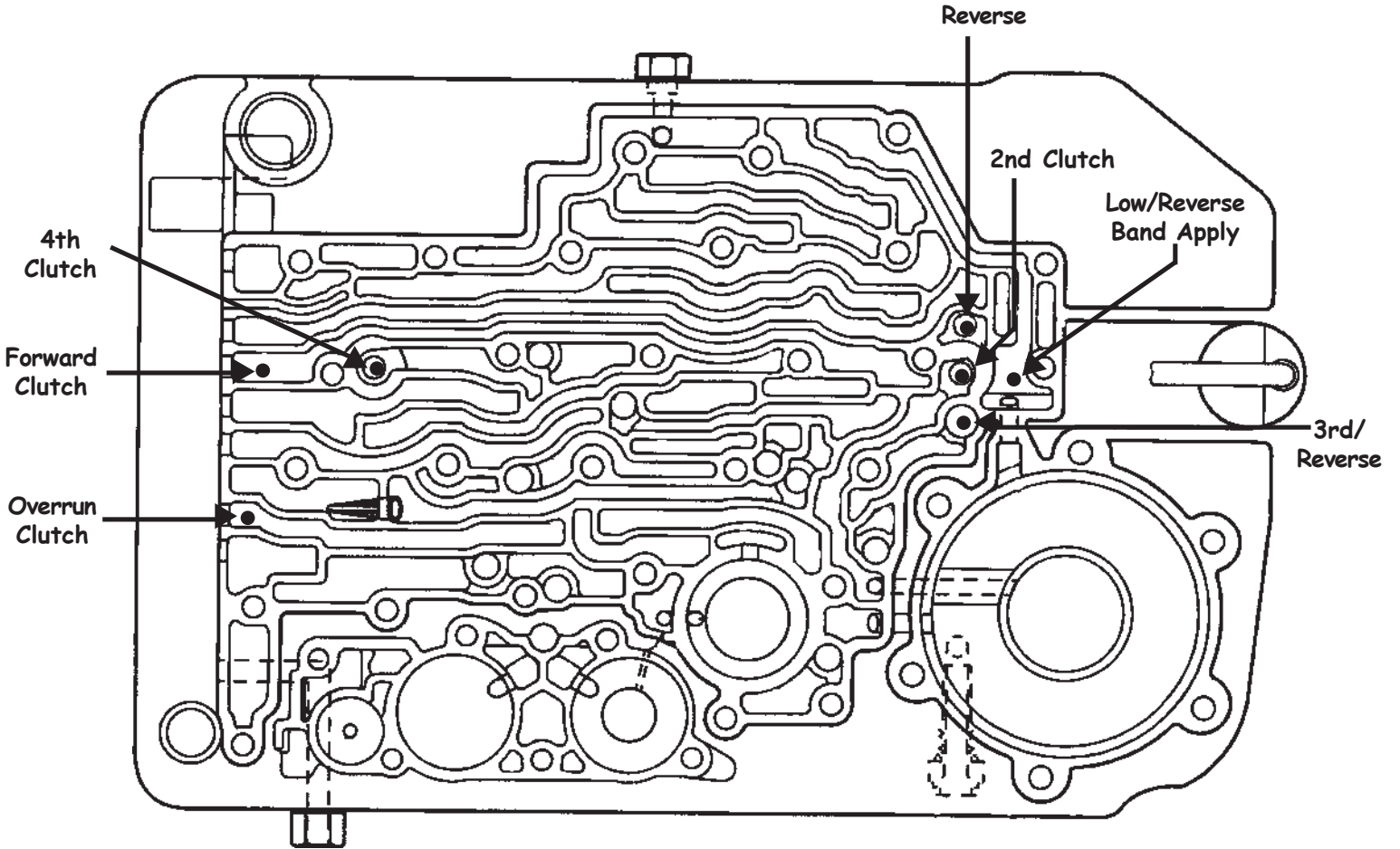
4L60-E



4L30-E

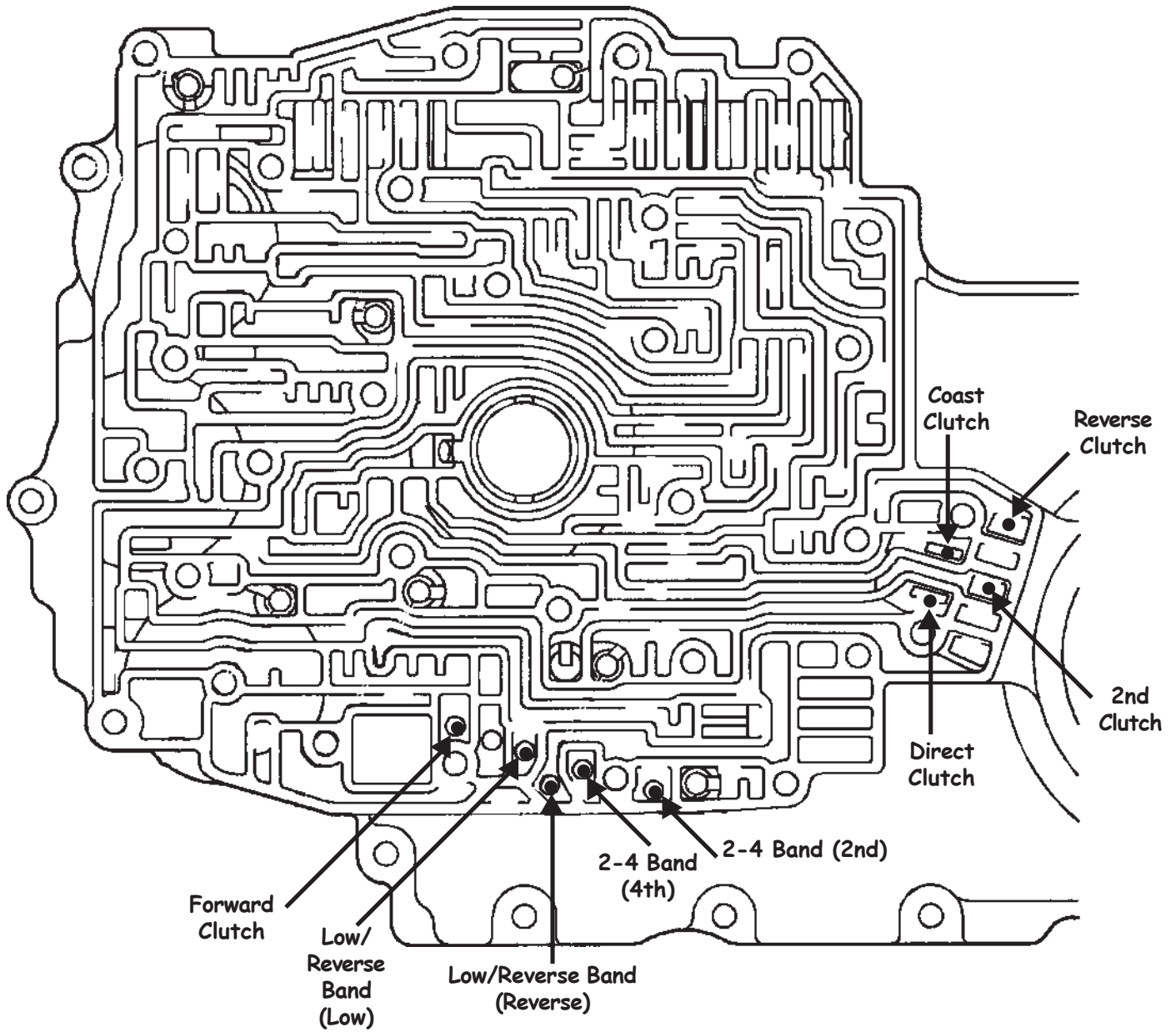


4L80-E



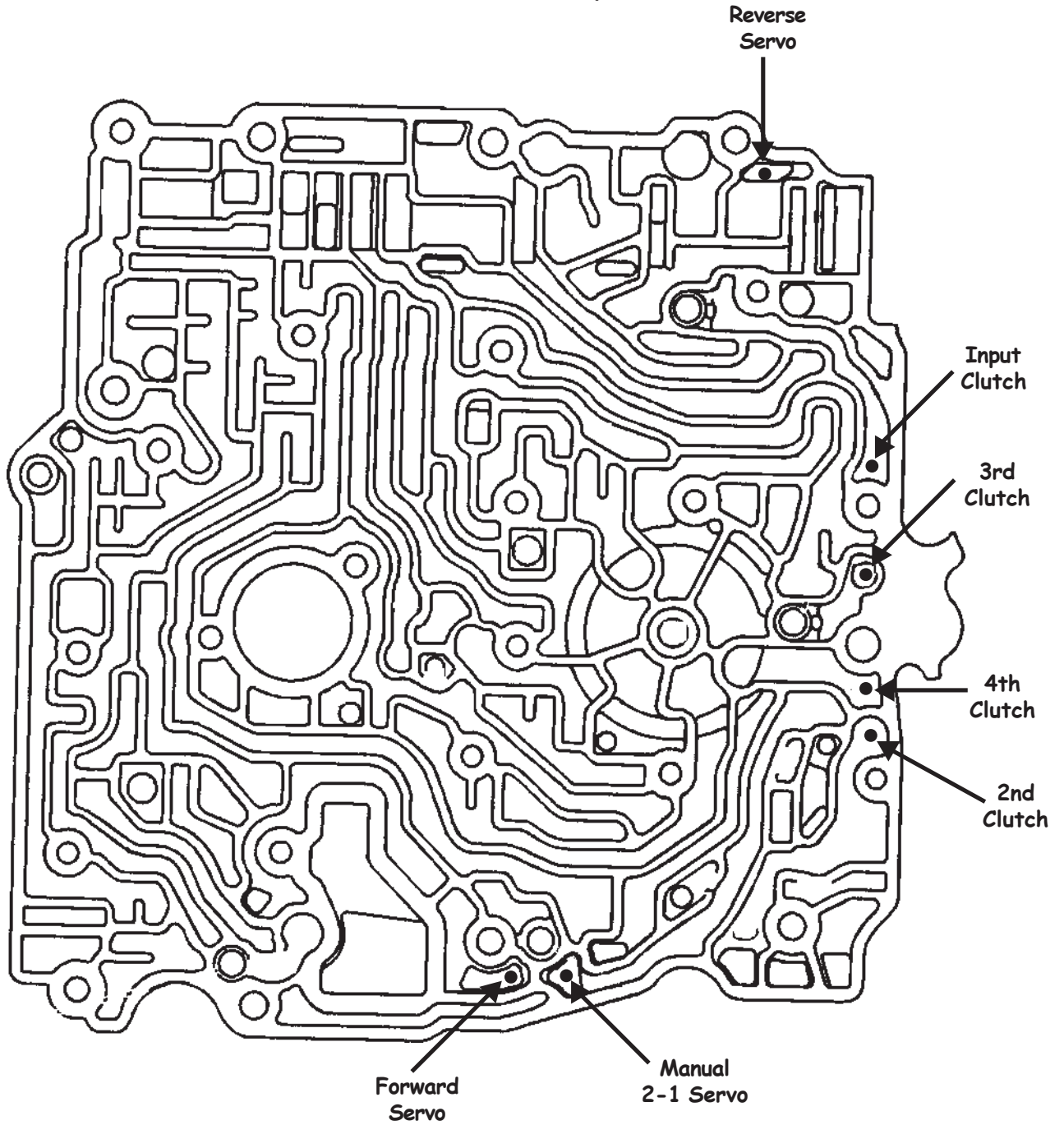
4T40-E/4T45-E

Chain Cover (Valve Body Side)

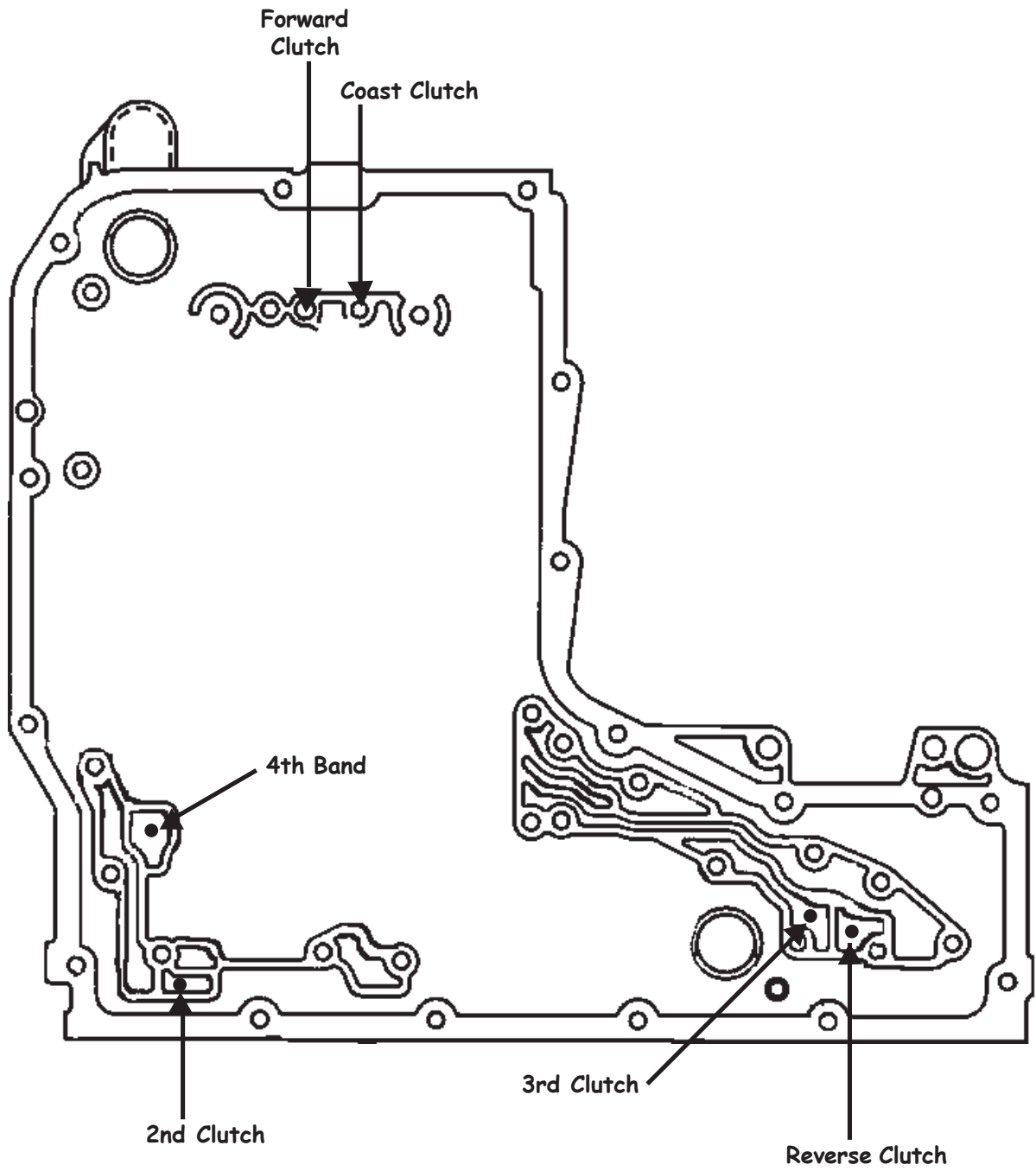


4T65-E

Chain Cover (Valve Body Side)

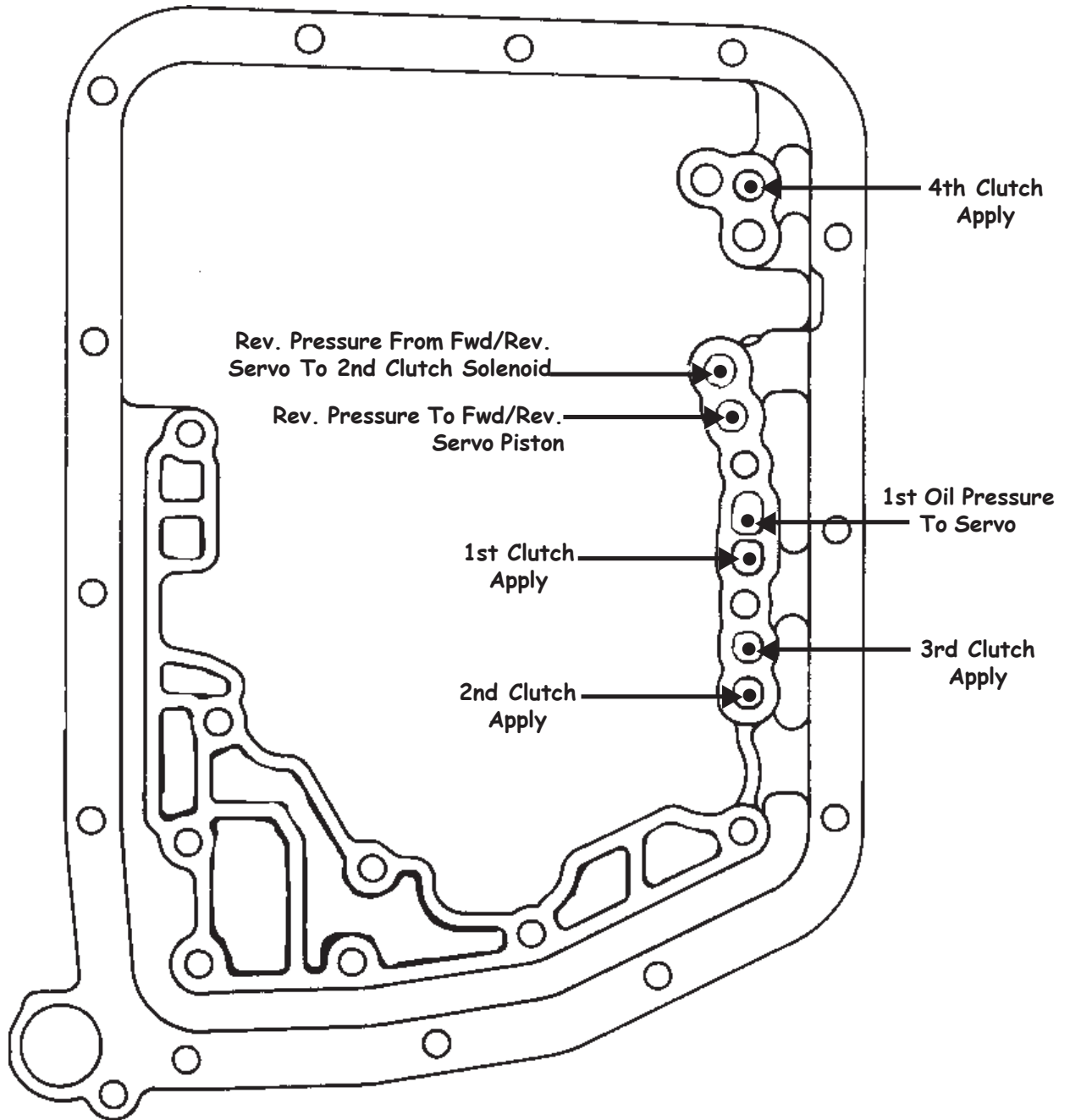


4T80-E



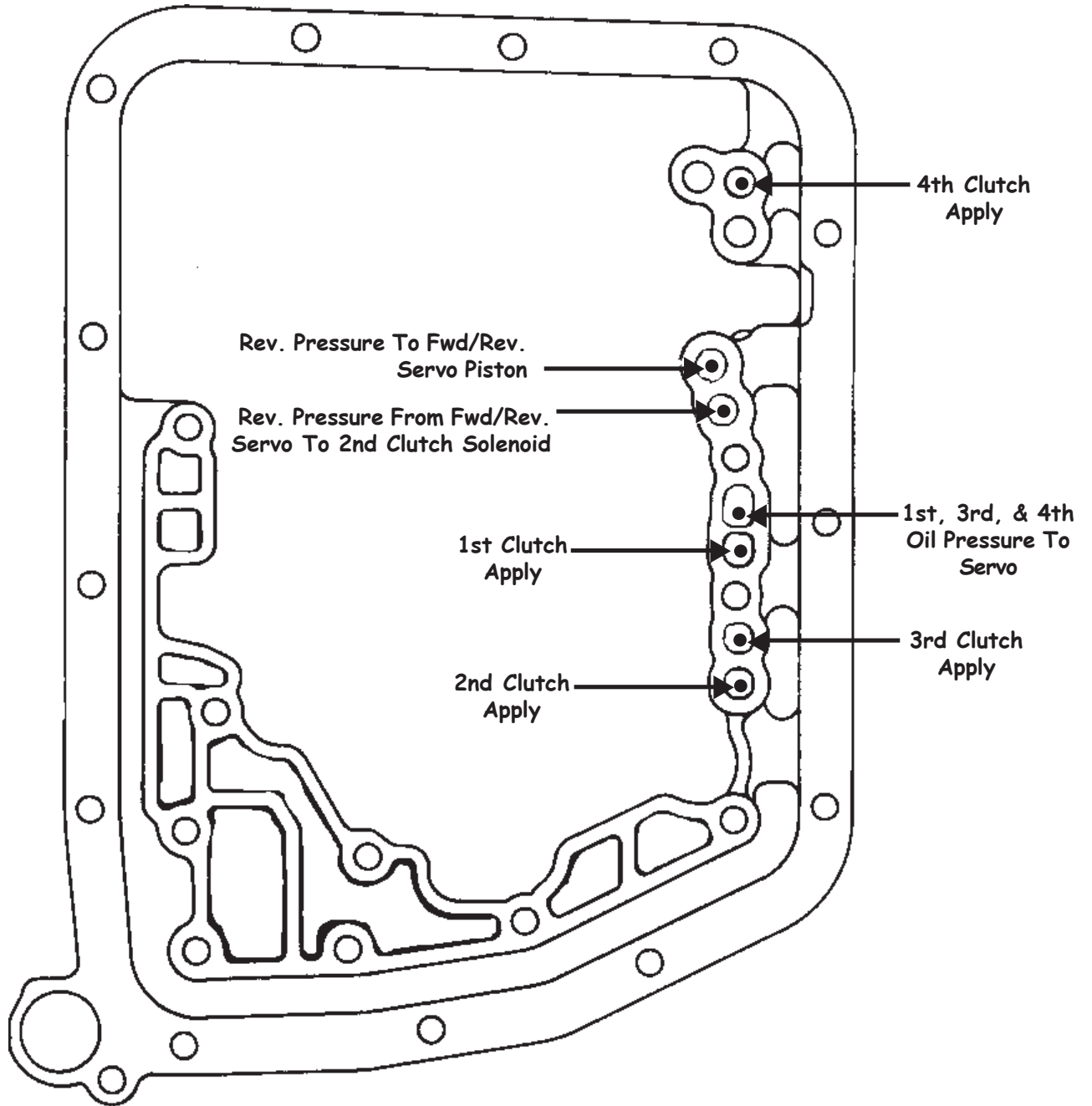
Saturn

1st Design



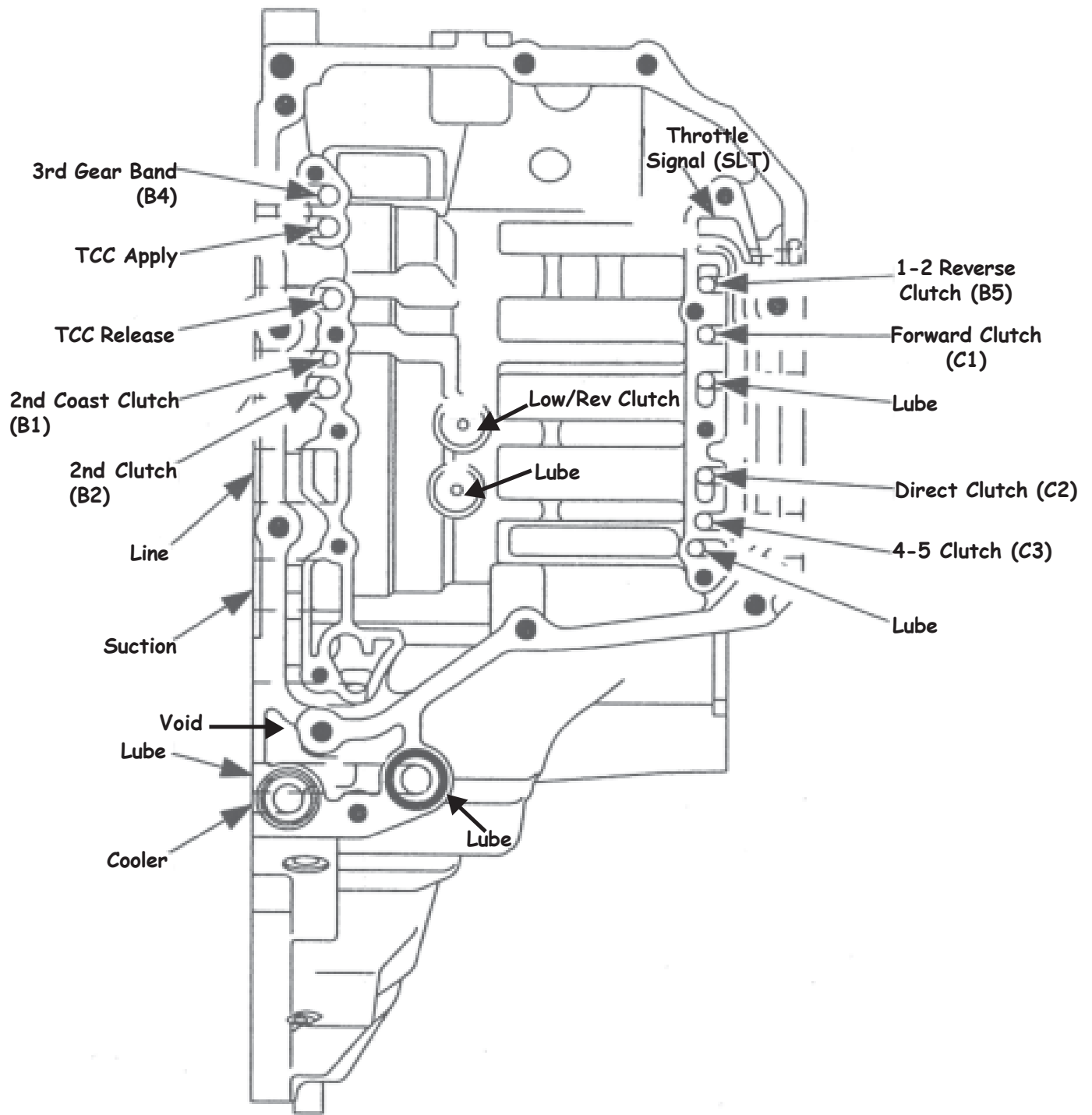
Saturn

2nd Design

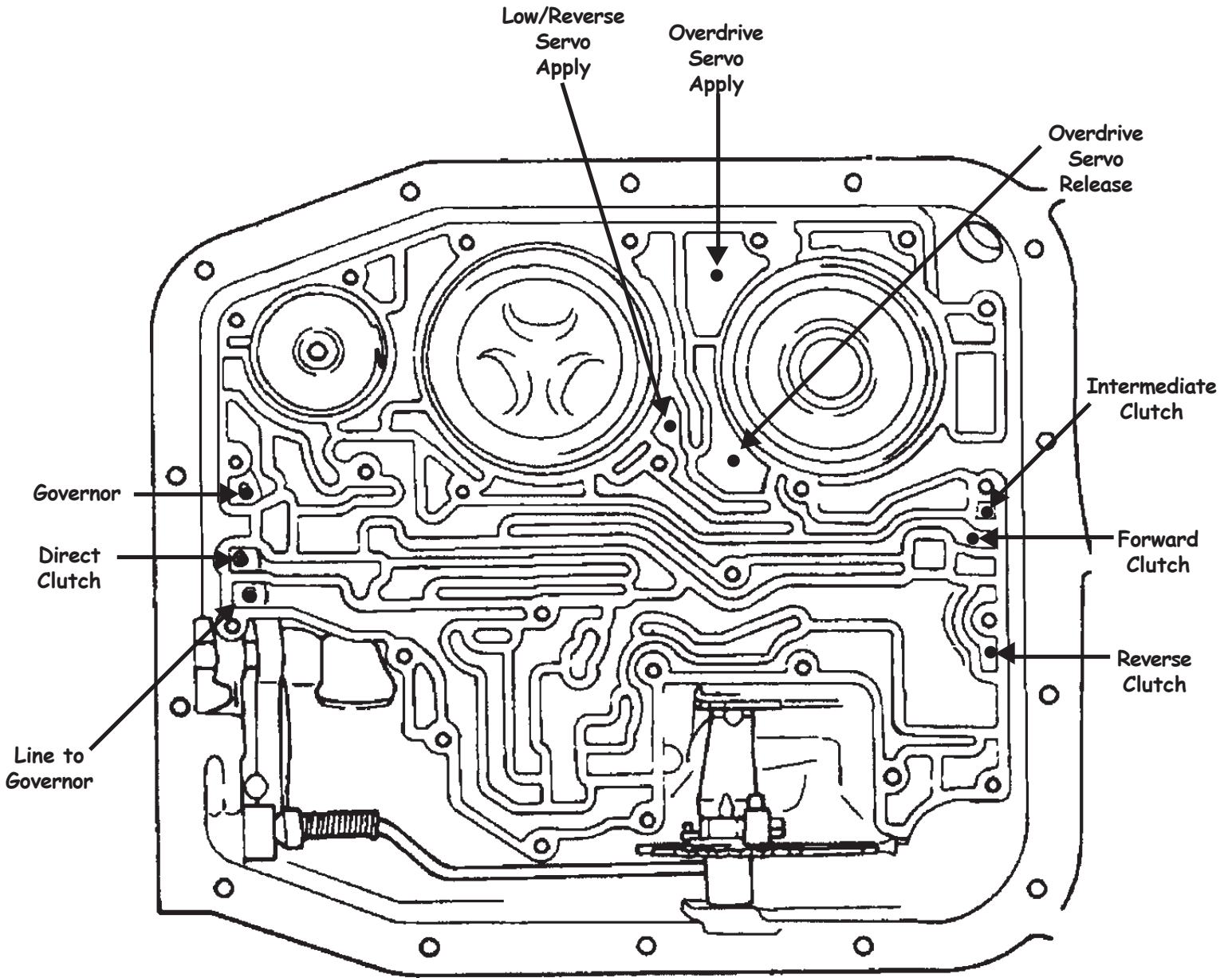


Saturn AF-33-5 (AW55-50)

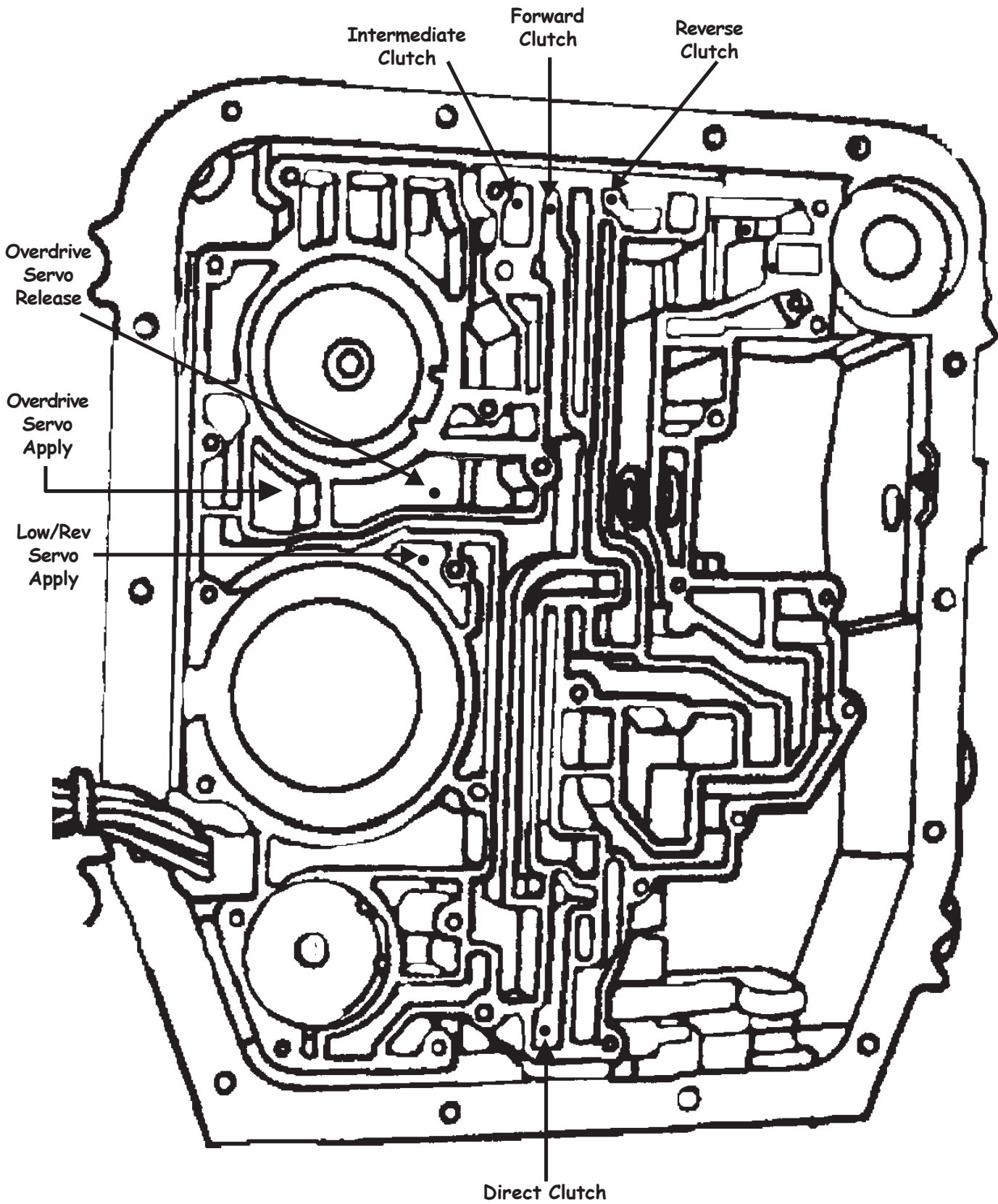
Oil Passage ID



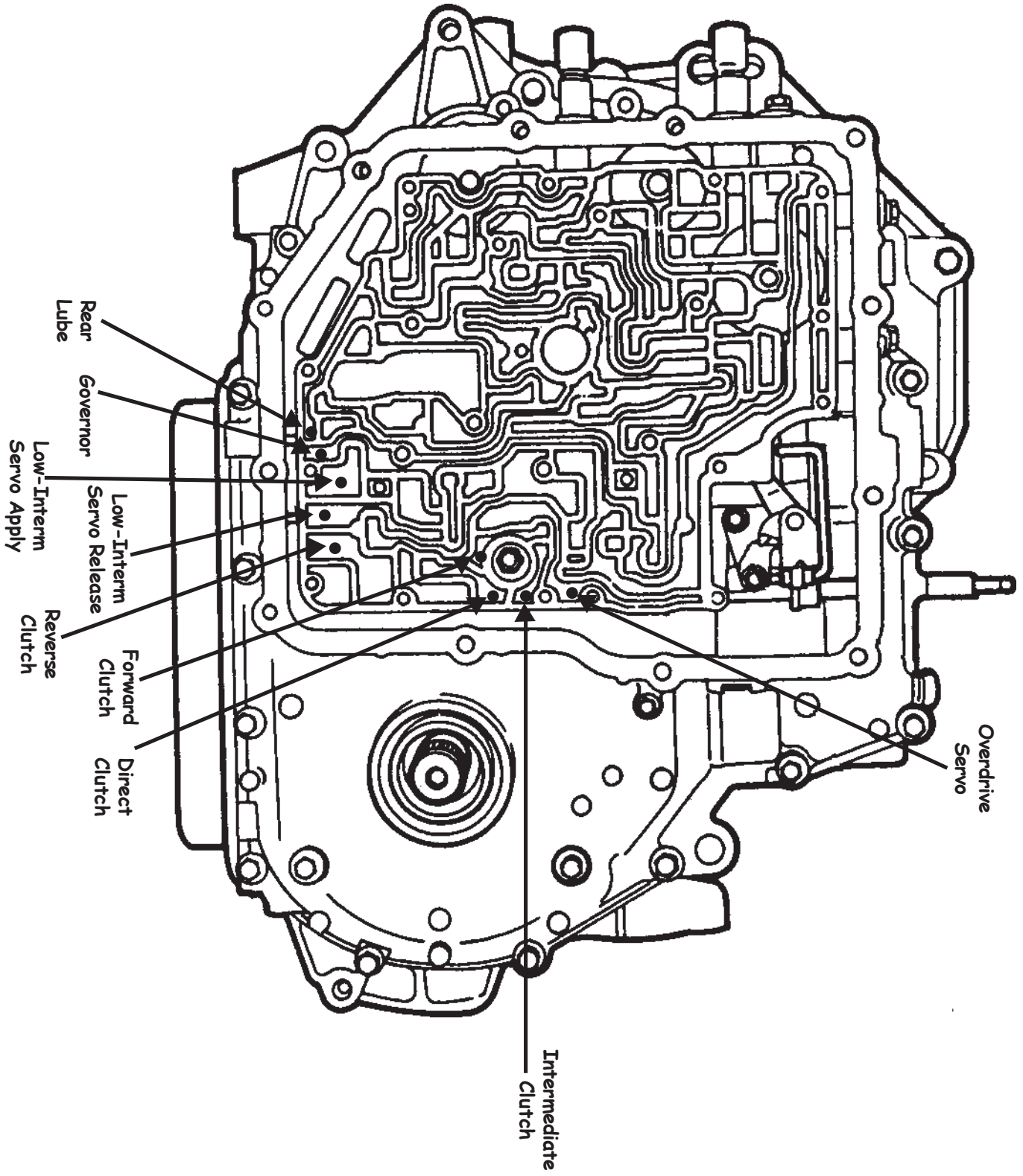
AOD



AOD-E/4R70W

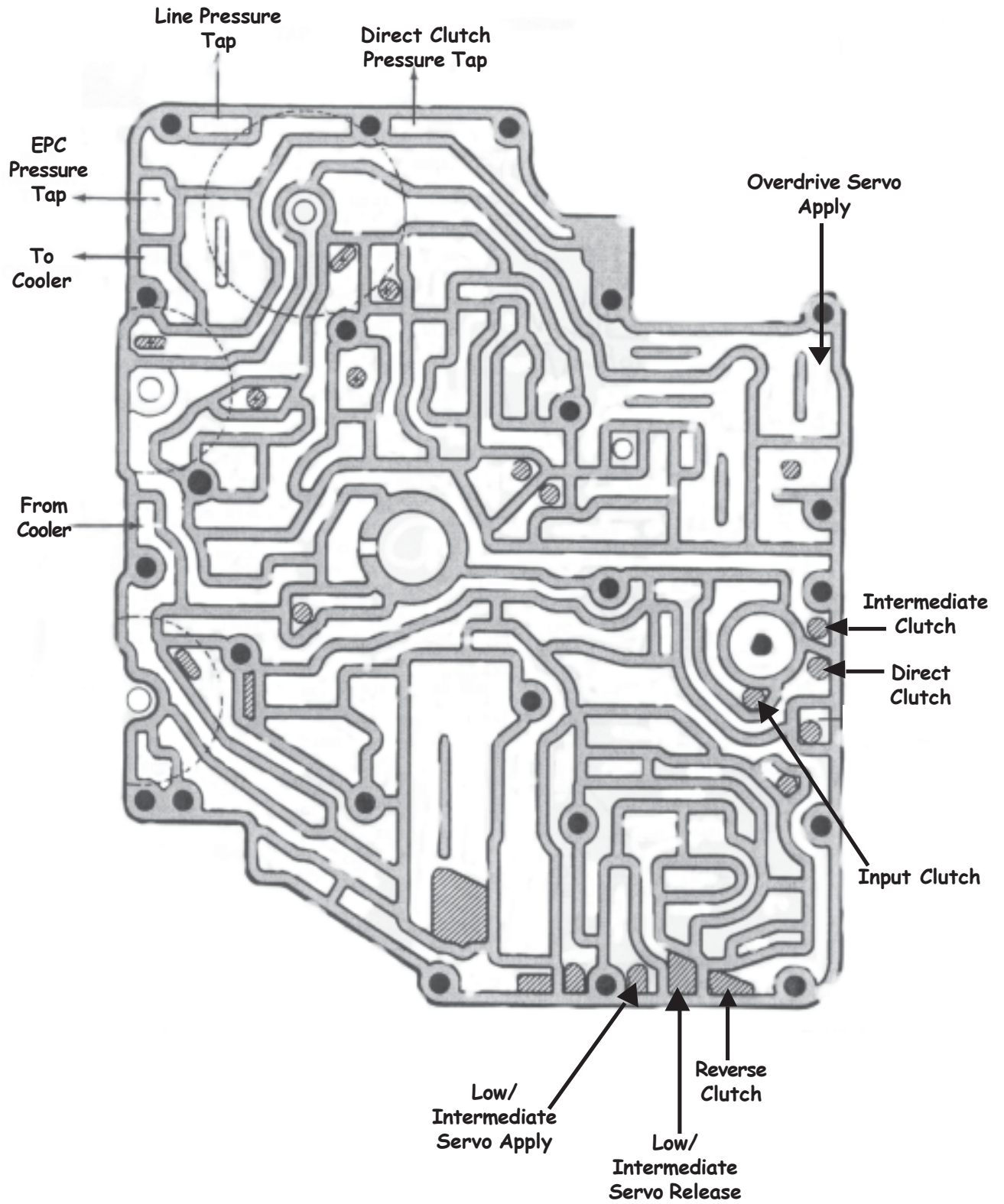


AXOD



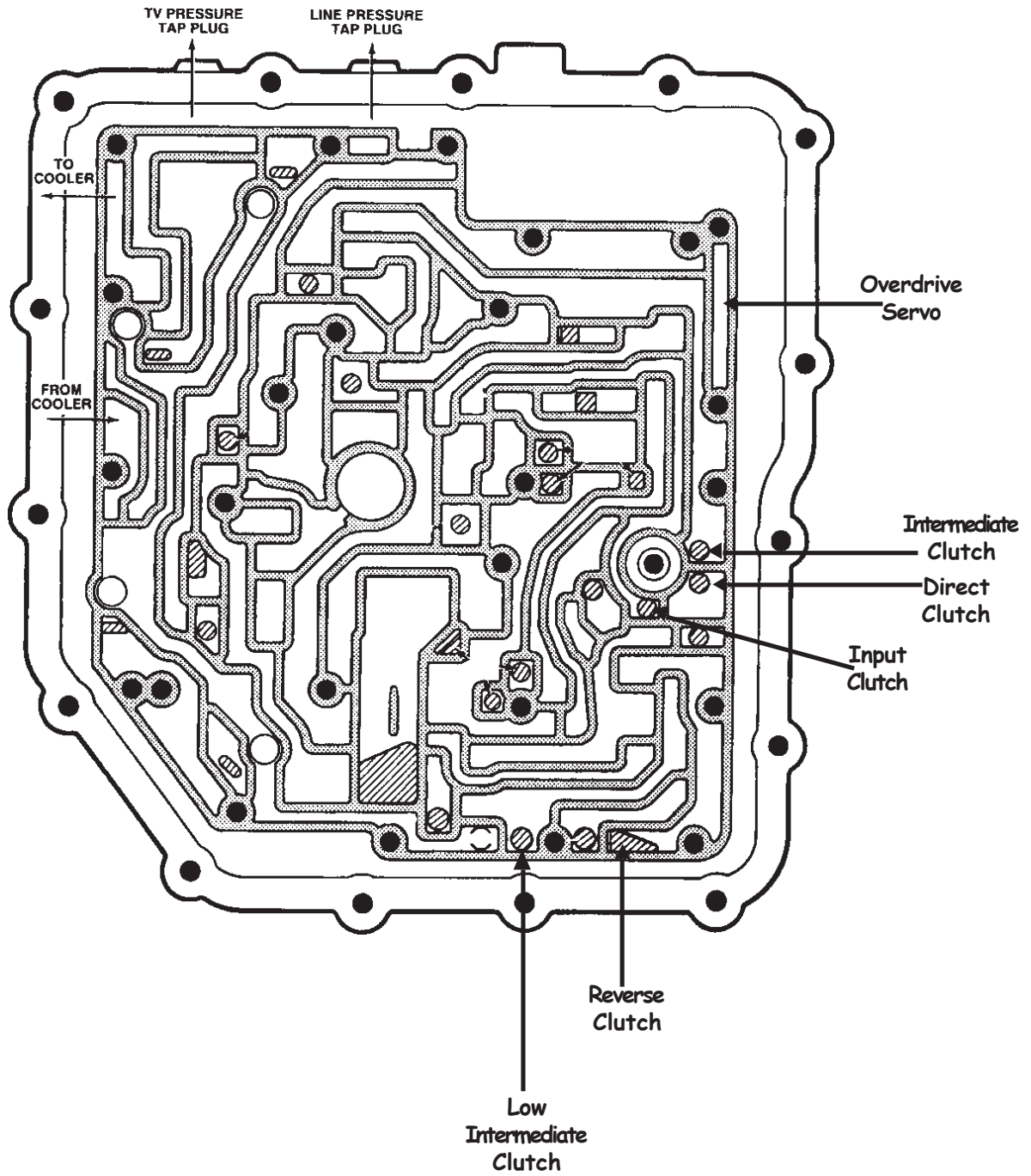
AXODE

Chain Cover (Valve Body Side)

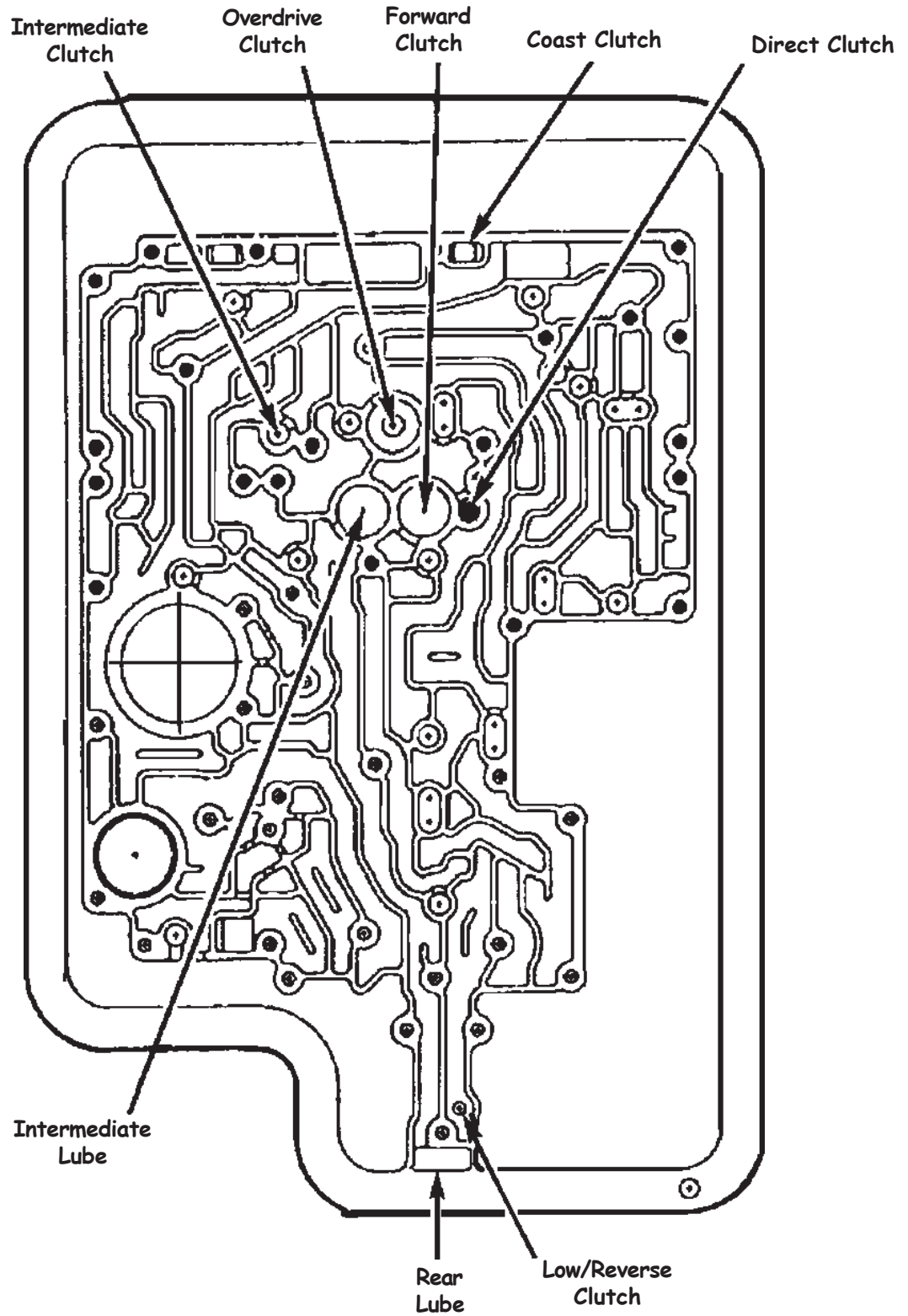


AX4N

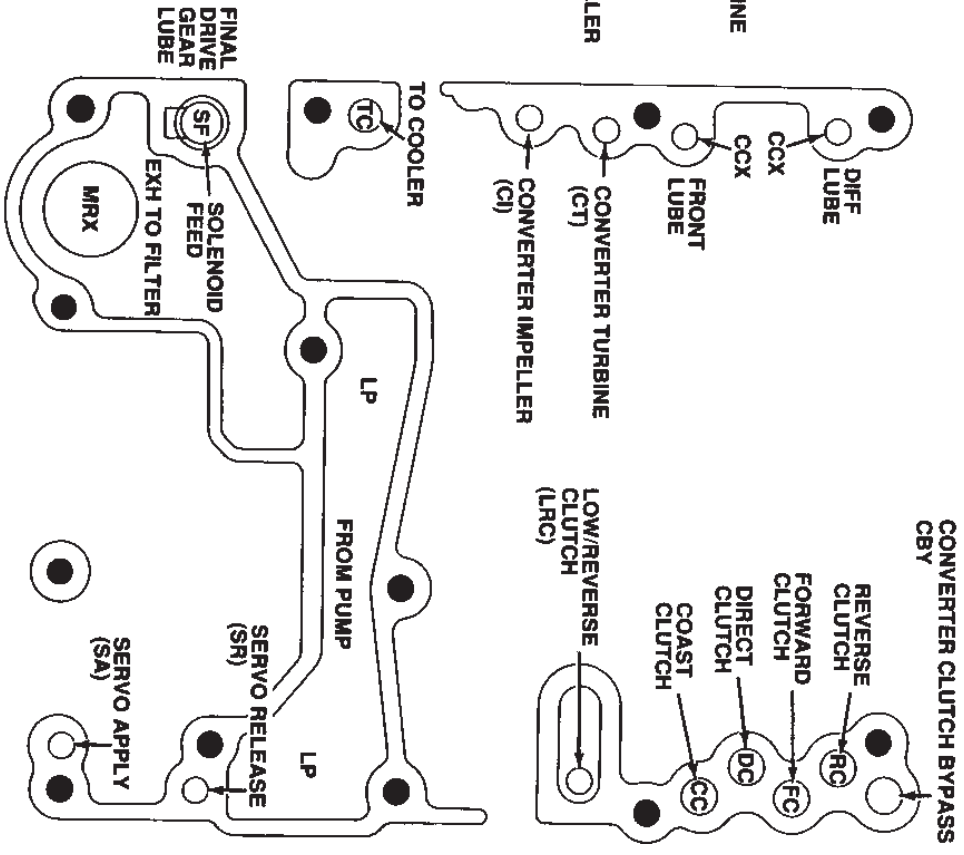
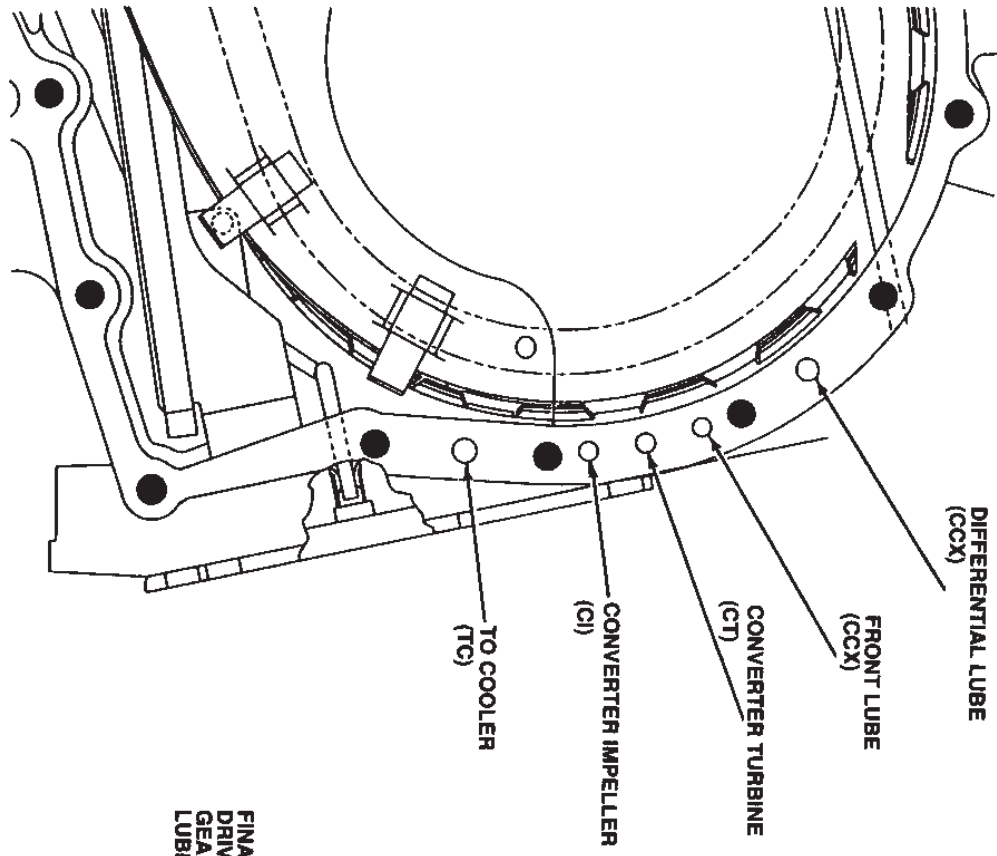
Chain Cover (Valve Body Side)



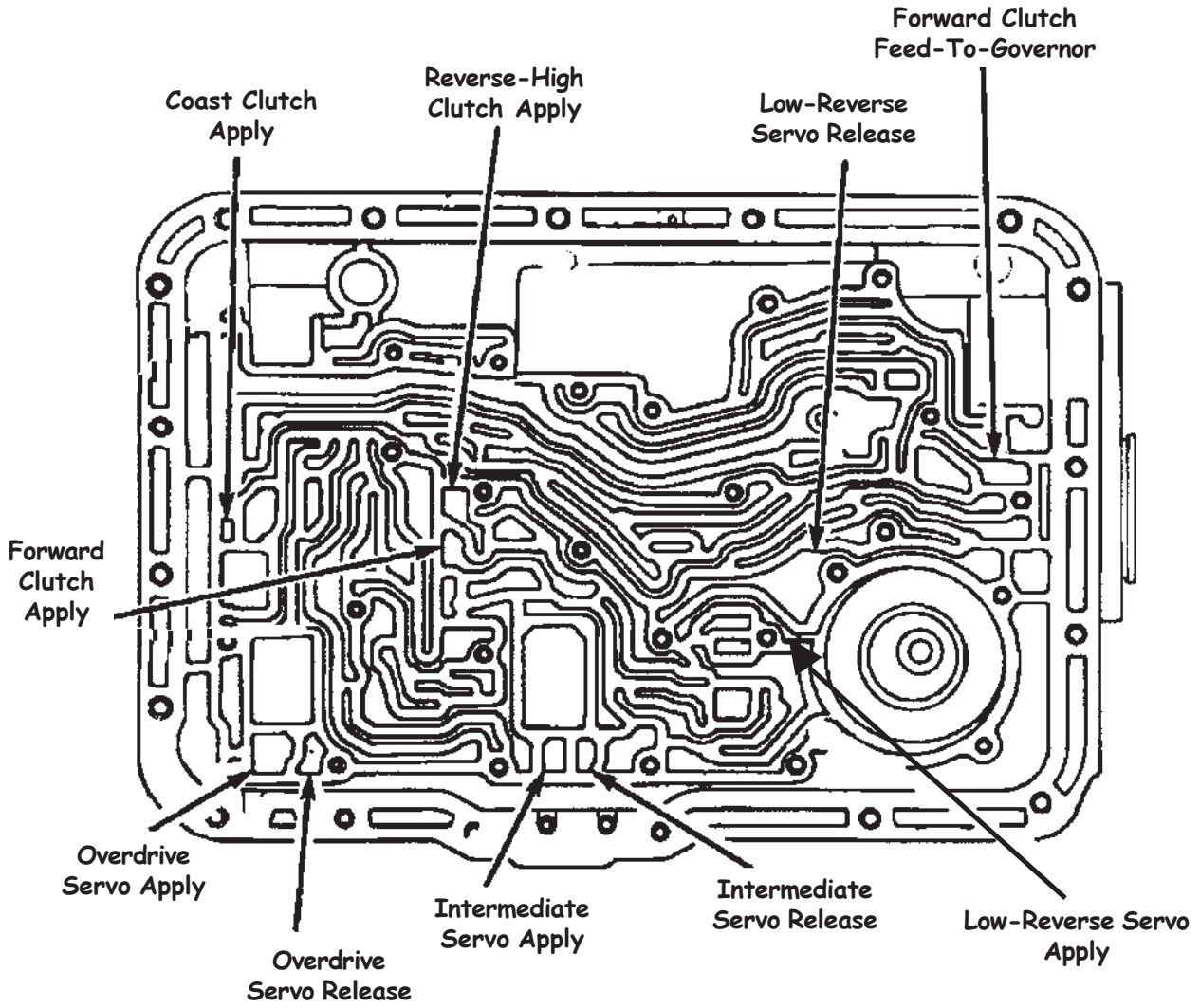
E4OD/4R100



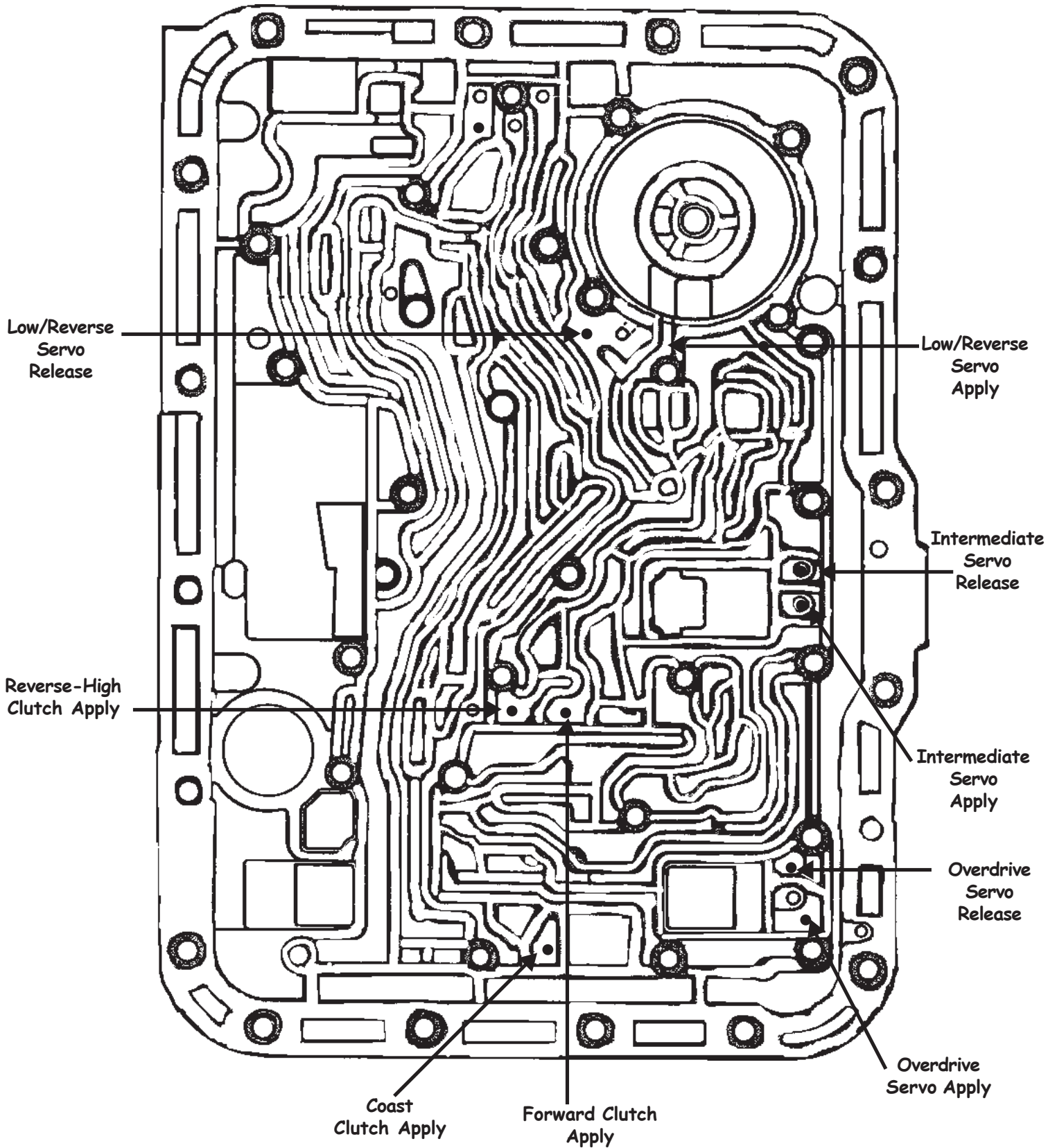
CD4E



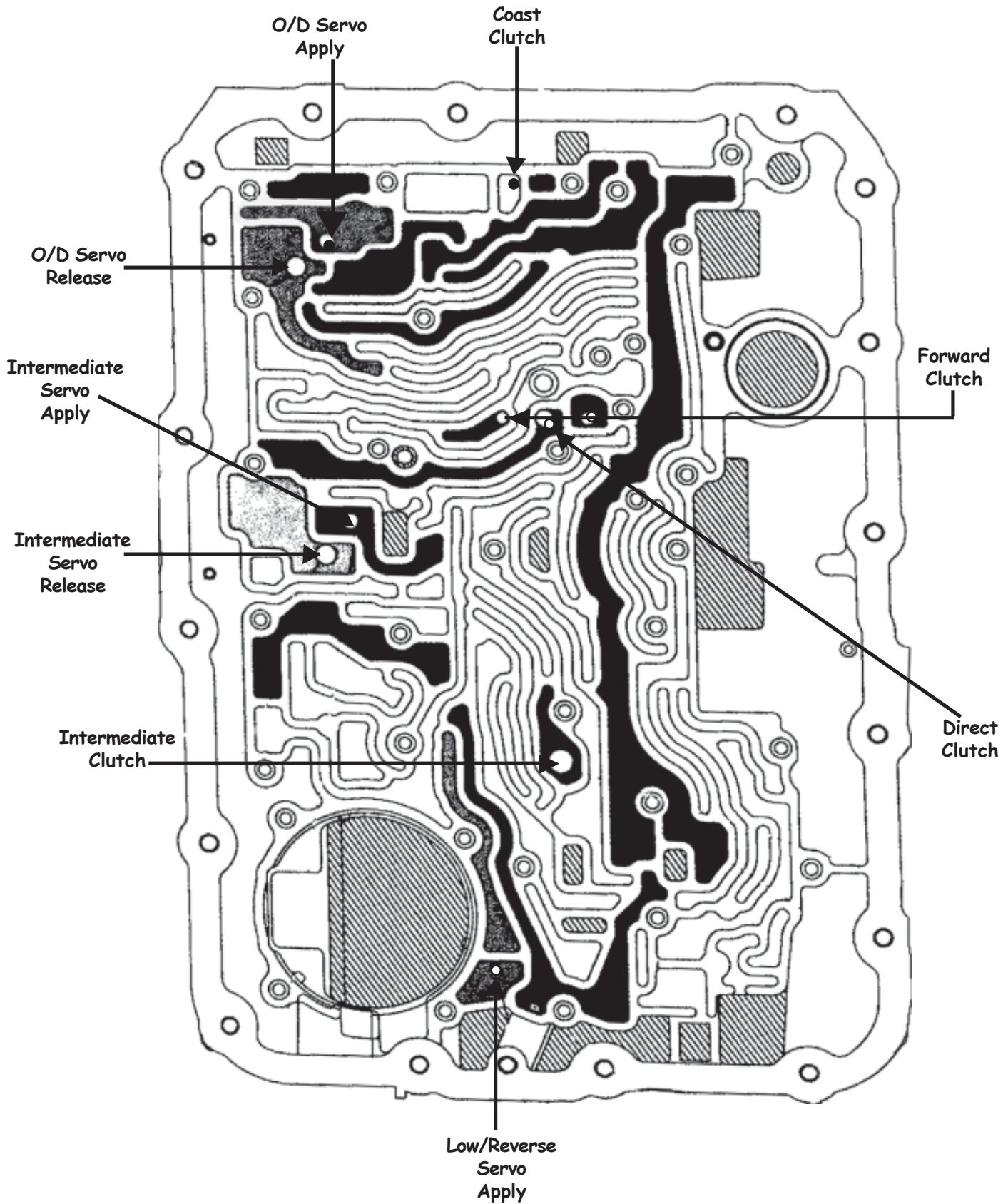
A4LD



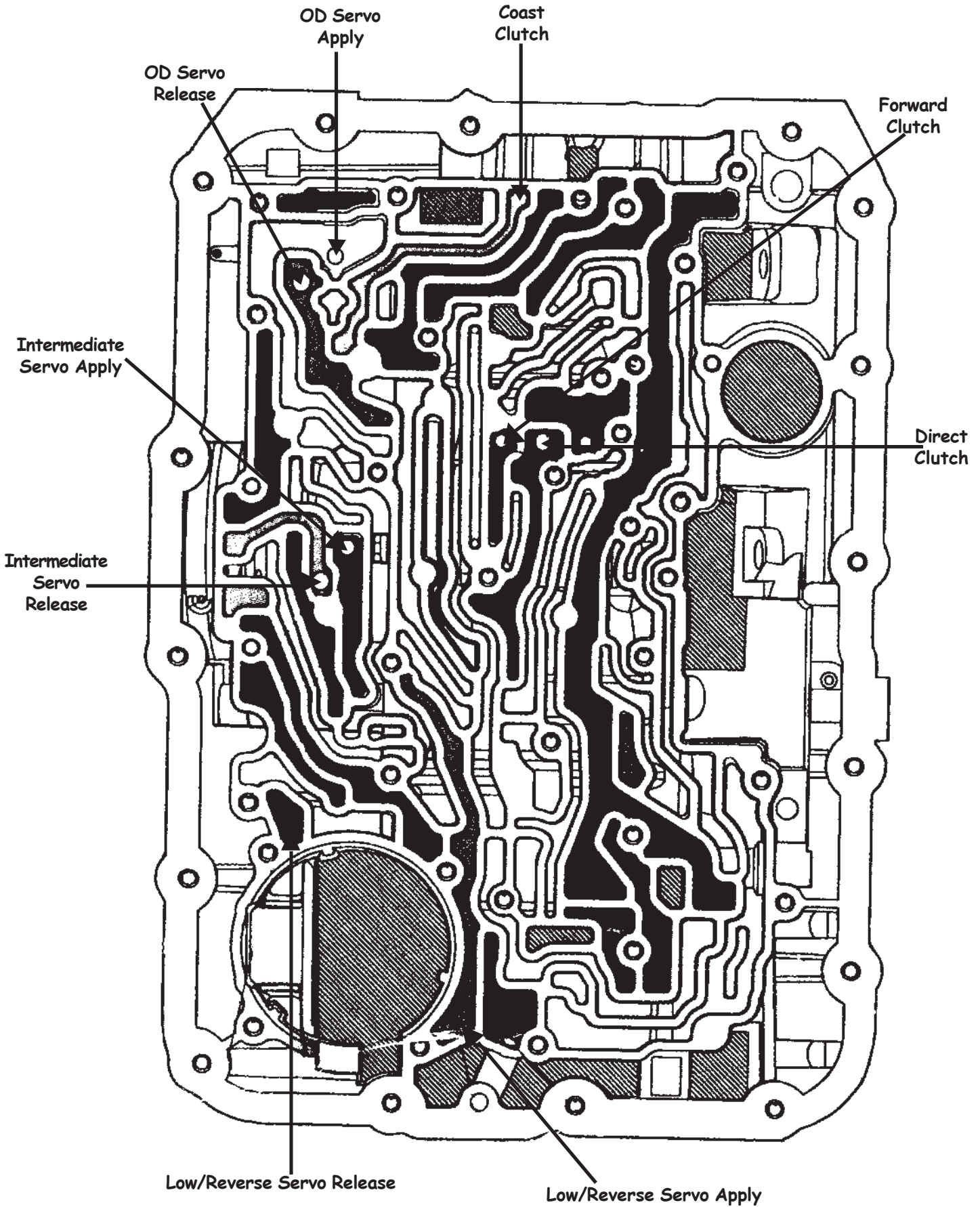
4R44E/4R55E/5R55E



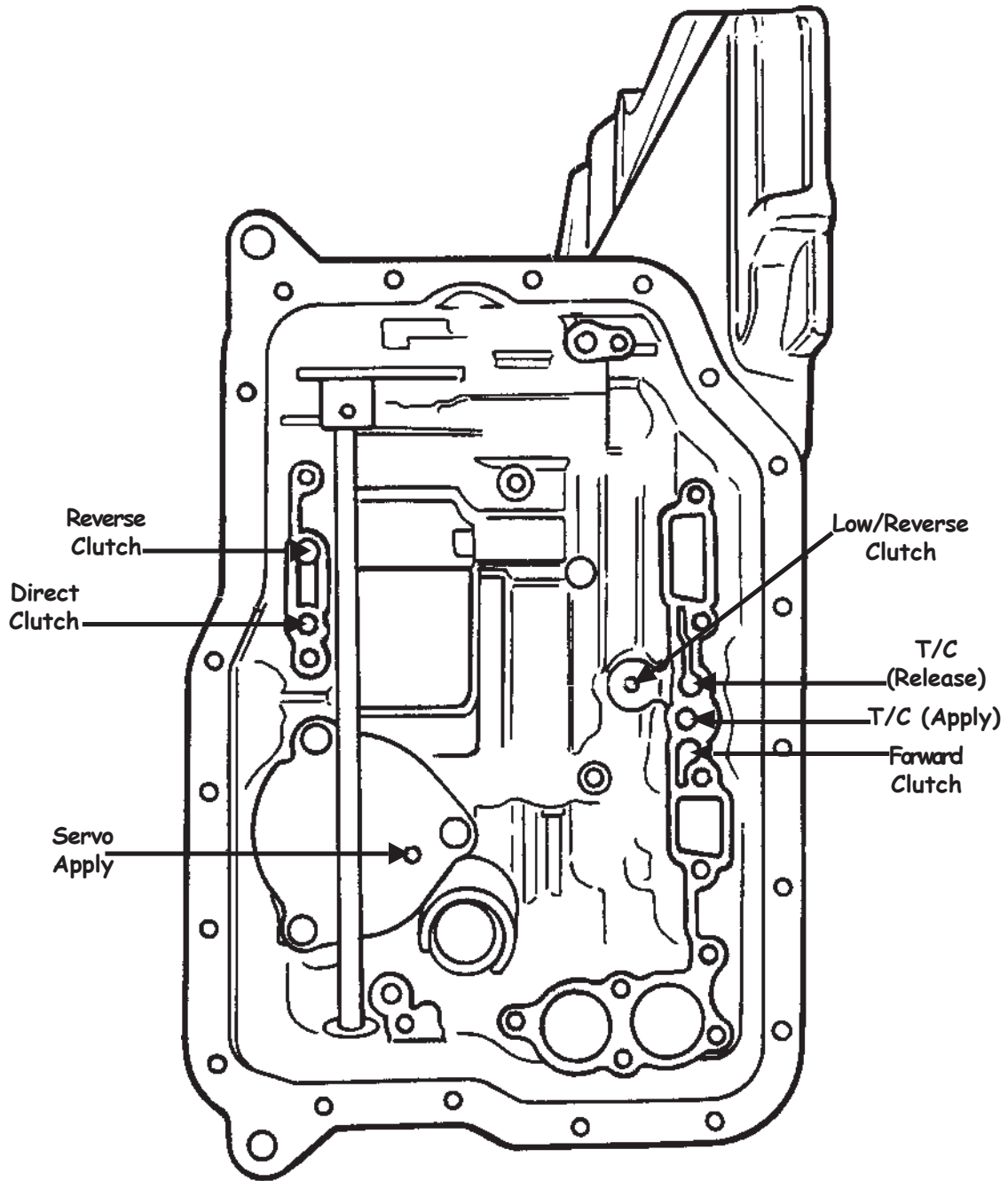
5R55N

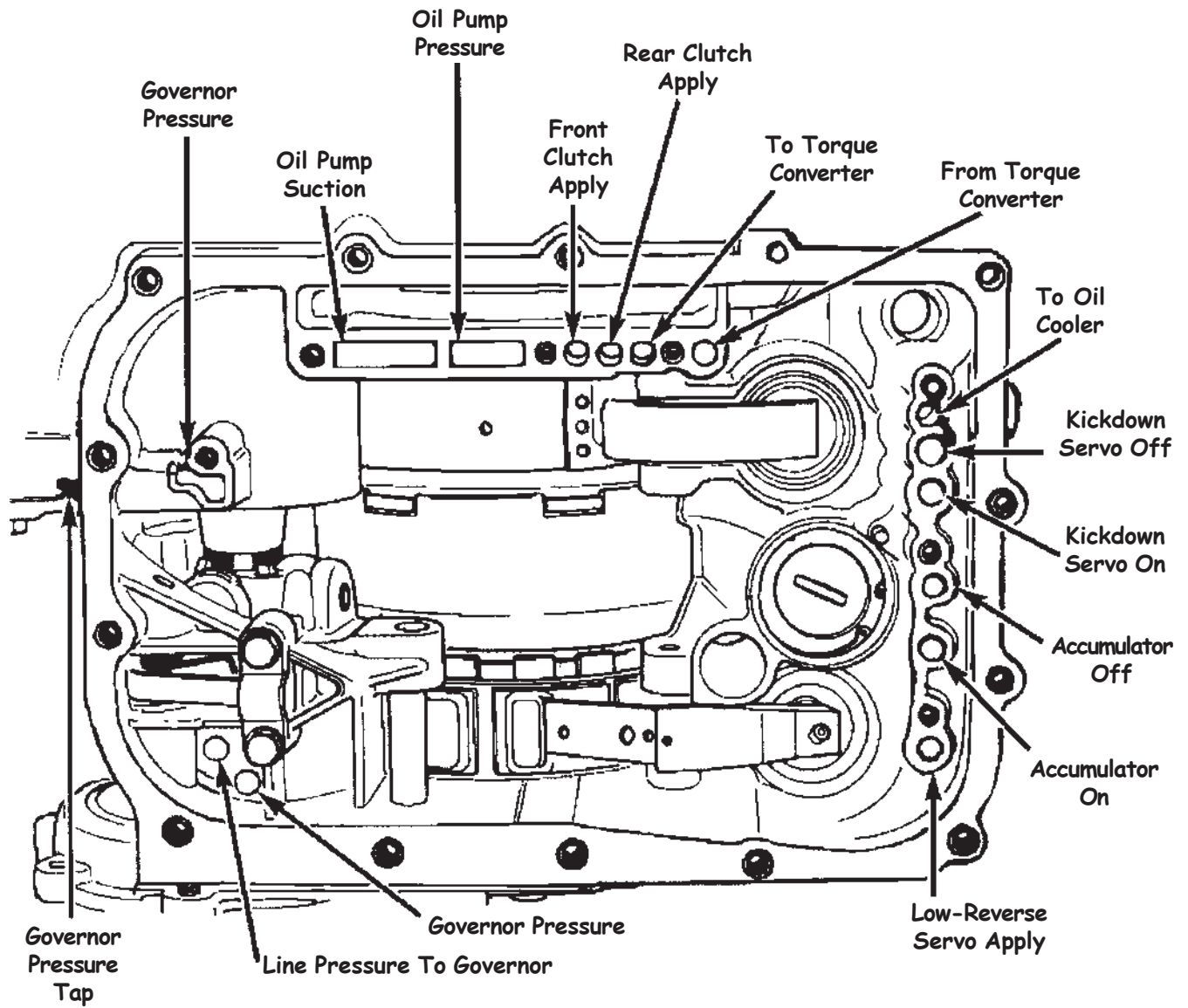


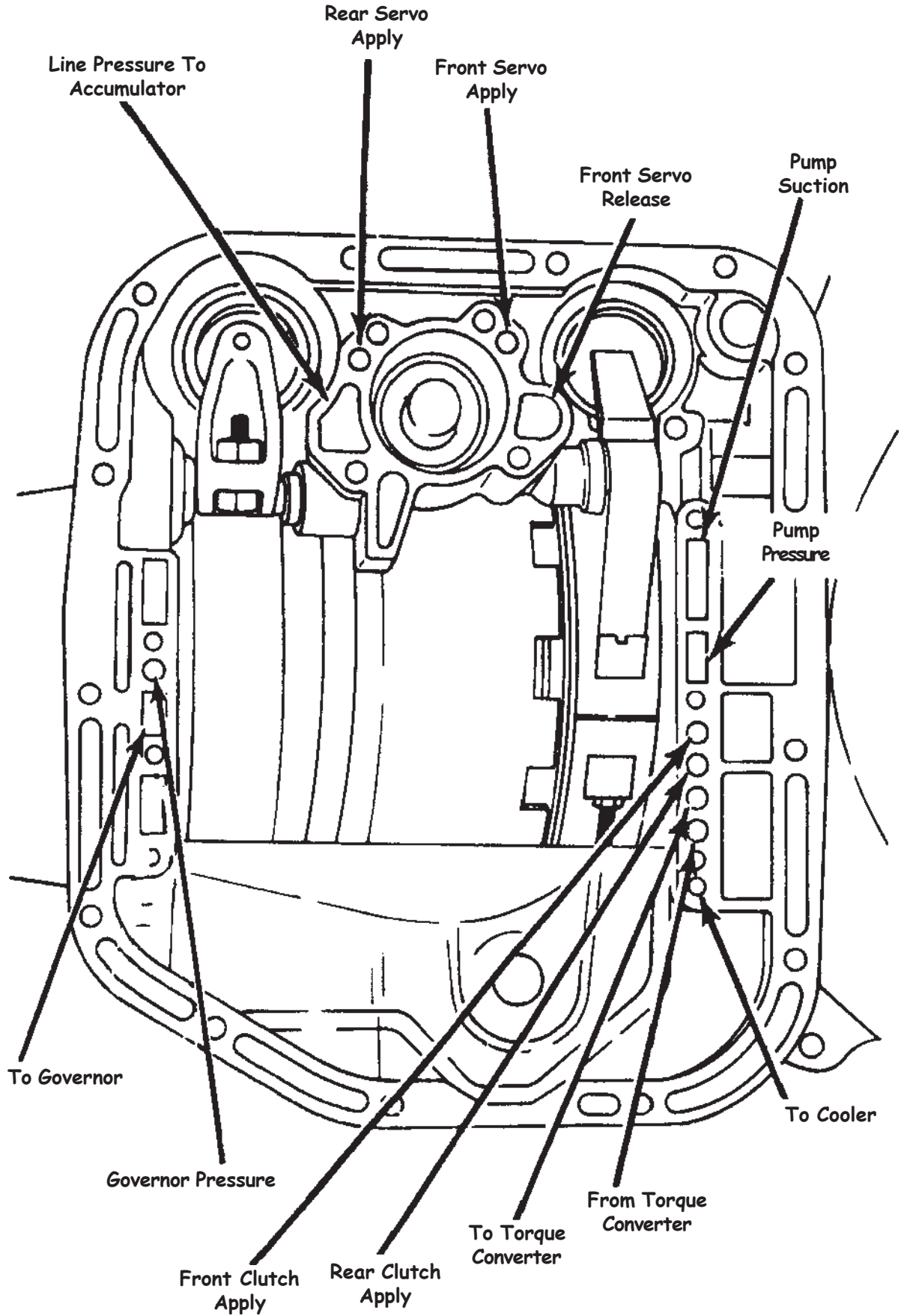
5R55W/S



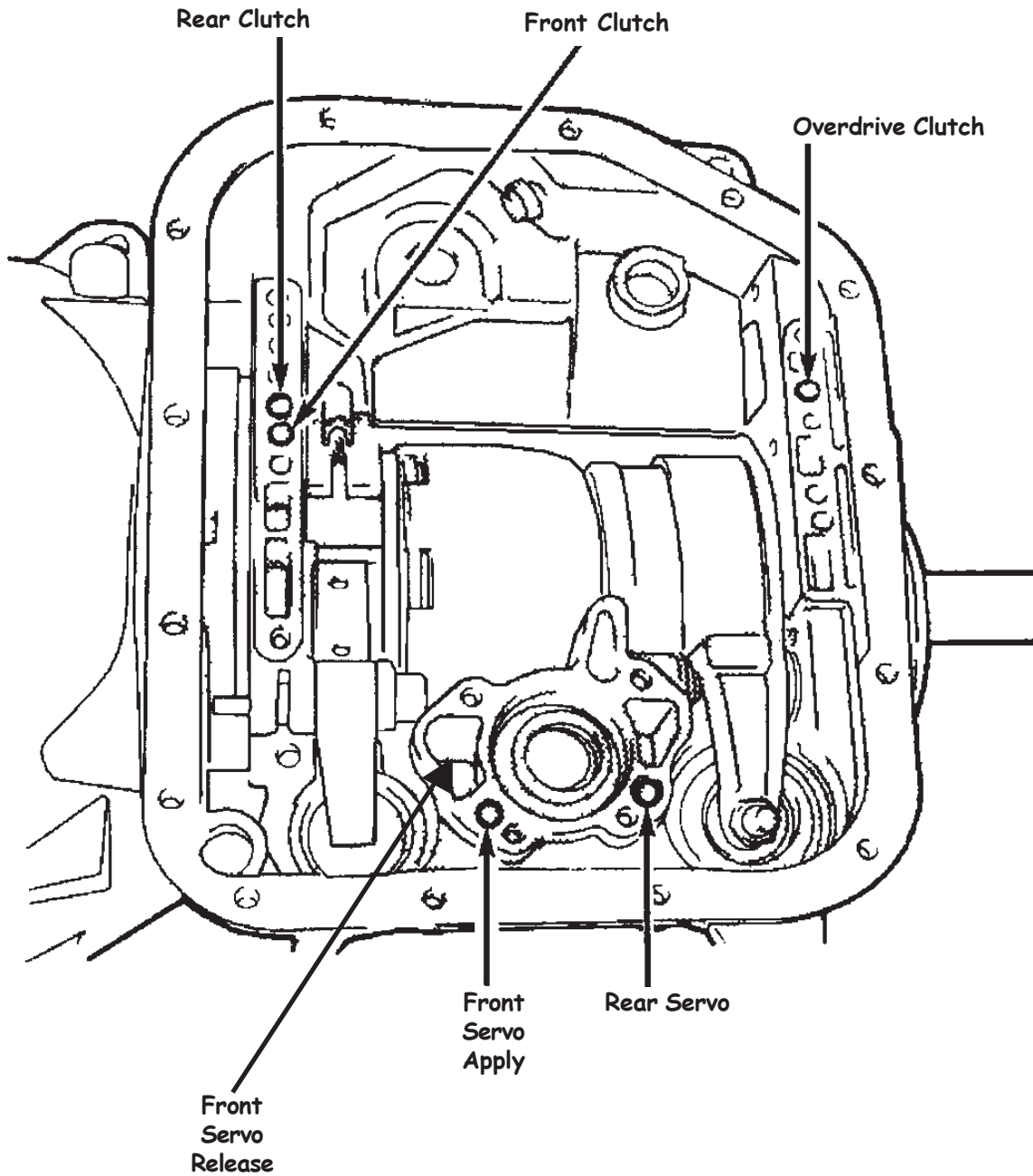
4F27E

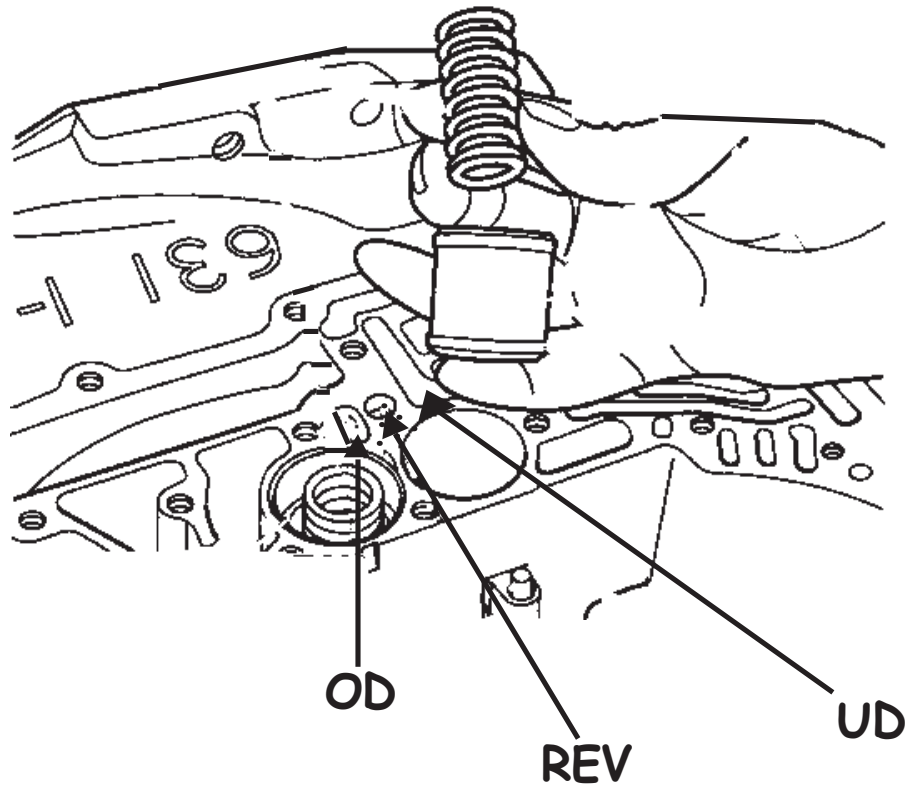
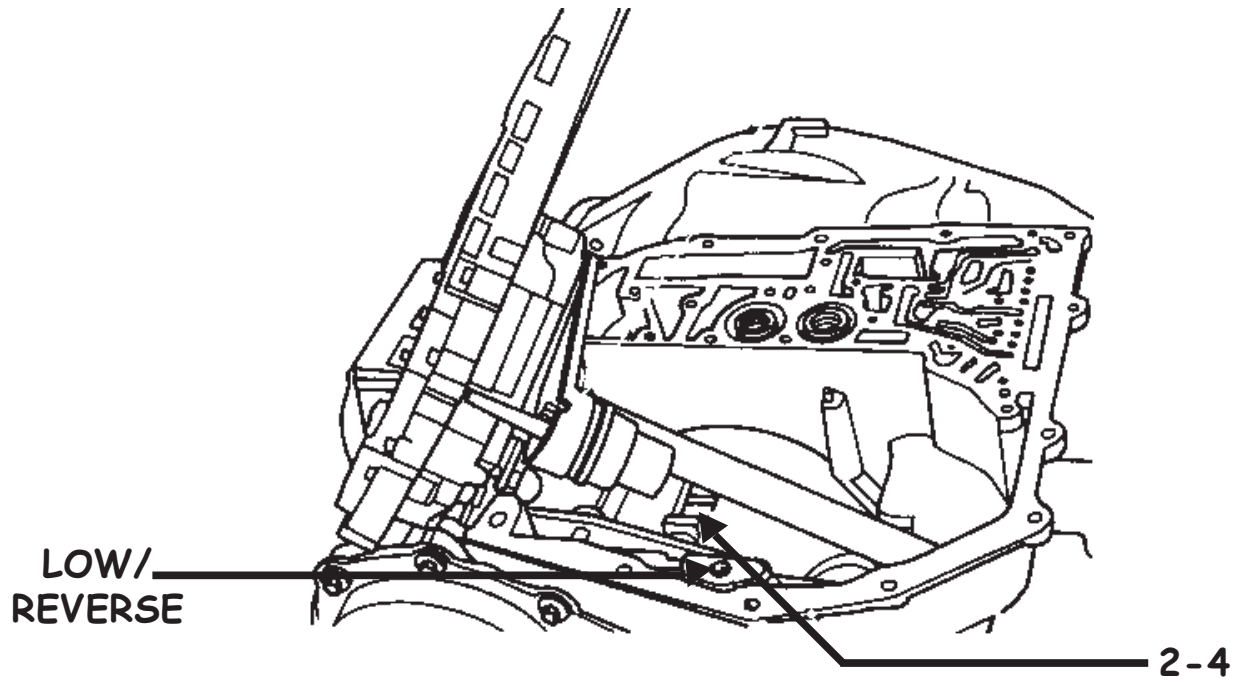


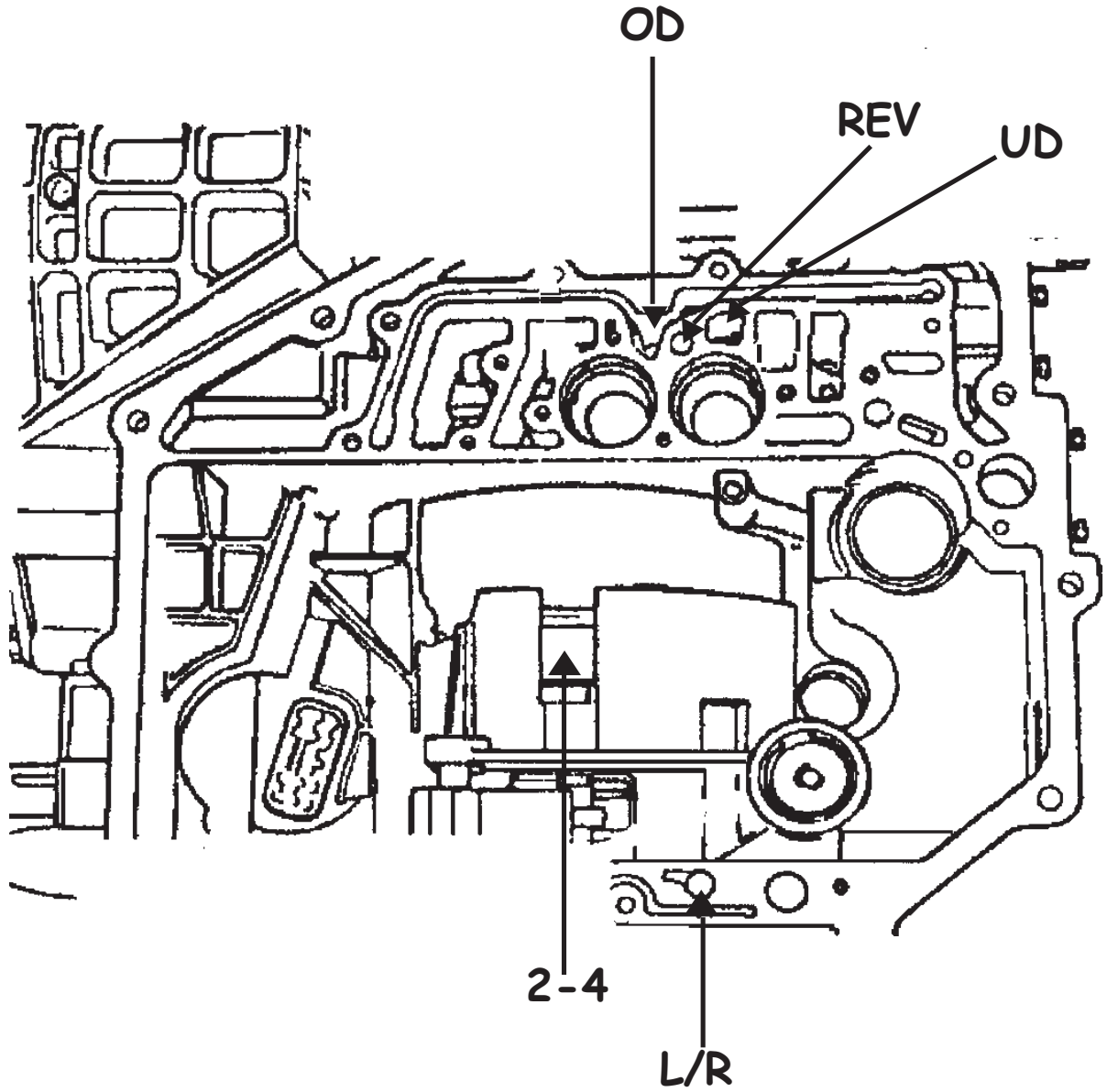




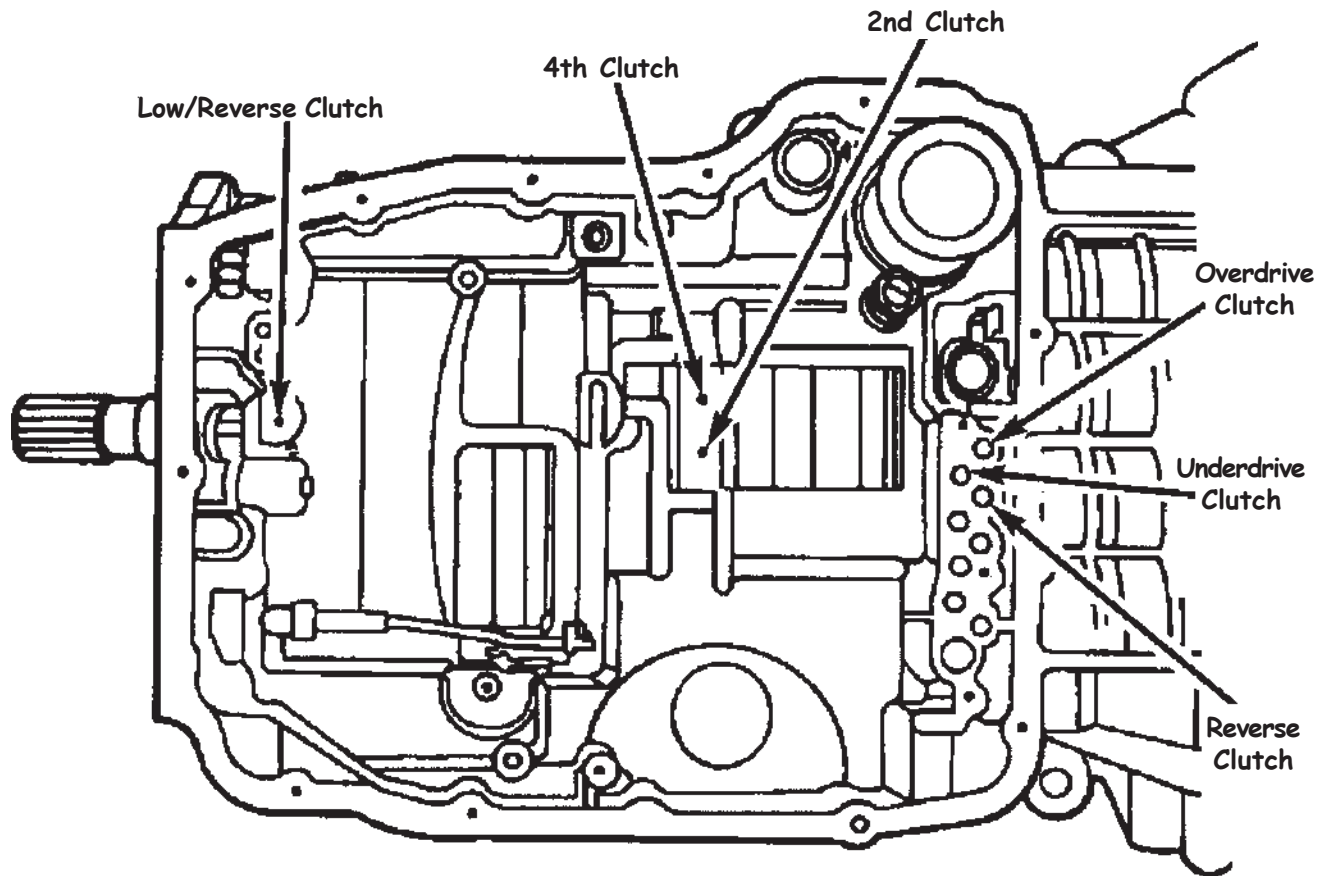
A500/A518/42RE/44RE/46RE/47RE



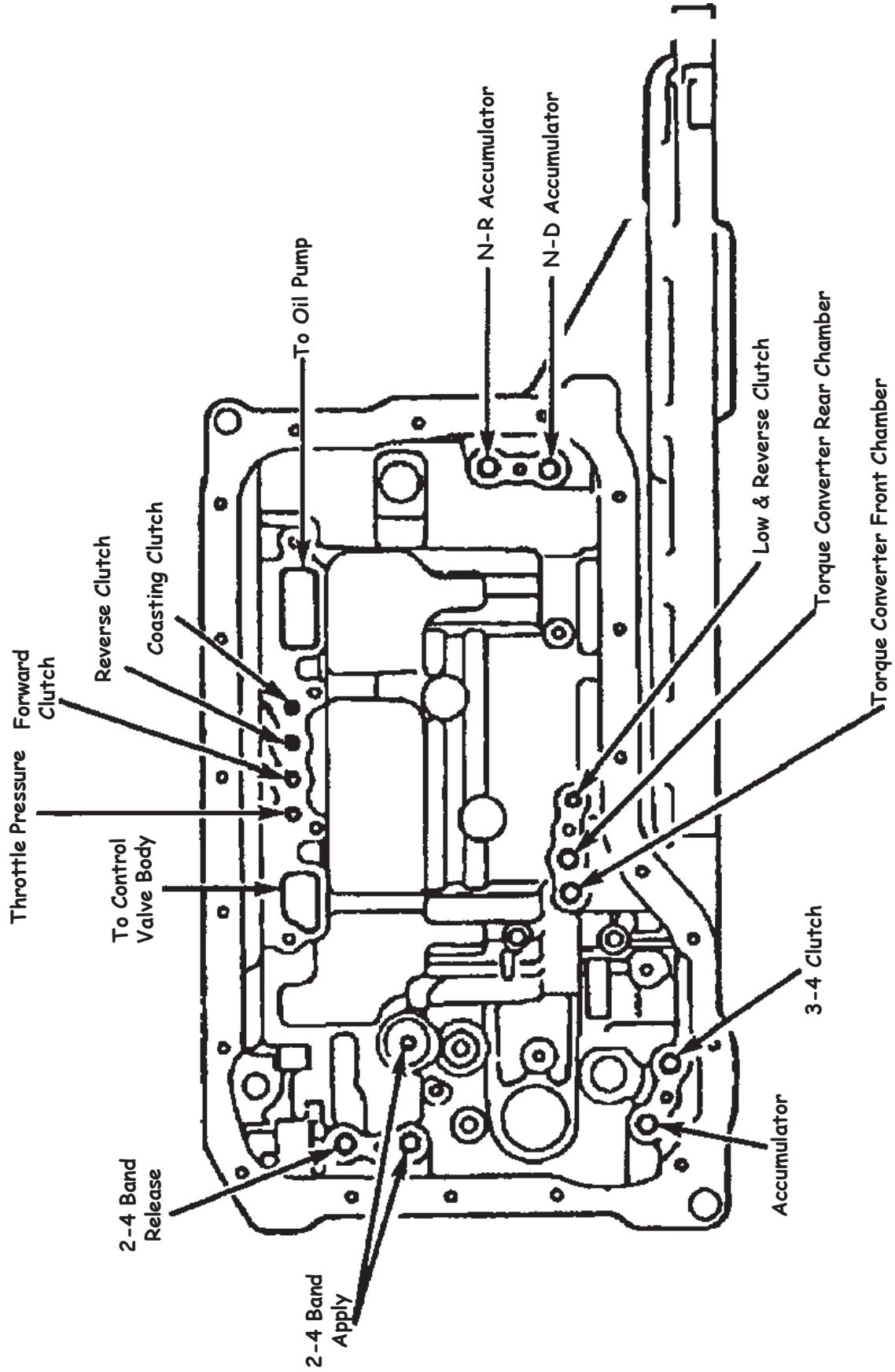




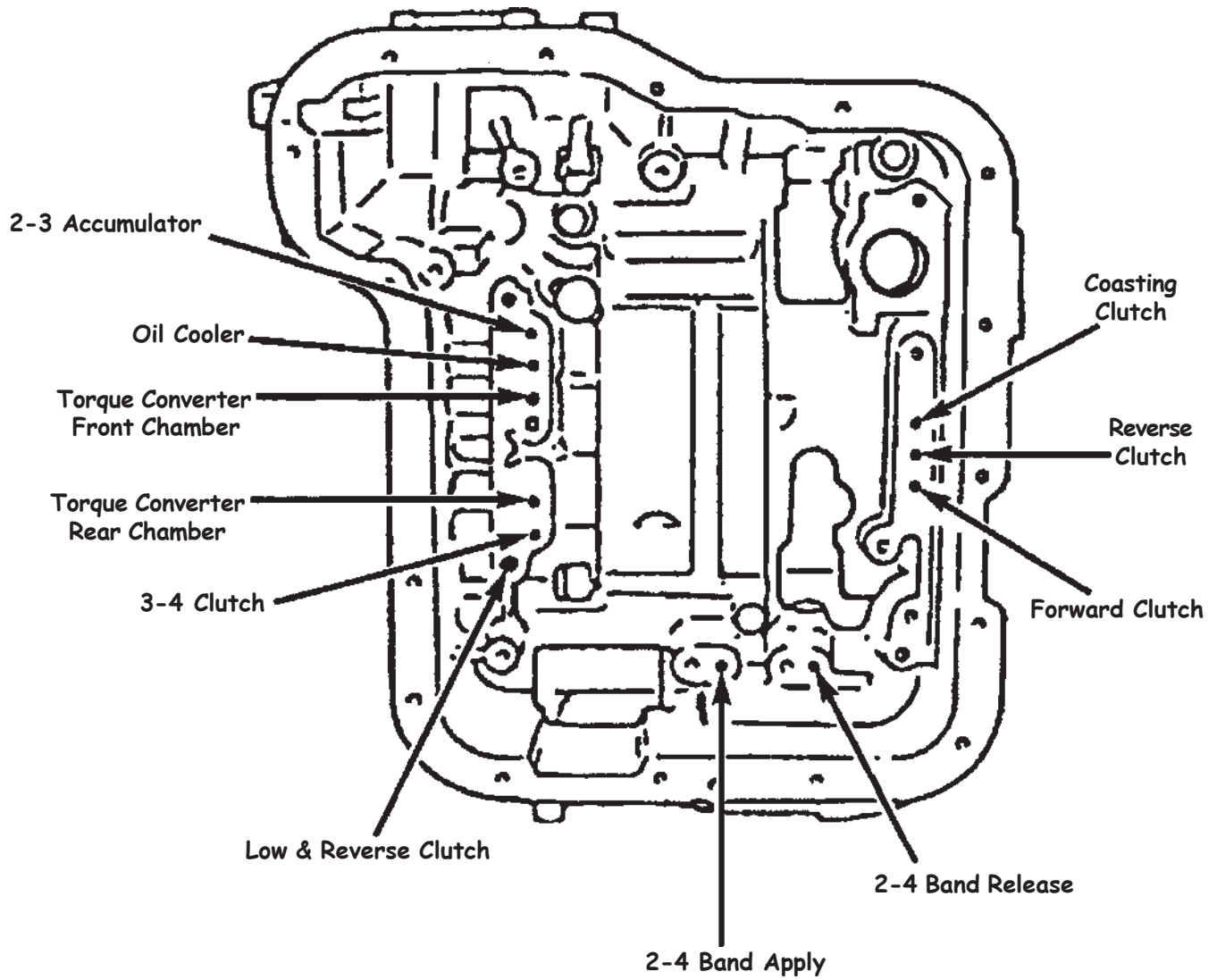
45RFE



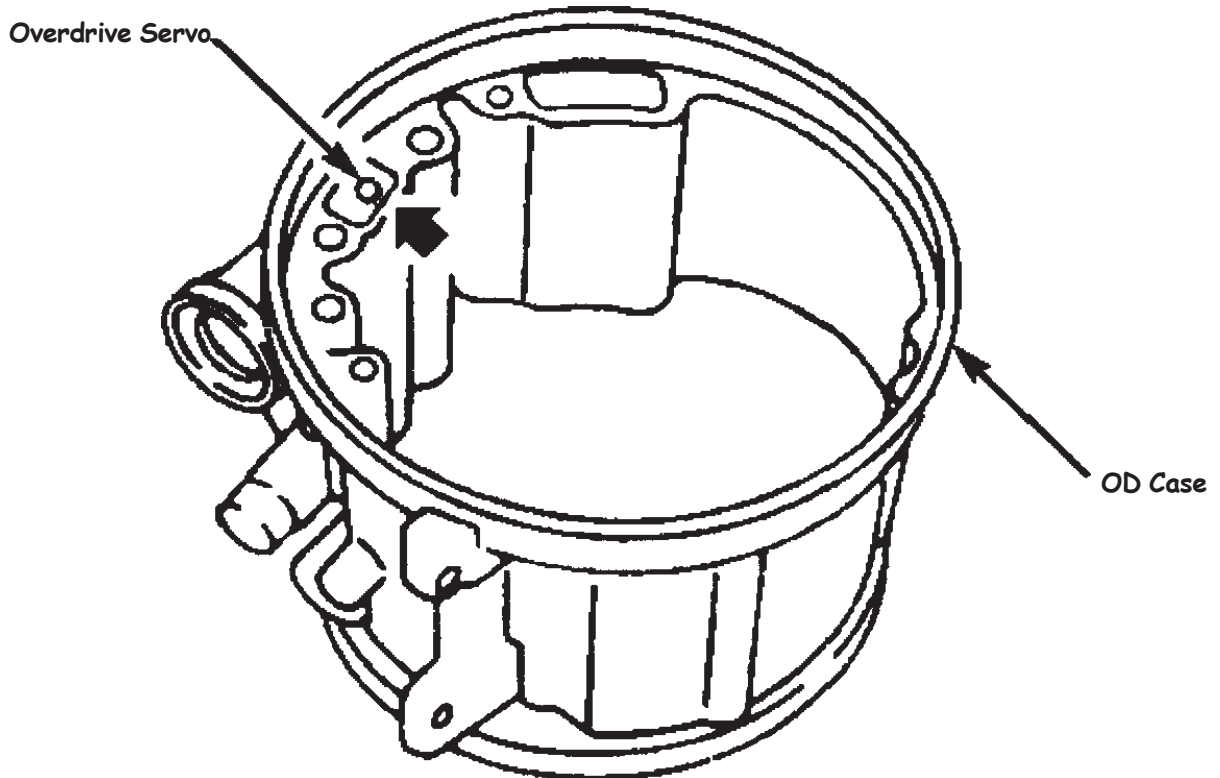
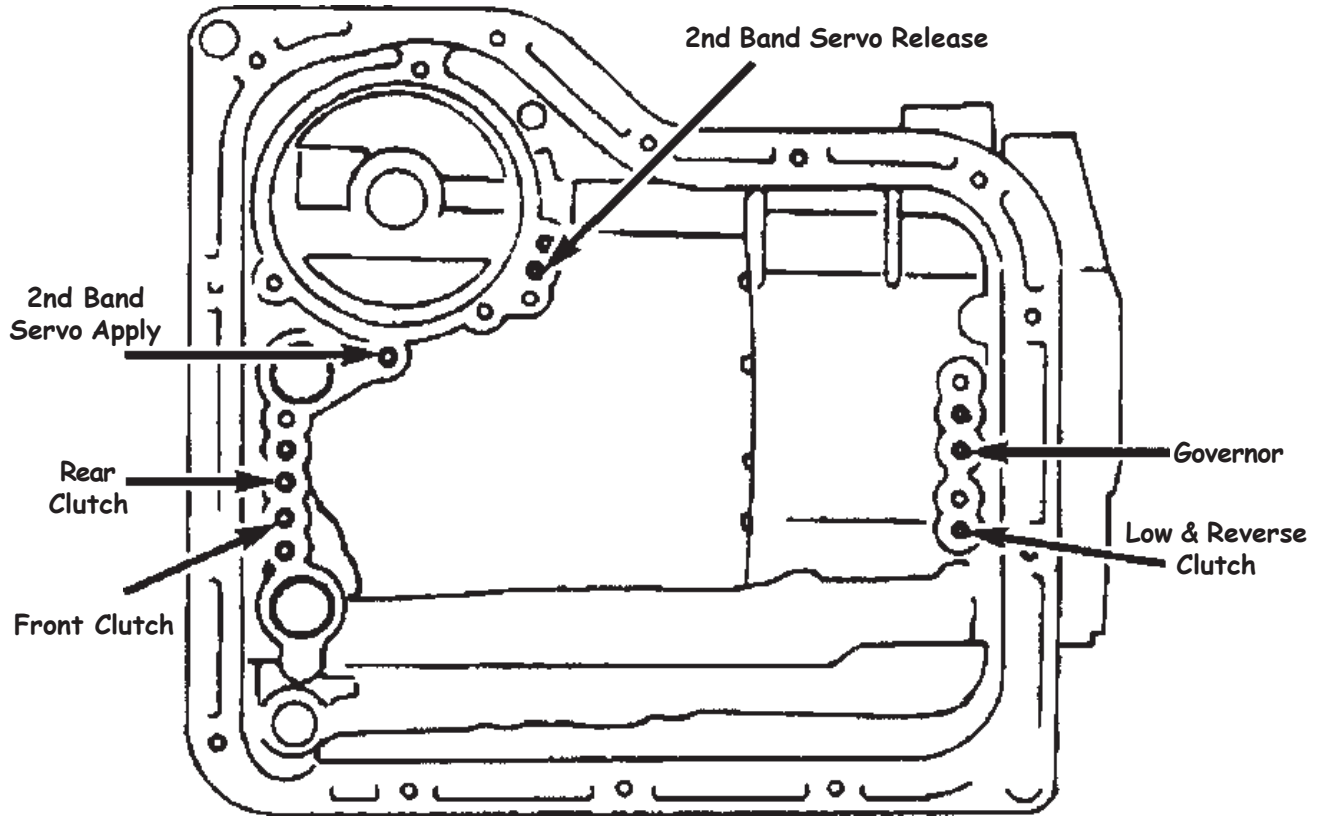
F4AEL



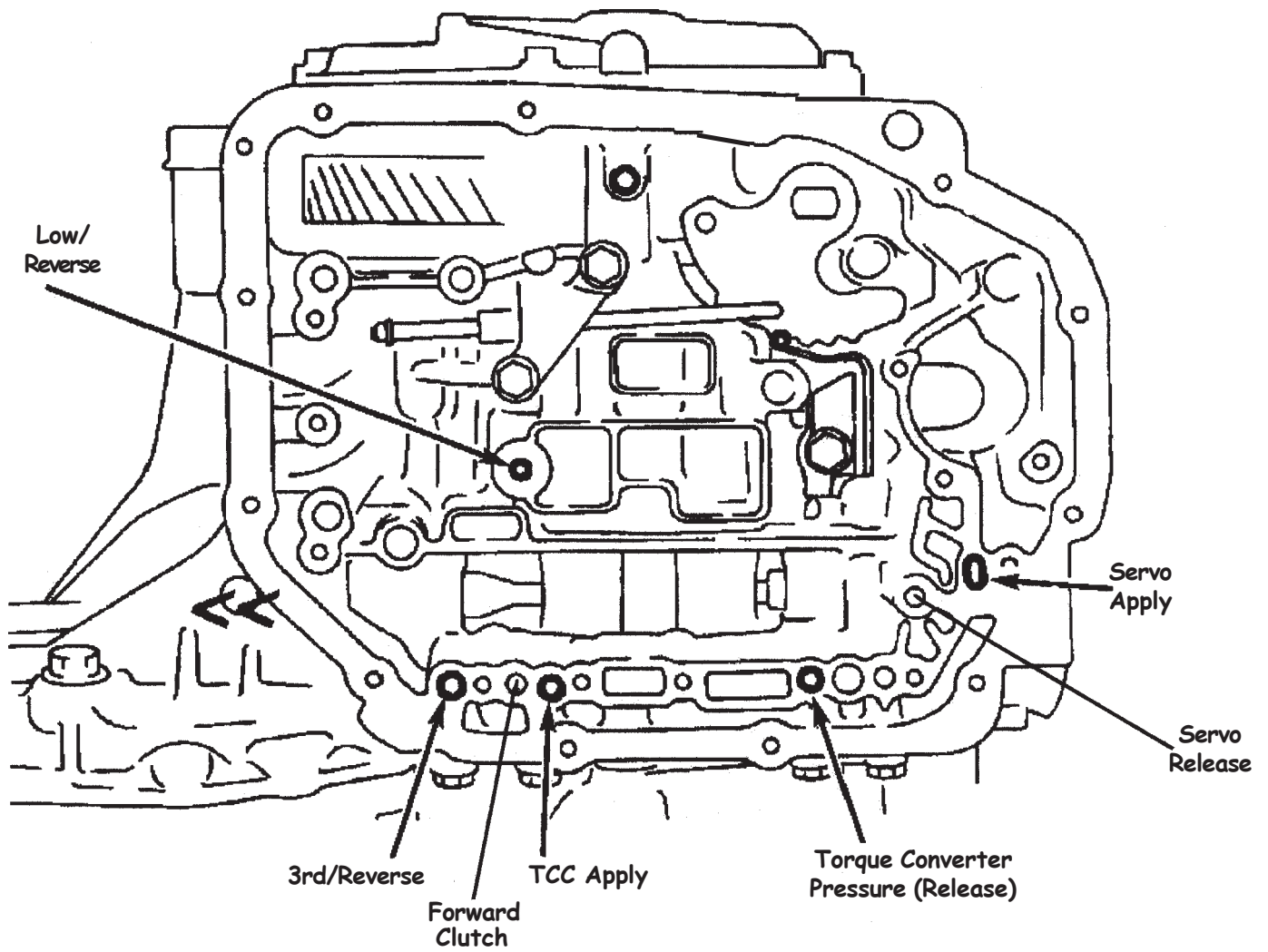
GF4AEL/G4AEL/G4AFEL



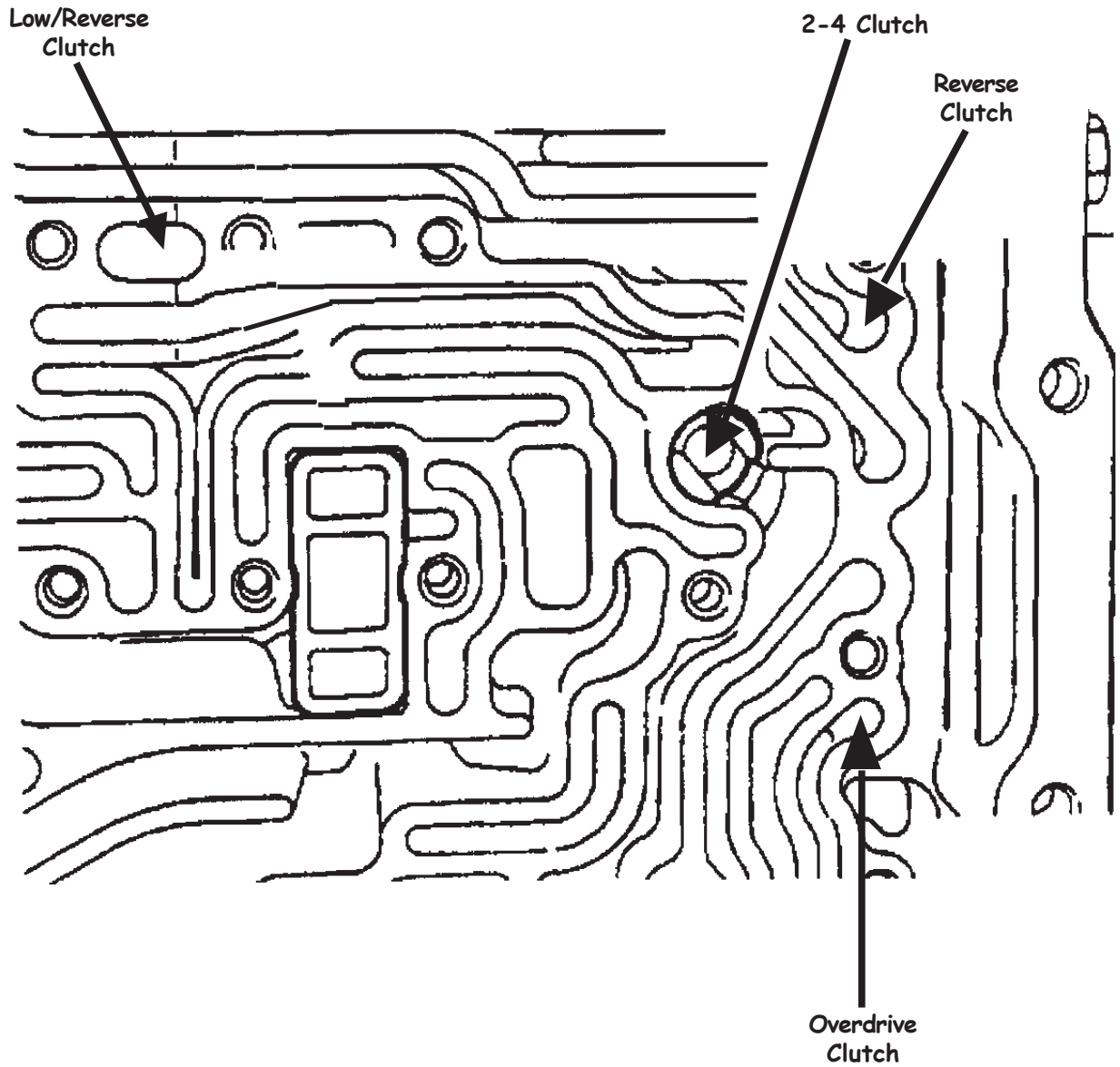
N4AEL/N4AHL/NC4AEL

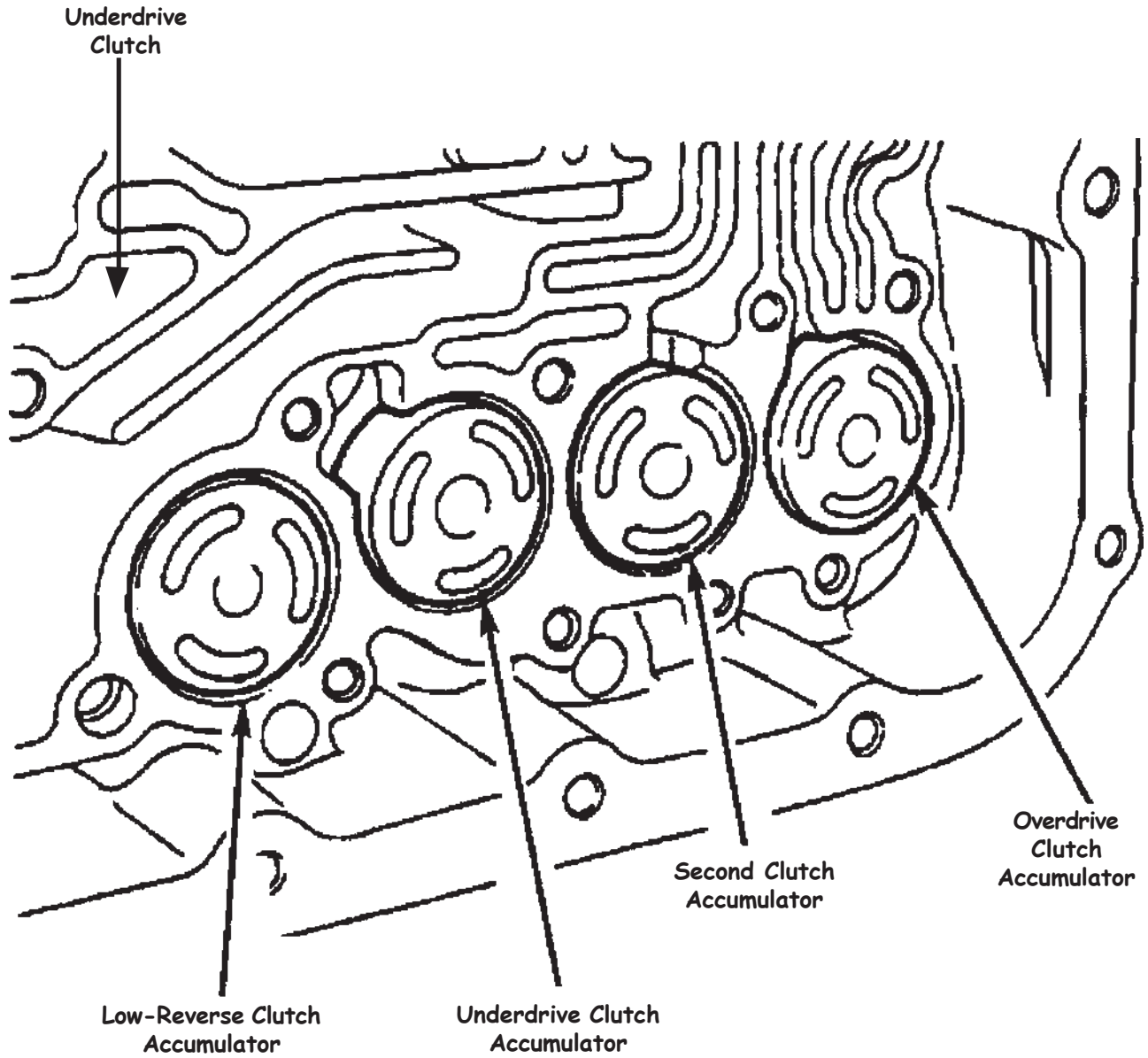


F3A20

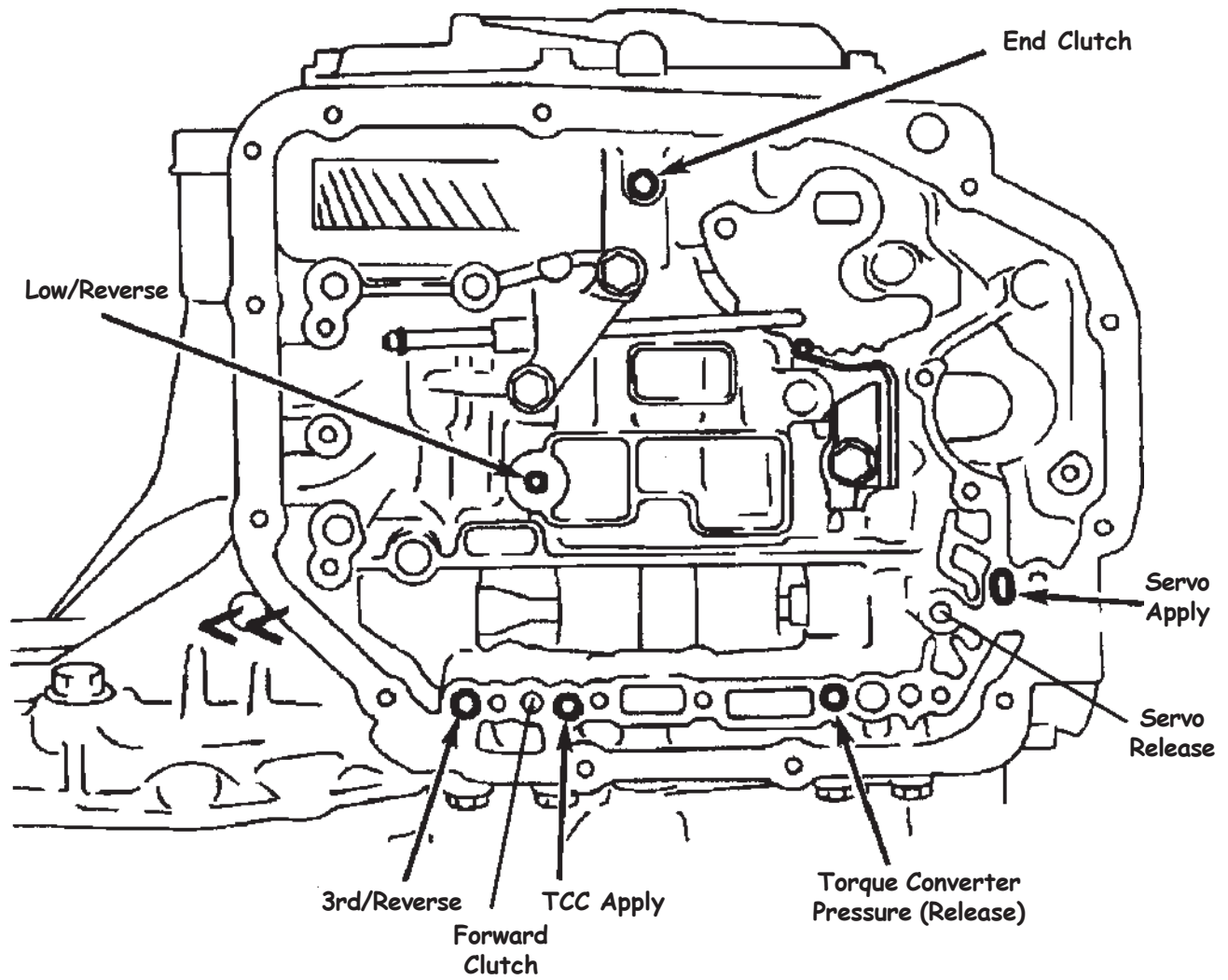


F4A41/42/F4A51

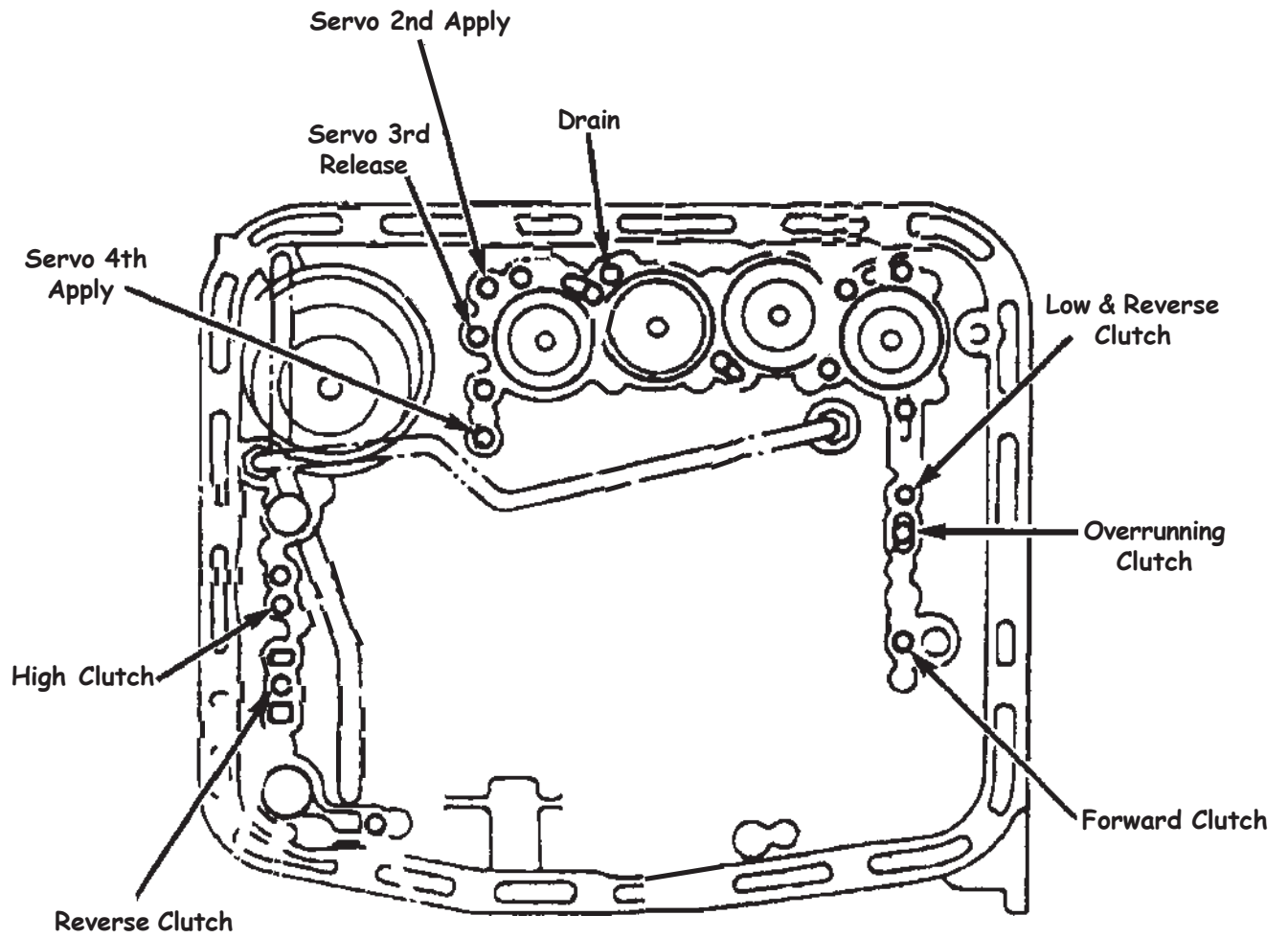




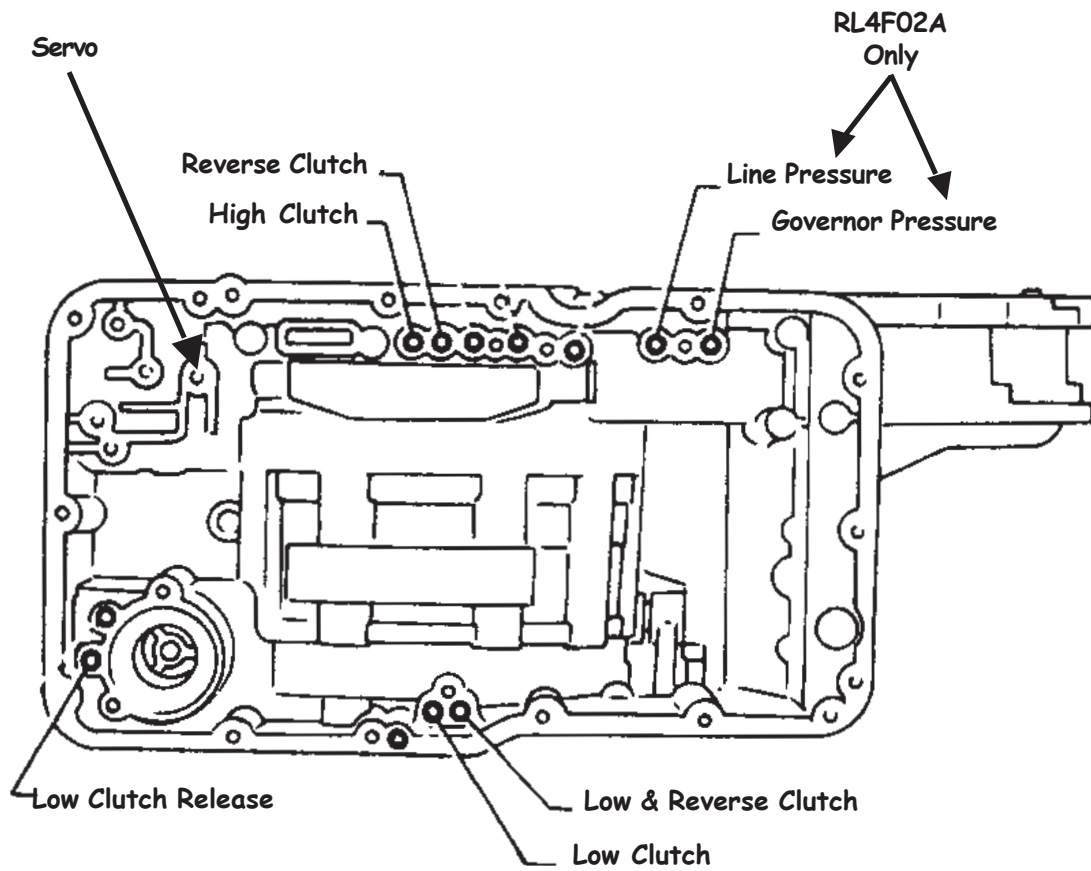
F4A20/F4A30/KM175/KM176/KM177



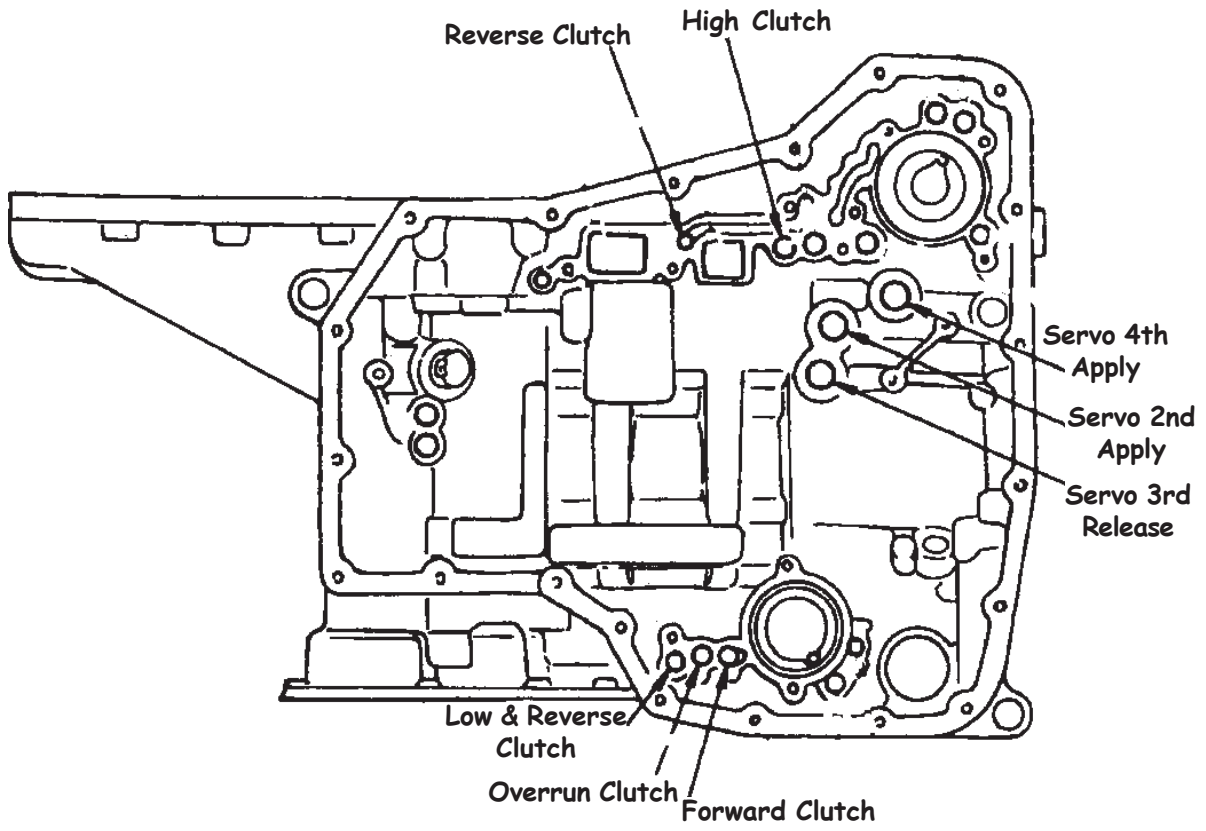
RE4R01A/JR403E/Subaru 4EAT



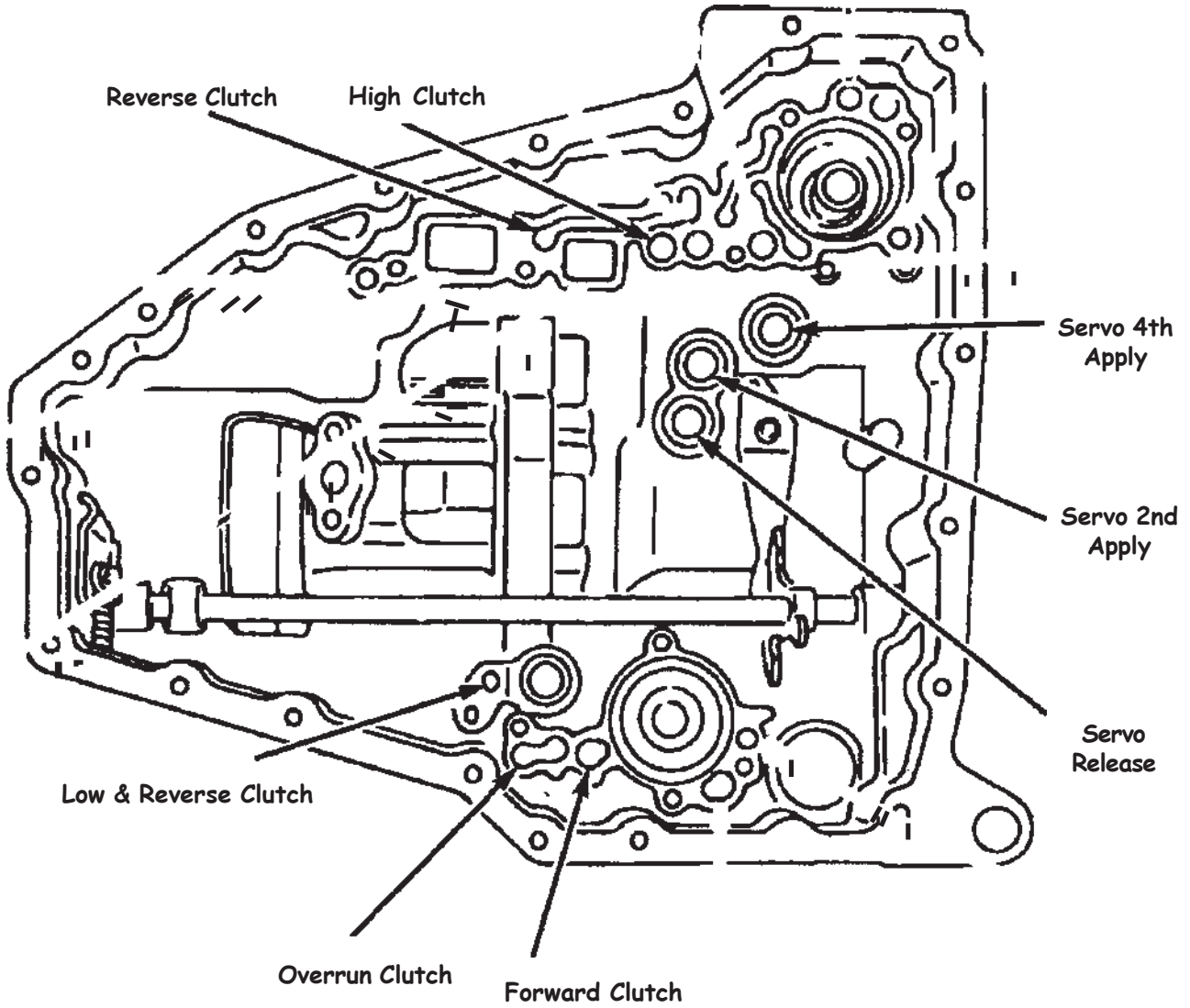
RE4F02A/RL4F02A



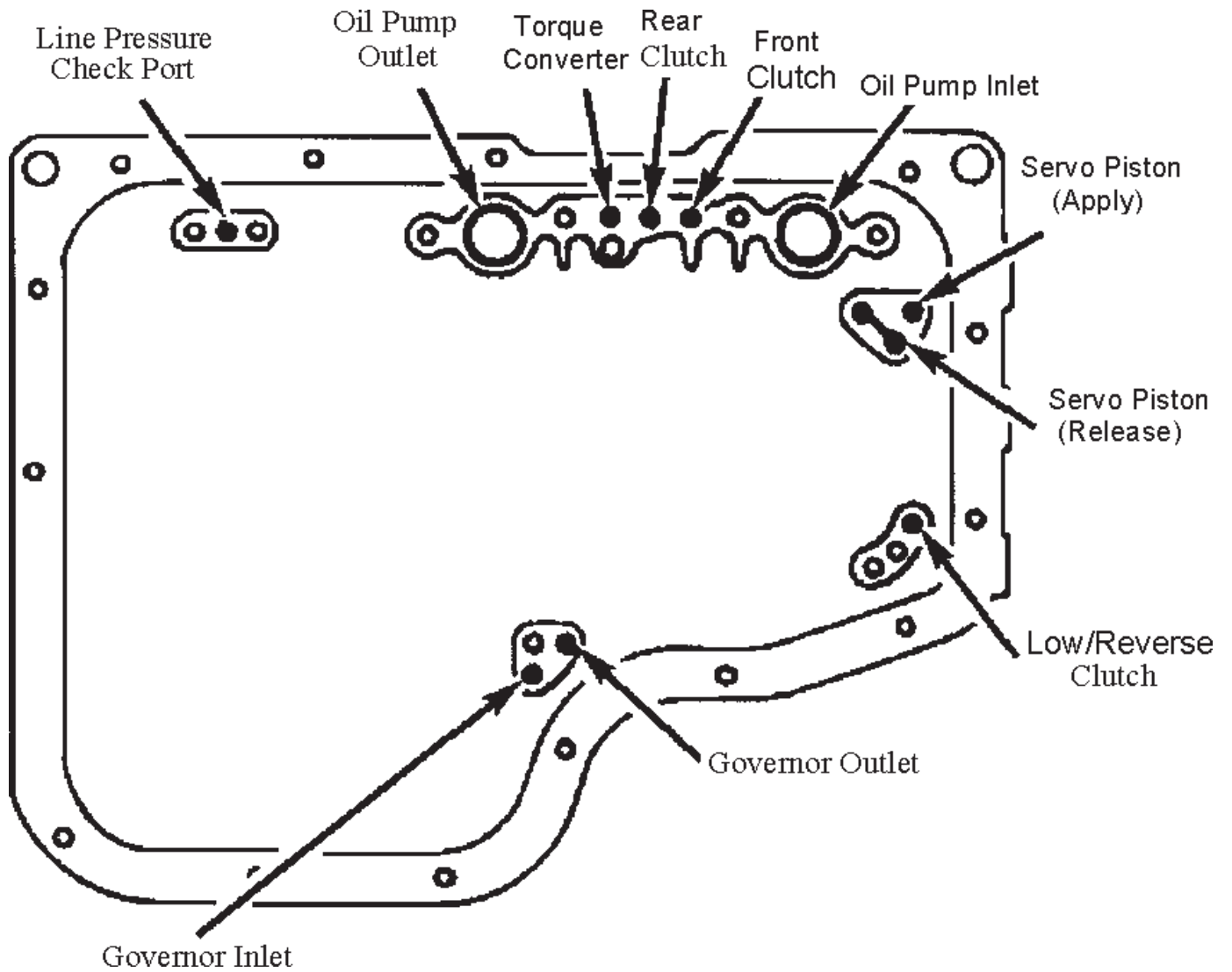
RE4F03A/RL4F03A

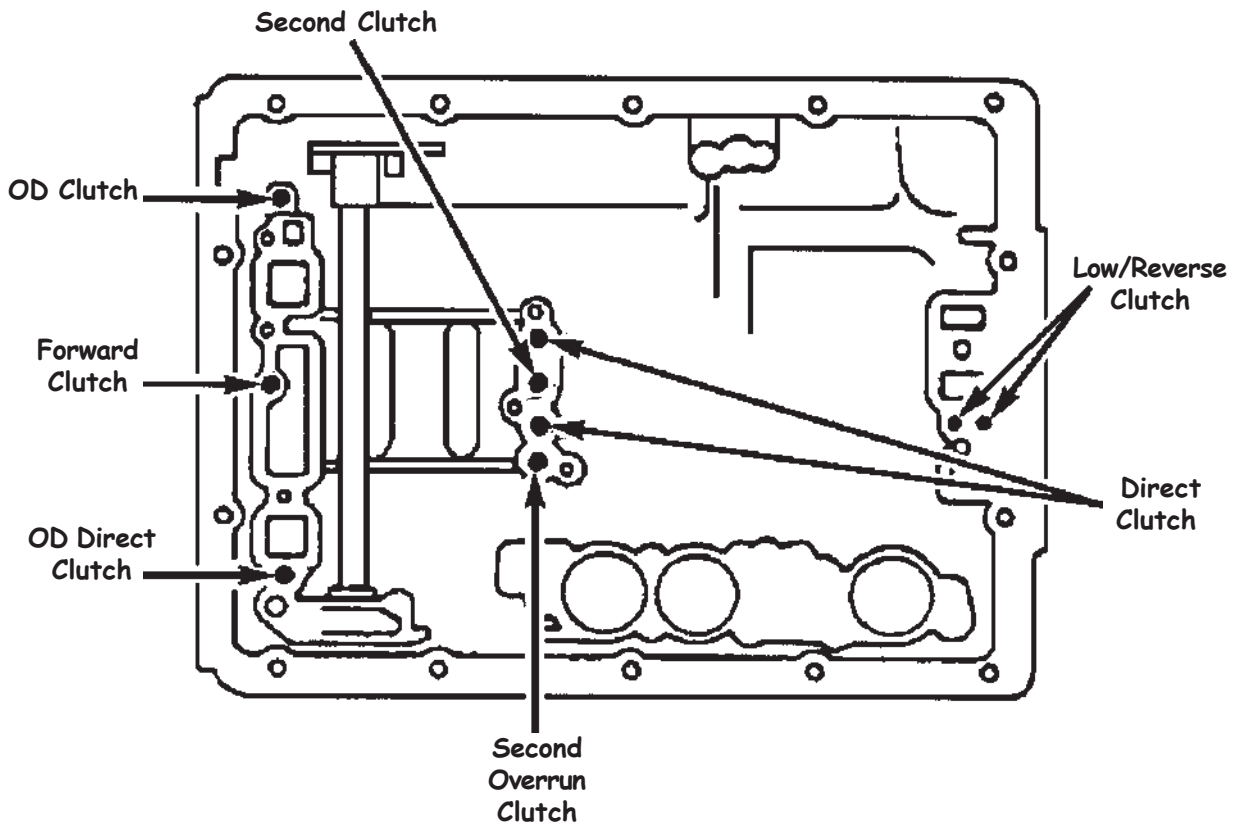


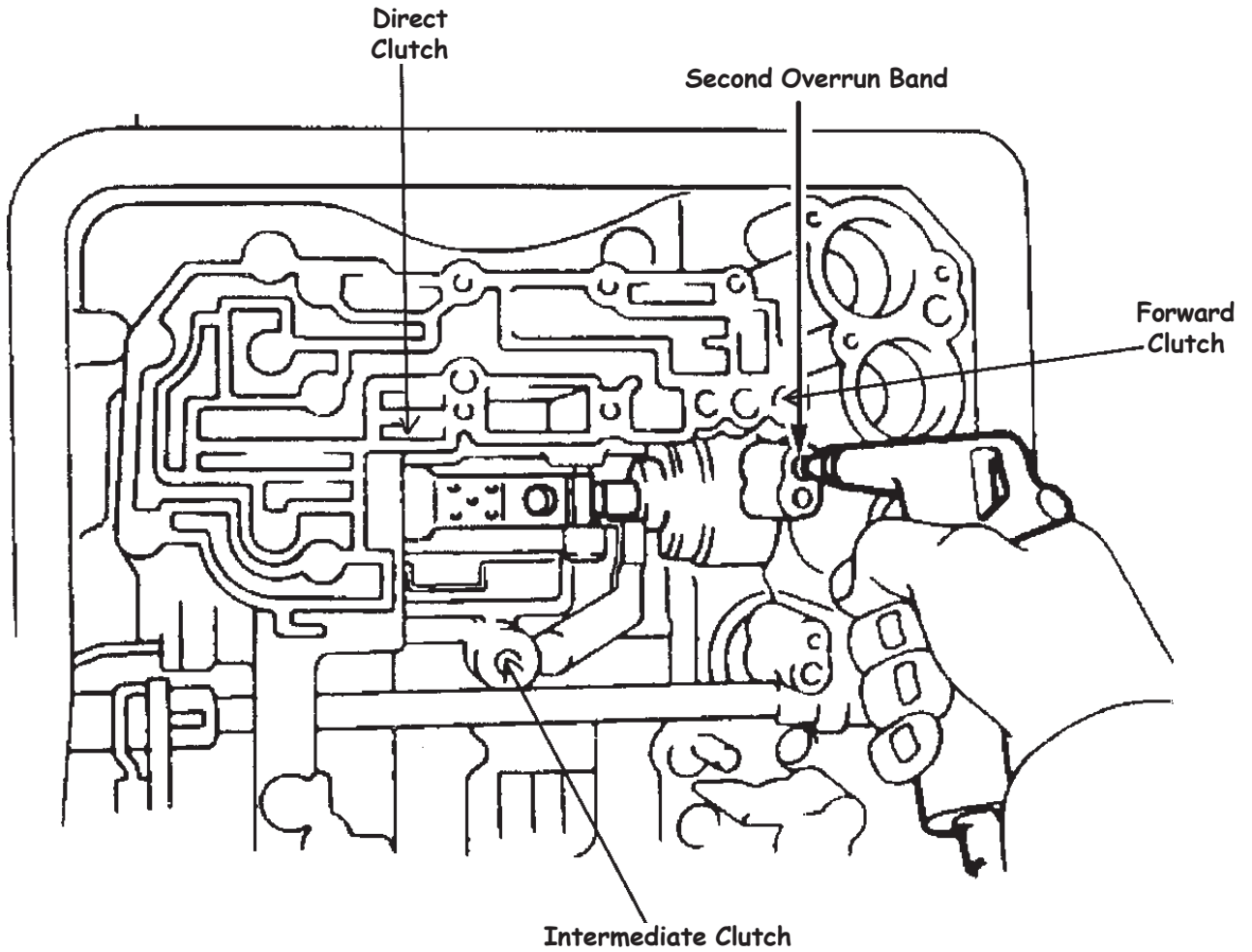
4F20-E/RE4F04A

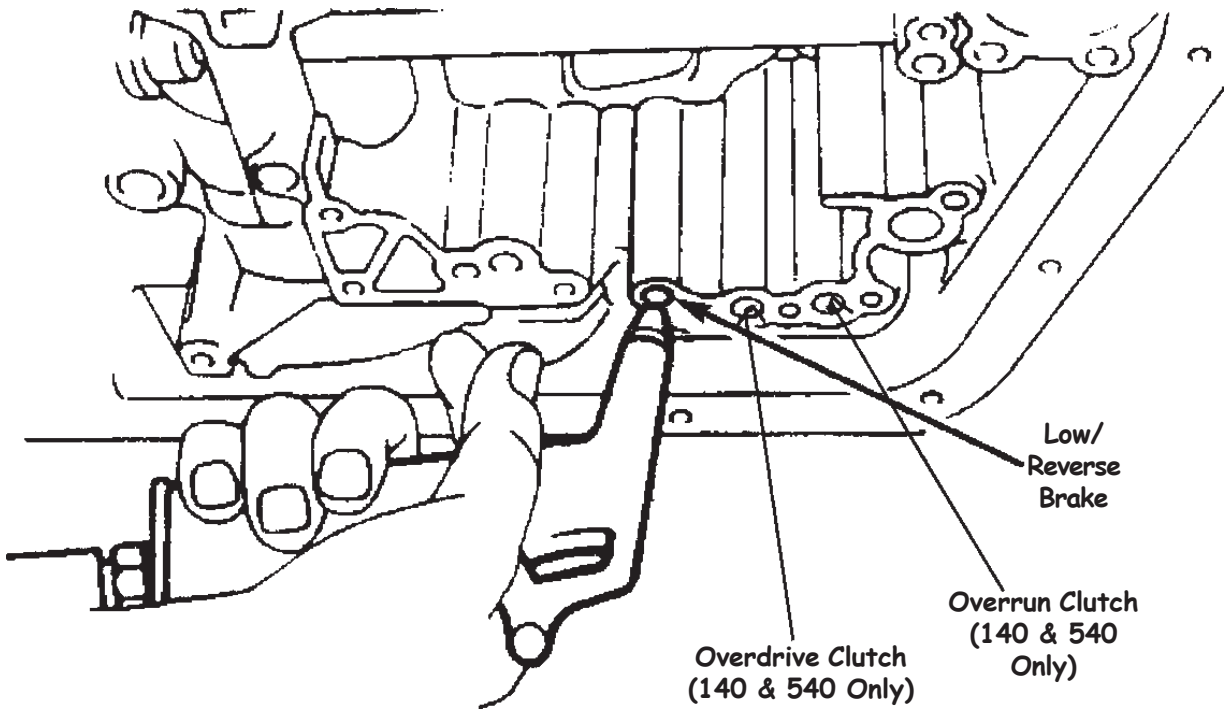


F3A

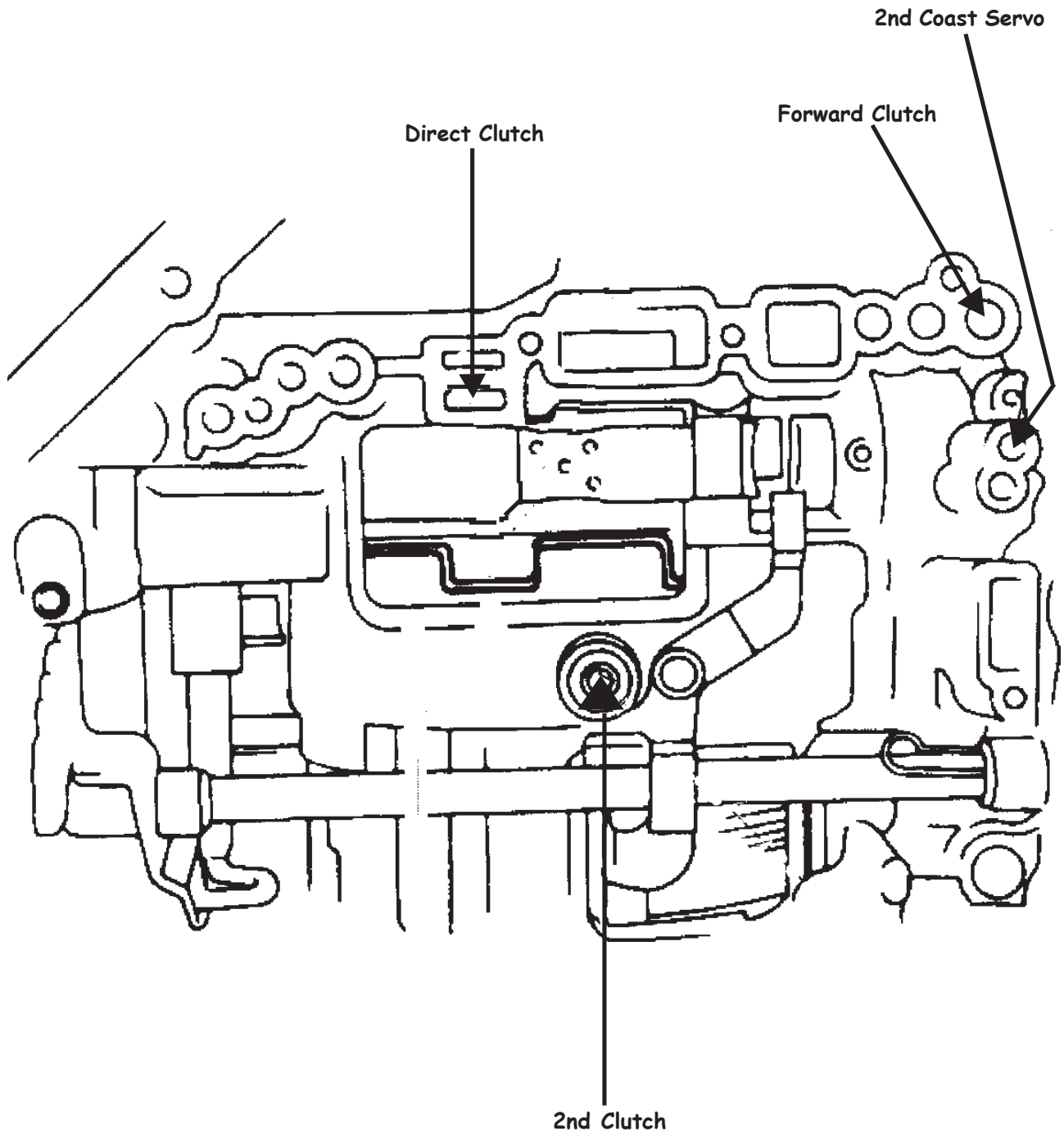


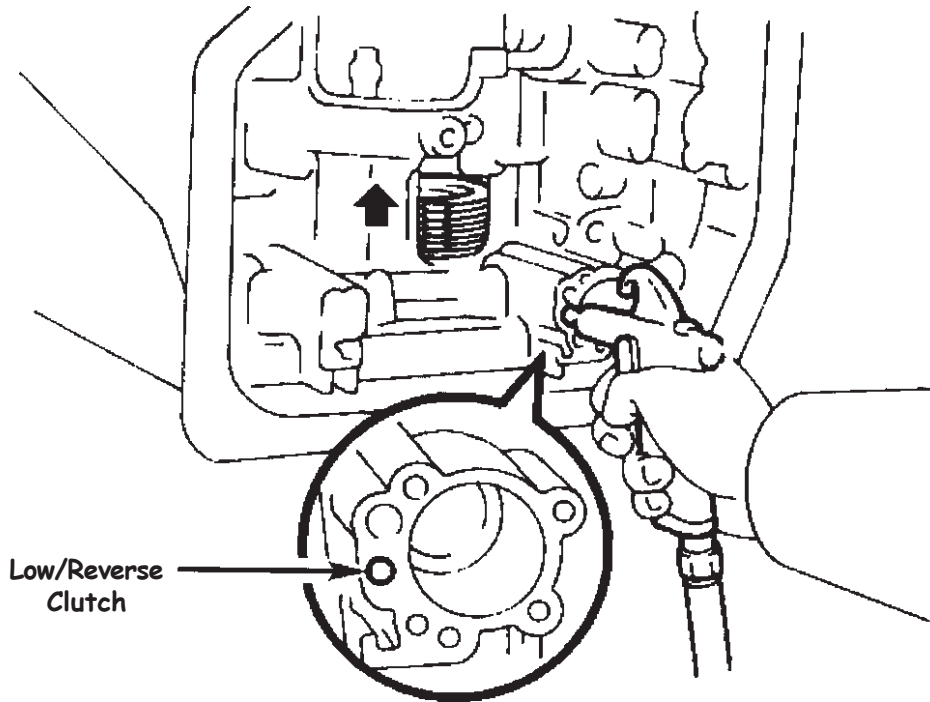
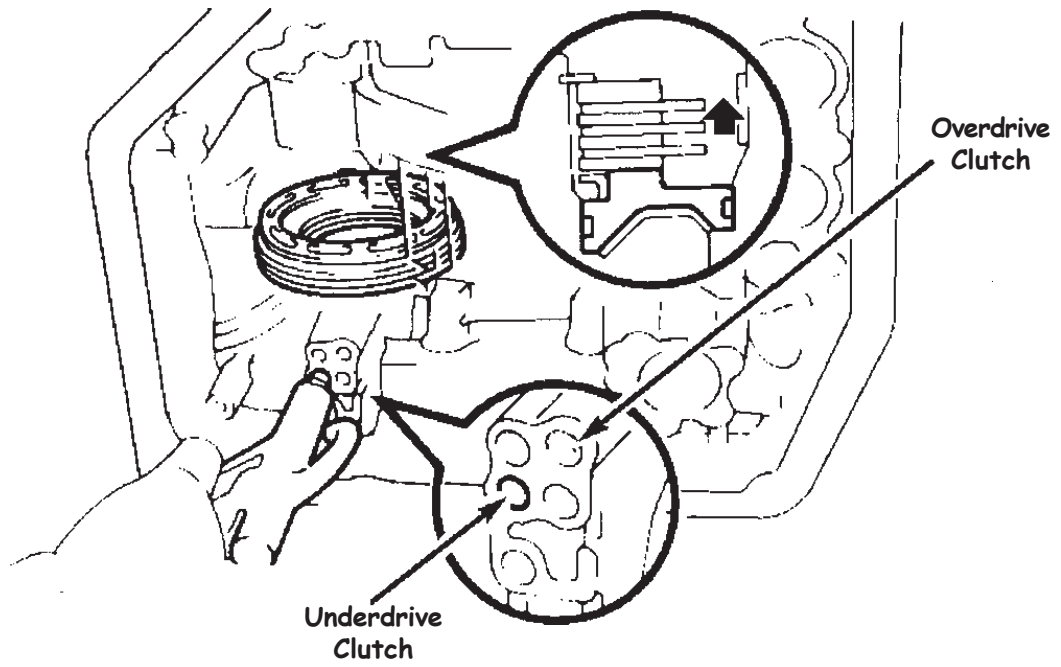




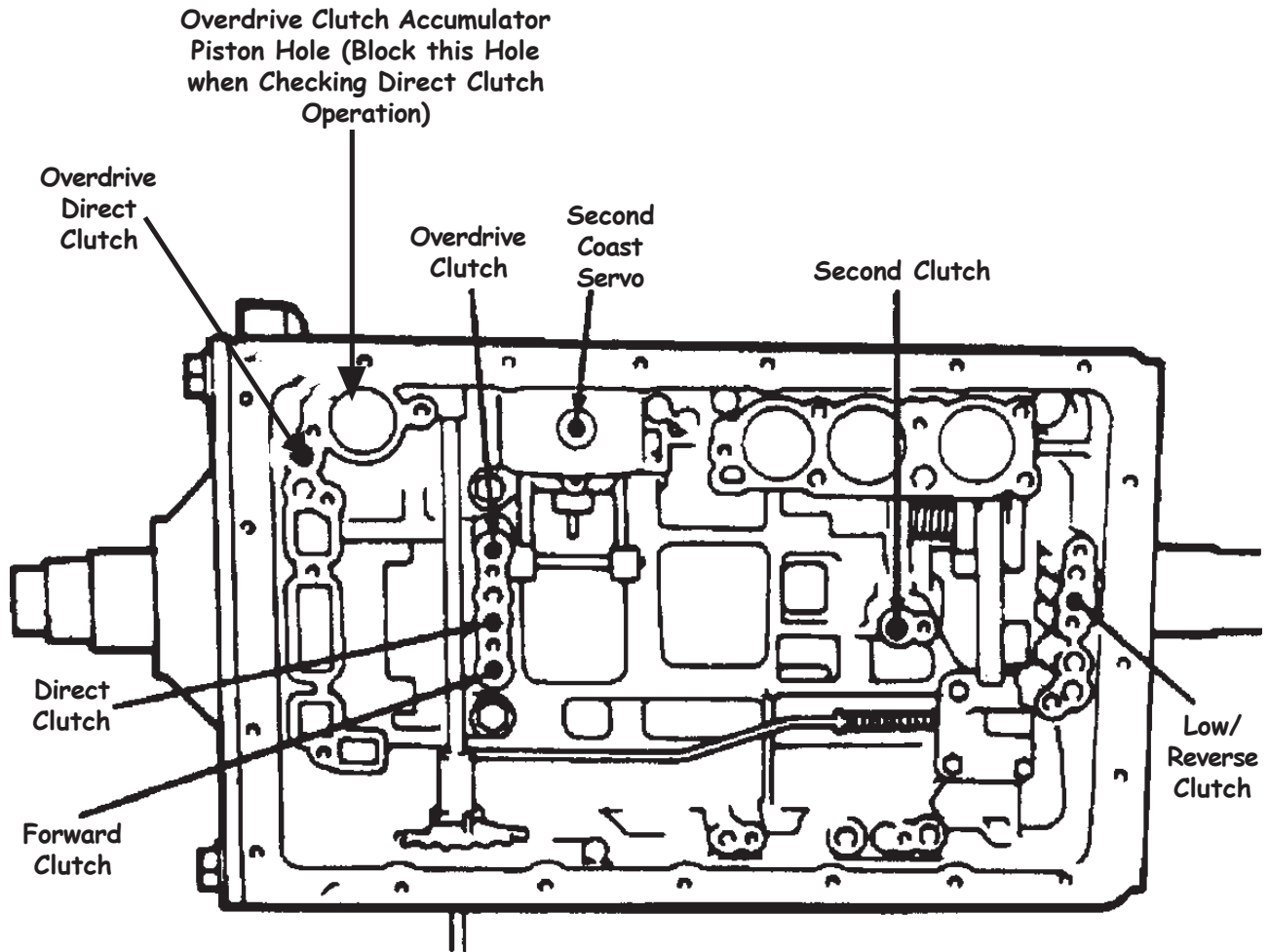


A240

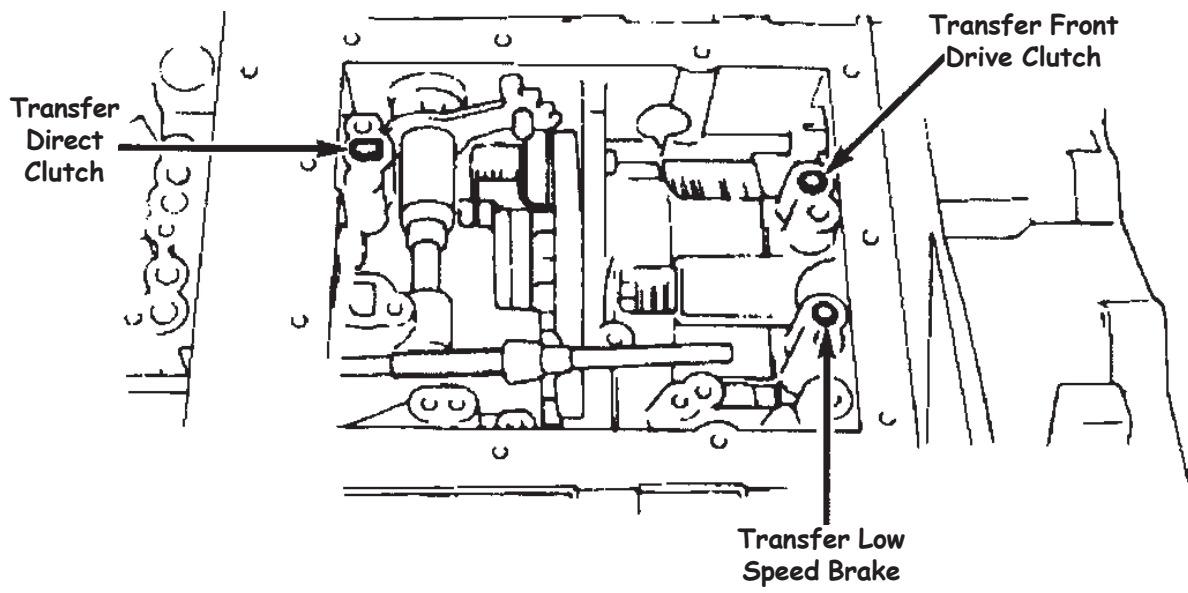




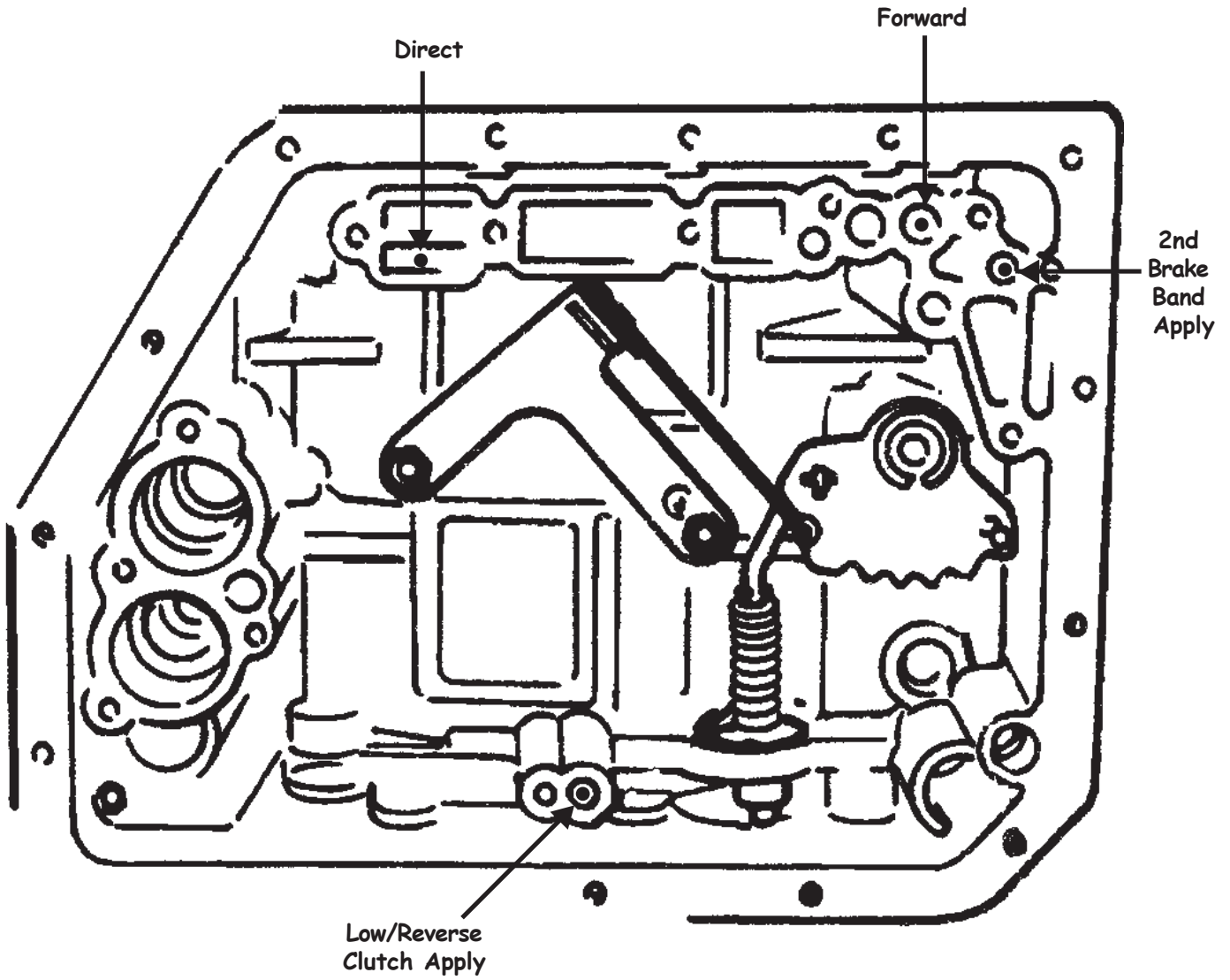
AW4/A340E/A340F/A340H/A341E/A343F

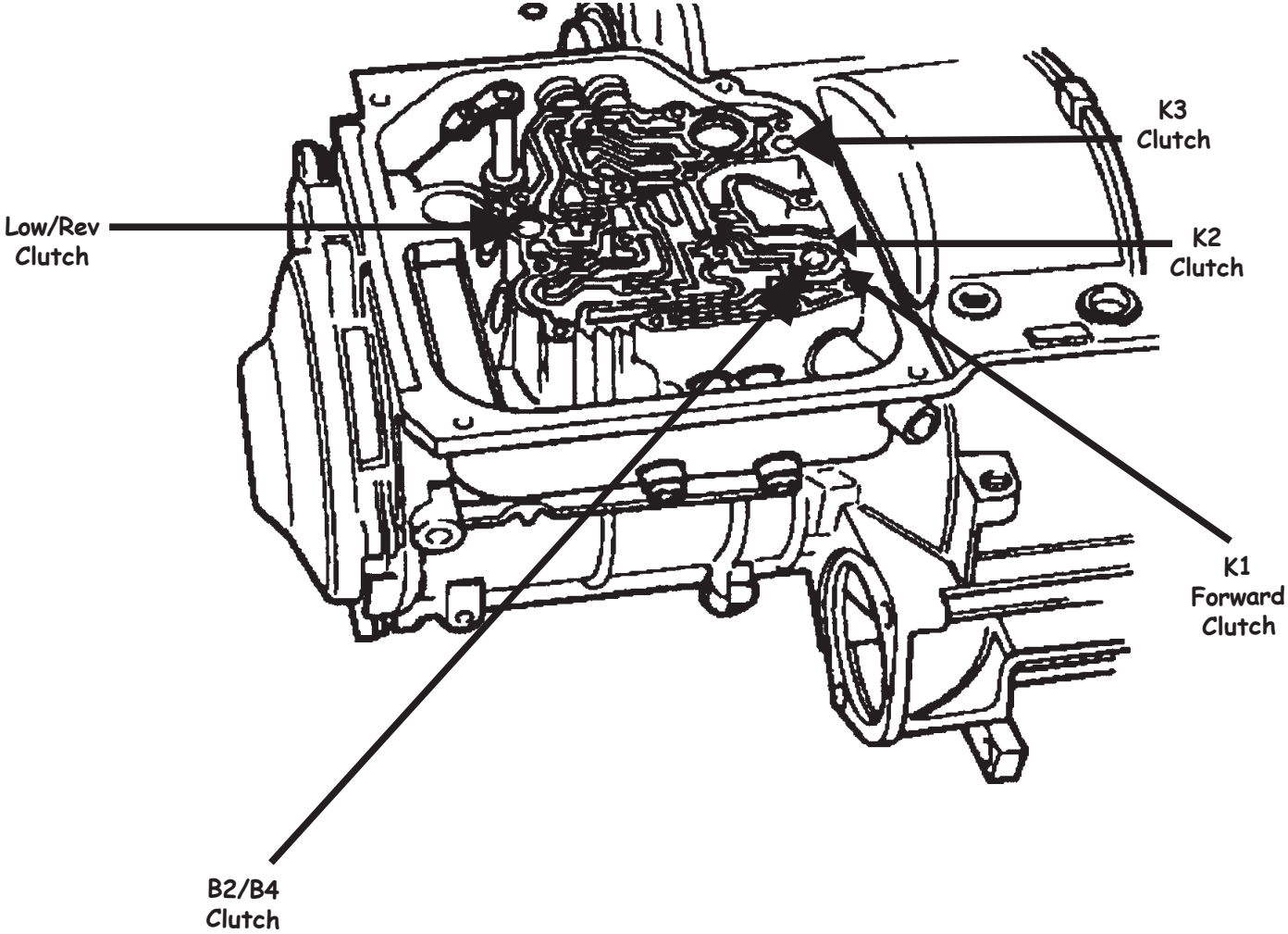


A340H

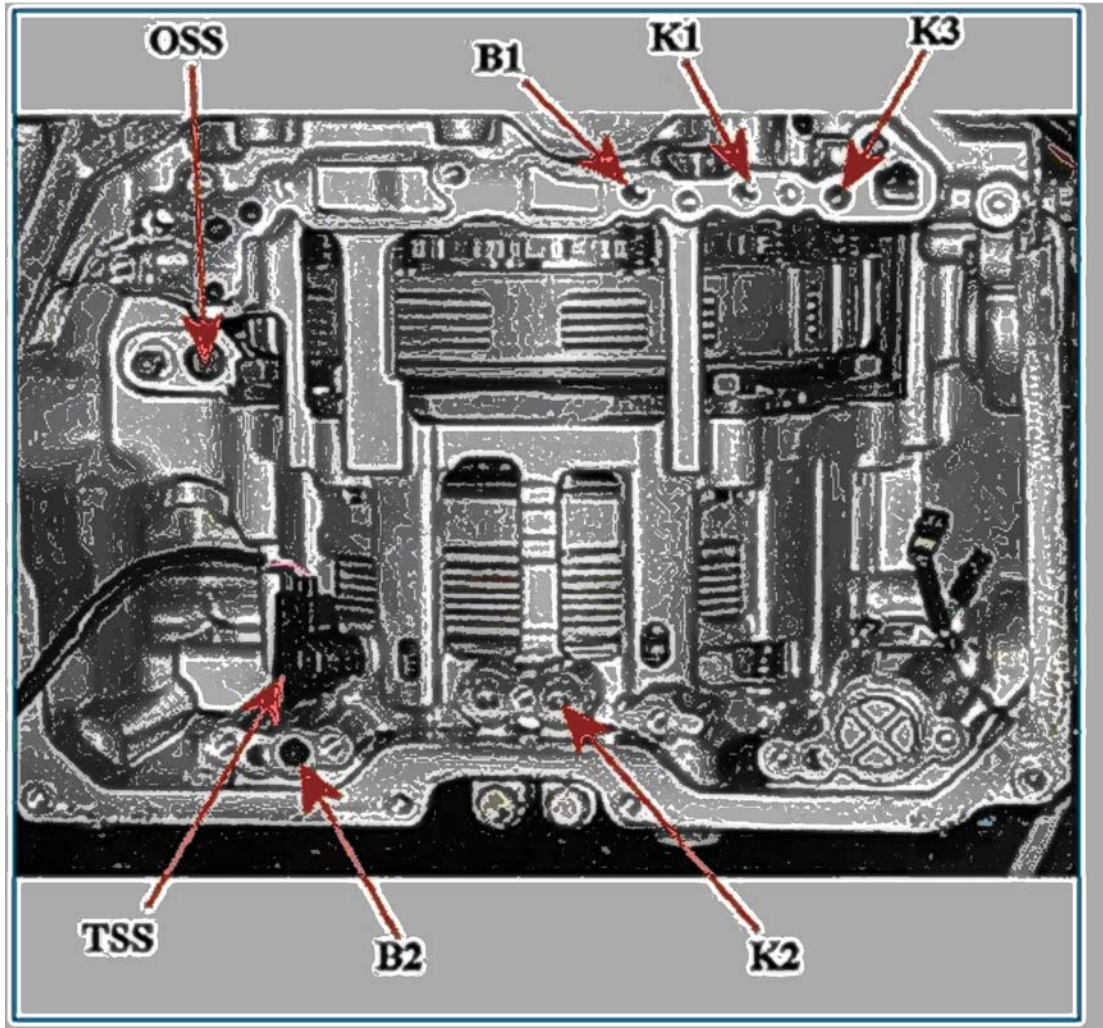


130EAW

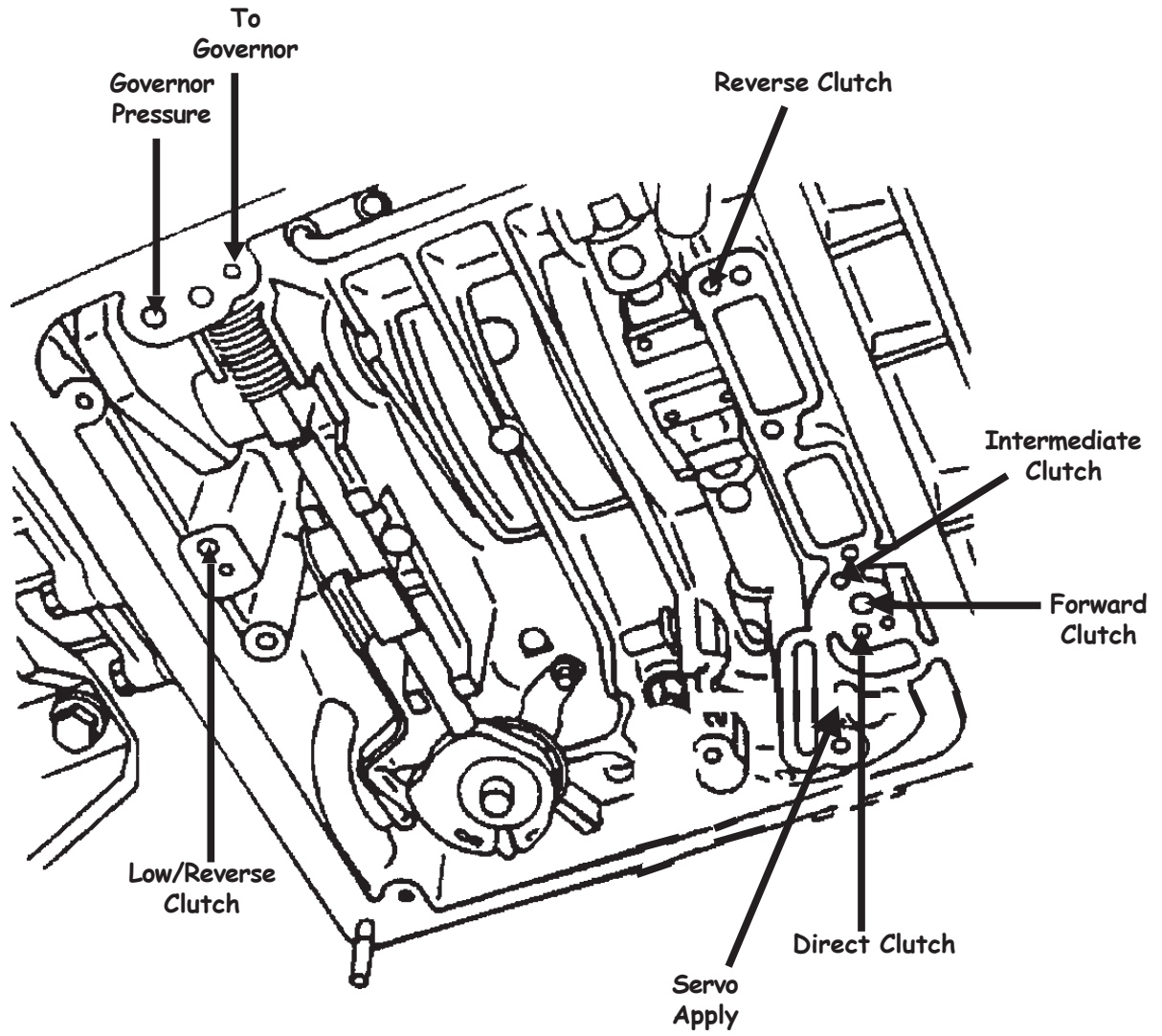




VW 09G 6 Speed



ZF4HP18/ZF4HP14





**AAMCO Kwik Air Test Guide
Produced By AAMCO Transmissions, Inc.
Technical Service Department**

**For exclusive use of licensed AAMCO dealers ONLY.
Any Unauthorized use or reproduction, by any means,
of the illustrations or text in this book is a copyright
violation and a criminal offense punishable by fine
imprisonment or both**

**©2005 AAMCO Transmissions, Inc.
All Rights Reserved. Printed in U.S.A. 80A-5262**



©March 2005, AAMCO Transmissions, Inc.
All Rights Reserved. Printed in U.S.A
Updated 10/2008

Part Number 80A-5262