

GENERAL MOTORS

125C (1992-Up)

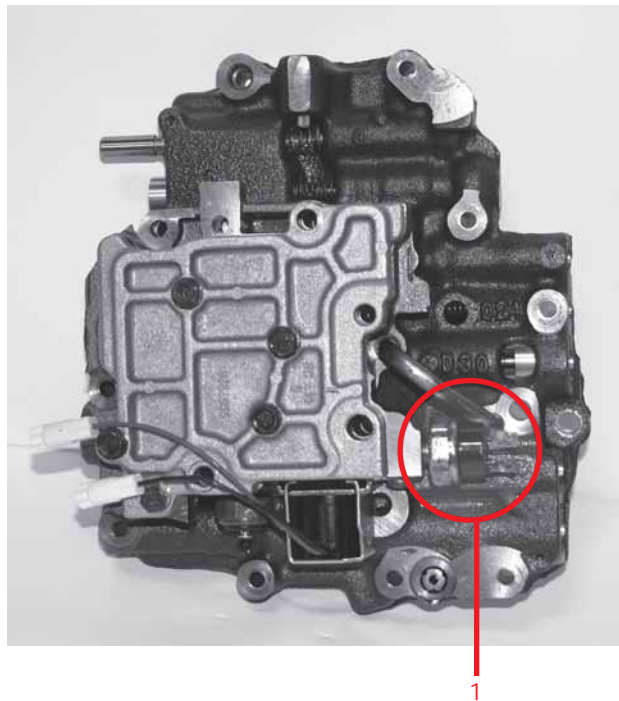
APPLICATION INFORMATION

TRANS 125C	YEAR 1992-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P51990D	125C	92-Up	w/ 3 prong 2nd switch (1)	valve body w/ pump, w/ new solenoid
P51990E	125C	92-Up	w/o 3 prong 2nd switch	valve body w/ pump, w/ new solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body and pump are a complete assembly and contains a new solenoid.



GENERAL MOTORS

TAAT (1991-1992)

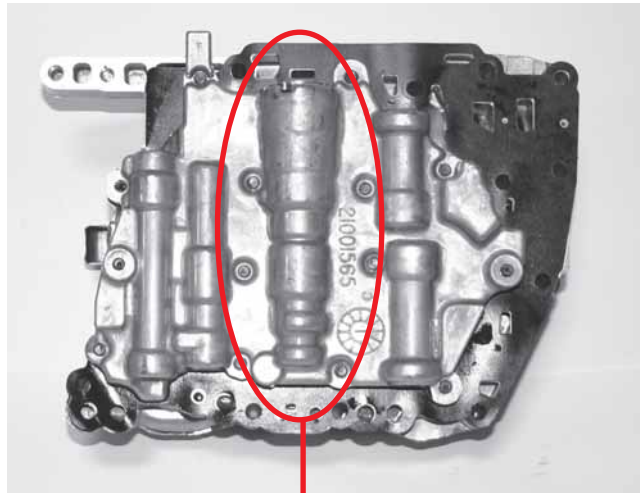
APPLICATION INFORMATION

TRANS	YEAR
TAAT	1991-1992

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P81990	TAAT	91-92	1st design solenoid type	w/upgrade PR system / w/ tested solenoids

VALVE BODY IMAGE



1

ADDITIONAL INFORMATION

1. The photos above show the early Saturn (TAAT) which was used only in model years 1991 & Early 1992! Instead of 4 holes, you will see a large valve (1).
2. Contains the complete **VB-Xtra** patented updated pressure regulator area, 2 spring changes and all solenoids are tested. Solenoid connector plate is included. Customer must use original manual valve & detent lever .

GENERAL MOTORS

TAAT (1993-Up)

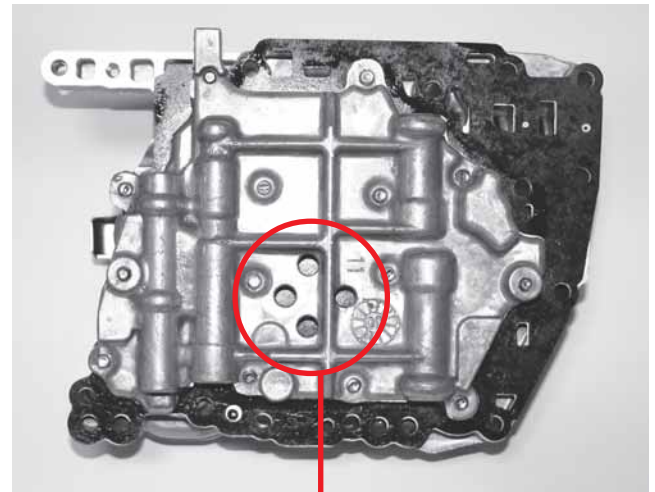
APPLICATION INFORMATION

TRANS	YEAR
TAAT	1993-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P81990B	TAAT	93-Up	3rd design solenoid type	w/upgrade PR system / w/ tested solenoids

VALVE BODY IMAGE



1

ADDITIONAL INFORMATION

1. The photos above show the most commonly used Saturn (TAAT) which is found in model years from late 1992 and up. It will have 4 holes on the bottom of the valve body (1).
2. Contains the complete VB-Xtra patented updated pressure regulator area, 2 spring changes and all solenoids are tested. Solenoid connector plate is included. Customer must use original manual valve & detent lever .



GENERAL MOTORS

2004R (1981-1990)

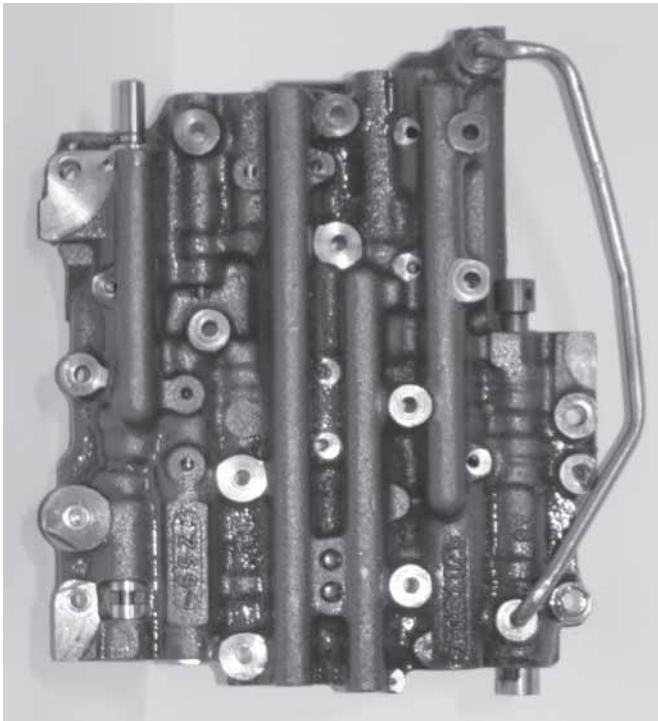
APPLICATION INFORMATION

TRANS 2004R	YEAR 1981-1990
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P32990M	2004R	81-90	All models except Grand National	w/o pressure switches/solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Must use appropriate pressure switches and solenoids.

GENERAL MOTORS

400 (1987-Up)

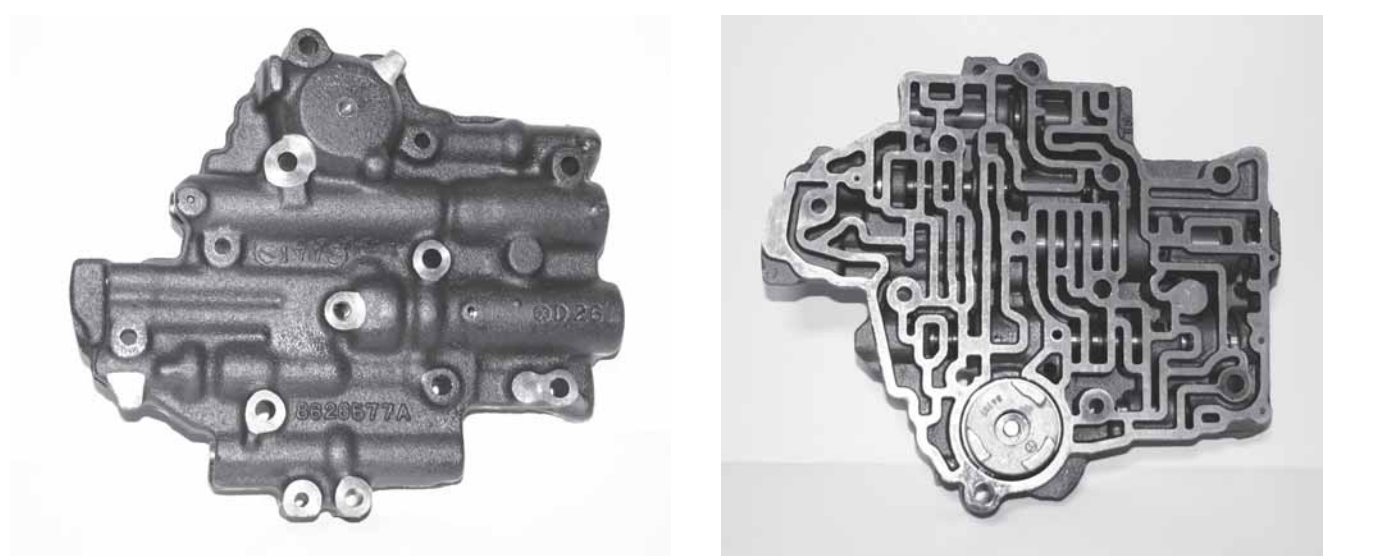
APPLICATION INFORMATION

TRANS	YEAR
400	1987-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P34990	400	87-Up	w/o reverse check ball	w/o pressure switches/solenoids
P34990B	400	87-Up	w/ reverse check ball	w/o pressure switches/solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. **P34990** is for vehicles over 10,000 GVW. **P34990B** is for vehicles under 10,000 GVW.
2. The 1987-Up case/separator plate & gasket must be used as a set.



GENERAL MOTORS

4L80E (1991-1992)

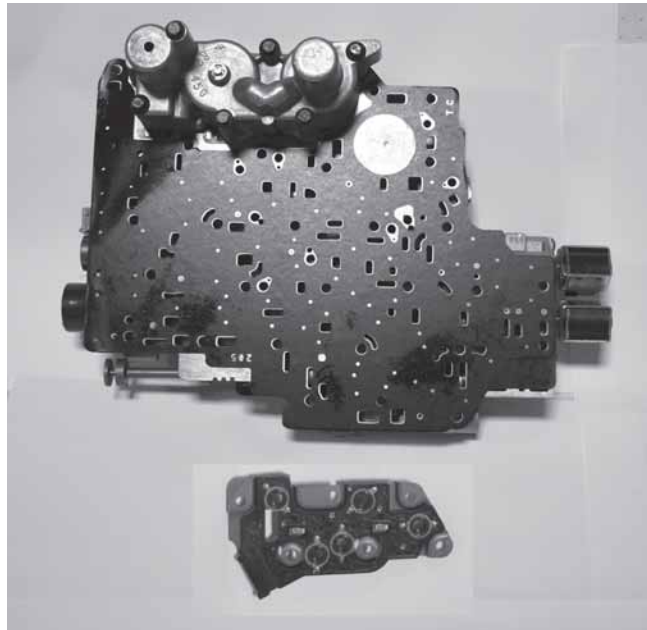
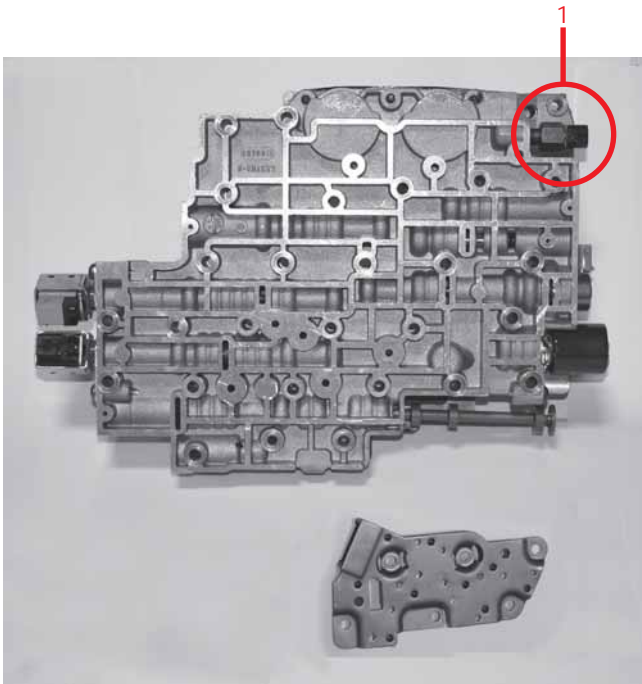
APPLICATION INFORMATION

TRANS	YEAR
4L80E	1991-1992

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P34990E	4L80E	91-92	w/ TOT switch (1)	w/ upgraded TCC regulator/actuator limit valves w/ new EPC & PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body contains a new AFL valve, new EPC & PSM and the shift solenoids are tested.

GENERAL MOTORS

4L80E (1992-1996)

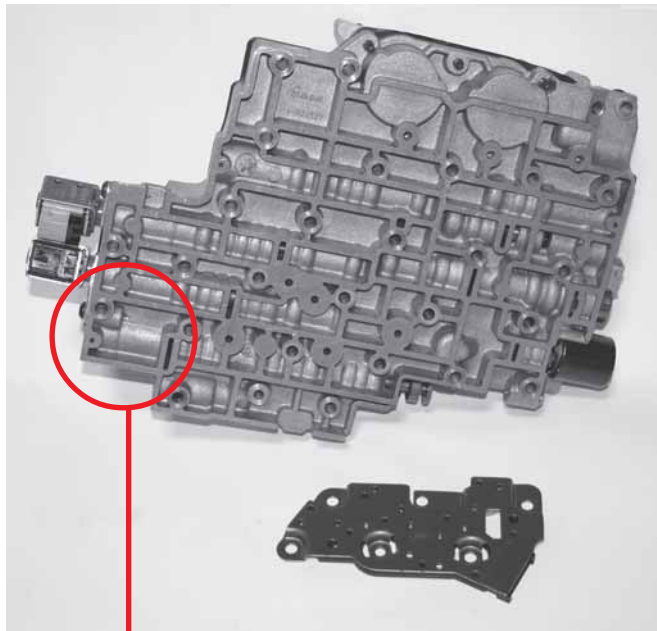
APPLICATION INFORMATION

TRANS 4L80E	YEAR 1992-1996
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P34990G	4L80E	92-96	w/o TOT switch front position cooler return (1)	w/ upgraded TCC regulator/actuator limit valves w/ new EPC & PSM

VALVE BODY IMAGE



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ADDITIONAL INFORMATION

1. The valve body contains a new AFL valve, new EPC & PSM and the shift solenoids are tested.



GENERAL MOTORS

4L80E (1997-2003)

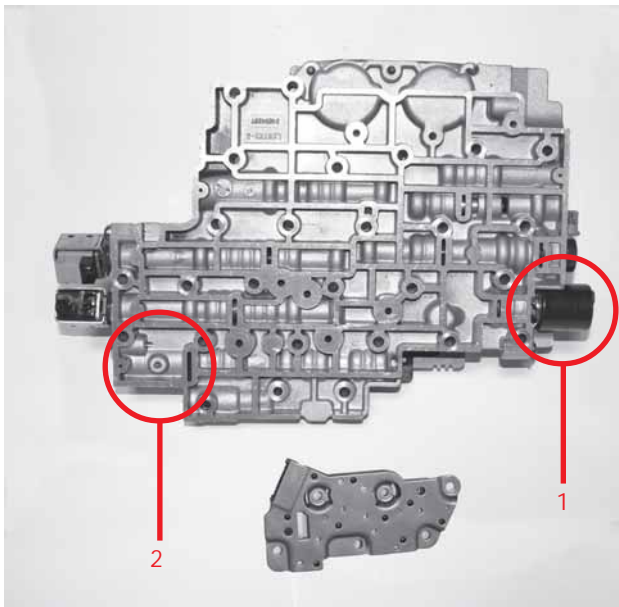
APPLICATION INFORMATION

TRANS	YEAR
4L80E	1997-2003

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P34990J	4L80E	97-03	w/ holley EPC type solenoid (1) rear position cooler return (2)	w/ upgraded TCC regulator/actuator limit valves w/ new EPC & PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body contains a new AFL valve, new EPC & PSM and the shift solenoids are tested.

GENERAL MOTORS

4T40E (1995-2002)

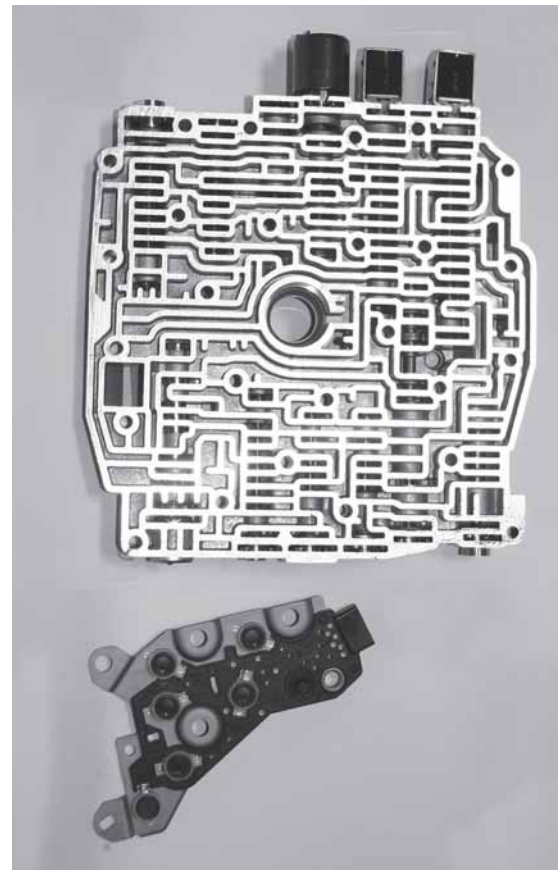
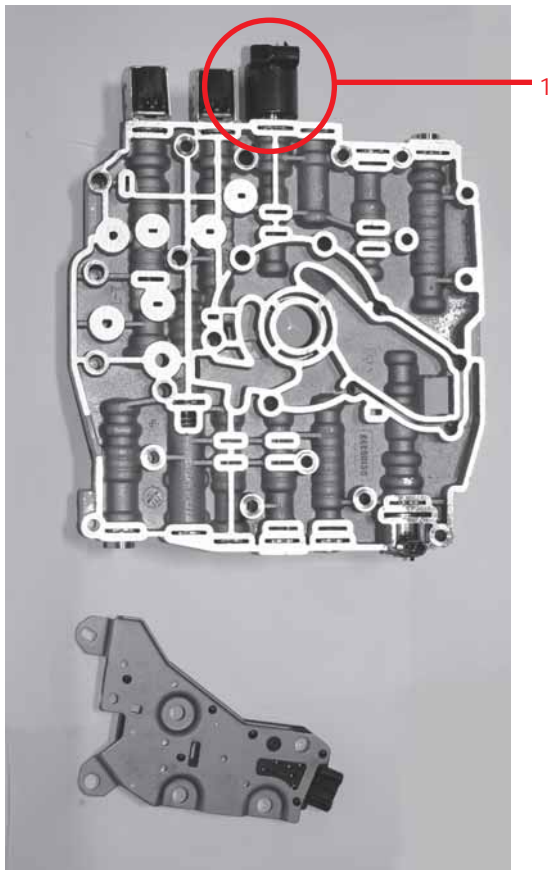
APPLICATION INFORMATION

TRANS	YEAR
4T40E	1995-2002

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P86991	4T40E	95 - 02	w/ holley type EPC solenoid (1)	upgraded TCC Reg Valve w/new EPC / PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Contains a new TCC regulator valve, New EPC & PSM, along with 1 **VB-Xtra** update, and all other solenoids are tested.



GENERAL MOTORS

4T60E (1991-1993)

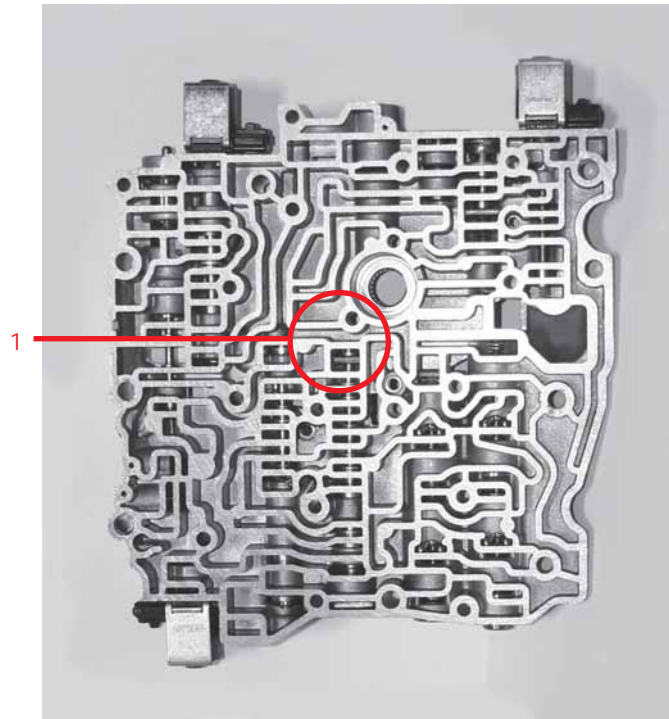
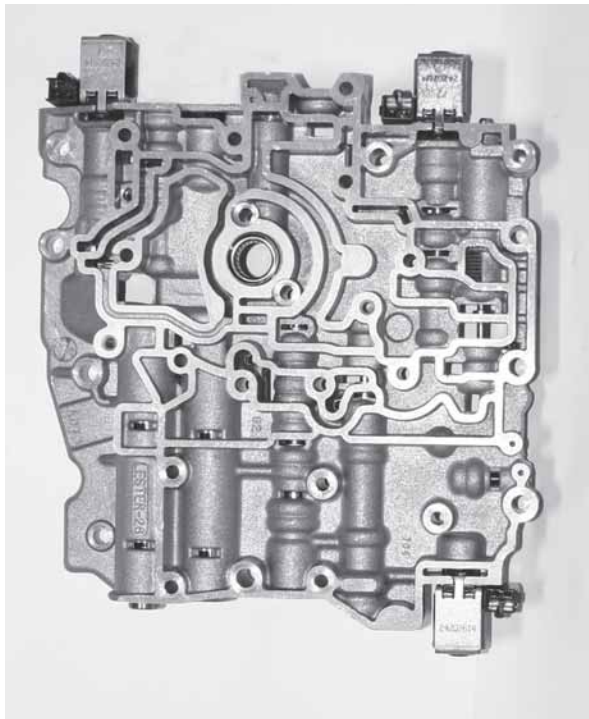
APPLICATION INFORMATION

TRANS	YEAR
4T60E	1991-1993

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991E	4T60E	91-93	w/ on-off TCC (3 solenoid design)(1)	w/ upgraded TCC valves/servo apply/ 1-2 shift valves, all solenoids tested

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The replacement valve body may contain 3 or 4 solenoids. Disregard PWM solenoid if provided.
2. The 4T60E Valve Bodies do not come with the pump or separator plate.
3. Contains 1-2 shift, TCC apply, TCC regulator & servo apply valves and all solenoids are tested.

GENERAL MOTORS

4T60E (1993-Up)

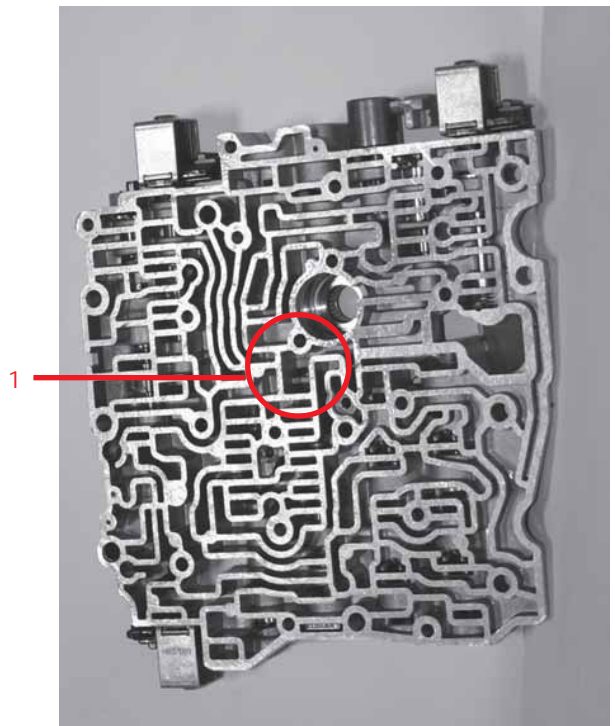
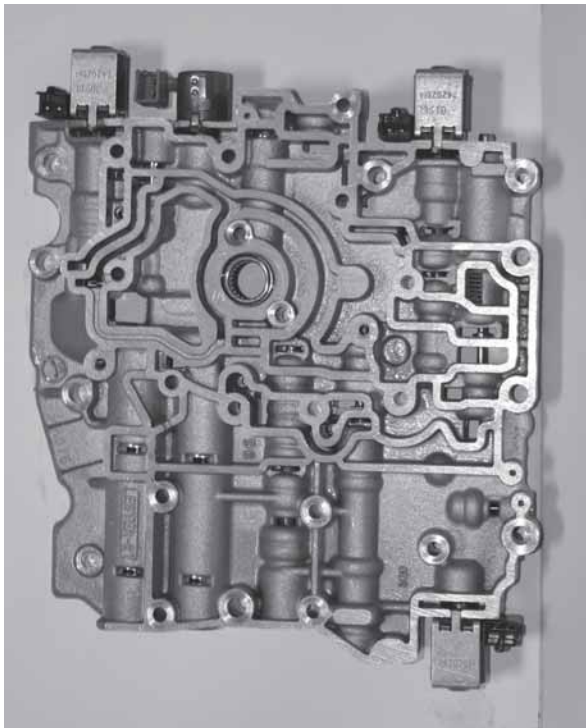
APPLICATION INFORMATION

TRANS 4T60E	YEAR 1993-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991F	4T60E	93-Up	w/ PWM TCC (4 solenoid design) (1)	w/ upgraded TCC valves/servo apply/ 1-2 shift valves, all solenoids tested

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4T60E Valve Bodies do not come with the pump or separator plate.
2. Contains 1-2 shift, TCC apply, TCC regulator & servo apply valves, and all solenoids are tested.



GENERAL MOTORS

4T65E (1997-2002)

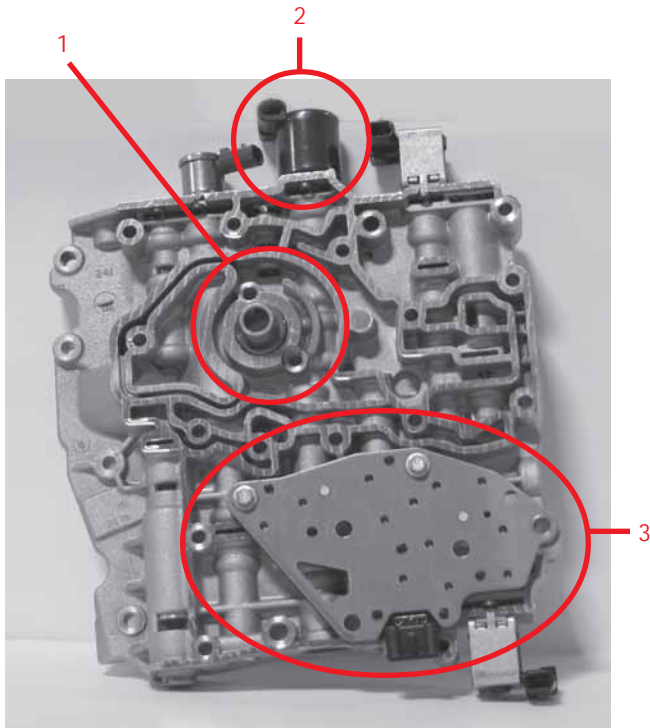
APPLICATION INFORMATION

TRANS	YEAR
4T65E	1997-2002

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991H	4T65E	97-02	w/ 2 piece pump design (1) w / holley EPC solenoid (2) w / Large PSM (3)	w/ upgraded TCC / Reg Valves w/ new EPC & PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4T65E Valve Body for model years 1997-2002 has a Holley type EPC and a large PSM (3).
2. A 2 piece pump design (1) uses a steel press-in sleeve.
3. Where applicable there is a new servo apply, TCC & boost valves, A new EPC & PSM and all other solenoids tested.

GENERAL MOTORS

4T65E (2002)

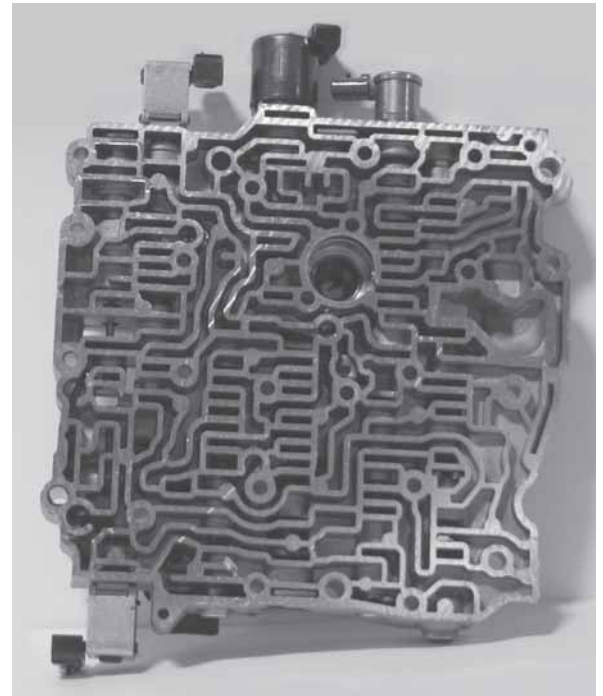
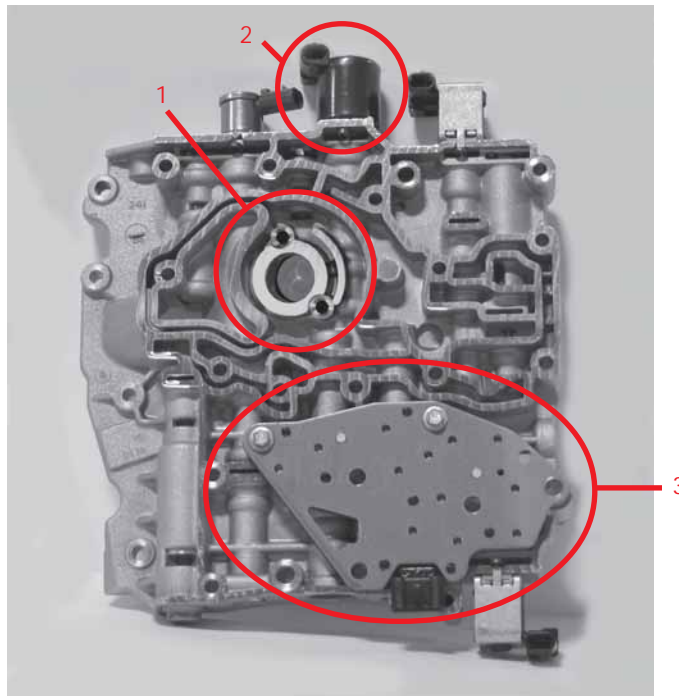
APPLICATION INFORMATION

TRANS	YEAR
4T65E	2002

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991K	4T65E	02	w/ 3 piece pump design (1) w / holley EPC solenoid (2) w/ large PSM(3)	w/ upgraded TCC / Reg Valves w/ new EPC solenoid / PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4T65E Valve Body for model year 2002 has a Holley Type EPC (2) and a large PSM (3) .
2. A 3 piece pump design (1) does NOT use a steel press-in sleeve.
3. Where applicable there is a new servo apply, TCC & boost valves, A new EPC & PSM and all other solenoids tested.



GENERAL MOTORS

4T65E (1999-2002) VOLVO

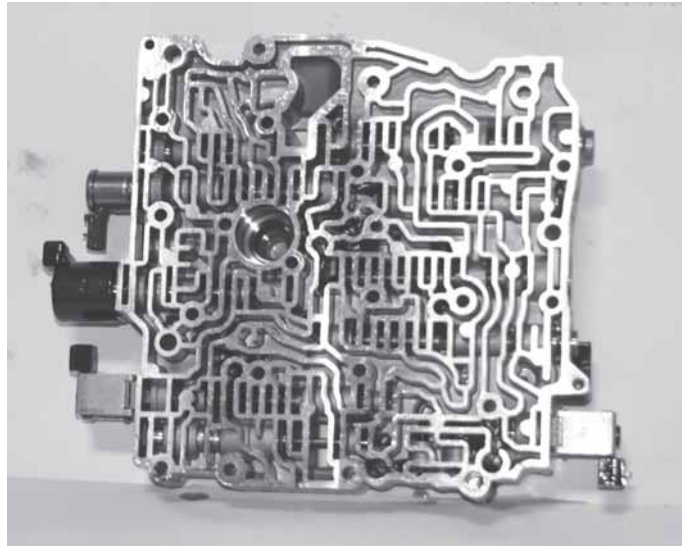
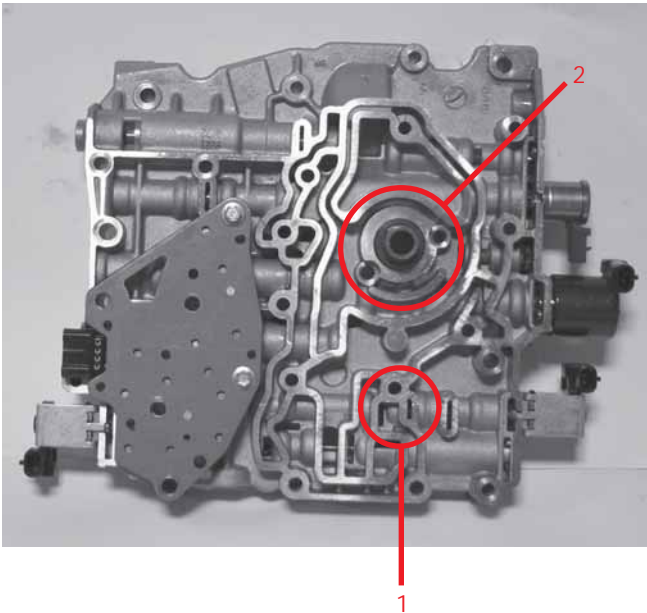
APPLICATION INFORMATION

TRANS 4T65E	YEAR 1999-2002
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991V	4T65E	99-02	VOLVO ONLY (1)	w/ upgraded TCC / Reg Valves w/ new EPC solenoid / PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4T65E valve body for Volvo has a Holley type EPC and a large PSM.
2. The 2 piece pump design does use a steel press-in sleeve (2).
3. Where applicable there is a new servo apply, TCC & boost valves, A new EPC & PSM and all other solenoids tested.
4. Another visual identifier is the extra passage (1).

GENERAL MOTORS

4T65E (2003-Up)

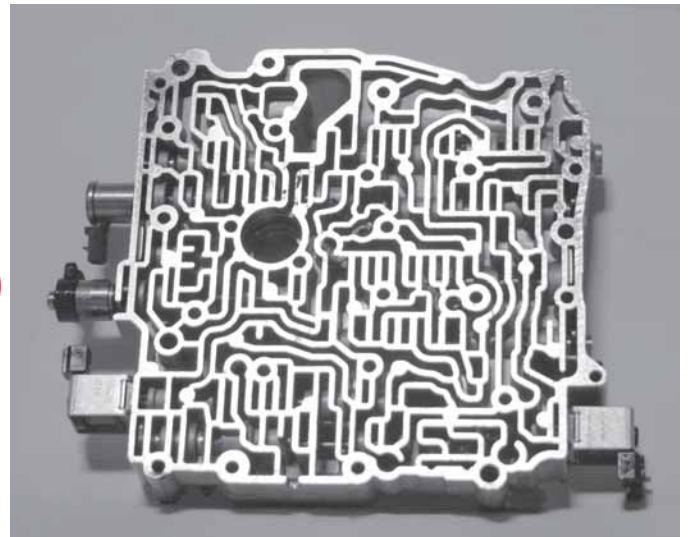
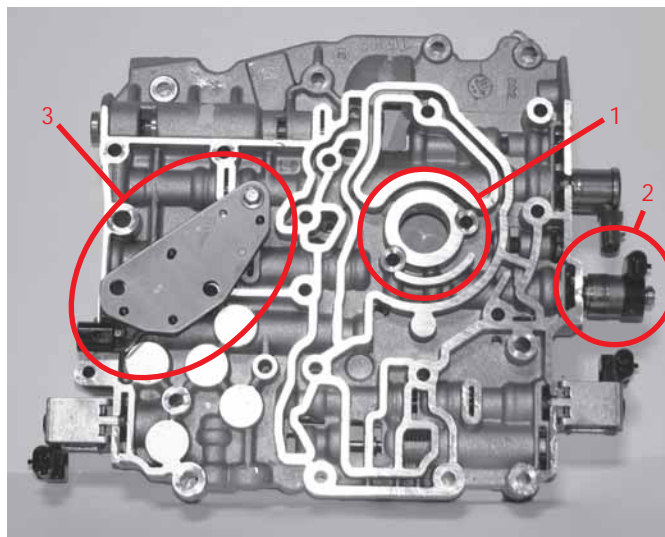
APPLICATION INFORMATION

TRANS	YEAR
4T65E	2003-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P66991J	4T65E	03	w/ 2 piece pump (1) / Bosch solenoid (2) w/ small PSM (3)	w/ upgraded TCC / Reg valves w/ new EPC solenoid / PSM
P66991L	4T65E	03-Up	w/ 3 piece pump (1) / Bosch solenoid (2) w/ small PSM (3)	w/ upgraded TCC / Reg valves w/ new EPC solenoid / PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4T65E Valve Body for model years 03-Up has a Bosch type EPC solenoid (2) and a small PSM (3) .
2. The P66991J has a 2 piece pump design (1) and uses a steel press-in sleeve.
2. The P66991L has a 3 piece pump design (1) and does NOT use a steel press-in sleeve.
3. Where applicable there is a new servo apply, TCC & boost valves, A new EPC & PSM and all other solenoids tested.



GENERAL MOTORS

700R4 (1987-2003)

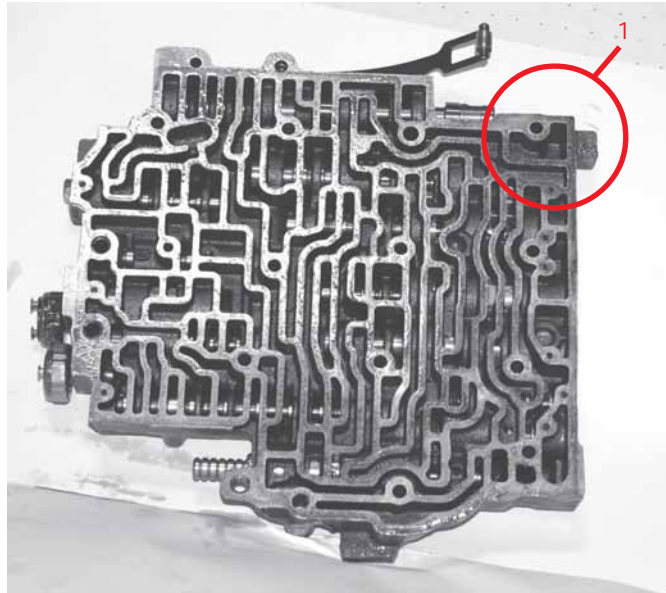
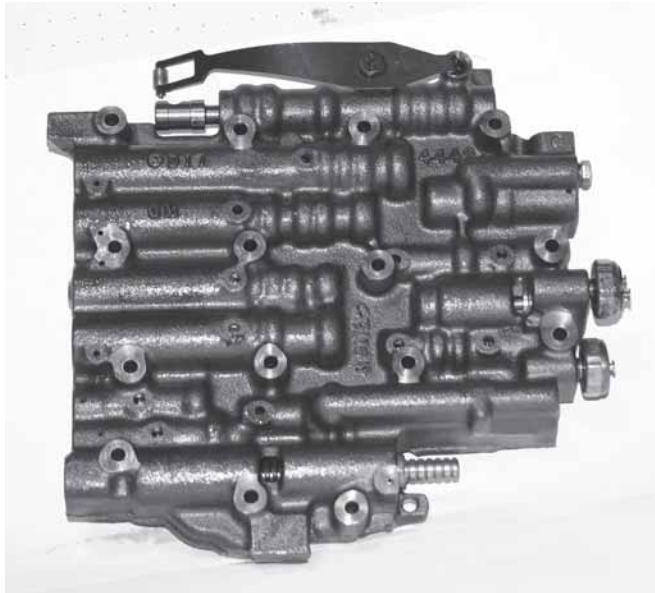
APPLICATION INFORMATION

TRANS	YEAR
700R4	1987-2003

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P61990A	700R4	87-92	w/ hydraulic TCC	w/o solenoids
P61990B	700R4	87-92	w/ electronic TCC	w/o solenoids
P61990C	700R4	1993	w/ electronic TCC (1)	w/o solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The hydraulic TCC has a regular valve train for lockup.
2. The electronic TCC has an aluminum plug or valve body is cast shut.
2. The 1993 models have an extra check ball (1).
3. Valve bodies do not come with solenoids.

GENERAL MOTORS

4L60E (1993-1994)

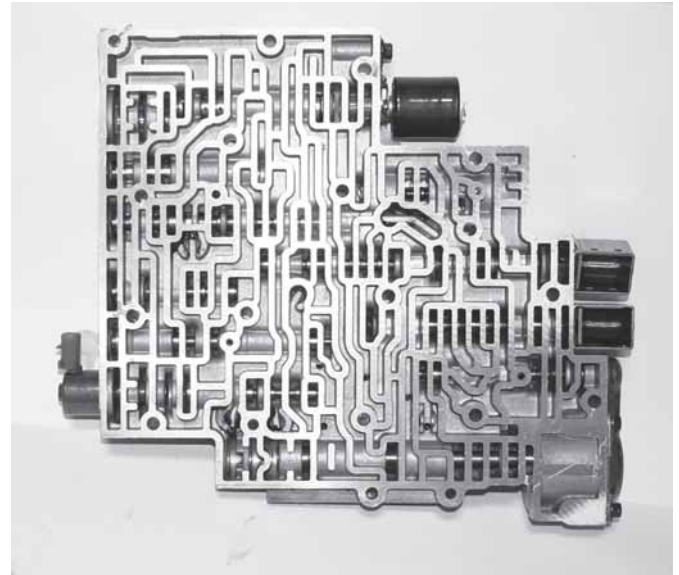
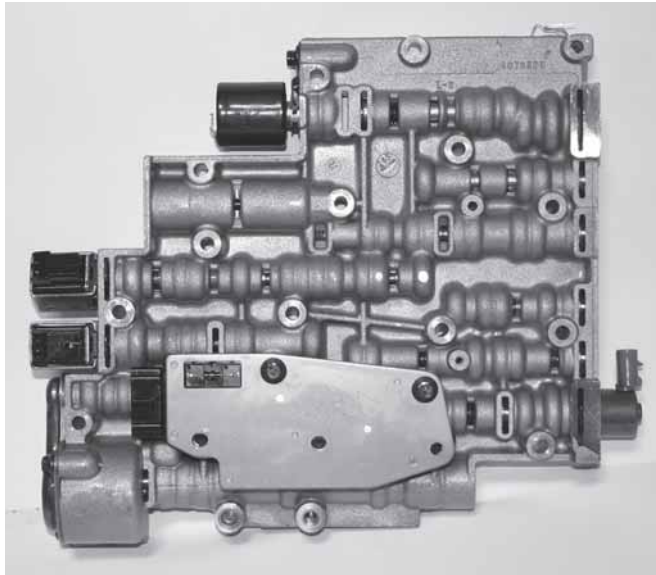
APPLICATION INFORMATION

TRANS	YEAR
4L60E	1993-1994

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P61990E	4L60E	93 - 94	w/o PWM TCC 5 solenoid transmission	w/ upgraded TCC / Reg Valves w/ new EPC solenoid /PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Non - PWM TCC type. Valve Body has 4 solenoids, plus 1 in the pump (5 total).
2. Contains AFL, TCC & accumulator valves, new EPC & PSM and all other solenoids are tested.



GENERAL MOTORS

4L60E (1995)

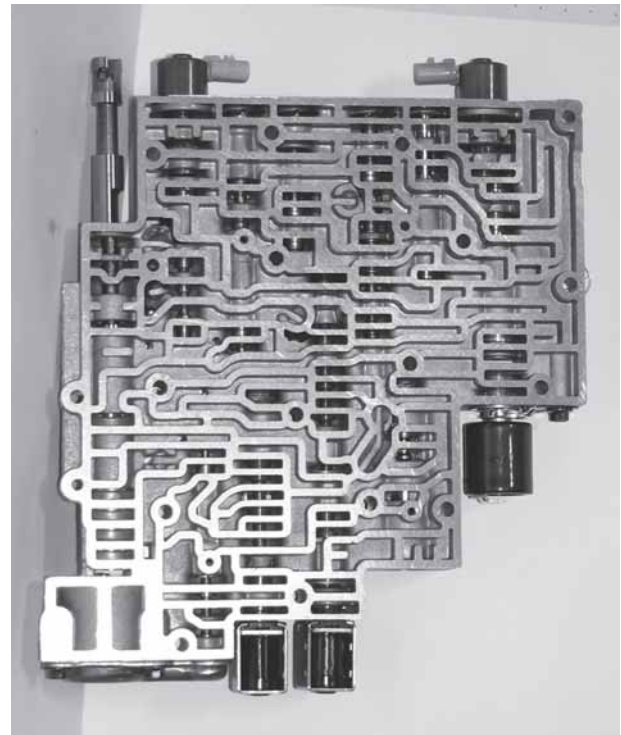
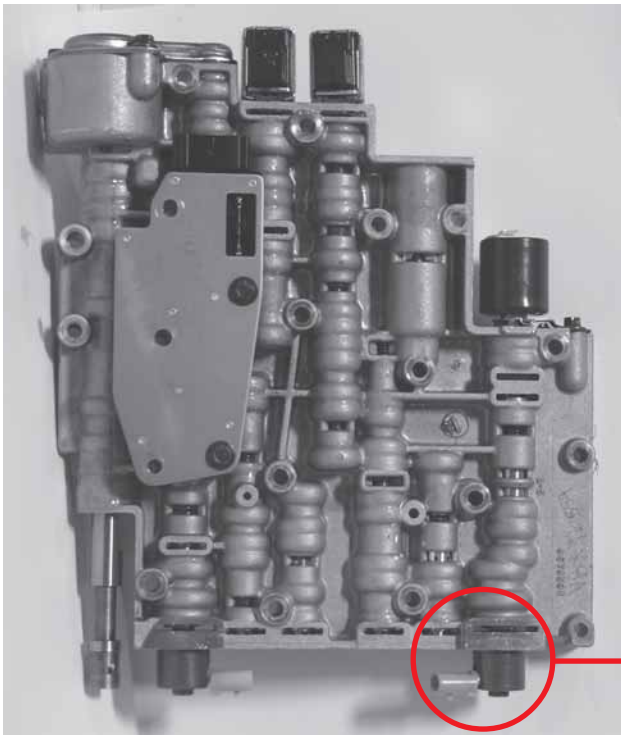
APPLICATION INFORMATION

TRANS	YEAR
4L60E	1995

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P61990G	4L60E	95	w/ PWM TCC (1) / PWM 3-2 6 solenoid transmission	w/ upgraded TCC / Reg Valves w/ new EPC solenoid / PSM

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Valve Body has 5 solenoids, plus 1 in the pump (6 total).
2. To identify, the 3-2 downshift & TCC PWM solenoids are the same (low ohms).
3. Contains AFL, TCC & accumulator valves, new EPC & PSM and all other solenoids are tested.

GENERAL MOTORS

4L60E (1996-2002)

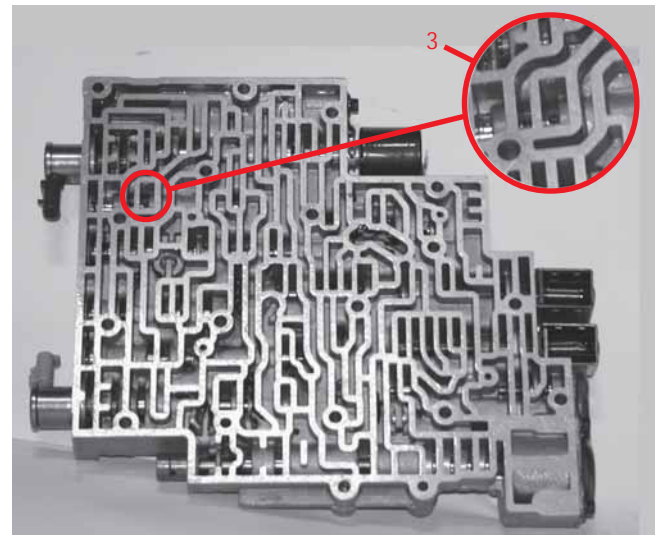
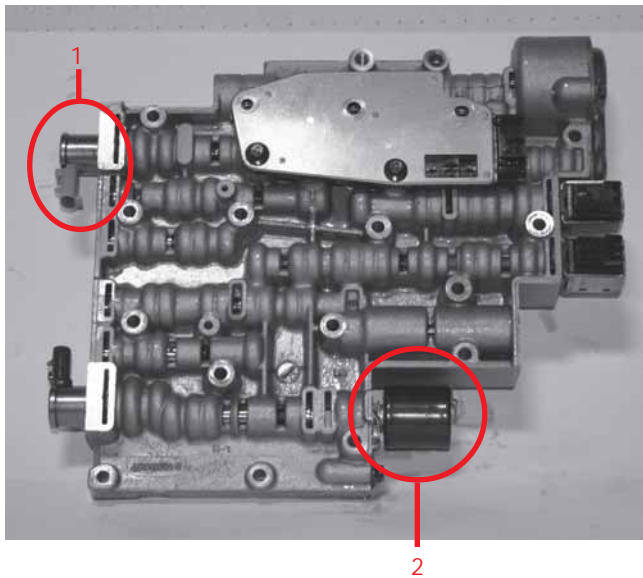
APPLICATION INFORMATION

TRANS	YEAR
4L60E	1996-2002

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P61990H	4L60E	96 - 01	w/ on-off 3-2 (1), holley EPC solenoid (2)	w/ new EPC solenoid / PSM upgraded TCC / Reg valves
P61990J	4L60E	01- 02	w/ full annular TCC (3), w/holley EPC solenoid	w/ new EPC solenoid / PSM upgraded TCC / Reg valves

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 96-02 3-2 downshift solenoid is On-Off (High-Ohms)(1).
2. The square passage (3) shows non-full annular design. Full annular design has a bridge in the center of the passage.
3. The valve body contains updated AFL, TCC & Accumulator Valves, New EPC & PSM and all other solenoids are tested.



GENERAL MOTORS - ALLISON

LCT1000 (2000-2003)

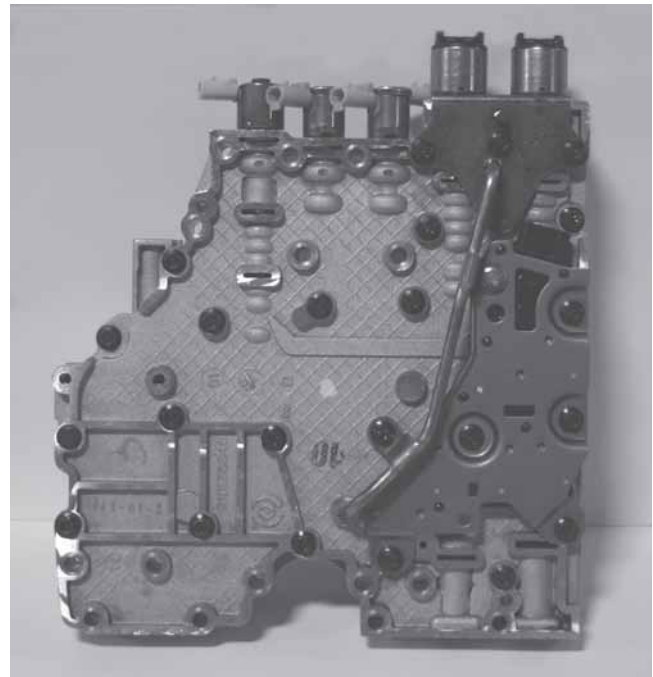
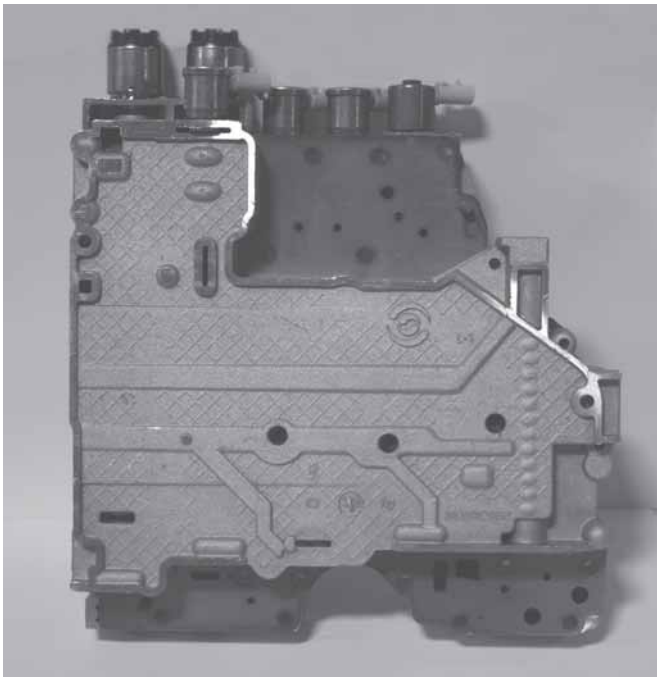
APPLICATION INFORMATION

TRANS LCT1000	YEAR 2000-2003
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P15990	LCT	00-03	w/o line pressure solenoid G (04-Up)	w/ new trim A&B solenoid / PSM w/ updated TCC control sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 2000-2003 model does not use the line pressure control valve body section. 2004 models use the line pressure control valve body section and "G" solenoid.
2. The trim A&B solenoids are new, and all other solenoids are tested.



FORD

A4LD (1988-1995)

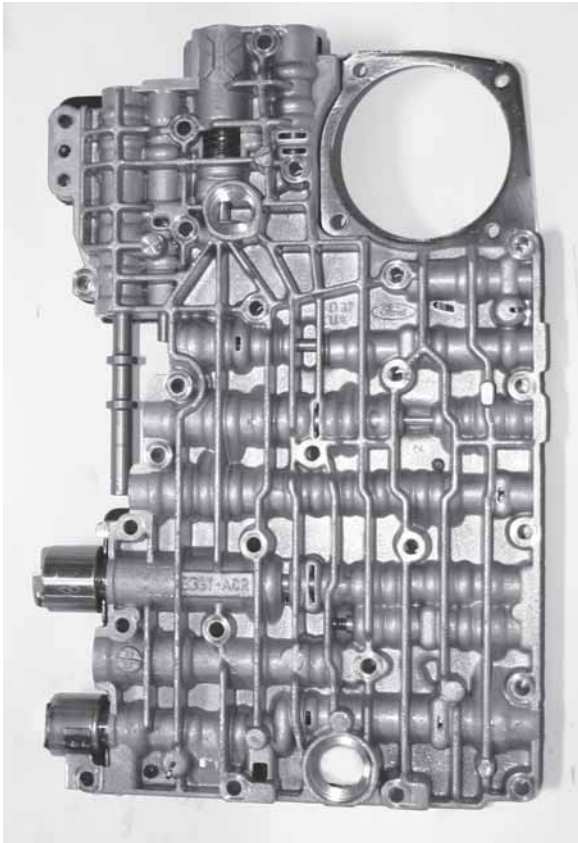
APPLICATION INFORMATION

TRANS	YEAR
A4LD	1988-1995

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P27990A	A4LD	88-95	2 solenoids (2nd design 3-4)	w/ new boost valve / tested solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The Valve Body contains the latest design 3-4 solenoid & improved pressure regulator boost valve /sleeve.
2. Solenoids are tested

FORD

4R44E, 4R55E (1995-Up)

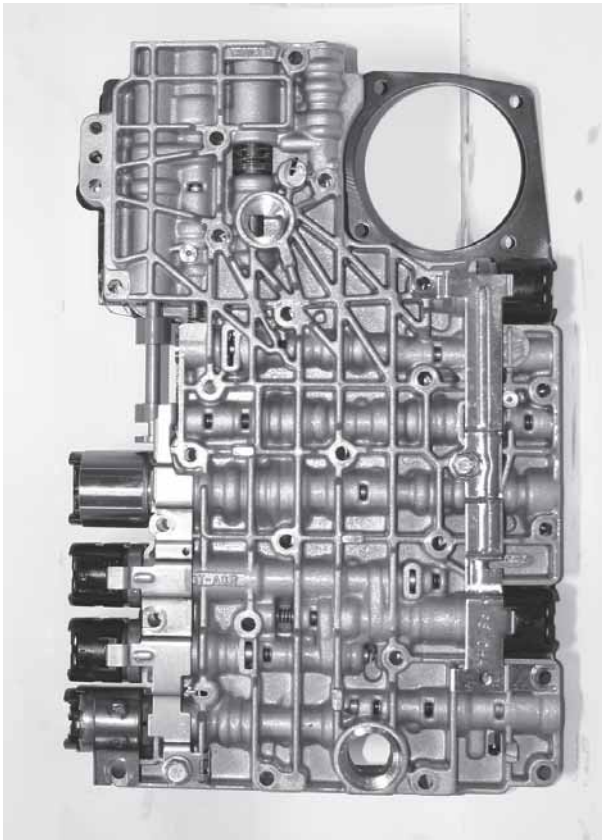
APPLICATION INFORMATION

TRANS	YEAR
4R44E	1995-Up
4R55E	1995-1996

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P27990E	4R44E	95-Up	non 4.0L - 4 speed	various - w/ solenoids (new EPC / bracket)
P27990F	4R55E	95-96	w/ 4.0L - 4 speed	various - w/ solenoids (new EPC / bracket)

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Contains updated boost valve, along with 7 **VB-Xtra** updates, including an updated EPC Bracket and a new OEM EPC. All other solenoids are tested.



FORD

5R55E (1997-Up)

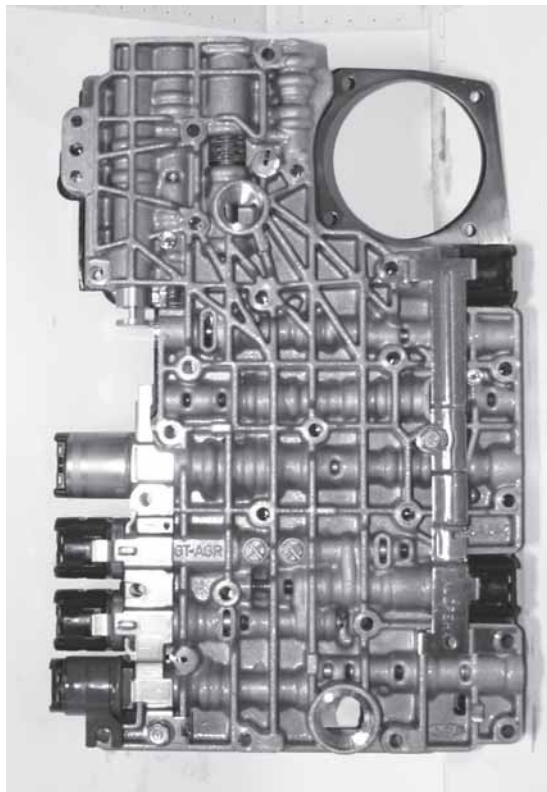
APPLICATION INFORMATION

TRANS	YEAR
5R55E	1997-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P27990G	5R55E	97-Up	w/ 4.0L - 5 speed	various - w/ solenoids (new EPC / Bracket)

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Contains solenoids with inductive signature feature. These solenoids will retro to 95.
2. Contains updated boost valve, along with 7 **VB-Xtra** updates, including an updated EPC Bracket and a new OEM EPC. All other solenoids are tested.

FORD

5R55N (1999-Up)

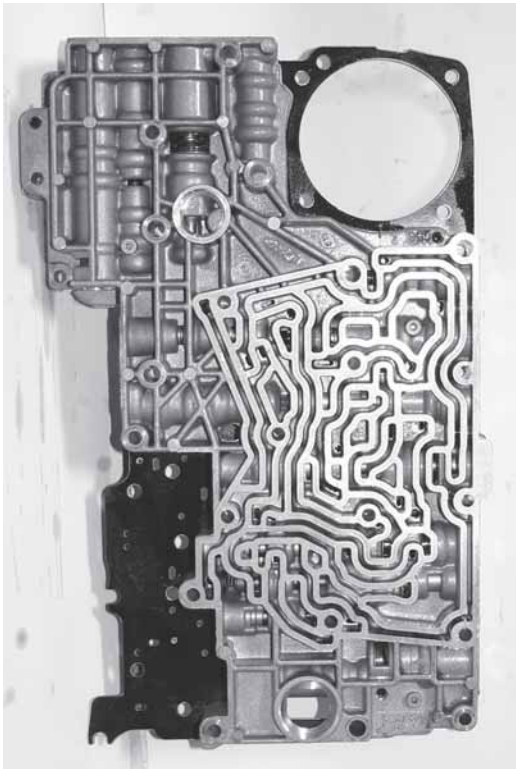
APPLICATION INFORMATION

TRANS	YEAR
5R55N	1999-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P27990N	5R55N	99-Up	w/ intermediate clutch design	4-3 pre-stroke spring

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Solenoid block not included, refer to page 27 for OEM solenoid block listing.
2. 4/3 pre-stroke spring and 2 spring changes are included.



FORD

5R55S/W (2002-Up)

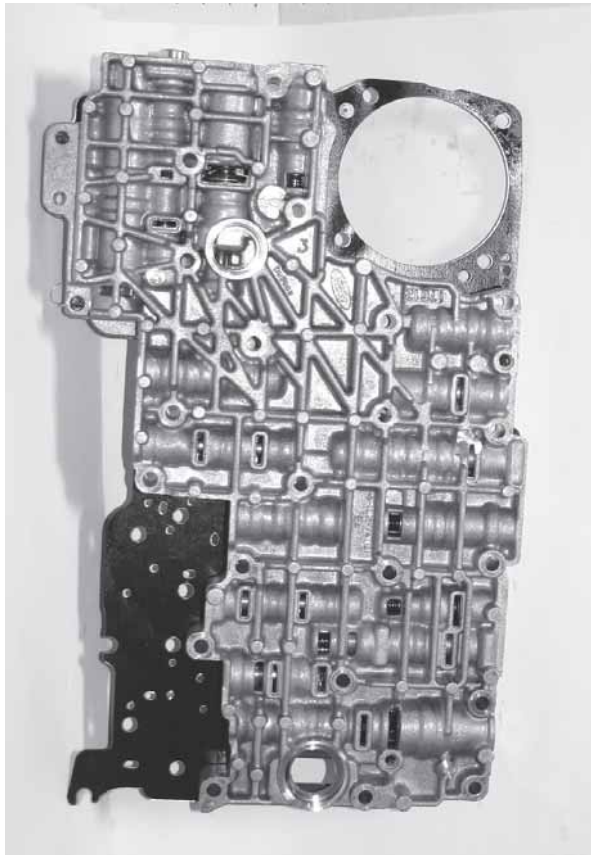
APPLICATION INFORMATION

TRANS 5R55S/W	YEAR 2002-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P27990W	5R55S/W	02-Up	w/o intermediate clutch design	4-3 pre-stroke spring

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Solenoid block not included, refer to page 27 for OEM solenoid block listing.
2. 4/3 pre-stroke spring and 2 spring changes are included.

FORD

5R55N/S/W SOLENOID BLOCK

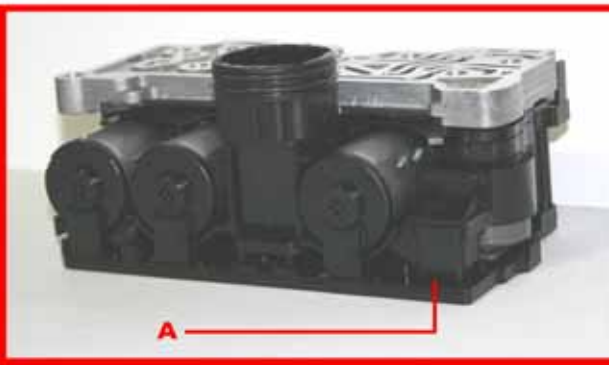
APPLICATION INFORMATION

TRANS
5R55N/S/W SOLENOID BLOCK

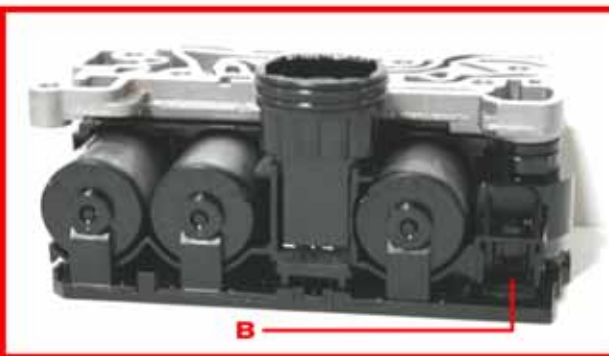
PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
31A-115	5R55N	99-Up	OEM Solenoid Block	
31A-115B	5R55S/W	02-03	OEM Solenoid Block	
31A-115D	5R55S/W	04-Up	OEM Solenoid Block	(Can retro to 2002)

VALVE BODY IMAGE



31A-115
- 31A-115 has a reverse pressure switch. Note the location marked by (A).
- also note the differences in the channel plate worm tracks and the screen plates.



31A-115B
- 31A-115B does **NOT** have a reverse pressure switch. Note the location marked by (B).
- also note the differences in the channel plate worm tracks and the screen plates.

The 5R55N and 5R55S/W valve bodies do not contain the electronic solenoid block. A defective solenoid can produce multiple fault codes. The manufacturer **highly recommends** that this solenoid block be replaced whenever a transmission problem and/or failure occurs. The solenoid blocks are different. Refer to the photos to identify the solenoid block required and use the correct part number when ordering.



FORD

C4, C5 (1978-1986)

APPLICATION INFORMATION

TRANS	YEAR
C4	1978-1981
C5	1982-1986

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P26990A	C4	78-81	9 Bolt Filter Design	
P26990C	C5	82-86	1 Bolt Filter Design (pictured)	

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The C4 valve body filter (deep or shallow)uses multiple bolts (9).
2. The C5 valve body filter (deep or shallow)uses one bolt (1) in the center and has an additional body.

FORD

C6 (1976-Up)

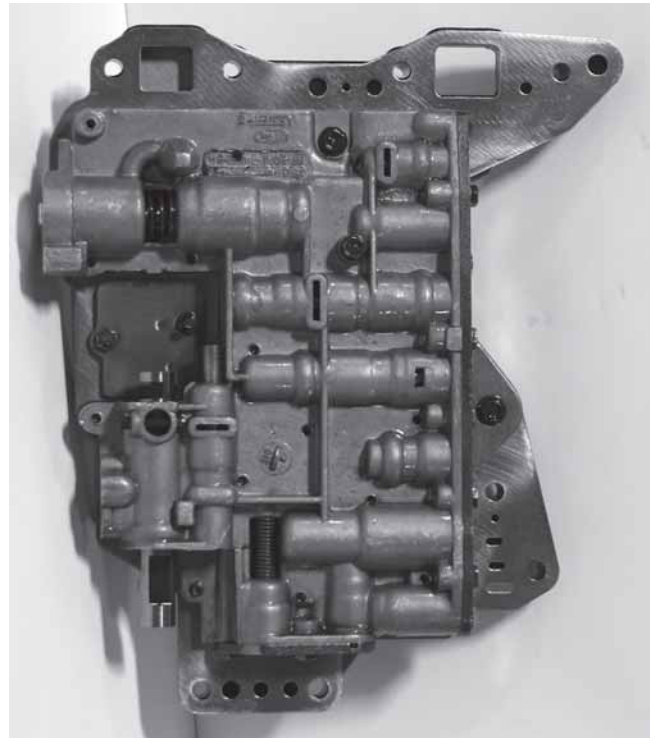
APPLICATION INFORMATION

TRANS	YEAR
C6	1976-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P36990A	C6	76-Up	w/ gas	w/ new boost valve / sleeve
P36990D	C6	76-Up	w/ diesel	w/ new boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The gas and diesel applications use different calibrations. Interchanging may result in driveability complaints.



FORD

CD4E (1994-Up)

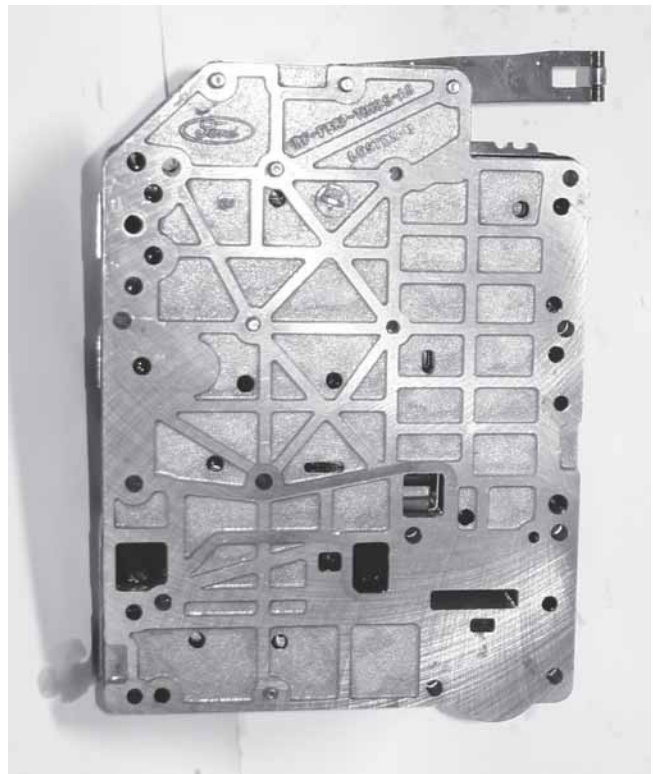
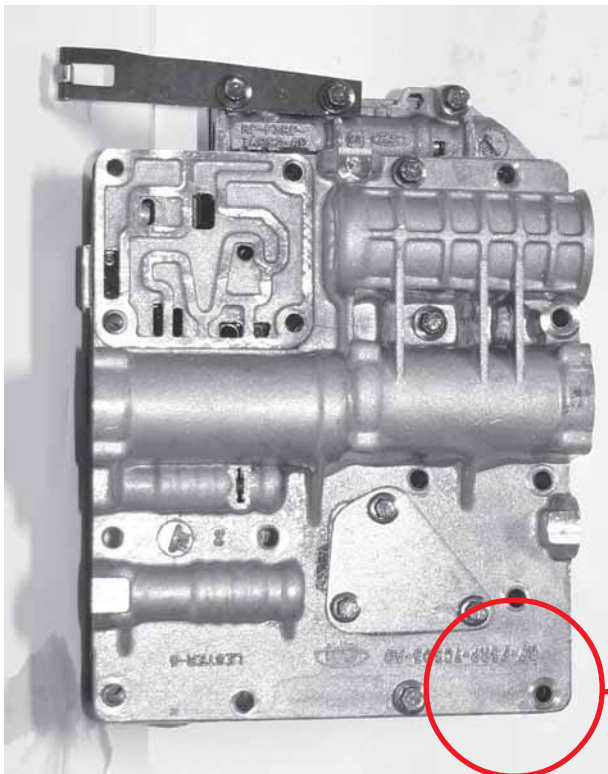
APPLICATION INFORMATION

TRANS	YEAR
CD4E	1994-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P85990	CD4E	94-96	w/ F3 casting (w/o solenoids) (1)	w/ updated pressure regulator / TCC bypass valves P85990A/C contains new solenoid group
P85990A	CD4E	94-96	w/ F3 casting (w/ solenoids) (1)	
P85990B	CD4E	97-Up	w/ F7 casting (w/o solenoids) (1)	
P85990C	CD4E	97-Up	w/ F7 casting (w/ solenoids) (1)	

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Refer to the photos above & look for the first four casting numbers on the accumulator body (1) . They will either be **RF F3** or **RF F7** . It does make a difference. Provide the correct casting numbers when ordering.

FORD

E4OD (1989-1998)

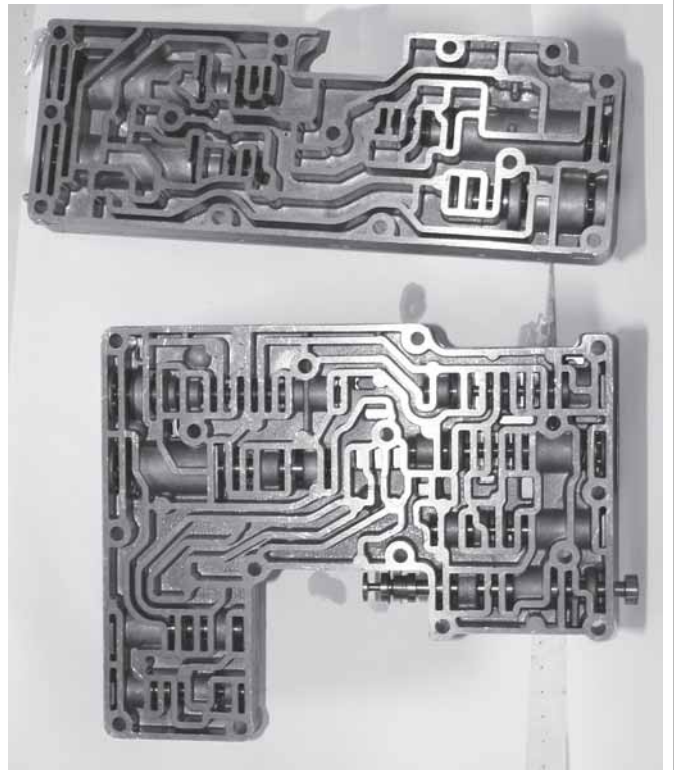
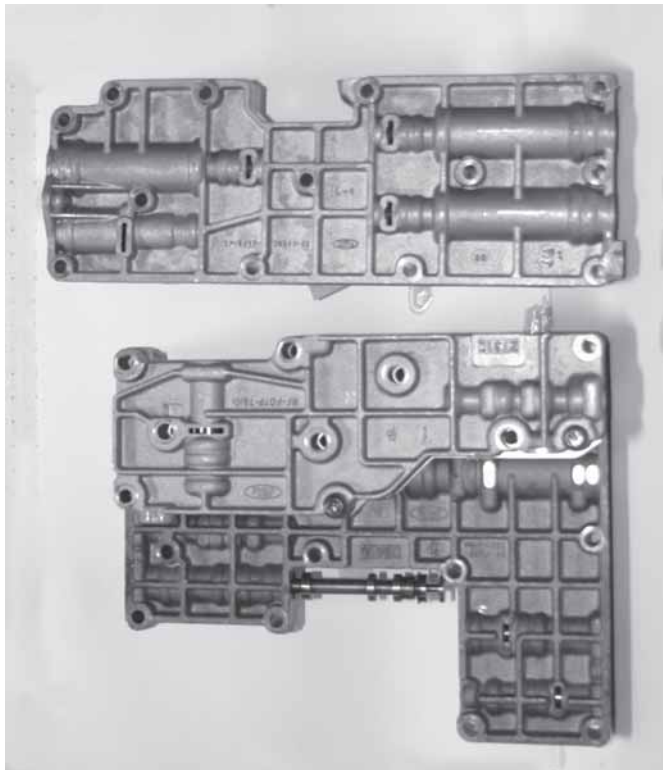
APPLICATION INFORMATION

TRANS	YEAR
E4OD	1989-1998

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P73990	E4OD	89	w/ E9 casting #	various updates
P73990A	E4OD	90-95	w/ F0/F1 casting #	various updates
P73990B	E4OD	96-98	w/ F6 casting #	various updates

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The solenoid block / separator plate is not included.
2. The valve body contains 4 calibration updates.



FORD

ATX (1981-Up)

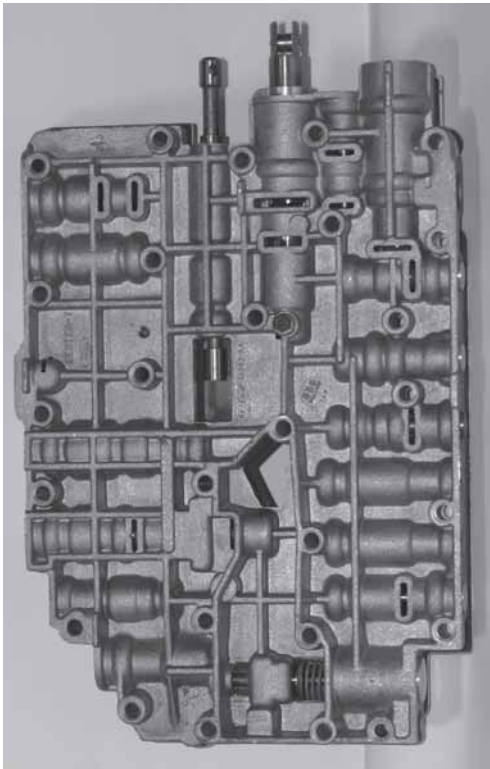
APPLICATION INFORMATION

TRANS	YEAR
ATX	1981-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P57990	ATX	81-Up	all models	w/ updated TV valves

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body contains an updated throttle valve system.

FORD

AXODE (1991)

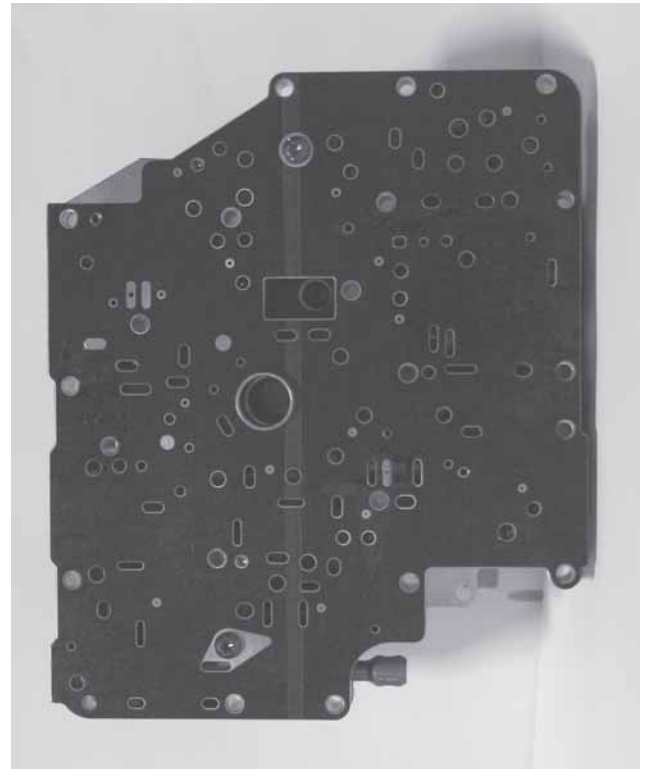
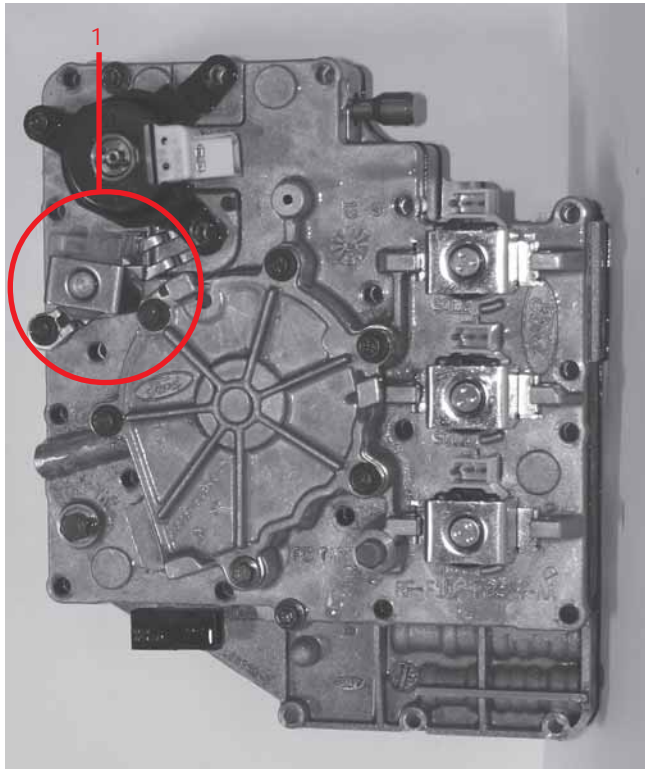
APPLICATION INFORMATION

TRANS	YEAR
AXODE	1991

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P67990D	AXODE	91	w/ on-off lockup (1)	w/ new EPC solenoid / pump vanes / bearing updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Square lockup - 1991/ Round lockup - 1991 Lincoln, 1992-Up all.
2. The valve body contains updated boost & bypass valves, 2 VB-Xtra updates, new pump bearing, sleeve and pump vanes, new EPC and all other solenoids are tested. Pump assembly, plate & all gaskets are included.



FORD

AX4S (1992-1998)

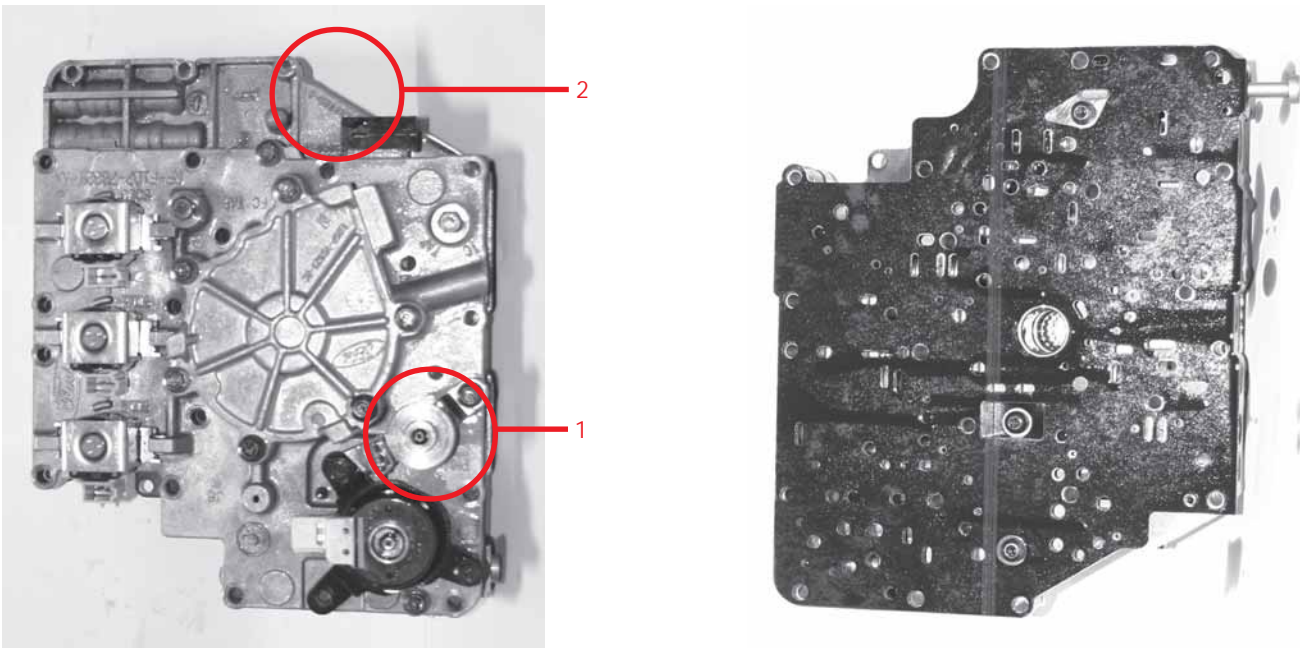
APPLICATION INFORMATION

TRANS	YEAR
AX4S	1992-1998

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P67990E	AX4S	92	w/ PWM lock-up (1)	w/ new EPC solenoid / pump vanes / bearing updated boost valve / sleeve
P67990F	AX4S	93-98	w/ PWM lock-up (white connector) (1) F4 castng # (2)	w/ new EPC solenoid / pump vanes / bearing updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The **P67990F** can be used for vehicles from 1993 through 1998, however, beginning in 1997 with Lincoln & midway through 1998 on other models, the lock-up solenoid changes from white to blue. When ordering for a vehicle 1997 or later, specify color of the lock-up solenoid connector.
2. F4 Casting Number on the valve body (2)
3. The valve body contains updated boost & bypass valves, 2 **VB-Xtra** updates, new pump bearing, sleeve and pump vanes, new EPC and all other solenoids are tested. Pump assembly, plate & all gaskets are included.
4. Round Lock-Up solenoid - 1992-Up

FORD

AX4S (1997-1998)

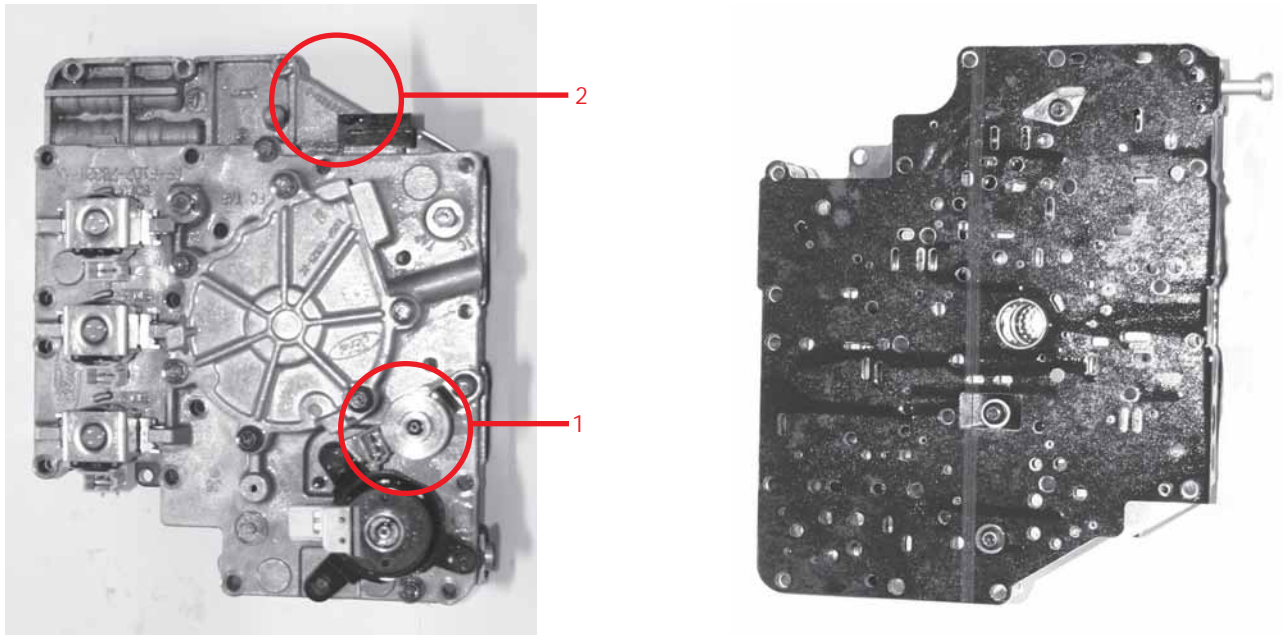
APPLICATION INFORMATION

TRANS	YEAR
AX4S	1997-1998

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P67990G	AX4S	97-98	w/ PWM (blue connector) (1) F4 castng # (2)	w/ new EPC solenoid / pump vanes / bearing updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Beginning in 1997 with Lincoln & 1998 with most other models, the AX4S contains a blue lock-up solenoid connector (1). The blue lock up solenoid has approximately 14 Ohms of resistance, as opposed to 3 Ohms of resistance on the white connector solenoids. Verify type before ordering.
2. Valve body will have an F4 Casting Number (2).
3. The valve body contains updated boost & bypass valves, 2 **VB-Xtra** updates, new pump bearing, sleeve and pump vanes, new EPC and all other solenoids are tested. Pump assembly, plate & all gaskets are included.



FORD

AX4S (1998-Up)

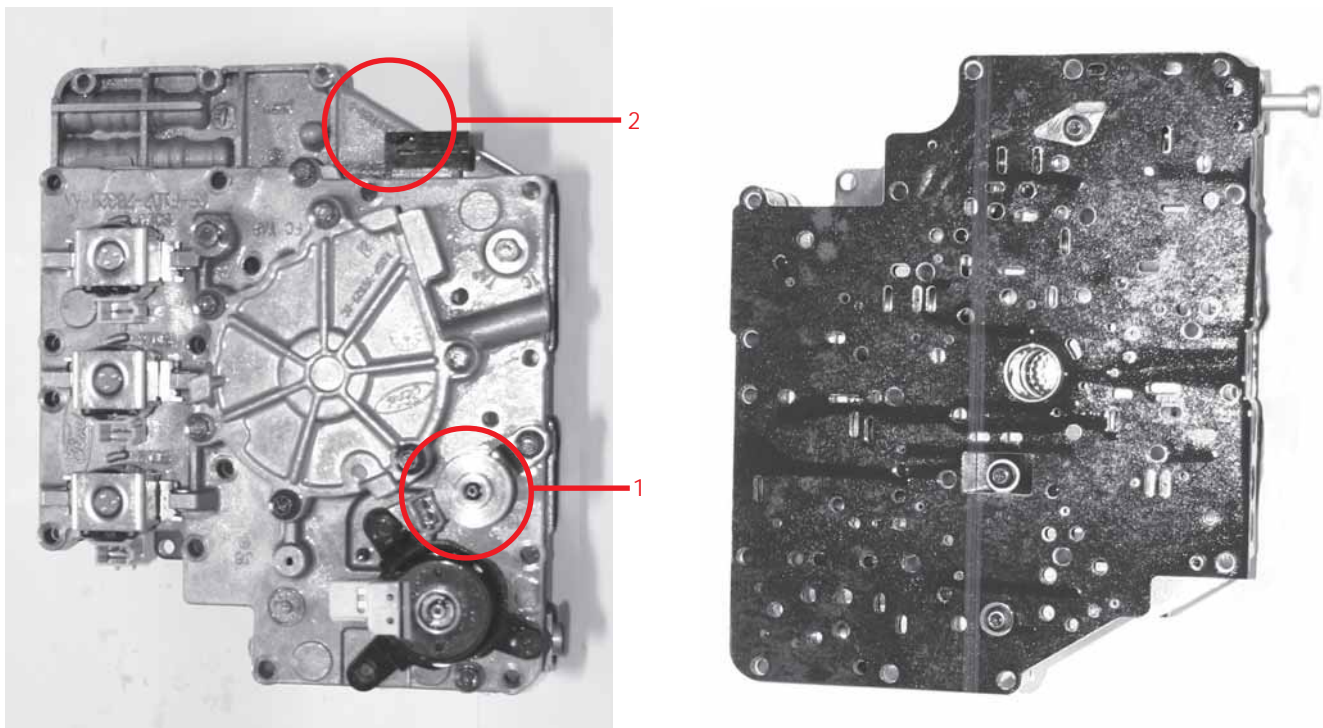
APPLICATION INFORMATION

TRANS AX4S	YEAR 1998-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P67990L	AX4S	98-Up	w/ YF / XF casting # (1)	w/ new EPC solenoid / pump vanes / bearing updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. XF/YF Casting Number (Mid 1998 & Up) (2)
2. The valve body contains updated boost & bypass valves, 2 **VB-Xtra** updates, new pump bearing, sleeve and pump vanes, new EPC and all other solenoids are tested. Pump assembly, plate & all gaskets are included.

FORD

AX4N (1995-Up)

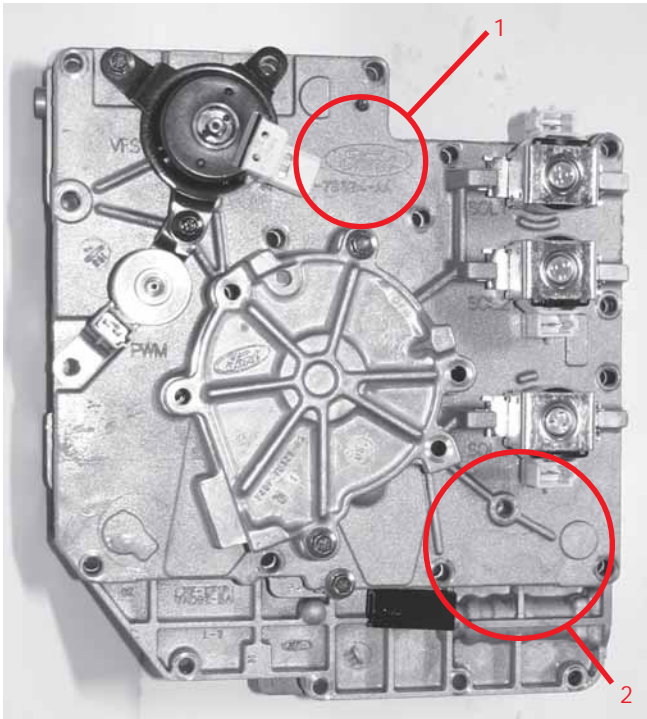
APPLICATION INFORMATION

TRANS	YEAR
AX4N	1995-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P67990H	AX4N	95-97	w/ F4 casting # (1)	w/ new EPC solenoid / pump vanes / bearing / pump cover updated boost valve / sleeve
P67990J	AX4N	98-Up	w/ F8 (1) / XF casting # (2)	w/ new EPC solenoid / pump vanes / bearing / pump cover updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Look for the casting numbers on the **Pump Body**. The numbers will be **RF F4**, **RF F8** or **RF XF1**. The **RF F4** is for 1995-1997. The **RF F8** and the **RF XF1** are interchangeable for 1998-Up.
2. The valve body contains updated boost & bypass valves, 2 **VB-Xtra** updates, new pump bearing, sleeve and pump vanes, new EPC and all other solenoids are tested. Pump assembly machined with new cover, plate & all gaskets are included.



FORD

AOD (1980-1993)

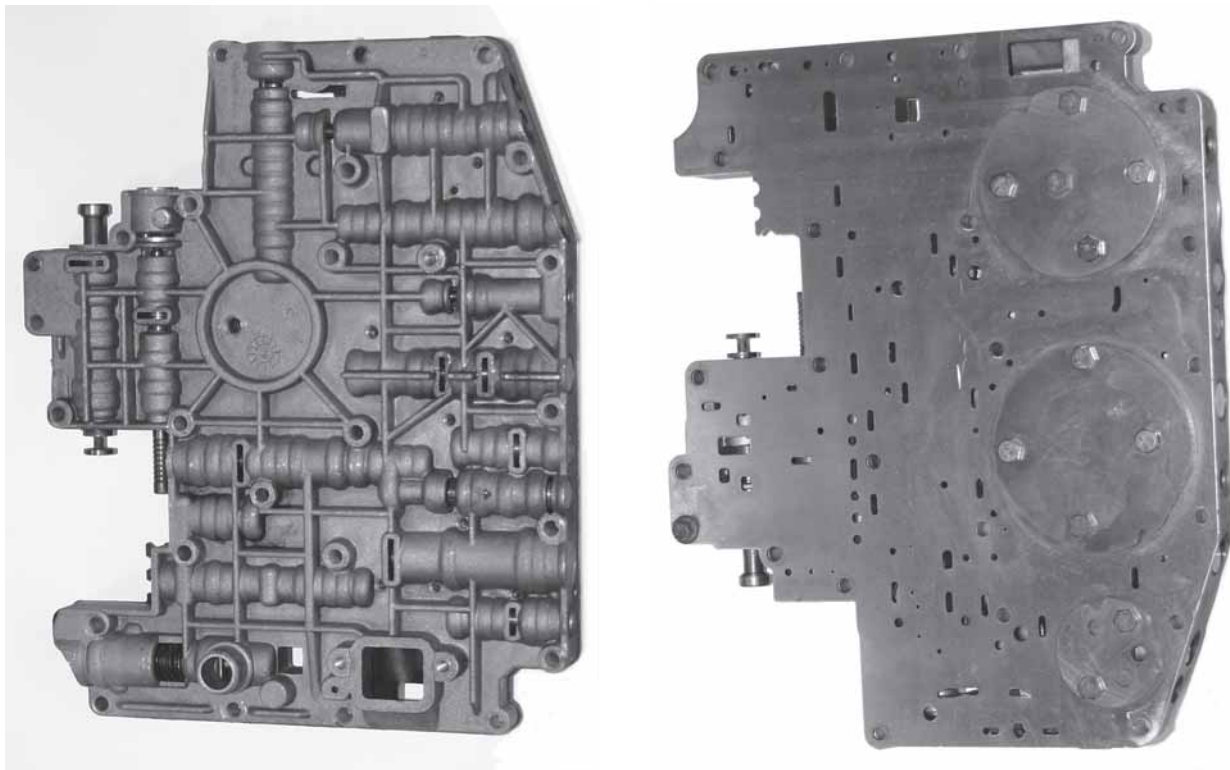
APPLICATION INFORMATION

TRANS	YEAR
AOD	1980-1993

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P53990B	AOD	80-87	w/ 4th accumulator	w/ updated boost valve / sleeve
P53990C	AOD	87-93	w/o 4th accumulator	w/ updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 4th accumulator piston was omitted in mid-87 on certain models. The piston bore was not omitted. Verify application before ordering.
2. The valve body contains updated boost valve / sleeve and 2 **VB-Xtra** updates.

FORD

AODE/W (1992-1997)

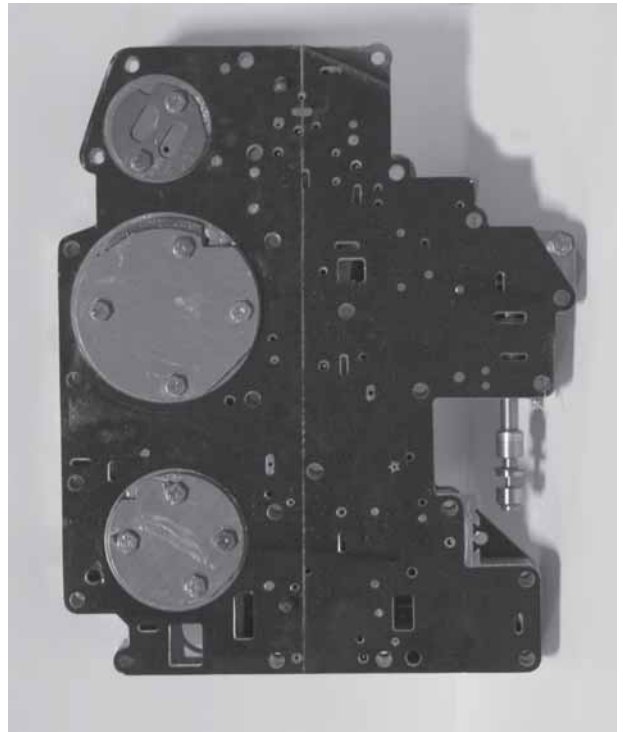
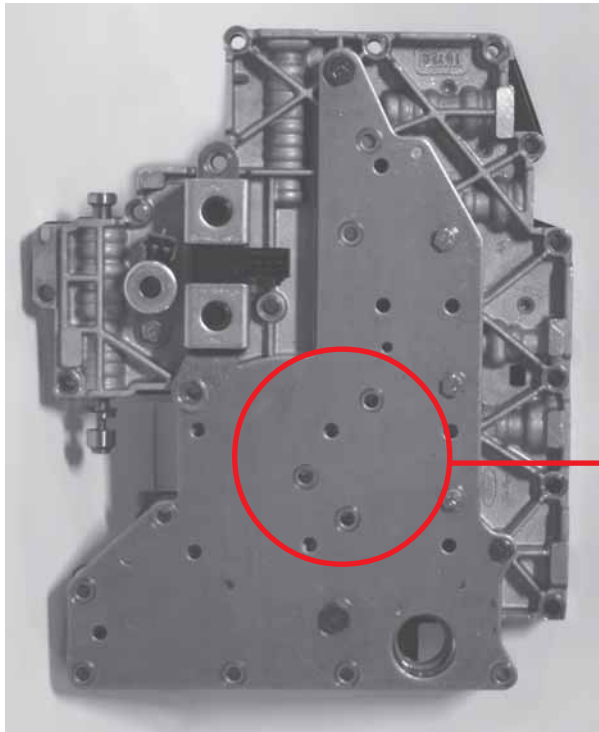
APPLICATION INFORMATION

TRANS	YEAR
AODE/W	1992-1997

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P53990E	AODE	92	w/ 12mm bolt / F2 casting #	updated PR boost / bypass valve
P53990D	AODE/W	93-95	w/ 13mm bolt / F3 casting #	updated PR boost / bypass valve
P53990F	4R70W	96-97	w/ 10mm bolt / F6 casting # soft wire solenoid	updated PR boost / bypass valve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The casting number is located under the plate (1).
2. The valve body contains updated pressure regulator and boost valve / sleeve and has 2 VB-Xtra updates. The lockup solenoid is new and the shift solenoid is tested.



FORD

4R70W (1998-Up)

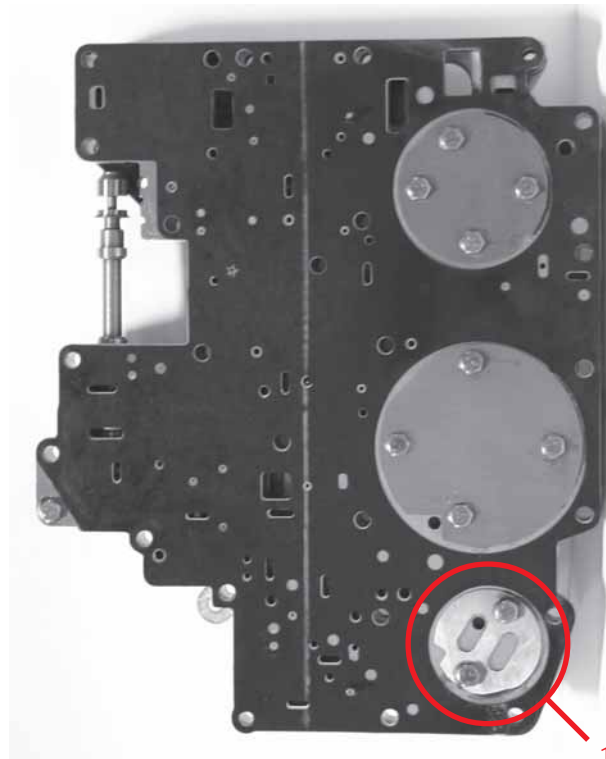
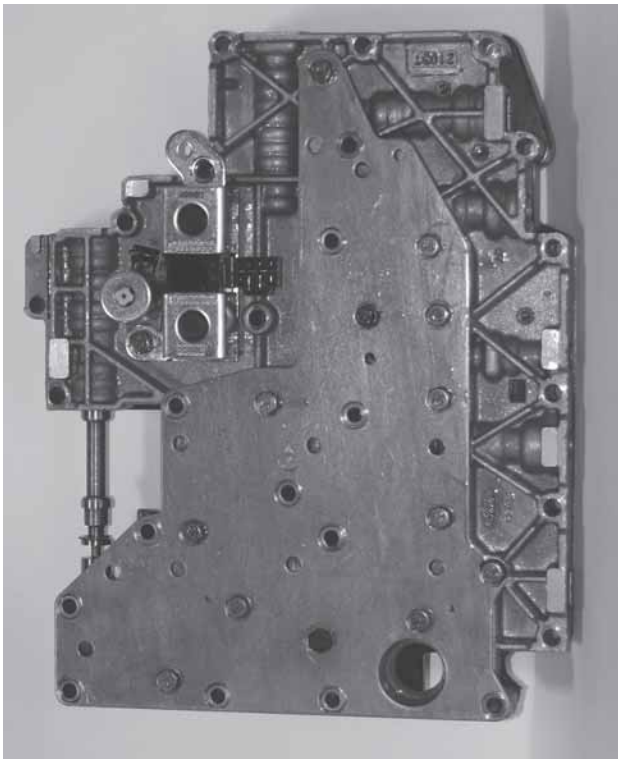
APPLICATION INFORMATION

TRANS	YEAR
4R70W	1998-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P53990G	4R70W	98-00	w/ 2-3 acc plate (1) / hard wire solenoid	updated PR boost / bypass valve
P53990J	4R70W	00-Up	w/o 2-3 acc plate (1) / hard wire solenoid	updated PR boost / bypass valve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 98-E00 EPC solenoid uses a green connector. The L00-Up uses a white connector. The white connector solenoid will retro to 1998.
2. The **P53990J** has no 2-3 accumulator support plate (1).
3. The valve body contains updated pressure regulator and boost valve / sleeve and has 2 **VB-Xtra** updates. The lockup solenoid is new and the shift solenoid is tested.

FORD

AODE/4R70W TECHNICAL

INFORMATION

AODE/4R70W Shift / TCC Solenoid Identification

The solenoid set shown below (1) is the **WIRED / SOFT WIRE** harness.

The solenoid set shown below (2) is the **SOLID / HARD WIRE** harness.

The changes from **WIRED** to **SOLID** harness, occur in model year 1998.

Part numbers are different depending on the solenoid set required, refer to the AT catalog for correct part #.

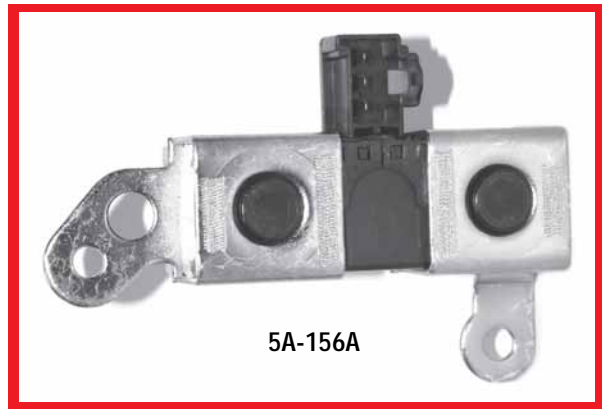
IMAGE



5A-157
2 Ohms



5A-157A
13 Ohms

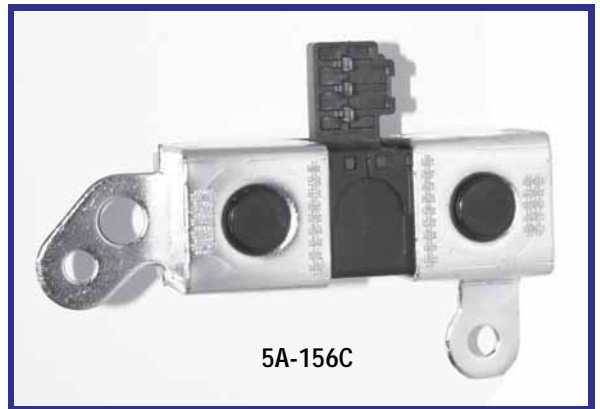


5A-156A

SOFT WIRE SOLENOID (1)



5A-157C
13 Ohms



5A-156C

HARD WIRE SOLENOID (2)

CHRYSLER

T6 (1978-1986)

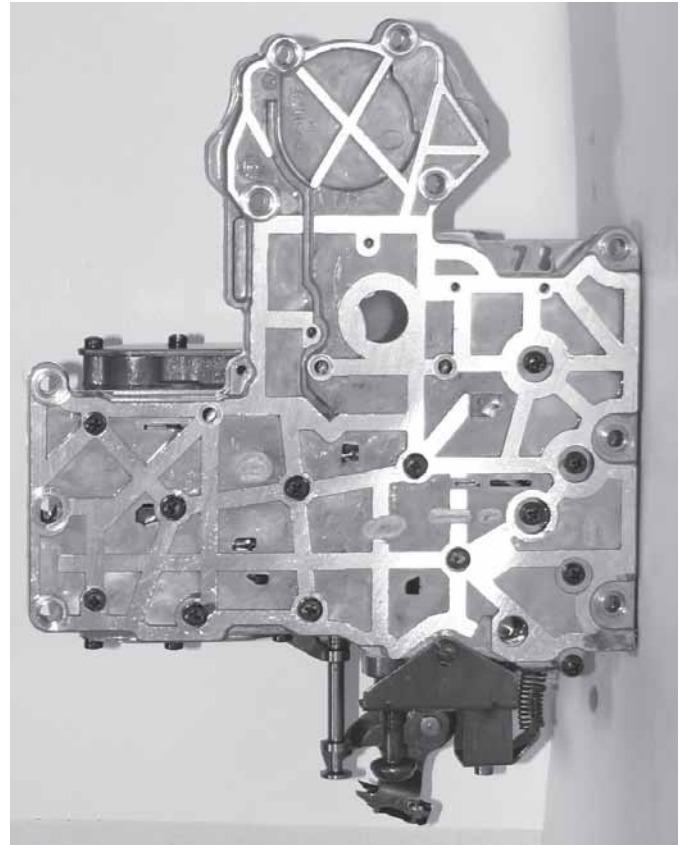
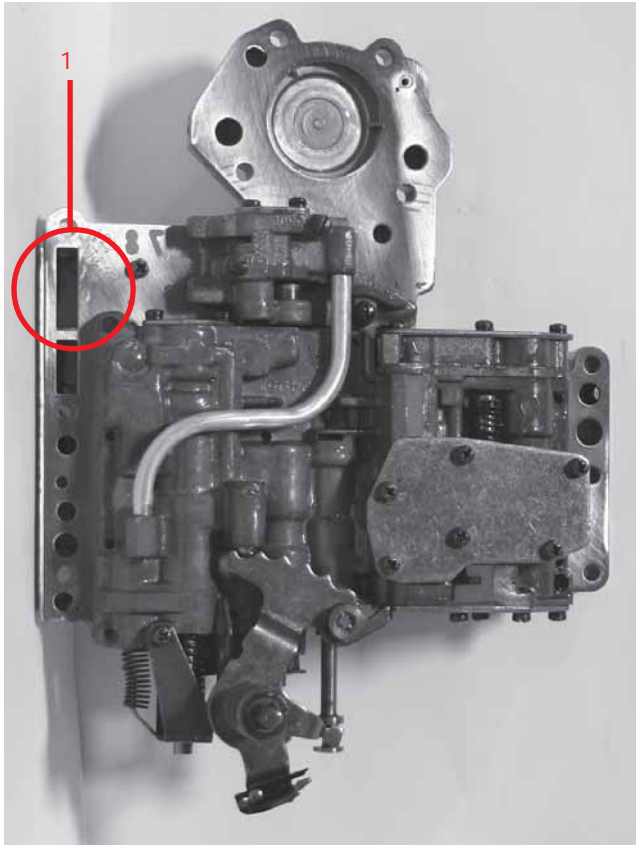
APPLICATION INFORMATION

TRANS	YEAR
T6	1978-1986

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P12990	T6	78-86	w/ non lockup / small port (1)	
P12990C	T6	78-86	w/ lockup, w/o solenoid / small port (1)	

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Lockup models have a piloted input shaft and non-lockup models do not. Spline counts are also different.



CHRYSLER

T6 (1987-Up)

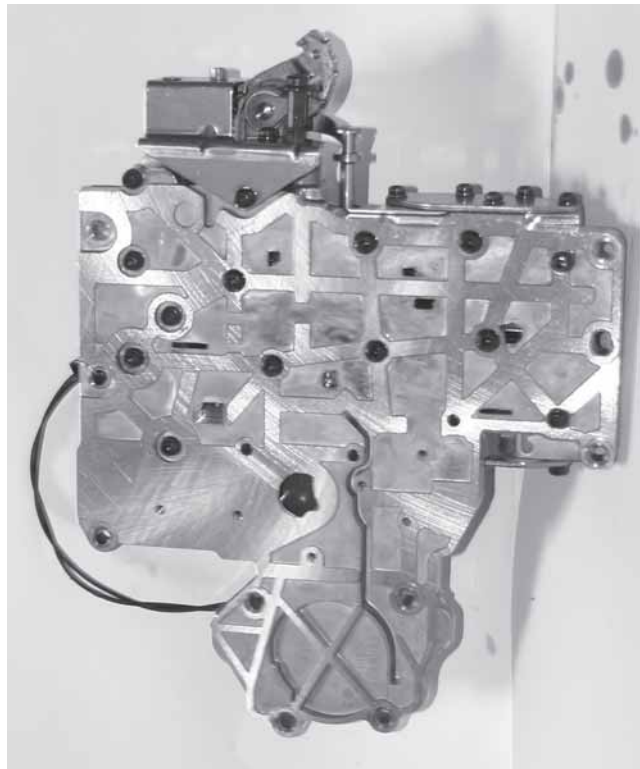
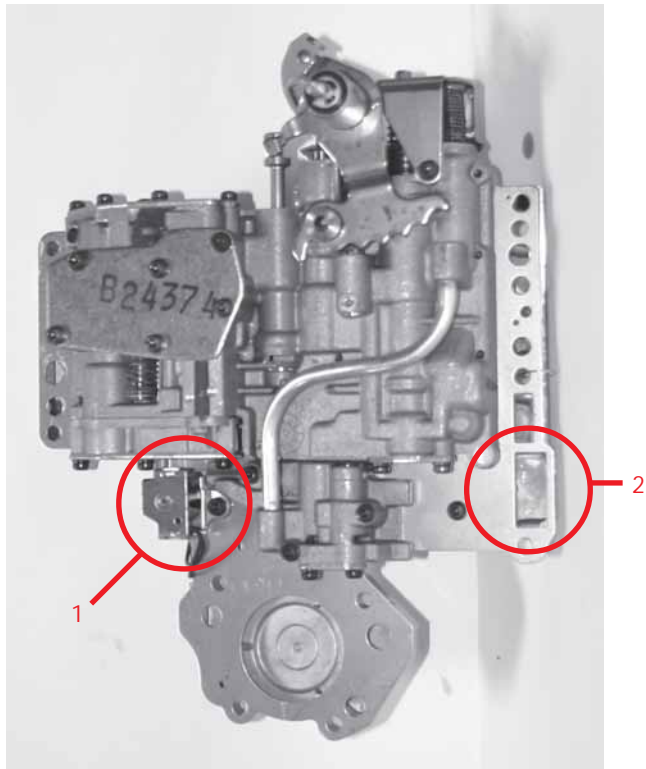
APPLICATION INFORMATION

TRANS	YEAR
T6	1987-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P12990A	T6	87-Up	w/ lockup, 1 wire solenoid (1), small port (2)	w/ new solenoid
P12990L	T6	94-95	w/ lockup, 2 wire solenoid (1), small port (2)	w/ new solenoid
P12990M	T6	95-Up	w/ lockup, 2 wire solenoid (1), large port (2)	w/ new solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The pump inlet ports on the pump and case must match or cross leaks can occur.

CHRYSLER

A500 (1988-1995)

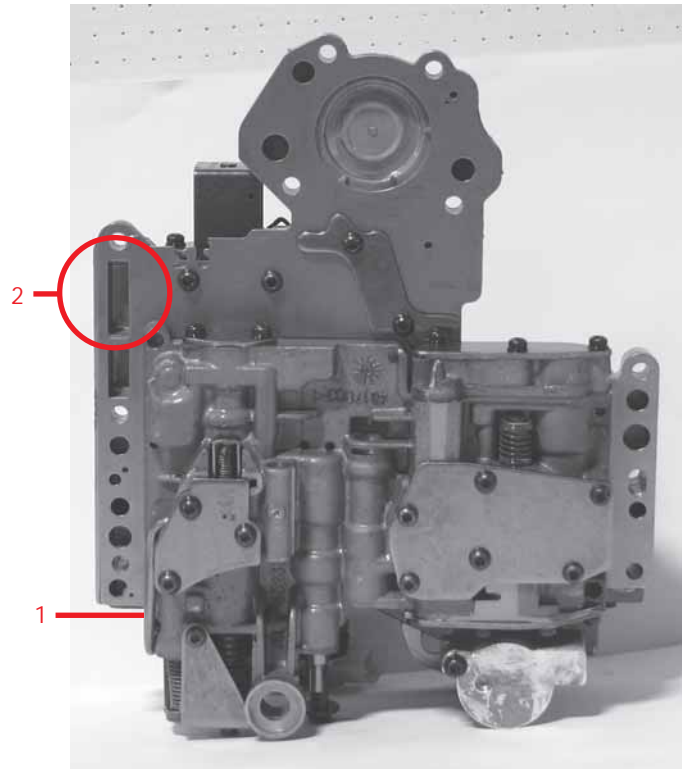
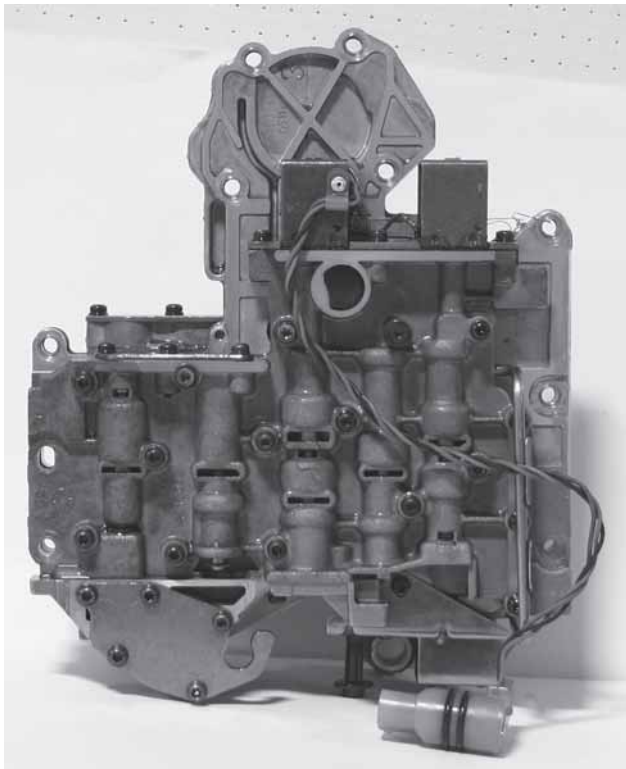
APPLICATION INFORMATION

TRANS	YEAR
A500	1988-1995

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P12990B	A500	88-92	w/ lockup, w/o boost tube (1)	w/ upgraded boost/manual valves
P12990F	A500	92-95	w/ boost tube (1), small port (2)	w/ upgraded boost/manual valves

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Chrysler Hydraulic A500/A518 with or without boost tube / valve. When working on a 1 or 2 solenoid hydraulic A500/A518 carefully review to determine the correct Valve Body for your application. The valve body pictured contains a boost tube. (1)
2. A500/A518 uses a hydraulic governor. A500/A518 valve bodies also do not have the rooster comb, so reuse the original.
3. The valve body contains updated manual & pressure regulator valves and all solenoids are tested.



CHRYSLER

42RE/44RE (1994-1999)

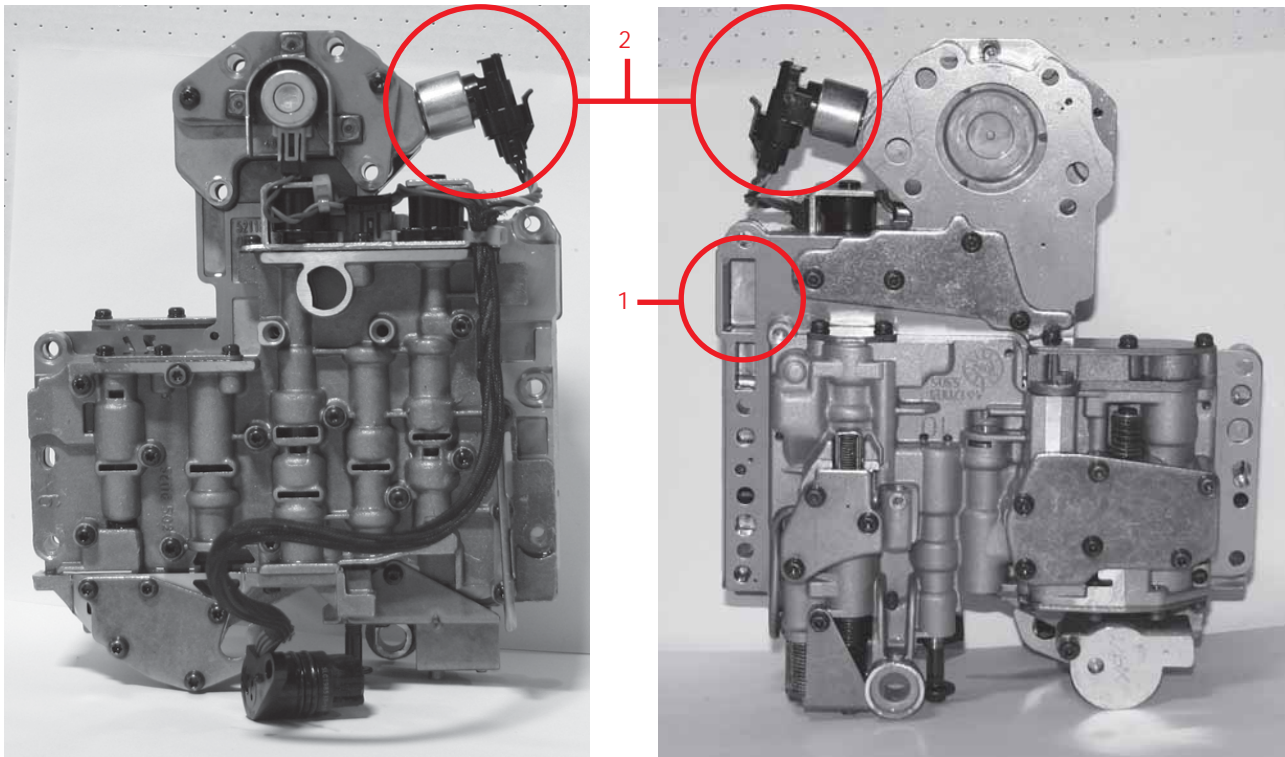
APPLICATION INFORMATION

TRANS	YEAR
42RE/44RE	1994-1999

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P12990E	42/44RE	94-Up	w/ small port (1), square connector sensor (2)	w/ upgraded boost/manual valves / new governor solenoid
P12990G	42/44RE	95-99	w/ large port (1), square connector sensor (2)	w/ upgraded boost/manual valves / new governor solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 42RE/47RE uses an electronic governor. Three prong governor pressure sensor / harness (94-E95) should be updated to a 4 prong square (94-99). Four prong rectangular sensor (00-Up) is not interchangeable with prior models.
2. The valve body does not have the rooster comb, so reuse the original.
3. The valve body contains updated manual & pressure regulator valves and new governor pressure solenoid, and all other solenoids are tested.

CHRYSLER

42RE/44RE (1999-Up)

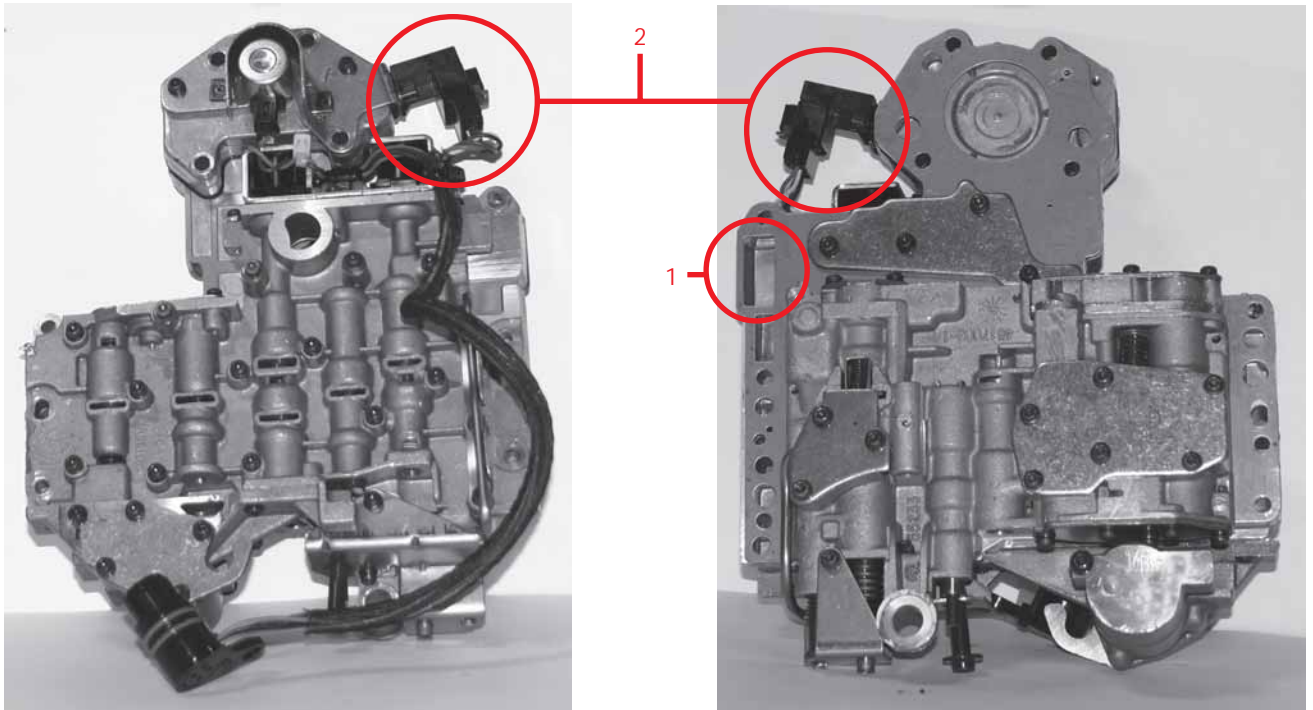
APPLICATION INFORMATION

TRANS	YEAR
42/44RE	1999-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P12990J	42/44RE	99-Up	w/ small port (1), rectangular connector sensor (2)	w/ updated boost/manual valves new governor solenoid
P12990H	42/44RE	99-Up	w/ large port (1), rectangular connector sensor (2)	w/ updated boost/manual valves new governor solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 42RE/47RE uses an electronic governor. Three prong governor pressure sensor / harness (94-E95) should be updated to a 4 prong square (94-99). Four prong rectangular sensor (00-Up) is not interchangeable with prior models.
2. The valve body does not have the rooster comb, so reuse the original.
3. The valve body contains updated manual & pressure regulator valves and new governor pressure solenoid, and all other solenoids are tested.



CHRYSLER

T8 (1978-Up)

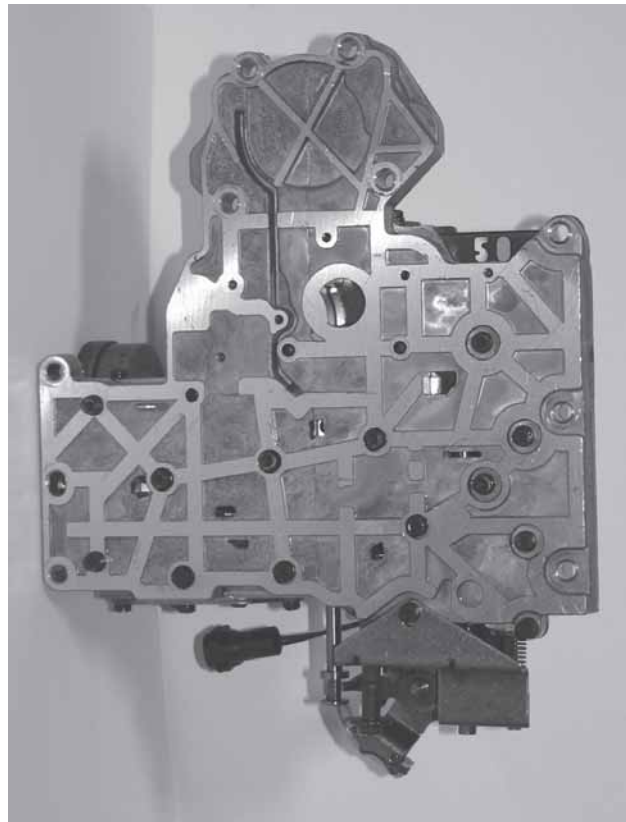
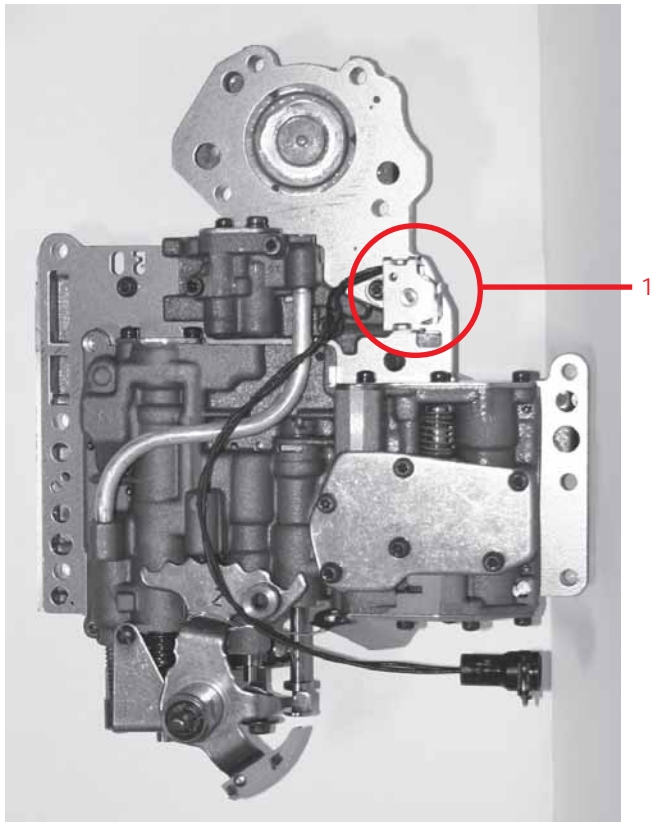
APPLICATION INFORMATION

TRANS	YEAR
T8	1978-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P22990G	T8	78-Up	w/ non lockup	
P22990H	T8	78-Up	w/ lockup, w/o solenoid	
P22990J	T8	87-Up	w/ lockup, w/ 1 wire solenoid (1)	w/ new solenoid
P22990K	T8	94-Up	w/ lockup, w/ 2 wire solenoid (1)	w/ new solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Lockup models have a piloted input shaft and non-lockup models do not. Spline counts are also different.

CHRYSLER

A518 (1990-Up)

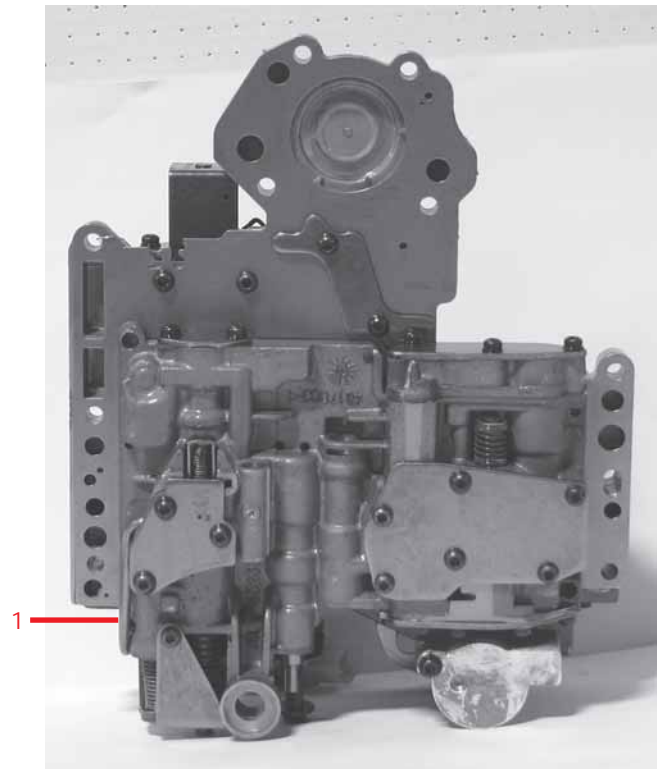
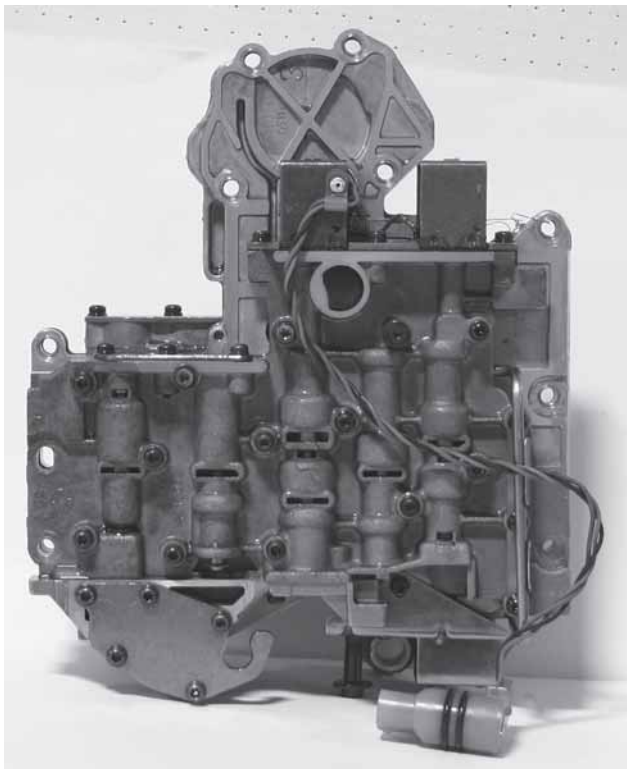
APPLICATION INFORMATION

TRANS A518	YEAR 1990-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P22990	A518	90-Up	w/ non lockup	w/ updated boost/manual valves/tested solenoids
P22990A	A518	90-95	w/ lockup, w/o boost tube	w/ updated boost/manual valves/tested solenoids
P22990B	A518	95-99	w/ lockup, w/ boost tube (1)	w/ updated boost/manual valves/tested solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Chrysler Hydraulic A500/A518 with or without boost tube / valve. When working on a 1 or 2 solenoid hydraulic A500/A518 carefully review to determine the correct valve body for your application. The valve body pictured contains a boost tube. (1)
2. A500/A518 uses a hydraulic governor. A500/A518 do not have the rooster comb, so reuse the original.
3. The valve body contains updated manual & pressure regulator valves and all solenoids are tested.



CHRYSLER

46/47RE (1997-Up)

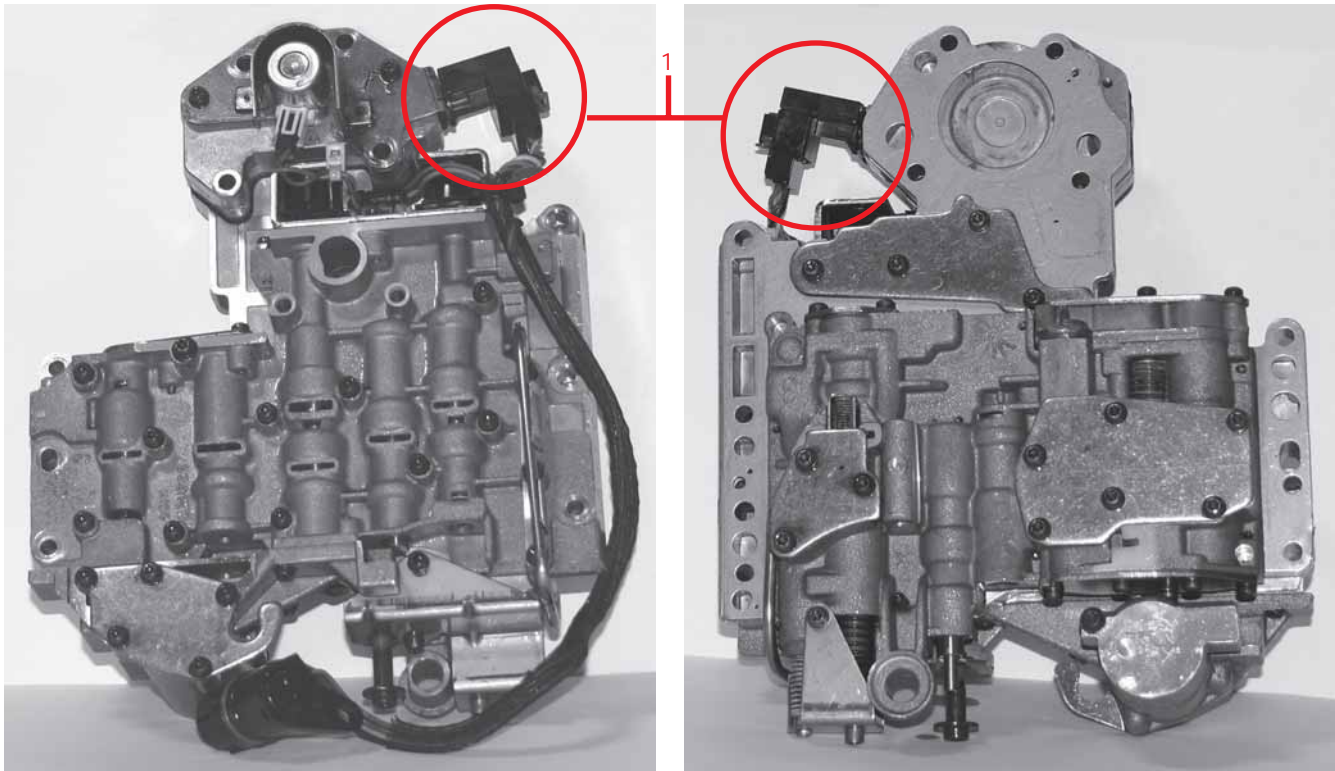
APPLICATION INFORMATION

TRANS	YEAR
46/47RE	1997-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P22990C	46/47RE	97-99	w/ square connector sensor	w/ updated boost/manual valves/new governor solenoid
P22990D	46/47RE	00-Up	w/ rectangular connector sensor (1)	w/ updated boost/manual valves/new governor solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 42RE/47RE uses an electronic governor. Three prong governor pressure sensor / harness (94-E95) should be updated to a 4 prong square (94-99). Four prong rectangular sensor (00-Up) is not interchangeable with prior models.
2. The valve body does not have the rooster comb, so reuse the original.
3. The valve body contains updated manual & pressure regulator valves and new governor pressure solenoid, and all other solenoids are tested.

CHRYSLER

45RFE (1999-Up)

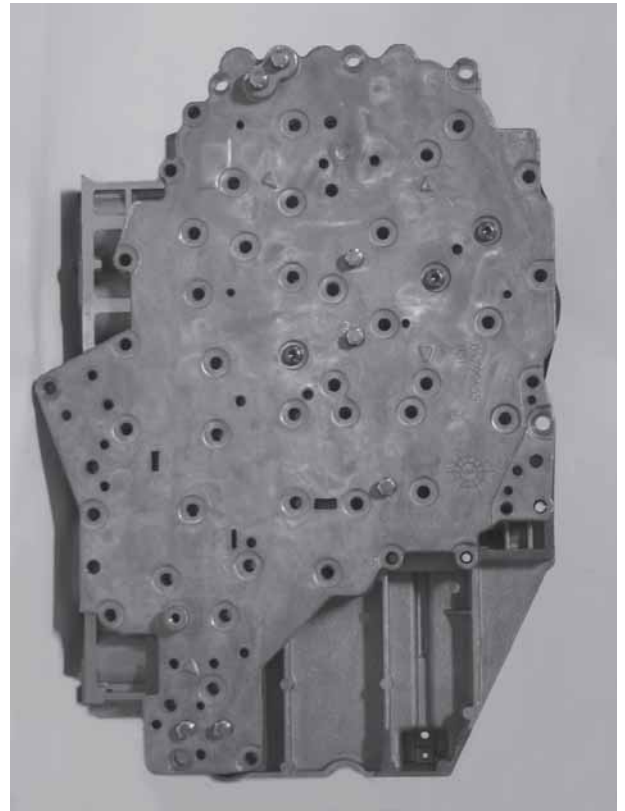
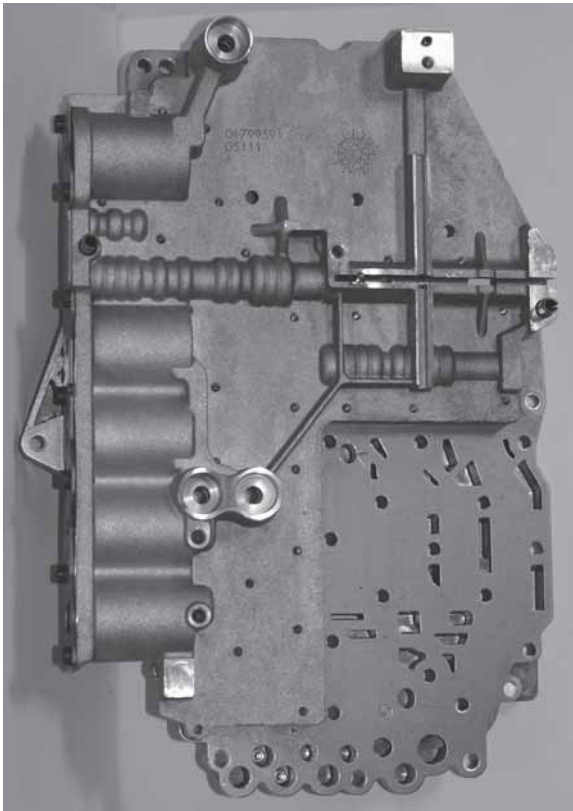
APPLICATION INFORMATION

TRANS	YEAR
45RFE	1999-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P87990	45RFE	99-Up	4 speed version	w/ updated end plate

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body does not contain the solenoid block **31A-103**.
2. The updated end plate is thicker and less likely to loosen and bend.



CHRYSLER

A404/670 (1981-Up)

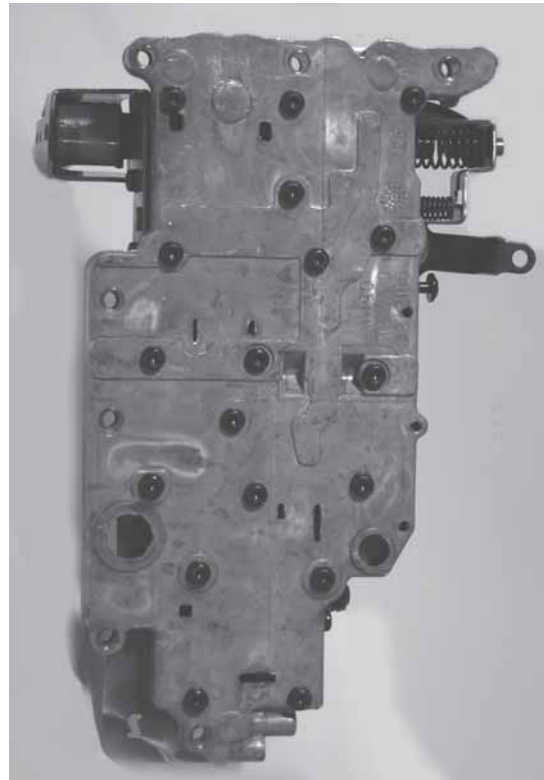
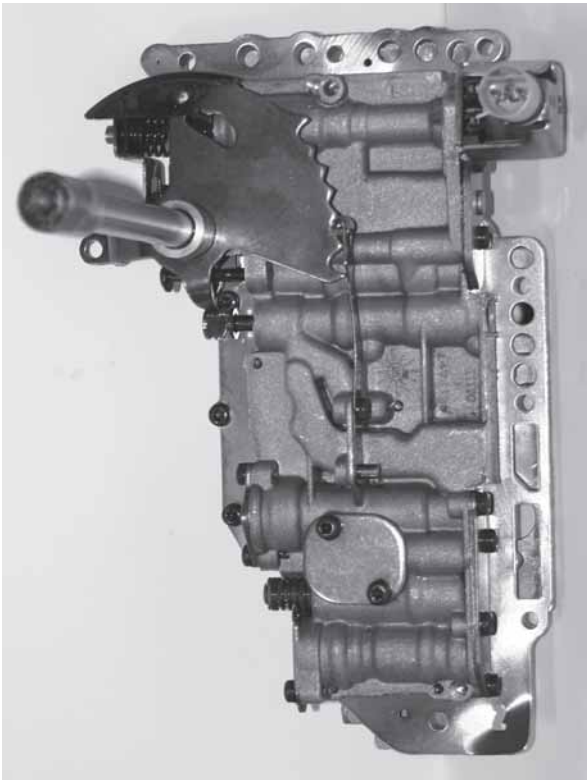
APPLICATION INFORMATION

TRANS	YEAR
A404/A670	1981-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P48990	A404/670	81-86	w/ non lockup	
P48990C	A404/670	87-Up	w/ lockup	w/ new solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Certain late model A670 lockup solenoids use a different connector, which is currently unavailable.

CHRYSLER

A604 (1988-Up)

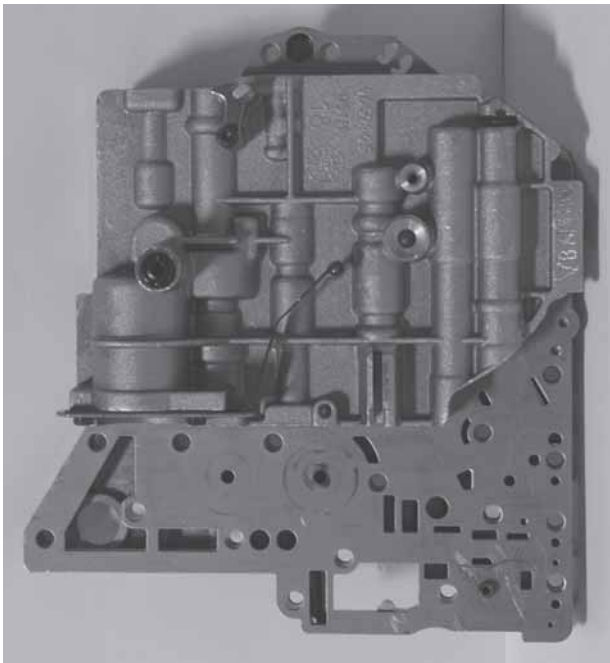
APPLICATION INFORMATION

TRANS	YEAR
A604	1988-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P72990	A604	88-95	w/ external PN/PRNDL	w/ updated converter regulator / switch valve
P72990B	A604	96-98	w/ internal MLPS (round pin)	w/ updated converter regulator / switch valve
P72990C	A604	98-Up	w/ internal DTR (spade terminal)	w/ updated converter regulator / switch valve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 1988-1995 A604 use external PN/PRNDL switches. The 1996-1998 A604 uses a single internal MLPS with round pin terminals (small diameter case seal). In mid 1998, the MLPS changed to a spade terminal DTR (large diameter case seal). A new MLPS/DTR is included (1).
2. Includes converter regulator valve & solenoid switch valve plugs, but does not include solenoid block.





CHRYSLER

A606 (1993-Up)

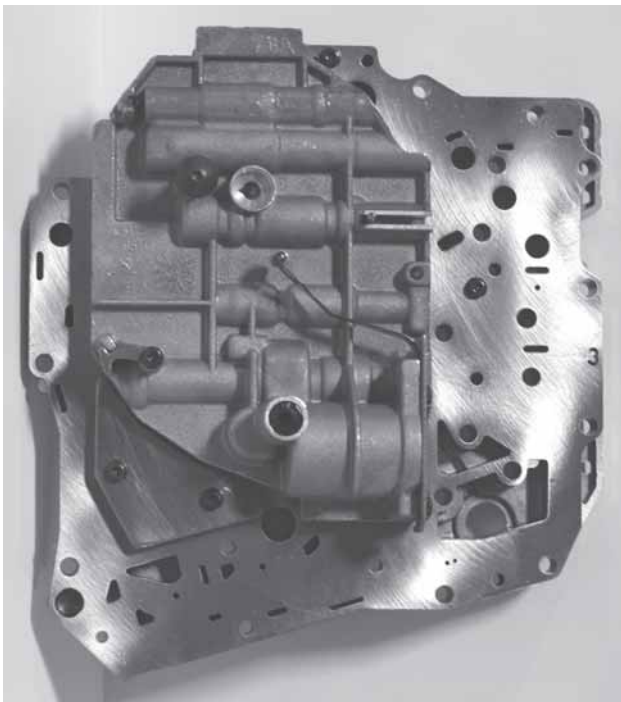
APPLICATION INFORMATION

TRANS	YEAR
A606	1993-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P72990E	A606	93-97	w/ internal MLPS (round pin)	w/ updated conv reg / switch valve
P72990D	A606	98-Up	w/ internal DTR (spade terminal)	w/ new MLPS / DTR

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The 1993-1997 A606 uses a single internal MLPS with round pin terminals (small diameter case seal). In 1998, the MLPS changed to a spade terminal DTR (large diameter case seal). A new MLPS/DTR is included (1).
2. Includes converter regulator valve & solenoid switch valve plugs, but does not include solenoid block.



CHRYSLER

KM SERIES (1989-Up)

APPLICATION INFORMATION

TRANS	YEAR
KM SERIES	1989-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P63990B	KM	89-Up	w/ low Ohms TCC solenoid	w/ spring kit / updated manual valve / reman solenoids
P63990D	KM	93-Up	w/ hi Ohms TCC solenoid	w/ spring kit / updated manual valve / reman solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Check the resistance of the lock-up solenoid. If resistance is between 2 & 4 Ohms, order **P63990B**. If resistance is between 13 & 15 Ohms, order **P63990D**. Incorrect application could cause the transaxle processor to be damaged. Valve bodies contain an exclusive KM 175-177 spring shift enhancement kit. The solenoid group is remanufactured.

IMPORTS - MAZDA

F4AEL (1990-1997)

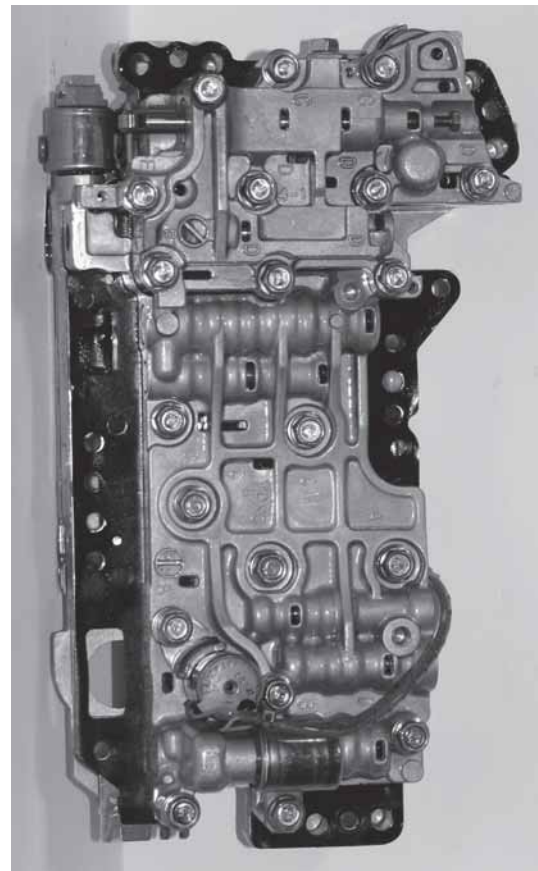
APPLICATION INFORMATION

TRANS	YEAR
F4AEL	1990-1997

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P84990	F4AEL	90-97	w/ 4 solenoids (cable control)	w/ updated PR / TCC valve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The pressure regulator / TCC valve trains have been updated to a better design.



IMPORTS - MAZDA

F4AEL (1997-Up)

APPLICATION INFORMATION

TRANS	YEAR
F4AEL (F4E-III)	1997-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P84990B	F4AEL	97-Up	w/ 5 solenoids (w/ tube) Ford/Mazda	w/ new EPC solenoid
P84990C	F4AEL	97-Up	w/ 5 solenoids (w/o tube) Ford/Mazda	w/ new EPC solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Valve bodies with or without the crossover delivery tube will interchange. Ford / Mazda applications use a small snout EPC solenoid. Kia uses a large snout EPC solenoid.
2. The pressure regulator / TCC valve trains have been updated to a better design.

IMPORTS - MAZDA/KIA

F4AEL (1997-Up) KIA

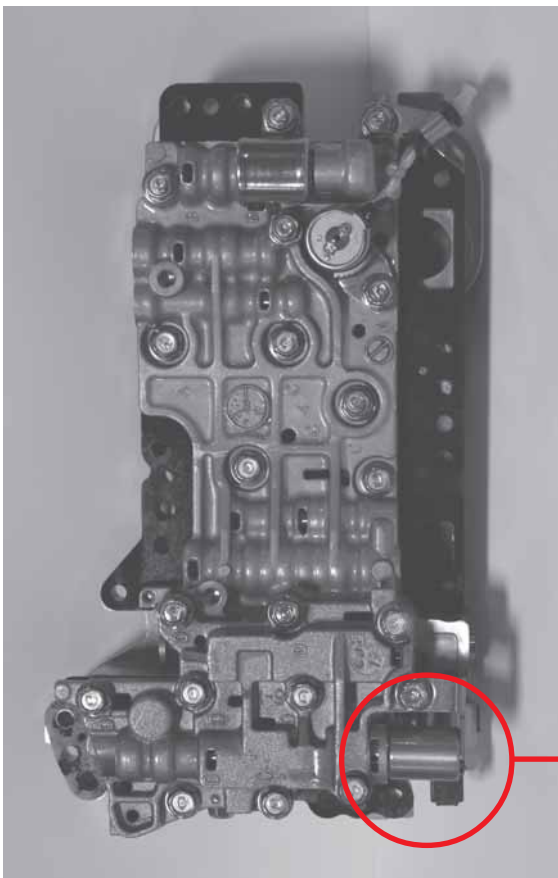
APPLICATION INFORMATION

TRANS	YEAR
F4AEL (F4E-III)	1997-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P84990K	F4AEL	98-Up	w/ 5 solenoids (w/ Kia design EPC solenoid)(1)	w/ new EPC solenoid

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Valve bodies with or without the crossover delivery tube will interchange. Ford / Mazda applications use a small snout EPC solenoid. Kia uses a large snout EPC solenoid (1).
2. The pressure regulator / TCC valve trains have been updated to a better design.



IMPORTS - MAZDA

G4AEL (1988-1992)

APPLICATION INFORMATION

TRANS	YEAR
G4AEL	1988-1992

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P74990	G4AEL	88-92	w/ 4 solenoids (cable control)	updated spring kit

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Valve bodies contain updated springs which enable smoother shifting.
2. All solenoids are tested. Must use original manual valve.

IMPORTS - MAZDA

GF4AEL (1993-Up)

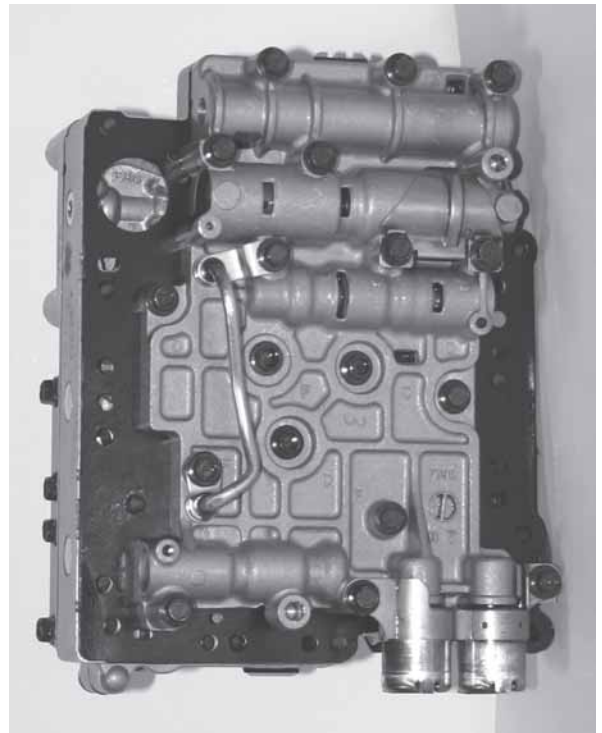
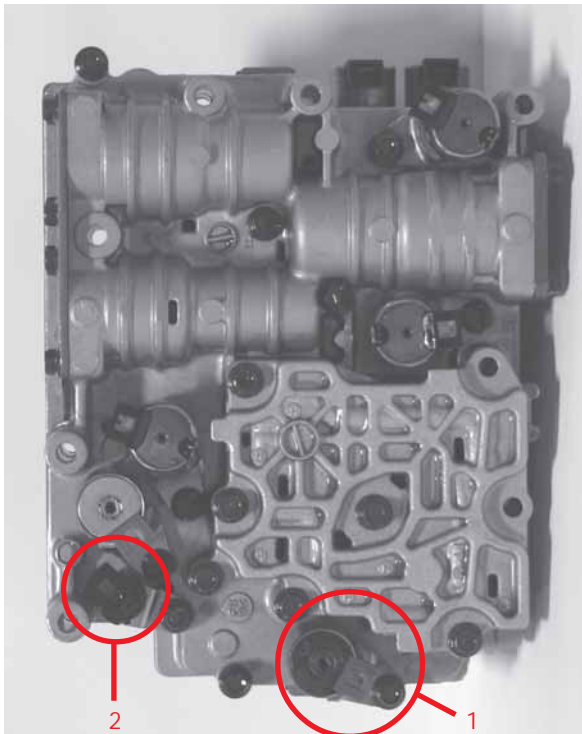
APPLICATION INFORMATION

TRANS	YEAR
GF4AEL	1993-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P74990B	GF4AEL	93 - Up	w/ 7 solenoids (wire type TOT) (1)	various spring modifications / w/ new EPC
P74990C	GF4AEL	93 - Up	w/ 7 solenoids (plug type TOT) (1)(2)	various spring modifications / w/ new EPC
P74990D	GF4AEL	95 - Up	w/ 6 solenoids (wire type TOT)	various spring modifications / w/ new EPC
P74990E	GF4AEL	95 - Up	w/ 6 solenoids (plug type TOT) (2)	various spring modifications / w/ new EPC

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Count the number of solenoids to determine which valve body is needed for your application. Valve bodies contain updated springs which enable smoother shifting. When ordering a 6 or 7 Solenoid G4A, identify whether the valve body has a solid or wired temperature sensor (2). Must use original manual valve.



IMPORTS - MAZDA

R4A-EL (1989-Up)

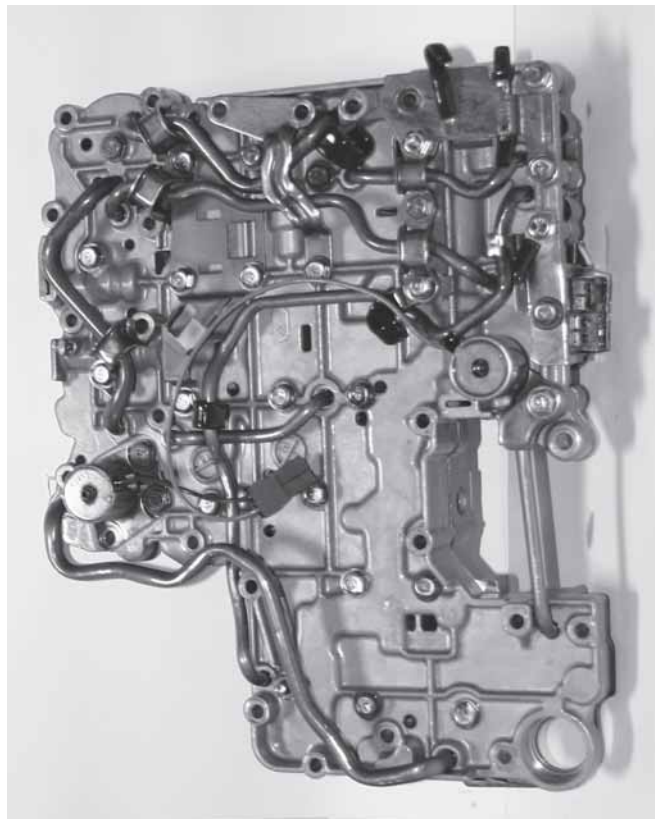
APPLICATION INFORMATION

TRANS	YEAR
R4A-EL	1989-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P78990B	R4A-EL	89 - 98	w/ 5 solenoids	various spring updates / reman solenoids
P78990D	R4A-EL	92 - up	w/ 6 solenoids	various spring updates / reman solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The six solenoid design provides a PWM TCC apply.
2. There have been several spring changes, along with 1 **VB-Xtra** update, and a remanufactured solenoid group.

IMPORTS - NISSAN

RE4R01A (1987-Up)

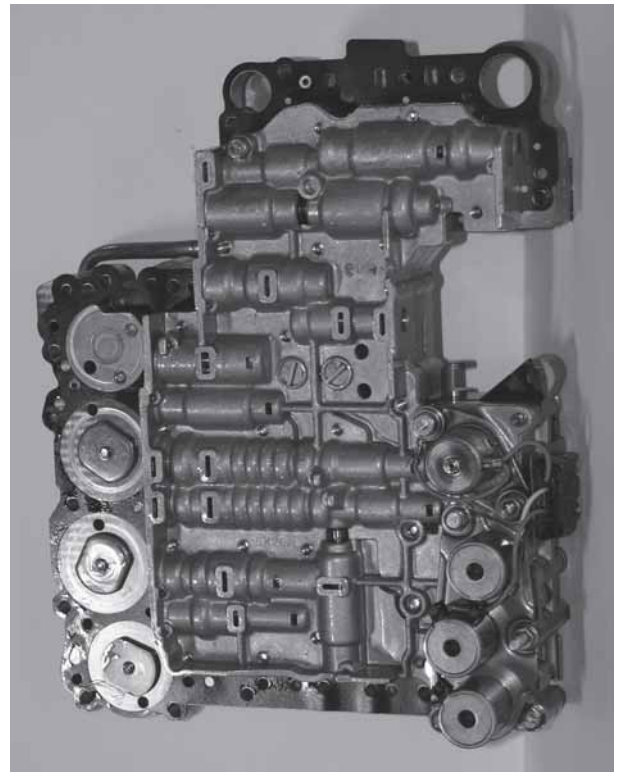
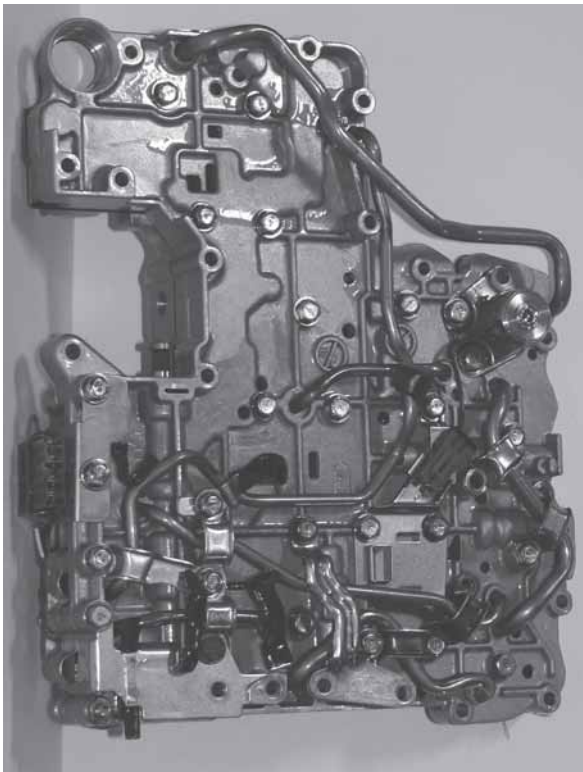
APPLICATION INFORMATION

TRANS	YEAR
RE4R01A	1987-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P78990	RE4R01A	87 - up	w/ 5 solenoids (electronic)	various spring modifications / reman solenoid group

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. RE4R01A Valve Bodies contain exclusive updates that prevent open throttle slipping and allow the transmission to shift more efficiently.
2. There are several spring changes, along with 1 VB-Xtra update and a remanufactured solenoid group.



IMPORTS - NISSAN

RL4R01A (1987-Up)

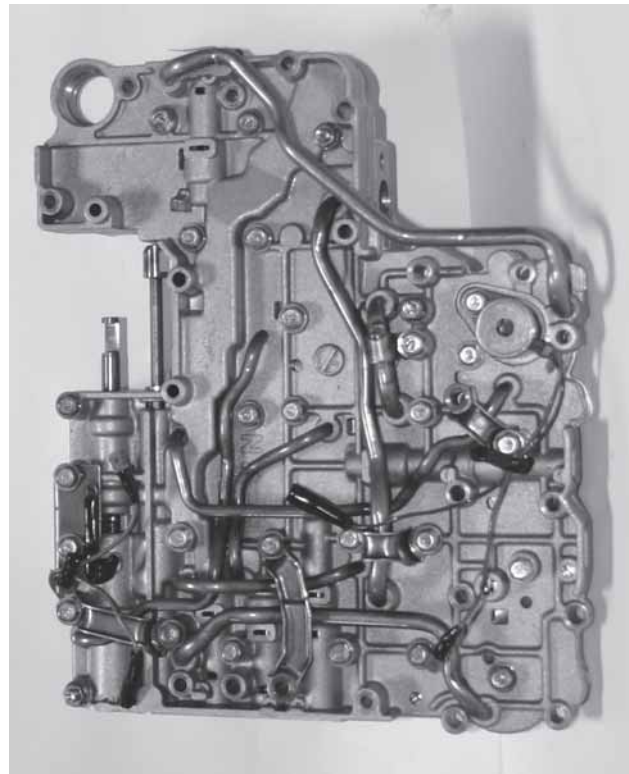
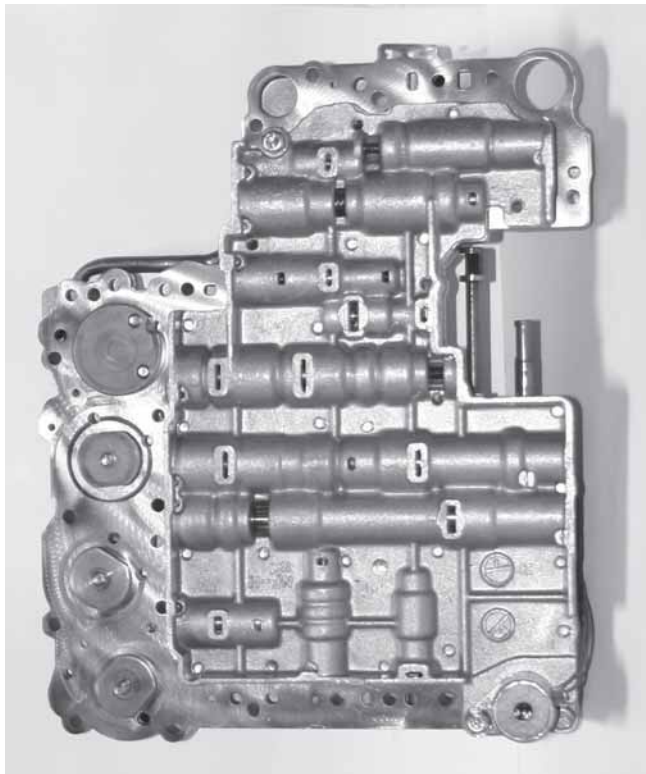
APPLICATION INFORMATION

TRANS RL4R01A	YEAR 1987-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P78990A	RL4R01A	87 - up	w/ 2 solenoids (hydraulic w/ governor)	various spring modifications / tested solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. RL4R01A Valve Bodies contain exclusive updates that prevent open throttle slipping and allow the transmission to shift more efficiently.
2. There are several spring changes, along with 1 **VB-Xtra** update and tested solenoids.

IMPORTS - NISSAN

RE/RL4F02A (1985-Up)

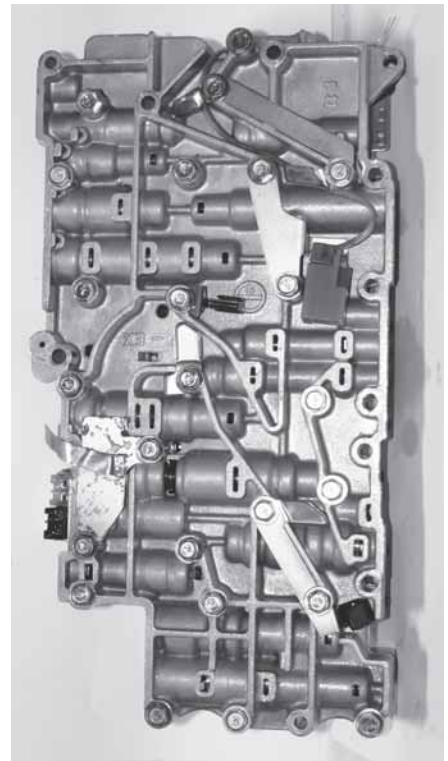
APPLICATION INFORMATION

TRANS	YEAR
RE/RL4F02A	1985-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P68990	RL4F02A	85 - Up	w/ hydraulic control (governor)(2 solenoids)	various spring modifications
P68990E	RE4F02A	88 - Up	w/ electronic control (5 solenoids)	various spring modifications

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. RE/RL4F02A Valve Bodies contain exclusive updates that prevent open throttle slipping and allow the transmission to shift more efficiently and has 2 spring changes.
2. The valve body contains 1 **VB-Xtra** update. The **P68990E** has remanufactured solenoids and the **P68990** solenoids are tested.



IMPORTS - NISSAN

JR403E (1988-Up)

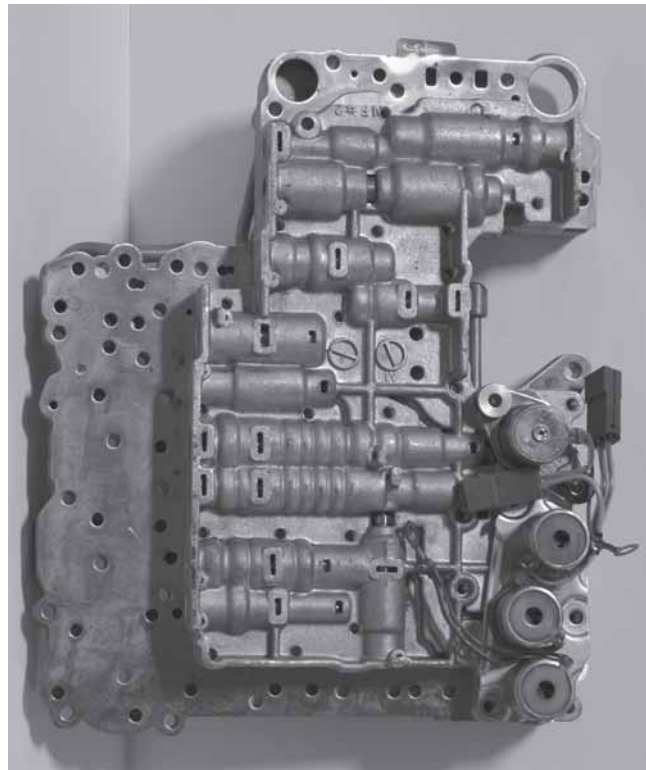
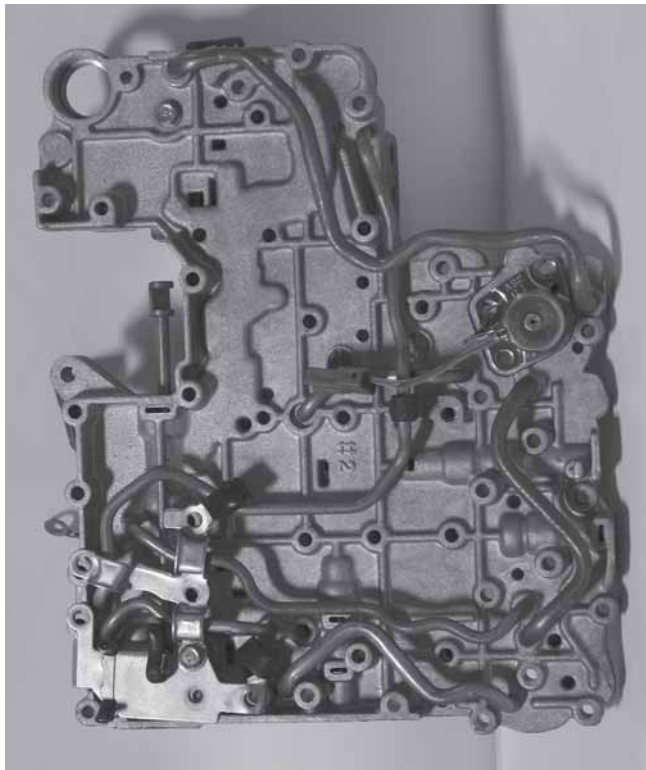
APPLICATION INFORMATION

TRANS	YEAR
JR403E	1988-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P80990	JR403E	88 - Up	w/ 5 solenoids (truck)	various spring modifications

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The JR403E valve bodies contain exclusive updates that prevent open throttle slipping and allow the transmission to shift more efficiently.
2. Early model solenoid connectors (1 dual / 2 single wire) are no longer available and must be updated to the current design (2 dual wire) by reusing 1 original single connector and splitting the 2 specific wires.
3. There are several spring changes, along with 1 **VB-Xtra** update and a remanufactured solenoid group.



IMPORTS - NISSAN

RE4F04A (1992-Up)

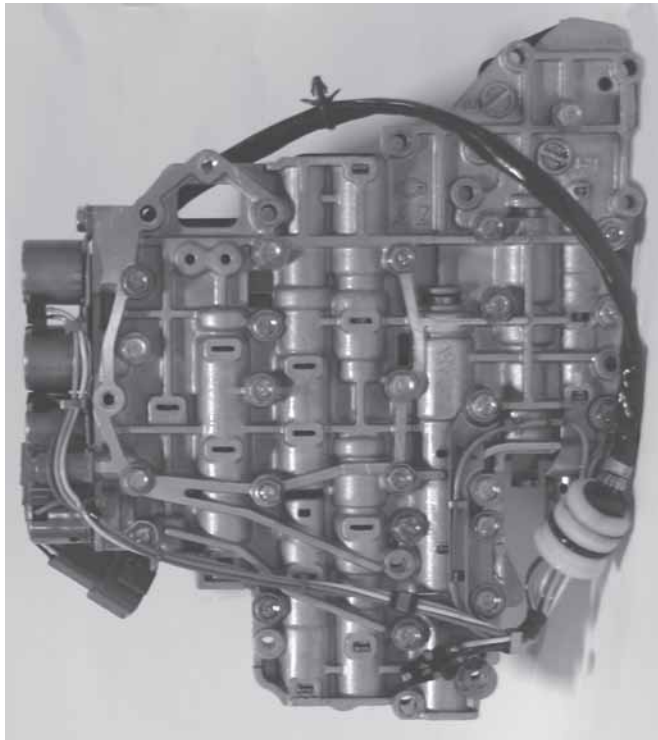
APPLICATION INFORMATION

TRANS	YEAR
RE4F04A	1992-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P82990D	RE4F04A	92 - Up	w/ long wire solenoid group	various spring modifications

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The RE4F04A valve bodies contain exclusive updates that prevent open throttle slipping and allow the transmission to shift more efficiently.
2. The RE4F04B models are similar to the RE4F04A, but are not interchangeable. RE4F04B solenoid wires are short, while the RE4F04A solenoid wires are long.
3. There are 2 spring changes and 1 **VB-Xtra** update, along with the remanufactured solenoid group.



IMPORTS - SUBARU

R4AX-EL (1987-1998)

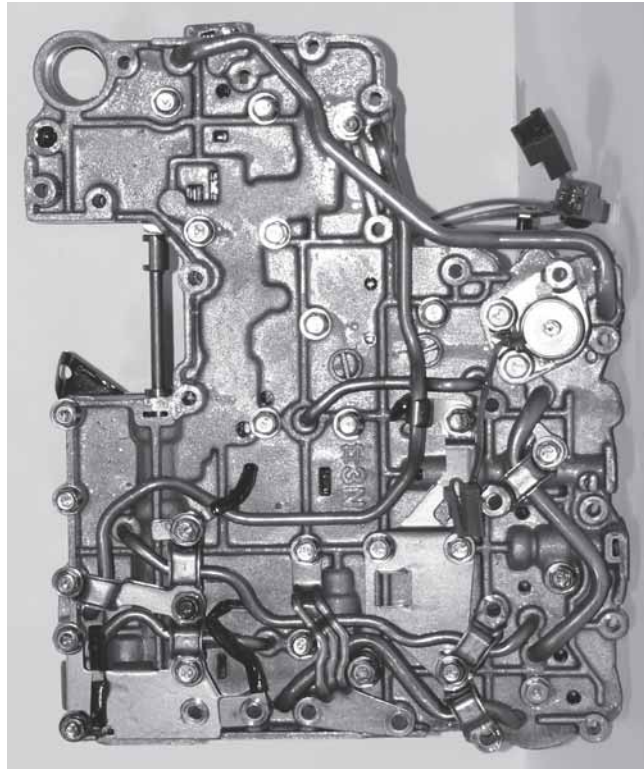
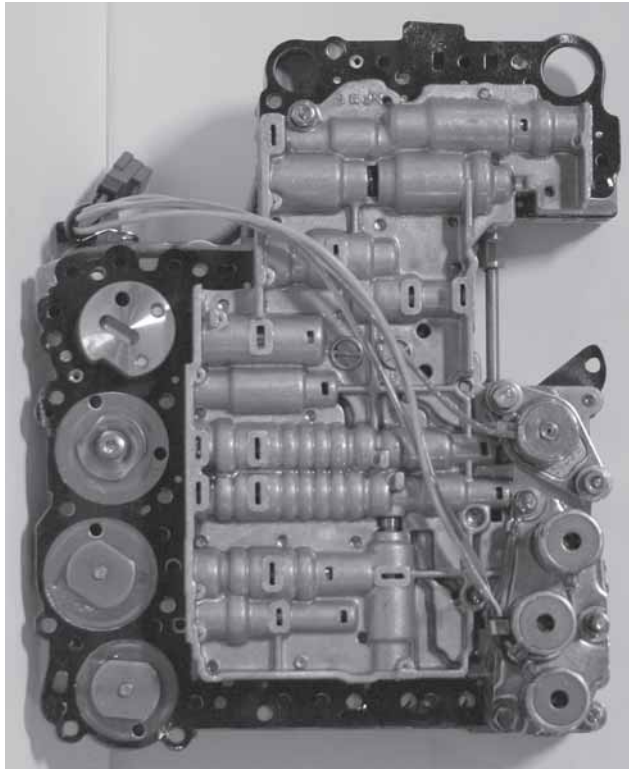
APPLICATION INFORMATION

TRANS	YEAR
R4AX-EL	1987-1998

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P77990A	R4AX-EL	87 - 98	first design trans (no spin-on filter) 5 solenoids	various spring modifications

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. In mid-98, a second design transmission was released on certain models. The second design transmission has an external spin-on filter and seven solenoids on the valve body.
2. There are several spring changes, along with 1 **VB-Xtra** update and a remanufactured solenoid group.

IMPORTS - TOYOTA

A540 (1988-Up)

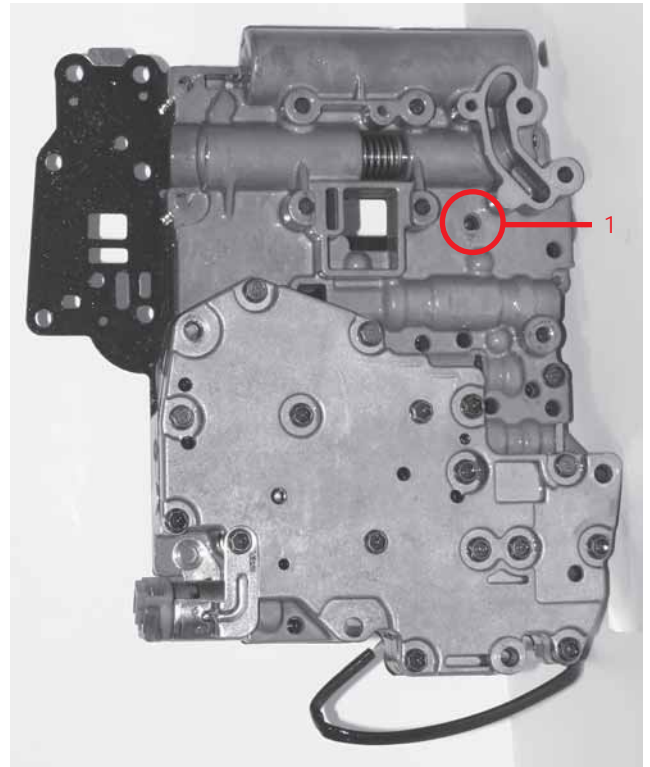
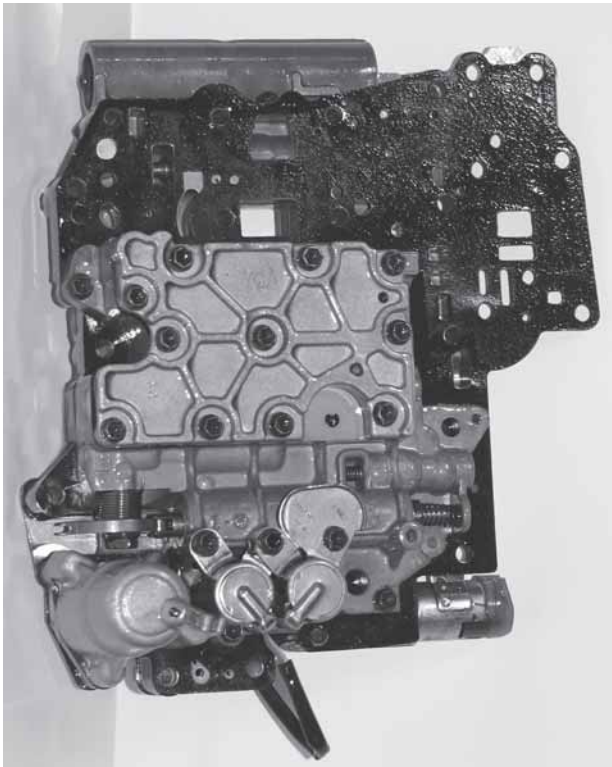
APPLICATION INFORMATION

TRANS	YEAR
A540	1988-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P75990	A540	88 - up	A540E 3 solenoid w/ tube (1)	w/ updated boost valve /sleeve
P75990B	A540	88 - up	A540E 3 solenoid w/o tube (1)	w/ updated boost valve /sleeve
P75990H	A540	88 - up	A540H 4 solenoid (AWD)	w/ updated boost valve /sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The valve body without the additional tube will have the hole (1) plugged or cast shut. A540H valve bodies have a 4th solenoid to operate the transfer clutch and is not the same as A541.
2. There are several spring changes, 1 VB-Xtra update, and the solenoid group has been tested.



IMPORTS - TOYOTA

A541E (1994-Up)

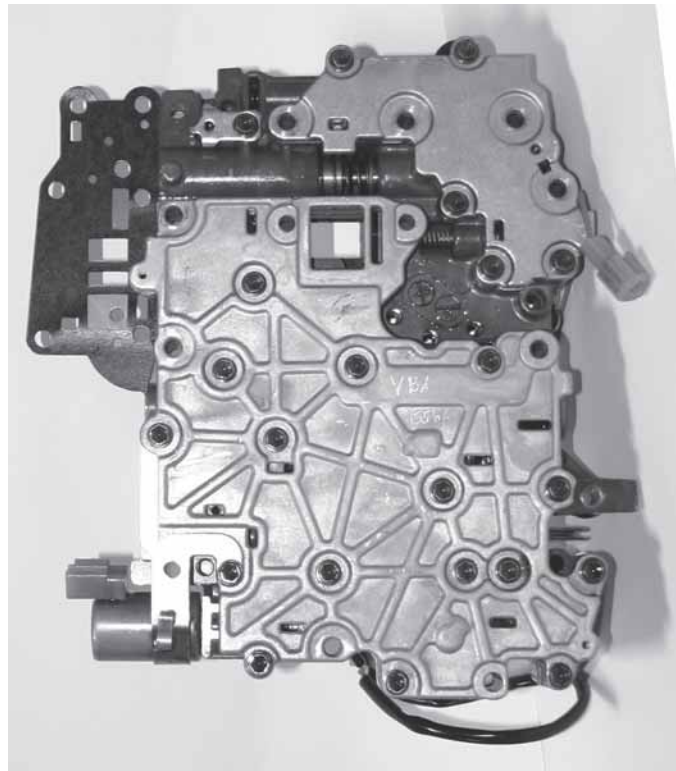
APPLICATION INFORMATION

TRANS	YEAR
A541E	1994-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P75990K	A541E	94 - up	A541E 4 solenoid w/ tube	w/ updated boost valve / sleeve

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. The A541E transmission uses a 36T, 2nd brake / L-R brake frictions. A540E uses a 33T design friction.
2. There are several spring changes, 1 **VB-Xtra** update, and the solenoid group has been tested.

IMPORTS - VOLKSWAGEN

AG4 (095/096/097/098) (1990-1994)

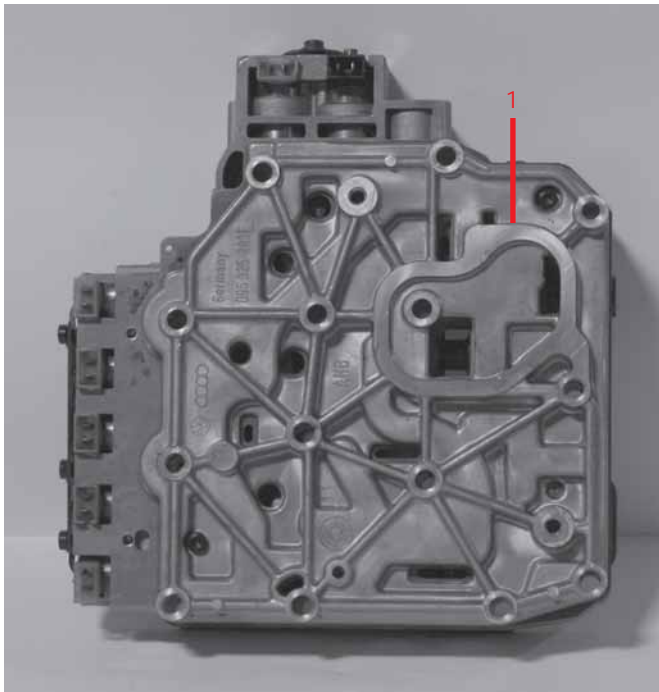
APPLICATION INFORMATION

TRANS	YEAR
AG4 (095/096/097/098)	1990-1994

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P79990	095 / 096	90 - 94	Damper type convertor	w/ various modifications / new end plugs / tested solenoids

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Look at the shape of the filter inlet (1). Note the kidney shape of the inlet. It is different from the VW 01M.
2. Damper type converter model valve bodies use 1 PWM / 6 On-Off solenoids. Lockup models use 2 PWM / 5 On-Off solenoids. Valve bodies are cast 095 or 01M for identification.
3. The valve bodies have 2 **VB-Xtra** updates, all new updated end plugs and all solenoids are tested.



IMPORTS - VOLKSWAGEN

AG4 (01M/01N/01P) (1994-Up)

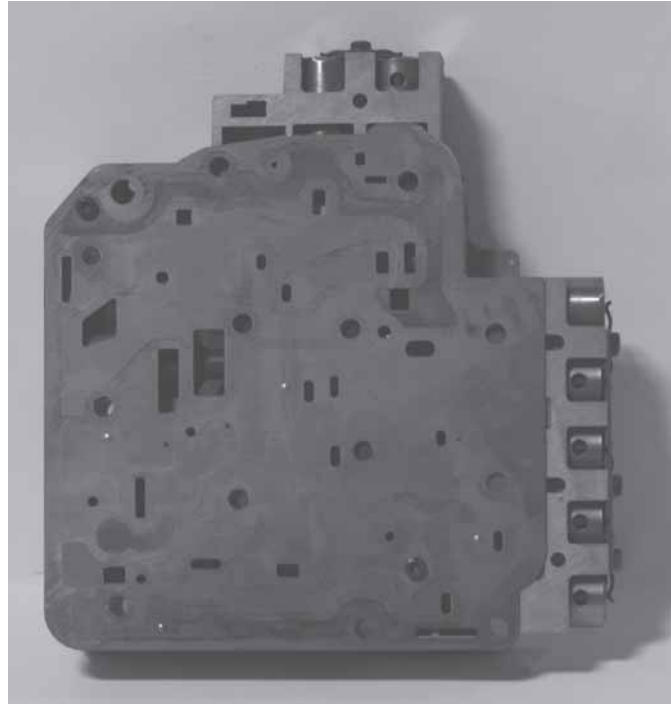
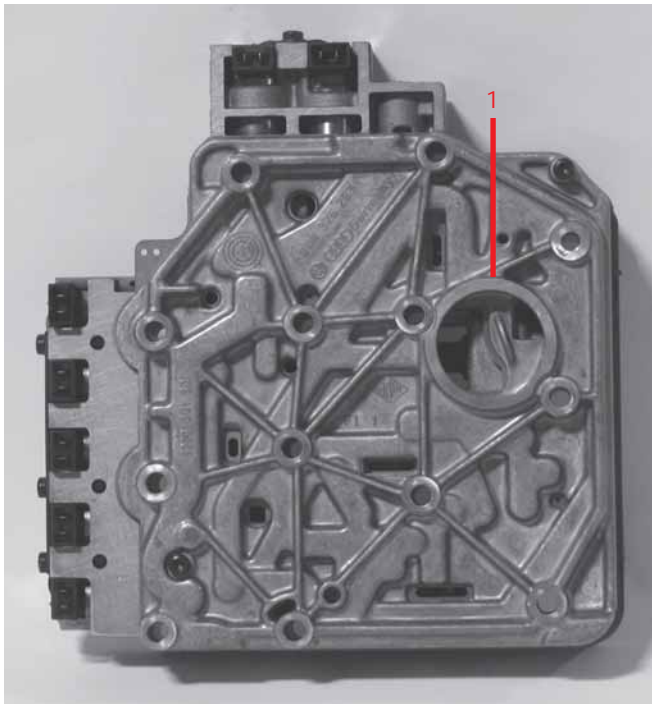
APPLICATION INFORMATION

TRANS	YEAR
AG4 (01M/01N/01P)	1994-Up

PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P79990B	AG4	94-96	lock-up type converter	w/ new EPC solenoid / updated TCC valve / end plugs
P79990D	AG4	97-98	lock-up type converter	w/ new EPC solenoid / updated TCC valve / end plugs
P79990F	AG4	99-Up	lock-up type converter	w/ new EPC solenoid / updated TCC valve / end plugs

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. Look at the shape of the filter inlet (1). Note the round shape of the inlet. It is different from the VW 095/096.
2. Damper type converter model valve body use 1 PWM / 6 On-Off solenoids. Lockup models use 2 PWM / 5 On-Off solenoids. Valve bodies are cast 095 or 01M for identification.
3. The valve bodies have an updated lockup valve, 2 **VB-Xtra** updates, new updated end plugs and a new EPC solenoid. All other solenoids have been tested.

IMPORTS - ZF

ZF5HP30 (1991-Up)

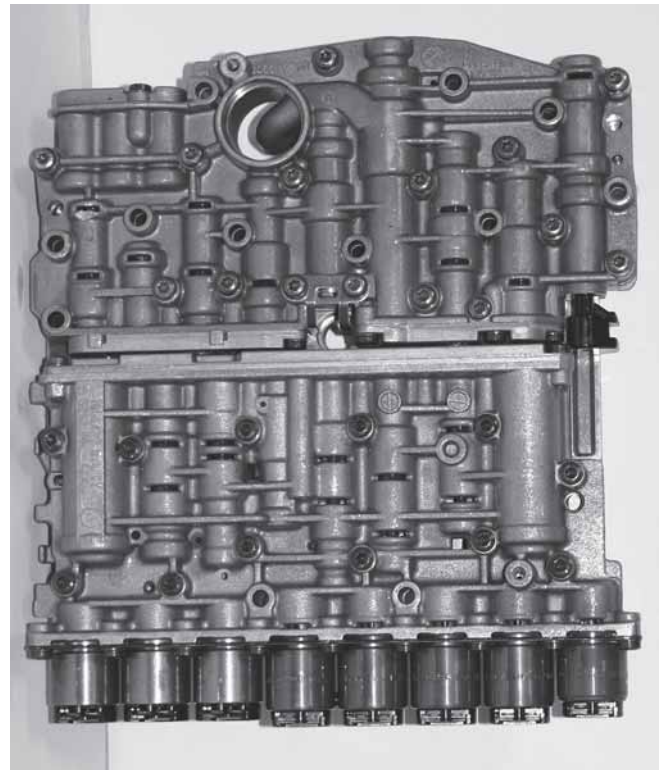
APPLICATION INFORMATION

TRANS ZF5HP30	YEAR 1991-Up
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PART INFORMATION

PART #	TRANS	YEAR	DESCRIPTION	MODIFICATIONS/ADDITIONS
P56990T	5HP30	91 - up	5 speed	w/ ZF OEM valve body kit

VALVE BODY IMAGE



ADDITIONAL INFORMATION

1. It is recommend to replace the two speed sensors (20A-380).
2. Contains a complete ZF spring kit, and all solenoids are tested.



Guaranteed remanufactured Valve Bodies by *VBX*TM

Saturn TAAT Valve Bodies by *VBX*.

If you are tired of experiencing the classic problems with Saturn TAAT valve bodies, (i.e., low line pressure, no reverse, delayed reverse engagement and/or 3rd gear inefficiency), meet your new alternative, guaranteed remanufactured Saturn TAAT Valve Bodies by **VBX**.

Saturn TAAT valve bodies typically fail after approximately 70,000 miles of usage. Approximately 75% of failures can be attributed to excessive wear in the pressure regulator bore due to the continuous oscillation of the valve. The constant oscillation cuts into the bore, leaving a gap that significantly reduces line pressure in the transaxle. After years of R&D, **VBX** designed the ultimate fix for this problem. All contents are removed from the pressure regulator area of the valve body and the bore is reamed on a milling machine with a carbide reamer to guarantee a perfect cut. A new oversized **VB-Xtra** hardened valve, produced exclusively by **VBX**, is installed, along with new springs designed to tolerate the increased weight of the valve. The fully rebuilt valve body arrives at your location, complete with solenoids that have been digitally tested for integrity & efficiency. It is tested and "ready to go" right out of the package. (note: The original manual valve & detent lever must be used). Your time is money. Performing this process for yourself could easily cost you more in parts and labor than purchasing a guaranteed remanufactured Saturn valve body from Transtar.

CD4E Valve Bodies by *VBX*.

CD4E valve bodies are notorious for worn bore problems. A worn CD4E valve body lacking proper line rise and TCC application is a comeback waiting to happen if it is not properly rebuilt. Let Transtar reduce your comebacks with guaranteed remanufactured CD4E Valve Bodies by **VBX**.

All CD4E valve bodies remanufactured by **VBX** contain the Sonnax oversized pressure regulator valve and oversized bypass clutch control valve kit. All reaming procedures are performed with hardened carbide reamers on milling machine to assure a true, perfect bore every time. The entire valve body is completely rebuilt. Bores are polished, springs and valves are replaced when necessary and new gaskets are installed. Its easy to see why the CD4E is one of the top selling guaranteed remanufactured valve bodies. When you consider your parts expense and labor time, it is definitely more cost effective for you to purchase this valve body from Transtar.

Please note that when contemplating the purchase of a solenoid block, the answer is very clear. Any CD4E valve body with 75,000 or more miles should receive a new, OEM solenoid block. There is nothing worse than coupling a remanufactured valve body with a used solenoid block. (note: CD4E valve bodies are available with or without the solenoid block).

4R44E, 4R55E & 5R55E Valve Bodies by *VBX*.

Chances are you have experienced the frustration of TCC application codes and/or the check engine light that never seems to want to go out. Let Transtar eliminate your frustration with guaranteed remanufactured 4R44E, 4R55E & 5R55E Valve Bodies by **VBX**.

Most electrical problems with this valve body are virtually eliminated by the stringent remanufacturing and testing procedures utilized by **VBX**. The most important step in the remanufacturing process is installing a new OEM EPC solenoid. **VBX**, research has shown that over 85% of used EPC's do not meet testing criteria for optimum performance, thus the reason for their insistence on a new EPC. This valve body receives an updated EPC bracket and the pressure regulator valve and sleeve are replaced. Finally this valve body contains seven additional **VB-Xtra** updates that are exclusive to this guaranteed remanufactured valve body.

All shift solenoids and lockup solenoids are tested three different ways. First, they are individually tested on a regular, analog Sol-X for efficiency. They are then individually test on a digital Sol-X for amperage and calibration. Finally they are tested on the valve body testing machine, as part of the finished remanufactured valve body, so you can rest assured that the product is going to get your customer back on the road.