



CHECKBALL BOOK *Import Volume I*

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Updated
October, 2003

INTRODUCTION

IMPORT CHECKBALL BOOK VOLUME I

This booklet contains the checkball locations, screen locations, check valve locations, and relief valve locations, for the upper and lower valve bodies, and the accumulator housing if it contains one of the above. We have also covered any updated information and any changes that may have occurred in the many different model years. This booklet contains some of the Imported transmissions that we have seen in North America. Refer to the Index page for exact transmission models covered.

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*The information and part numbers contained in this booklet have
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CHECKBALL BOOK *Import Volume I*

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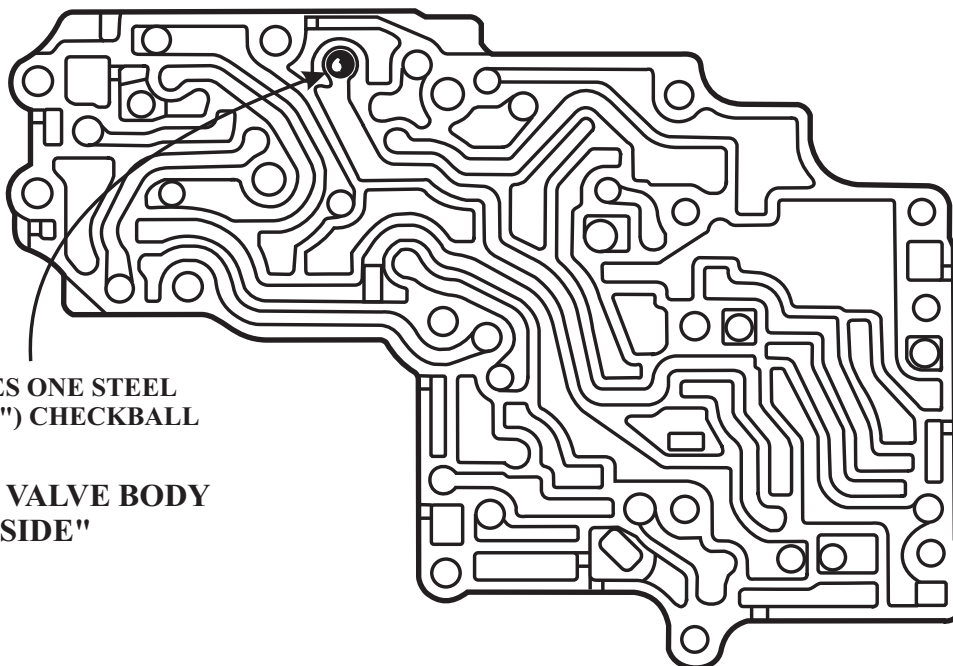
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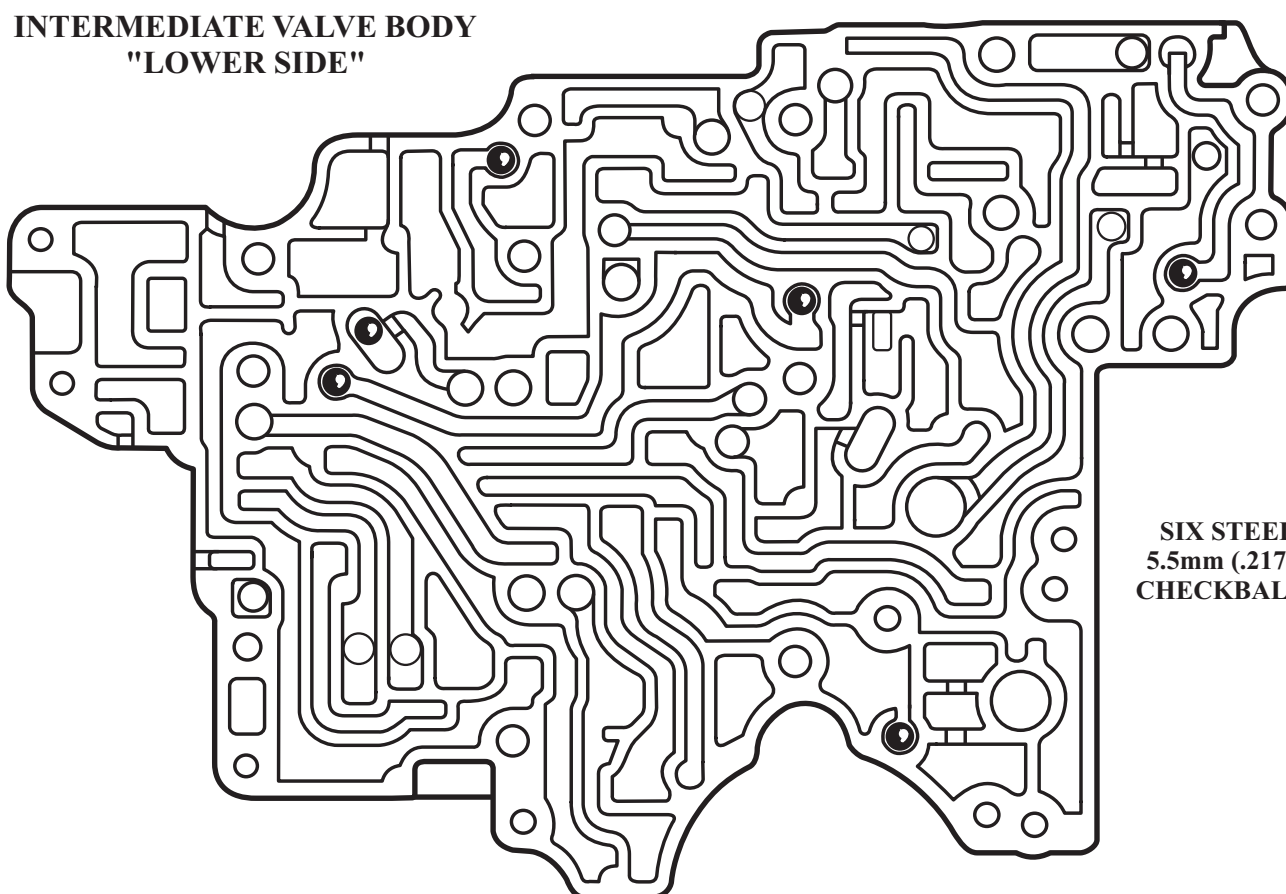
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GEO STORM JF403E INTERMEDIATE VALVE BODY



REQUIRES ONE STEEL
5.5mm (.217") CHECKBALL

**INTERMEDIATE VALVE BODY
"UPPER SIDE"**



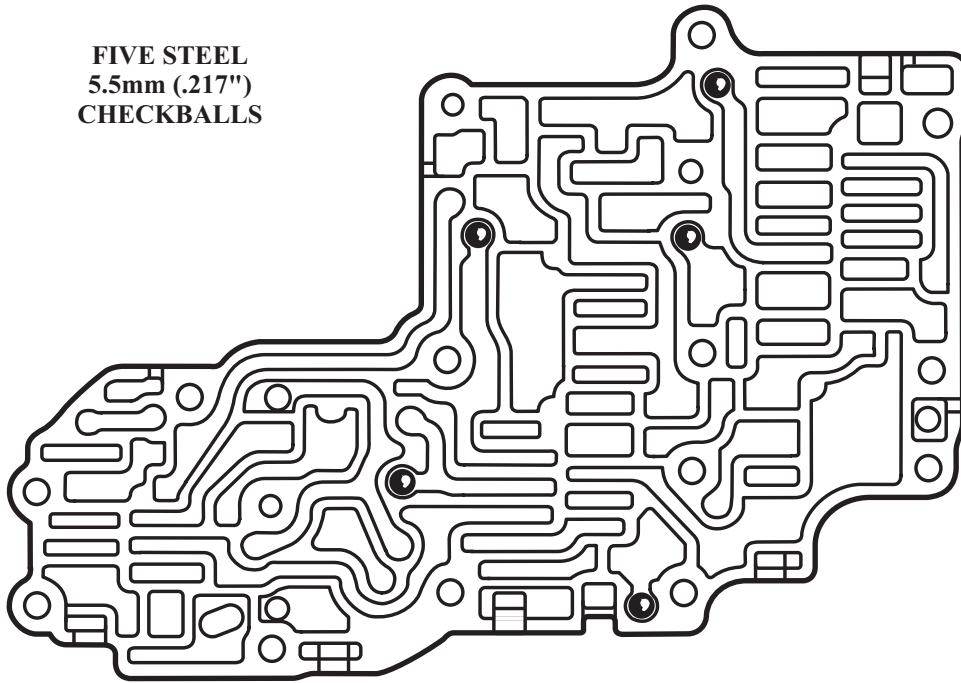
**INTERMEDIATE VALVE BODY
"LOWER SIDE"**

SIX STEEL
5.5mm (.217")
CHECKBALLS

GEO STORM JF403E
UPPER VALVE BODY

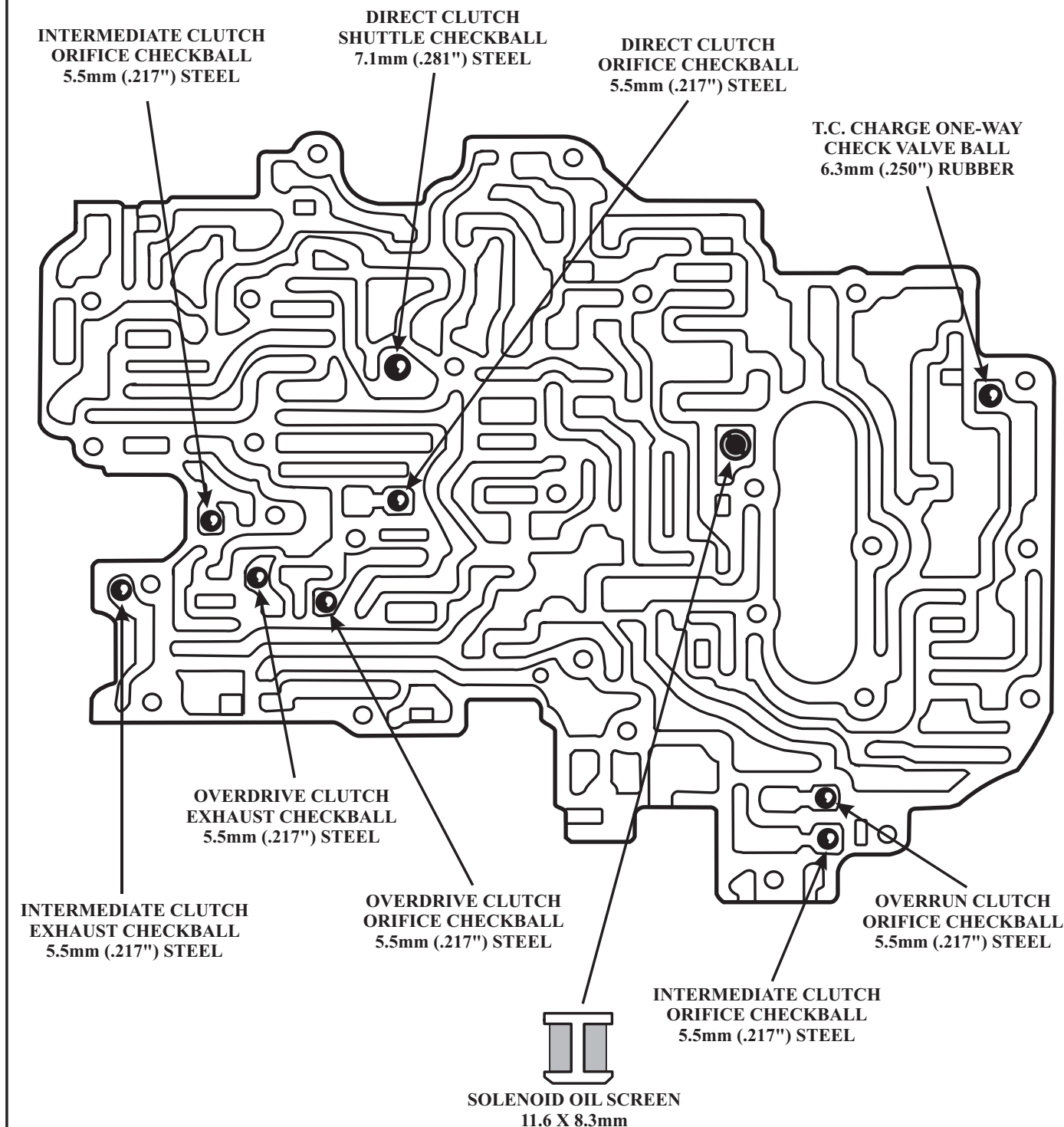
UPPER VALVE BODY

FIVE STEEL
5.5mm (.217")
CHECKBALLS



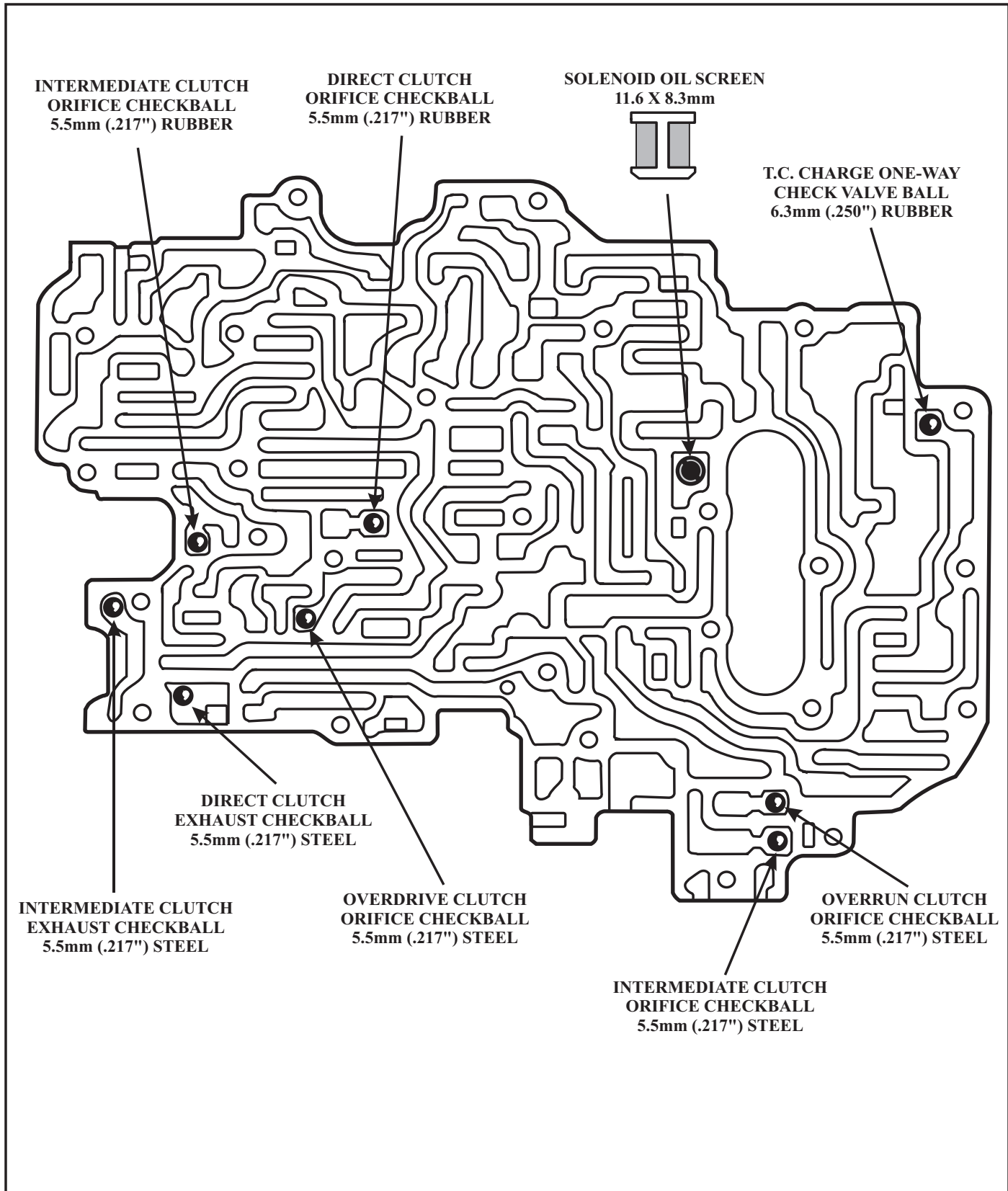
ISUZU TROOPER WITH AW-3080LE TRANSMISSION CHECKBALL LOCATIONS, 88-89 MODELS ONLY

ProCarManuals.com



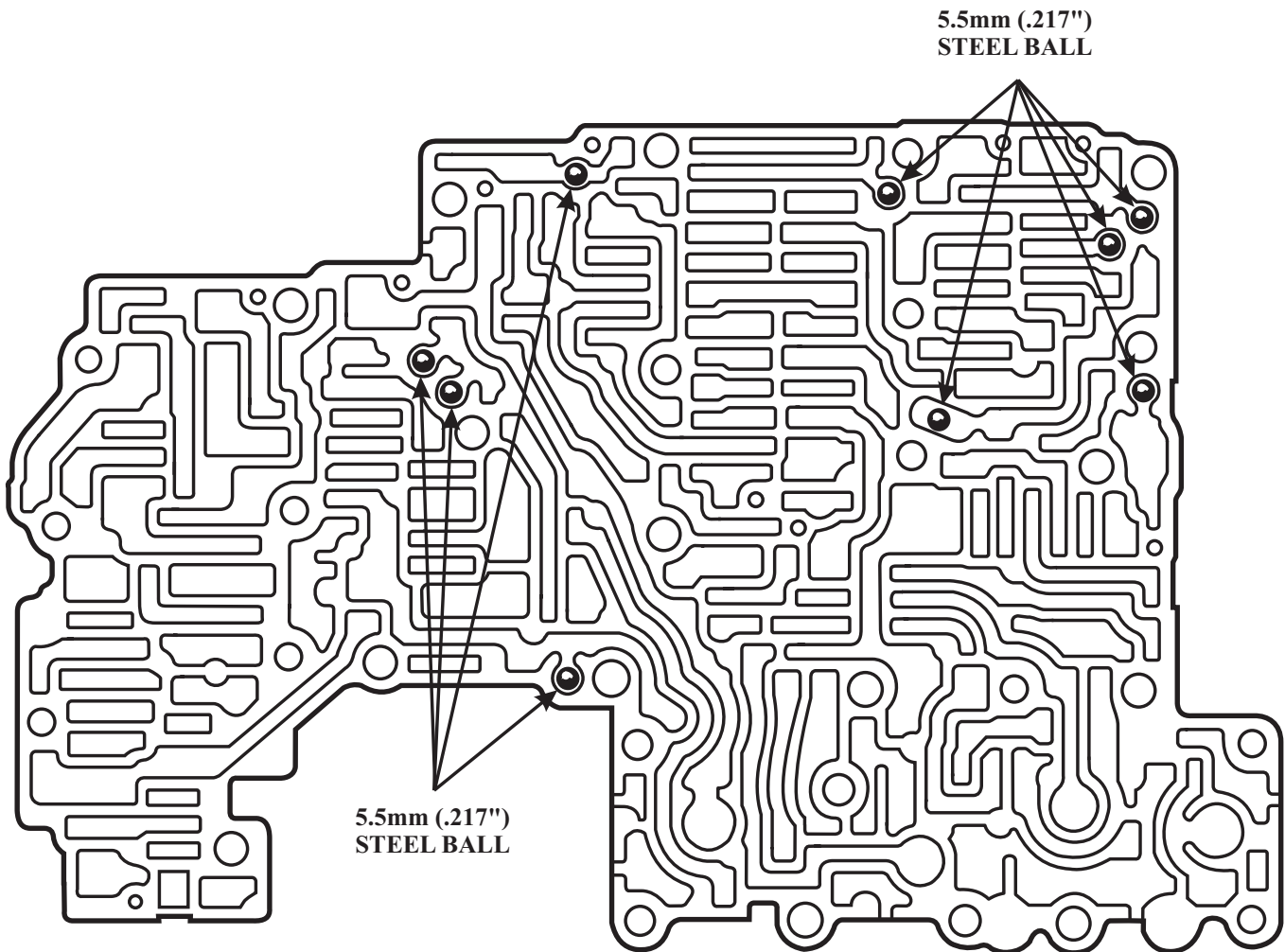
ISUZU TROOPER WITH AW-3080LE TRANSMISSION CHECKBALL LOCATIONS, 90-91 MODELS ONLY

ProCarManuals.com



ISUZU AND G.M. TILTMMASTER TRUCKS JR403-E CHECKBALL LOCATIONS

**MAIN VALVE BODY
REQUIRES NINE CHECKBALLS**



ISUZU AND G.M. TILTMETER TRUCKS JR403-E SCREEN AND ORIFICE LOCATIONS

"LOWER" VALVE BODY

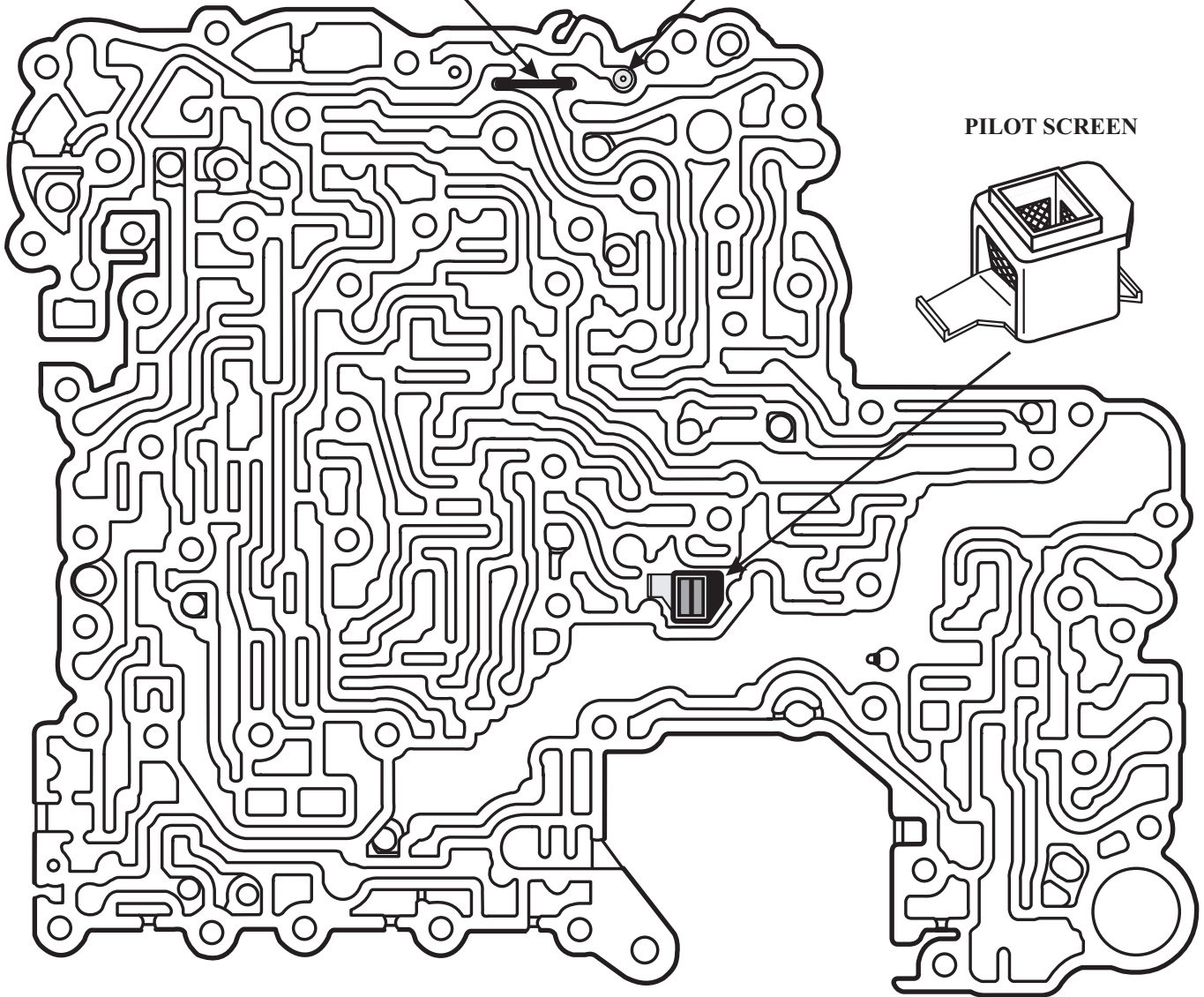
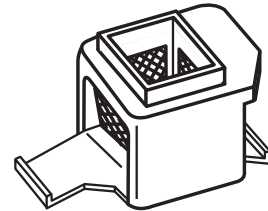
ACCUMULATOR SCREEN
(Not used all models)



ORIFICE CUP PLUG
AND SPRING

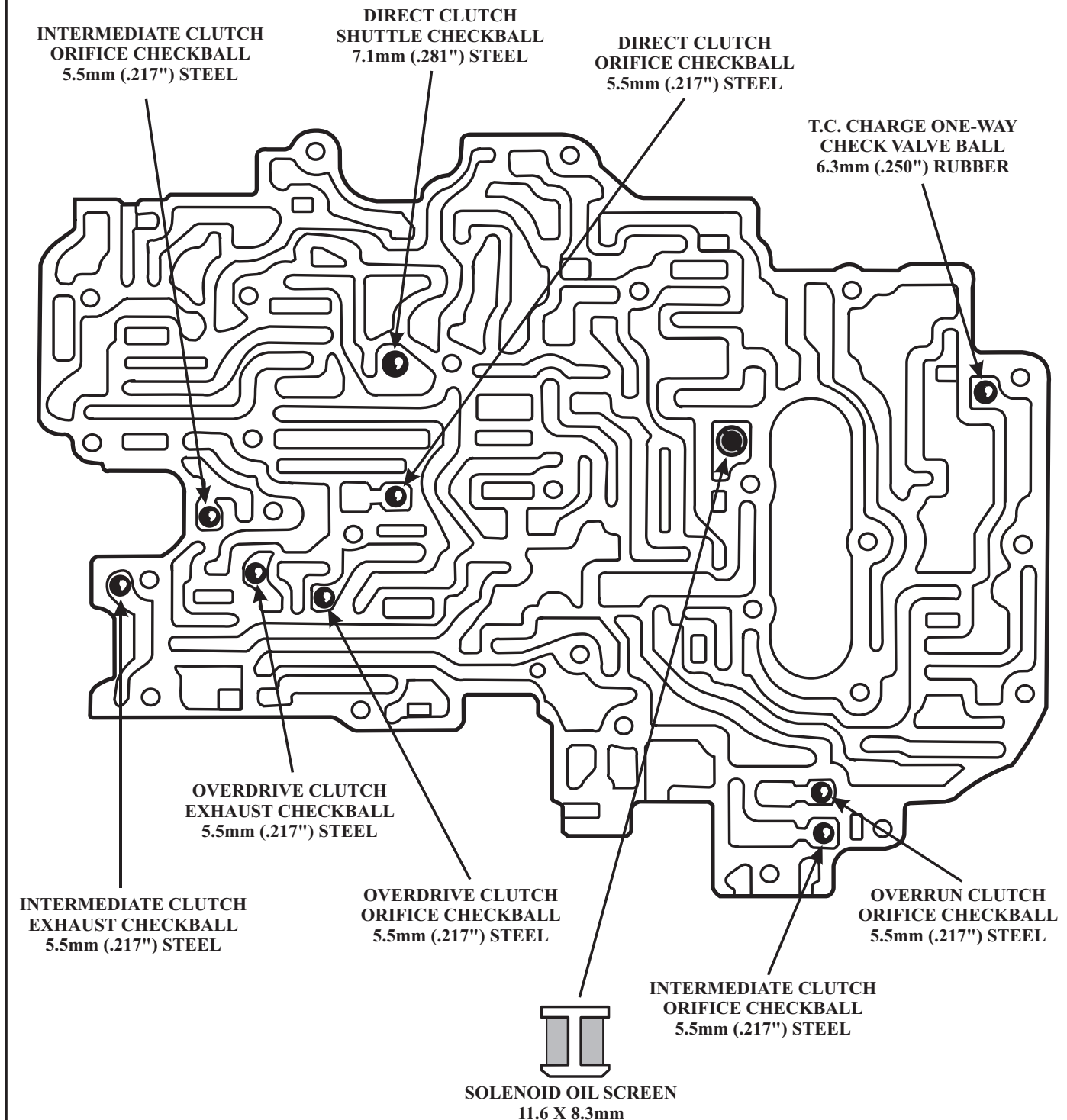


PILOT SCREEN



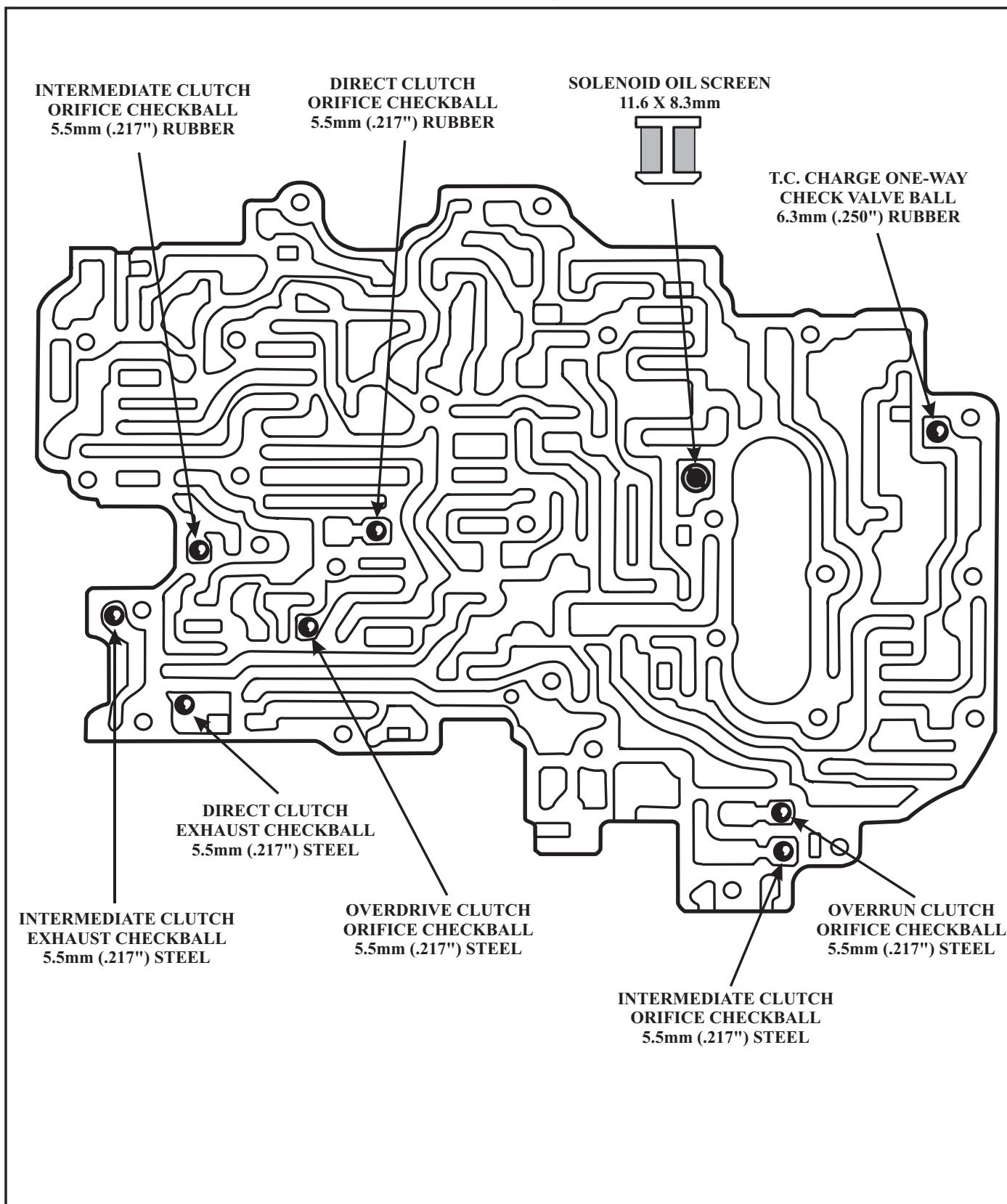
JEEP CHEROKEE WITH AW-4 TRANSMISSION CHECKBALL LOCATIONS, 87-89 MODELS ONLY

ProCarManuals.com

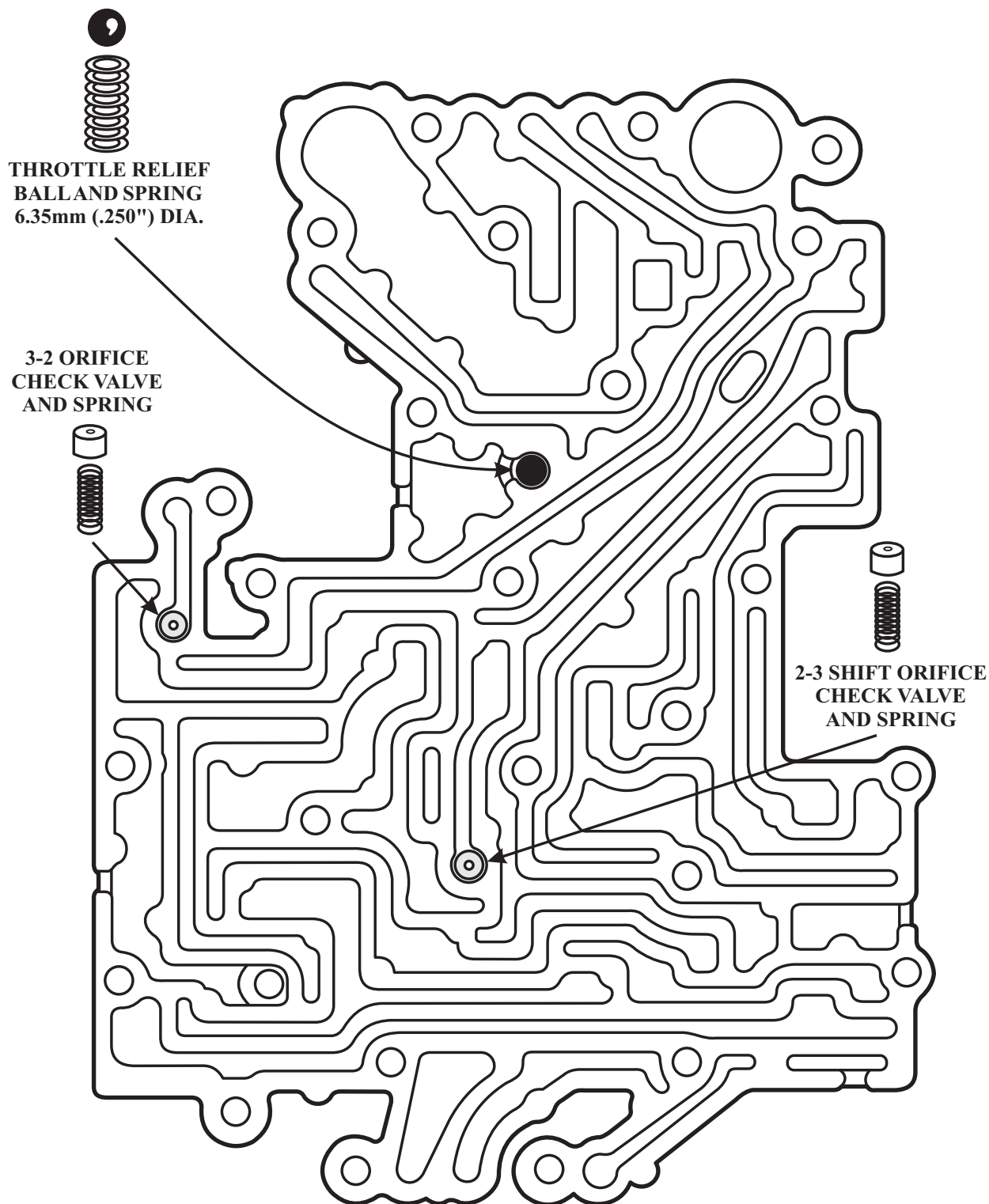


JEEP CHEROKEE WITH AW-4 TRANSMISSION CHECKBALL LOCATIONS, 90-94 MODELS ONLY

ProCarManuals.com



NISSAN AND FORD GRANADA 3N71B TRANSMISSION VALVE BODY CHECKBALL AND ORIFICE LOCATIONS

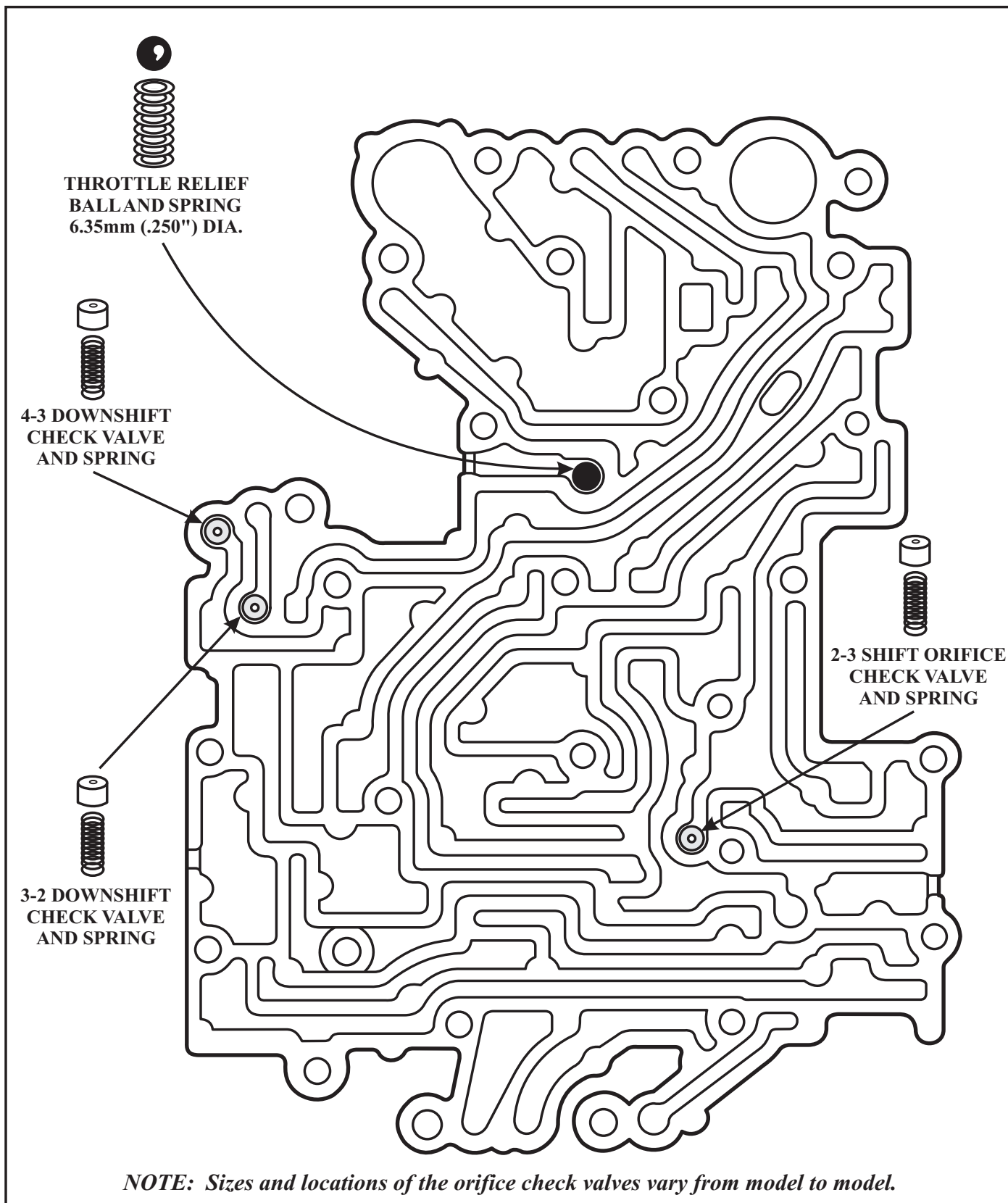


NOTE: Sizes of the orifice check valves vary from model to model.

NISSAN 4N71B TRANSMISSIONS

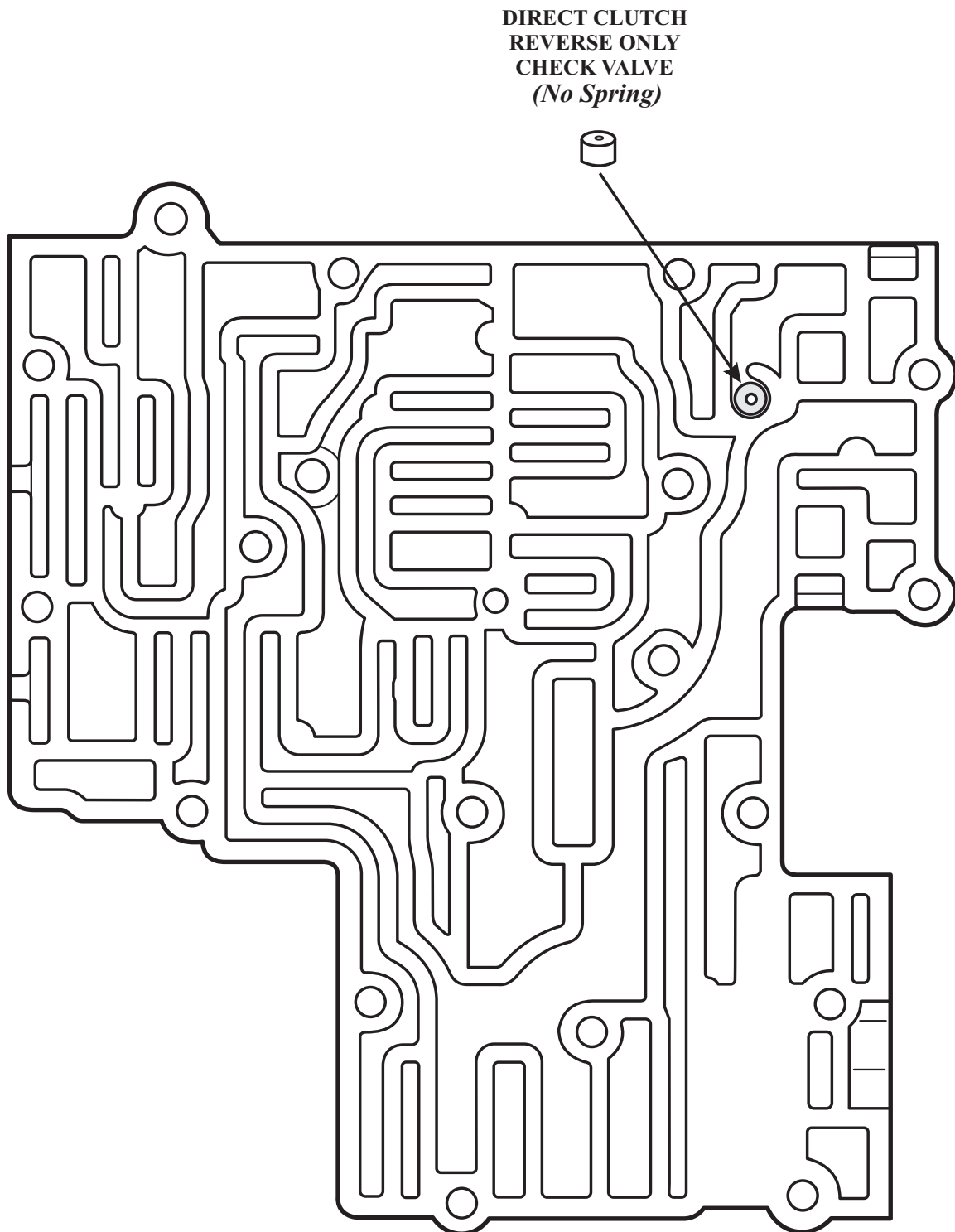
VALVE BODY CHECKBALL AND ORIFICE LOCATIONS

ProCarManuals.com



NISSAN 4N71B TRANSMISSIONS

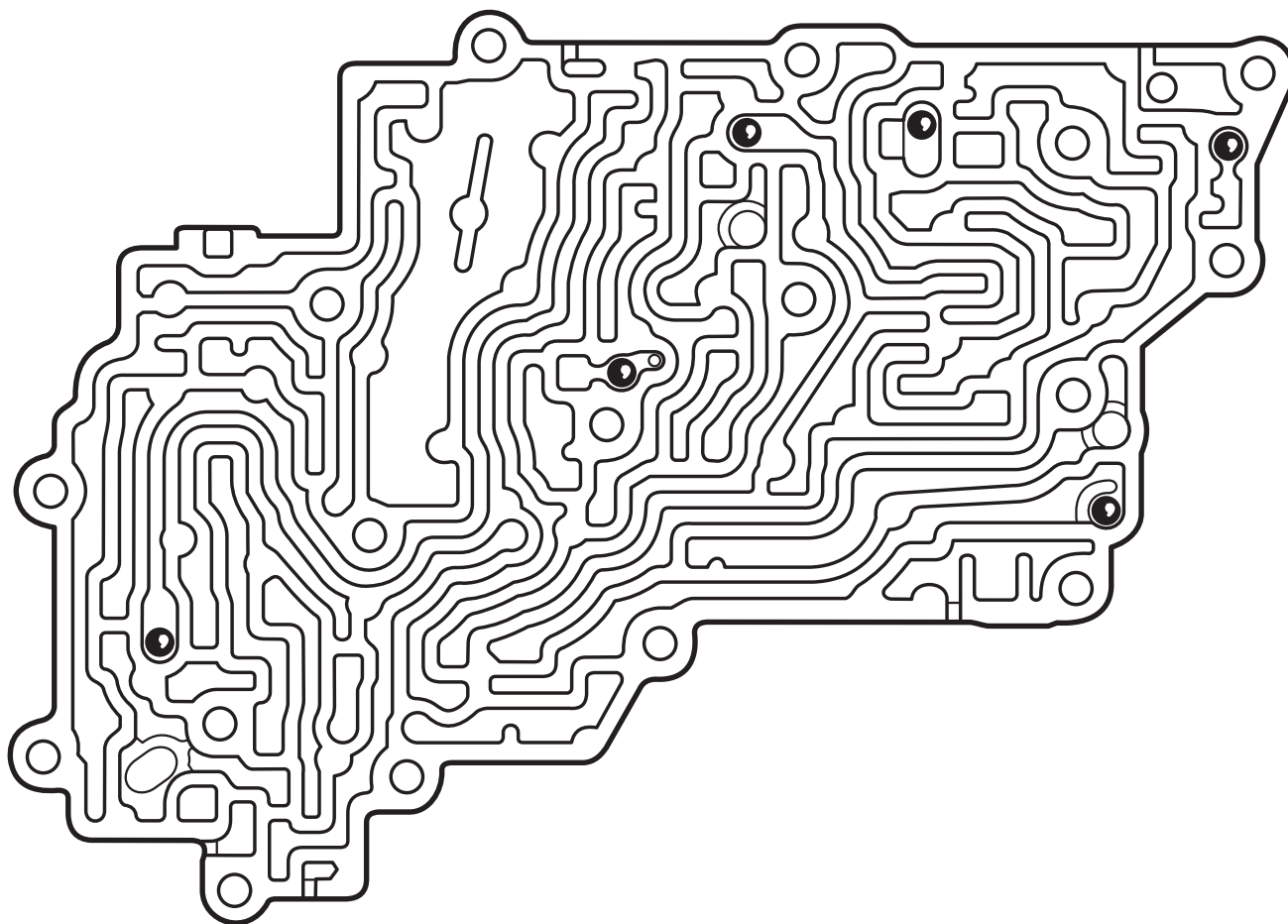
VALVE BODY CHECKBALL AND ORIFICE LOCATIONS



NOTE: Sizes of the orifice check valves vary from model to model.

NISSAN RL3FO1A, RN3FO1A TRANSMISSIONS
VALVE BODY CHECKBALL LOCATIONS

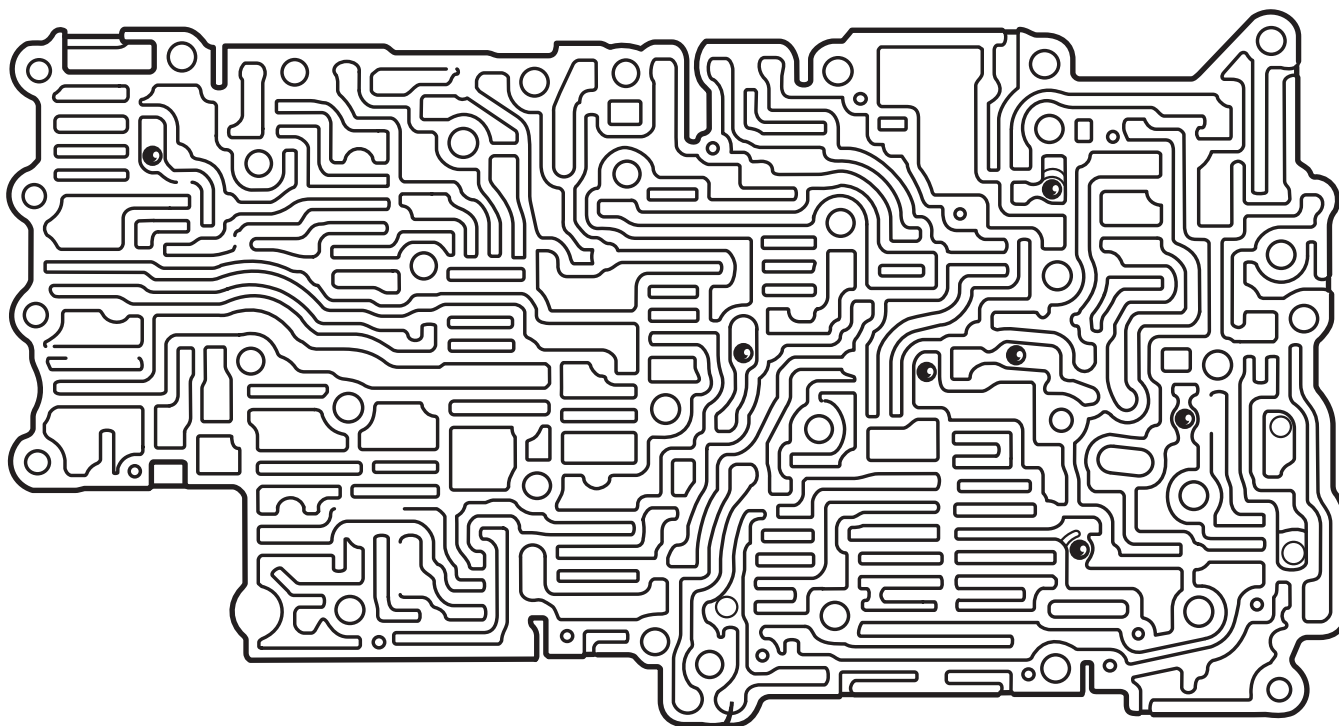
**REQUIRES SIX (6) 5.5mm (.217")
DIAMETER STEEL CHECKBALLS
IN THE LOCATIONS SHOWN BELOW**



NISSAN RL4F02A ALL MODELS CHECKBALL LOCATIONS

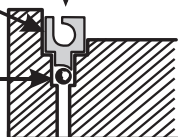
UPPER VALVE BODY

REQUIRES SEVEN .217" DIAMETER
STEEL CHECKBALLS IN THE
LOCATIONS SHOWN BELOW



RETAINER

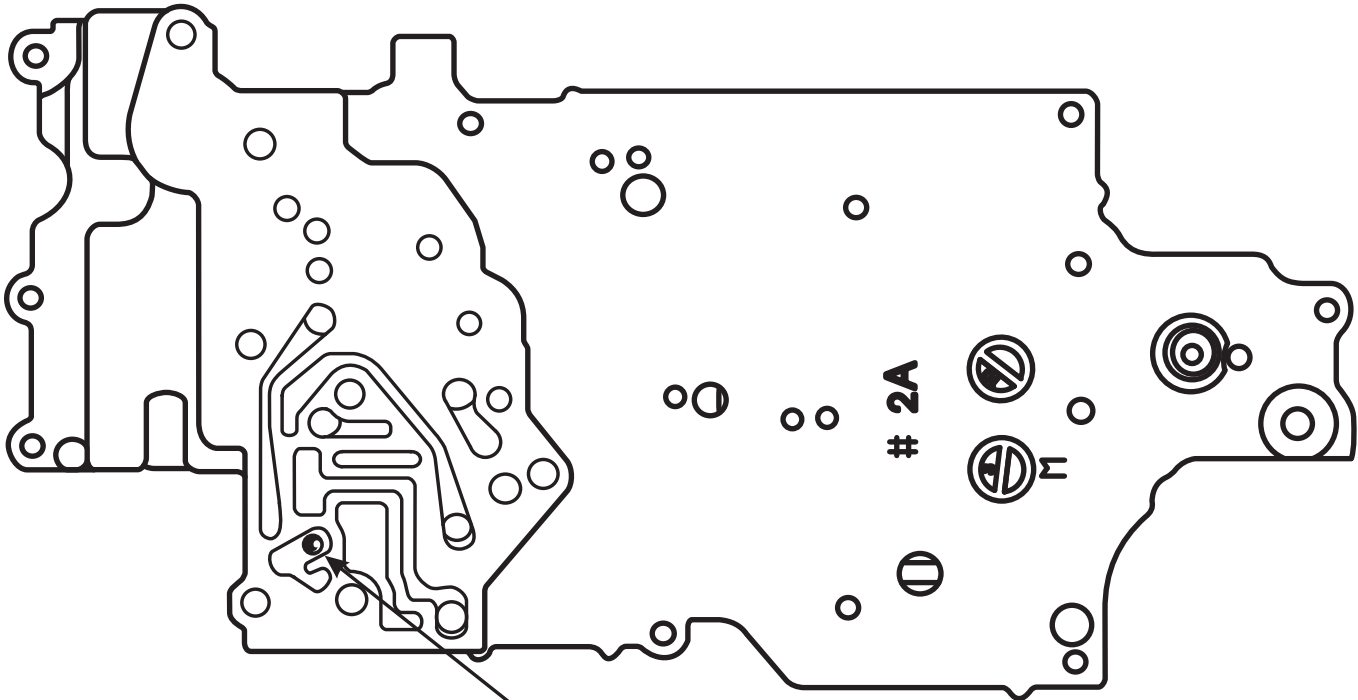
.186" STEEL
CHECKBALL



REQUIRES .186" DIAMETER
STEEL CHECKBALL HERE
AND RETAINER AS SHOWN

NISSAN RL4F02A ALL MODELS CHECKBALL LOCATIONS

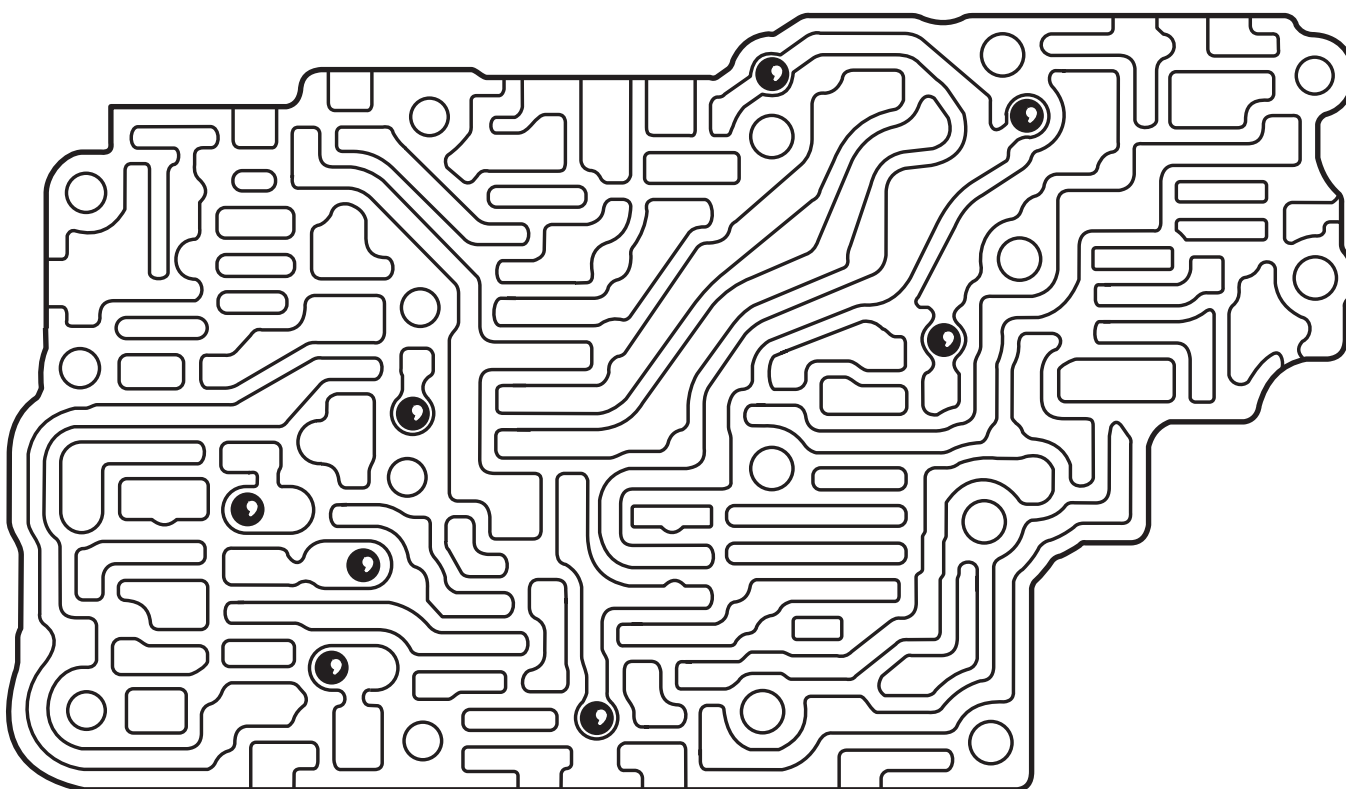
LOWER VALVE BODY



REQUIRES ONE 5.5mm (.217")
DIAMETER STEEL CHECKBALL
IN LOCATION SHOWN ABOVE

NISSAN RL4FO3A TRANSAXLE
"UPPER" VALVE BODY CHECKBALL LOCATIONS

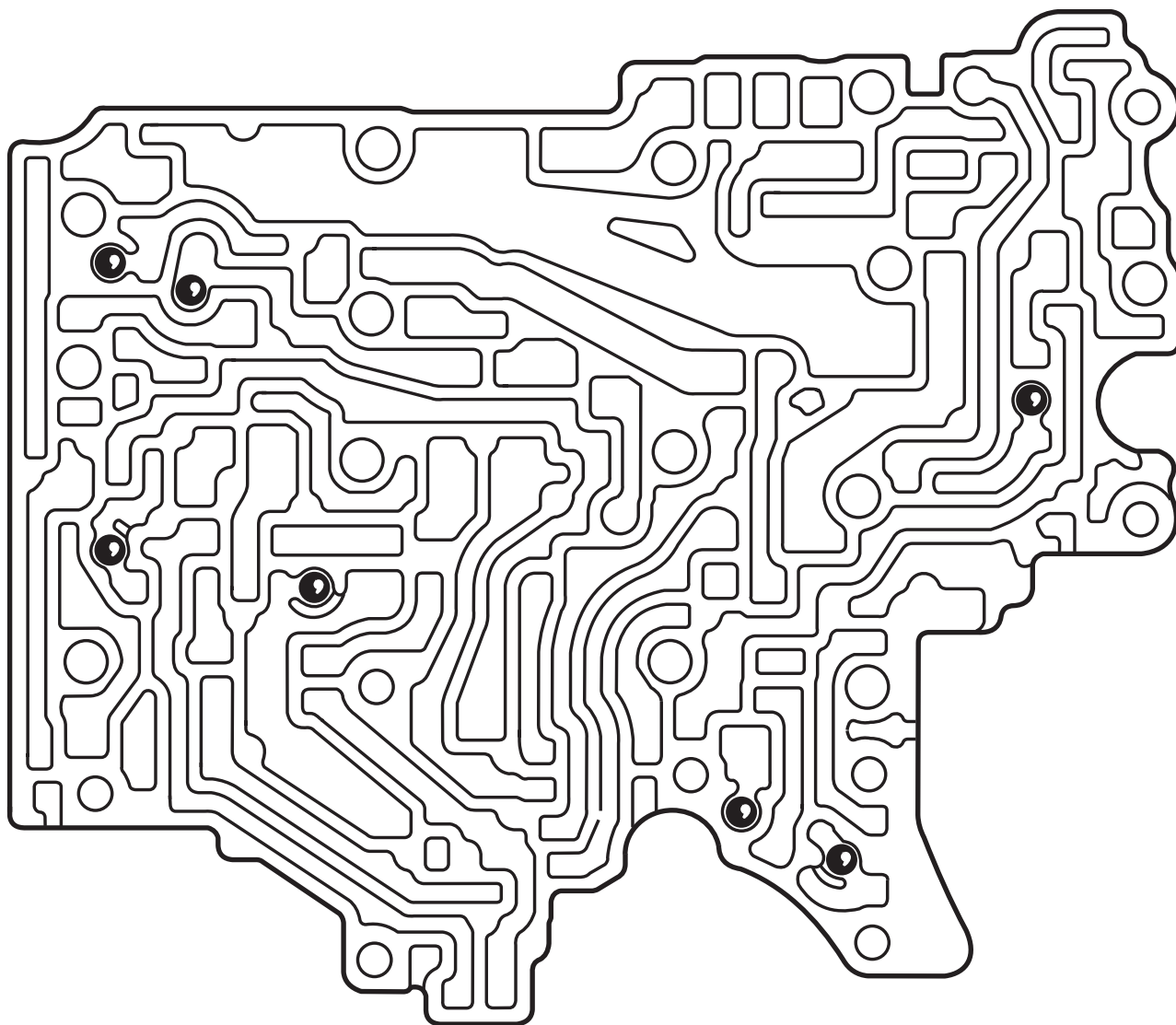
**REQUIRES EIGHT (8) STEEL
CHECKBALLS IN LOCATIONS SHOWN
5.5mm (.217") DIAMETER**



NISSAN RL4FO3A TRANSAXLE

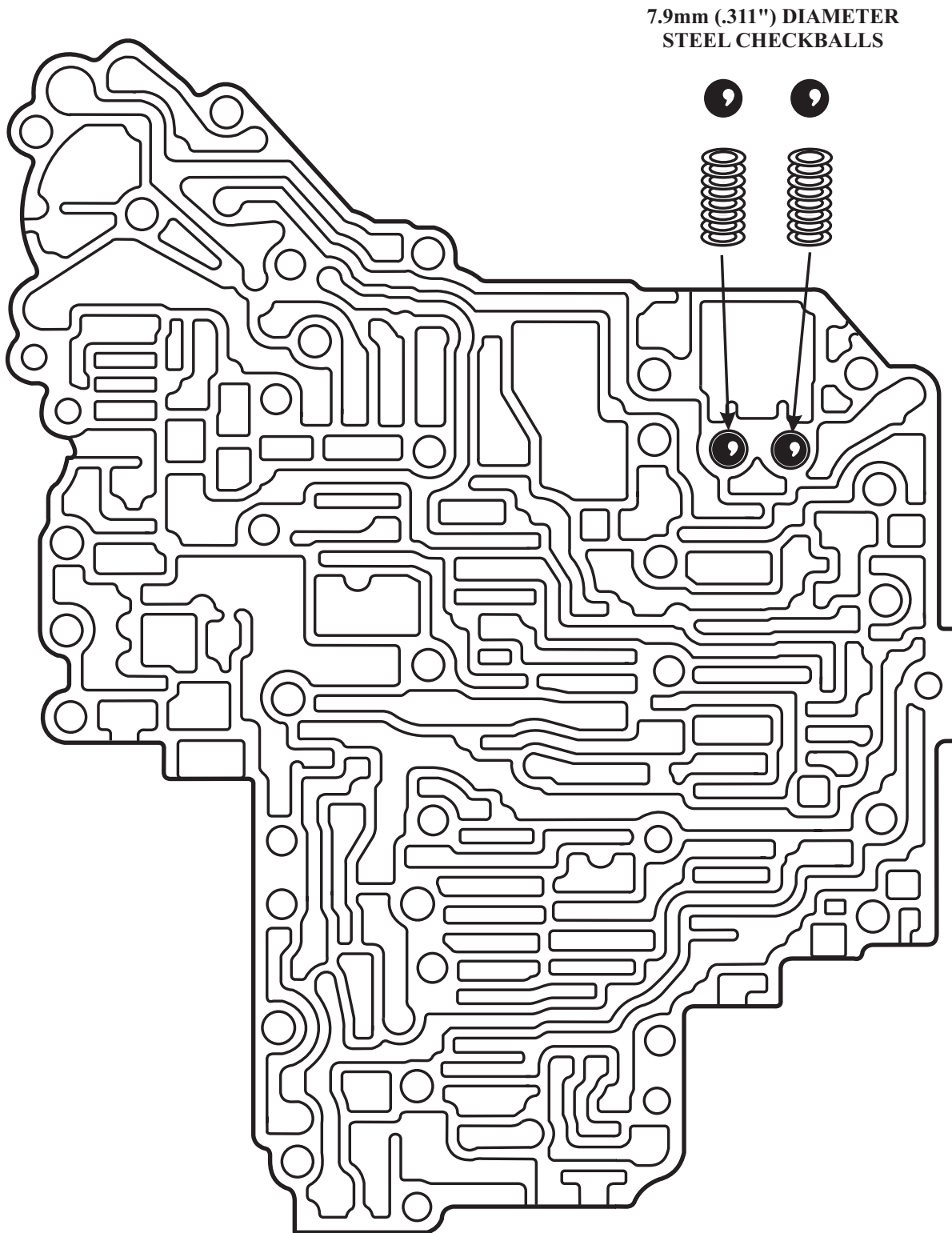
"INTERMEDIATE" VALVE BODY CHECKBALL LOCATIONS

**REQUIRES SEVEN (7) STEEL
CHECKBALLS IN LOCATIONS SHOWN
5.5mm (.217") DIAMETER**



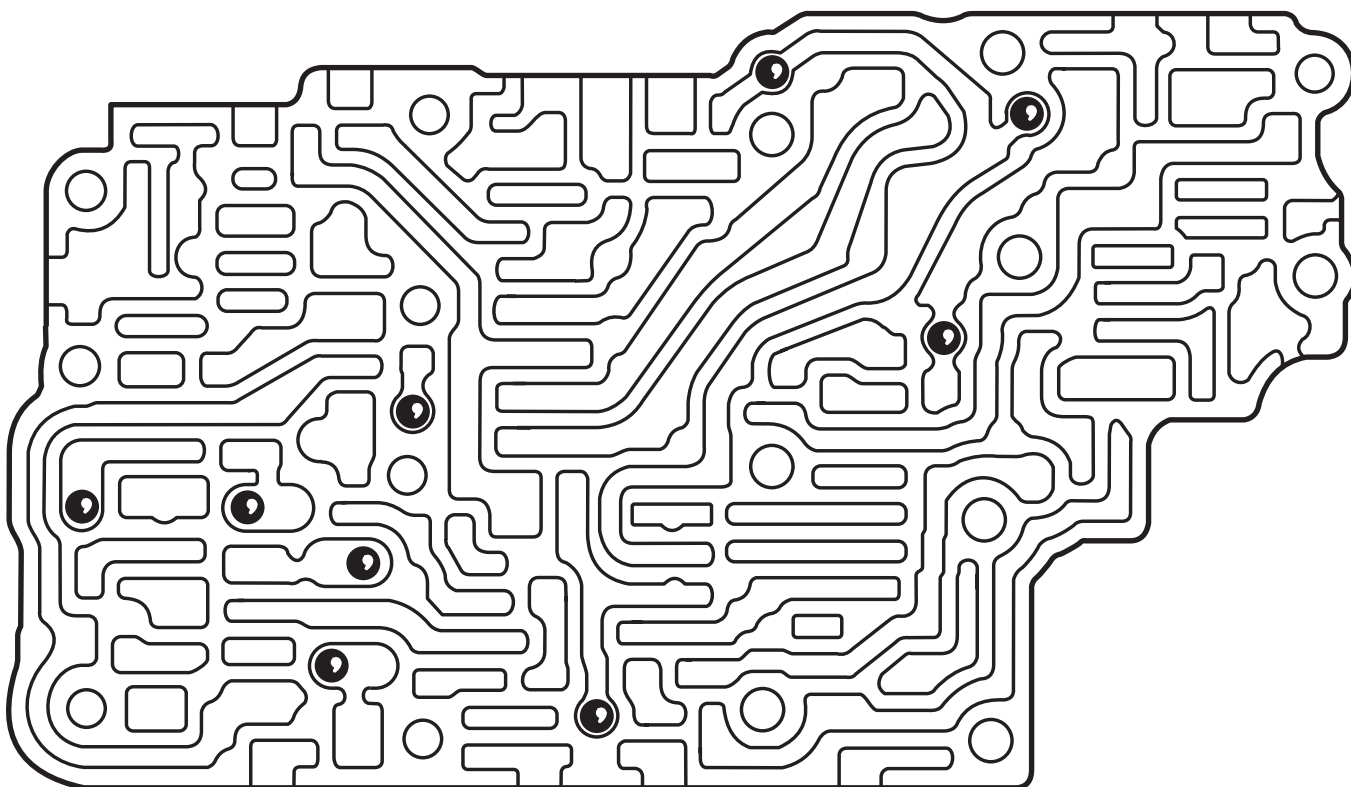
NISSAN RL4FO3A TRANSAXLE

"LOWER" VALVE BODY CHECKBALL LOCATIONS



NISSAN RL4FO3V TRANSAXLE
"UPPER" VALVE BODY CHECKBALL LOCATIONS

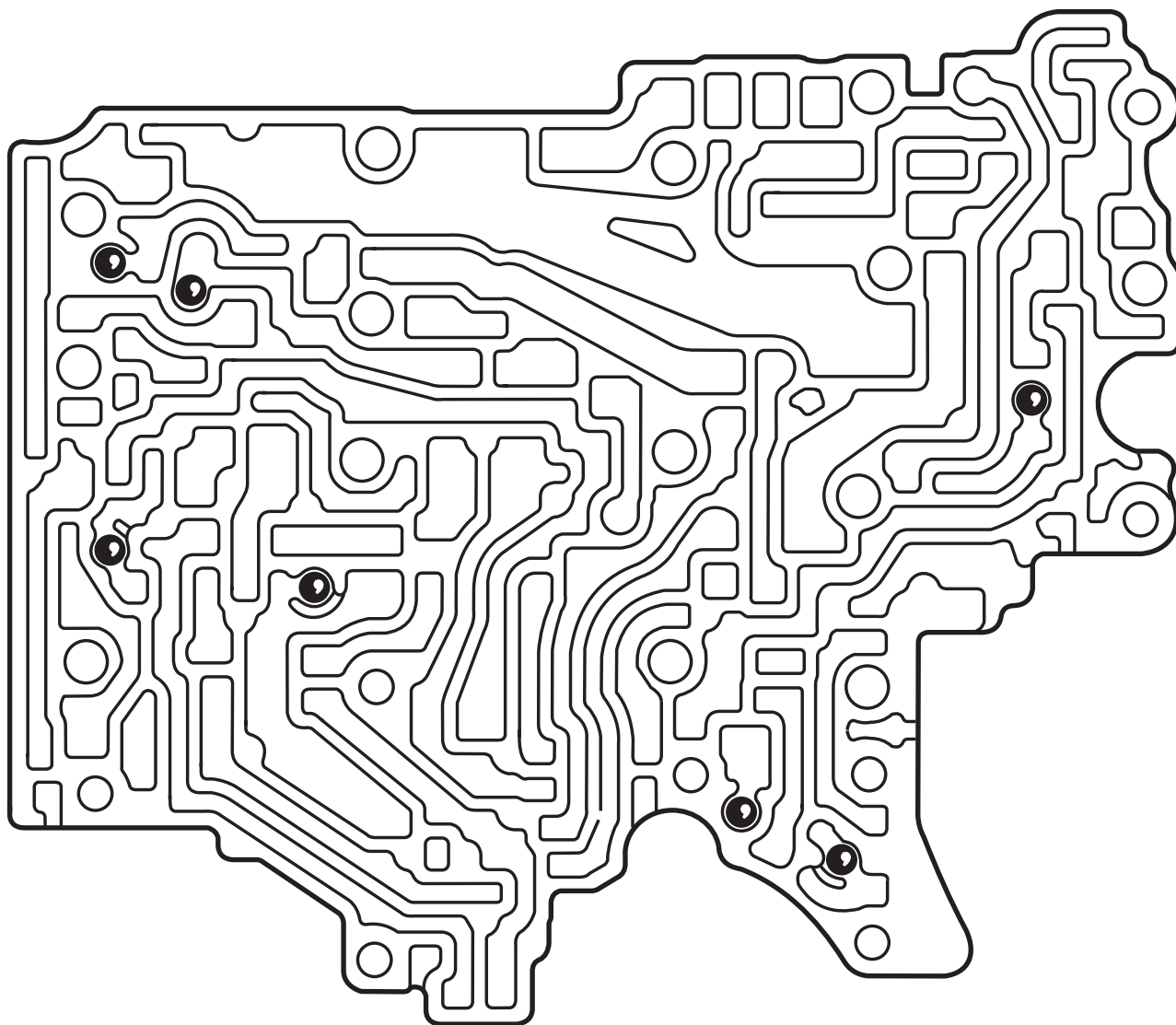
**REQUIRES NINE (9) STEEL
CHECKBALLS IN LOCATIONS SHOWN
5.5mm (.217") DIAMETER**



NISSAN RL4FO3V TRANSAXLE

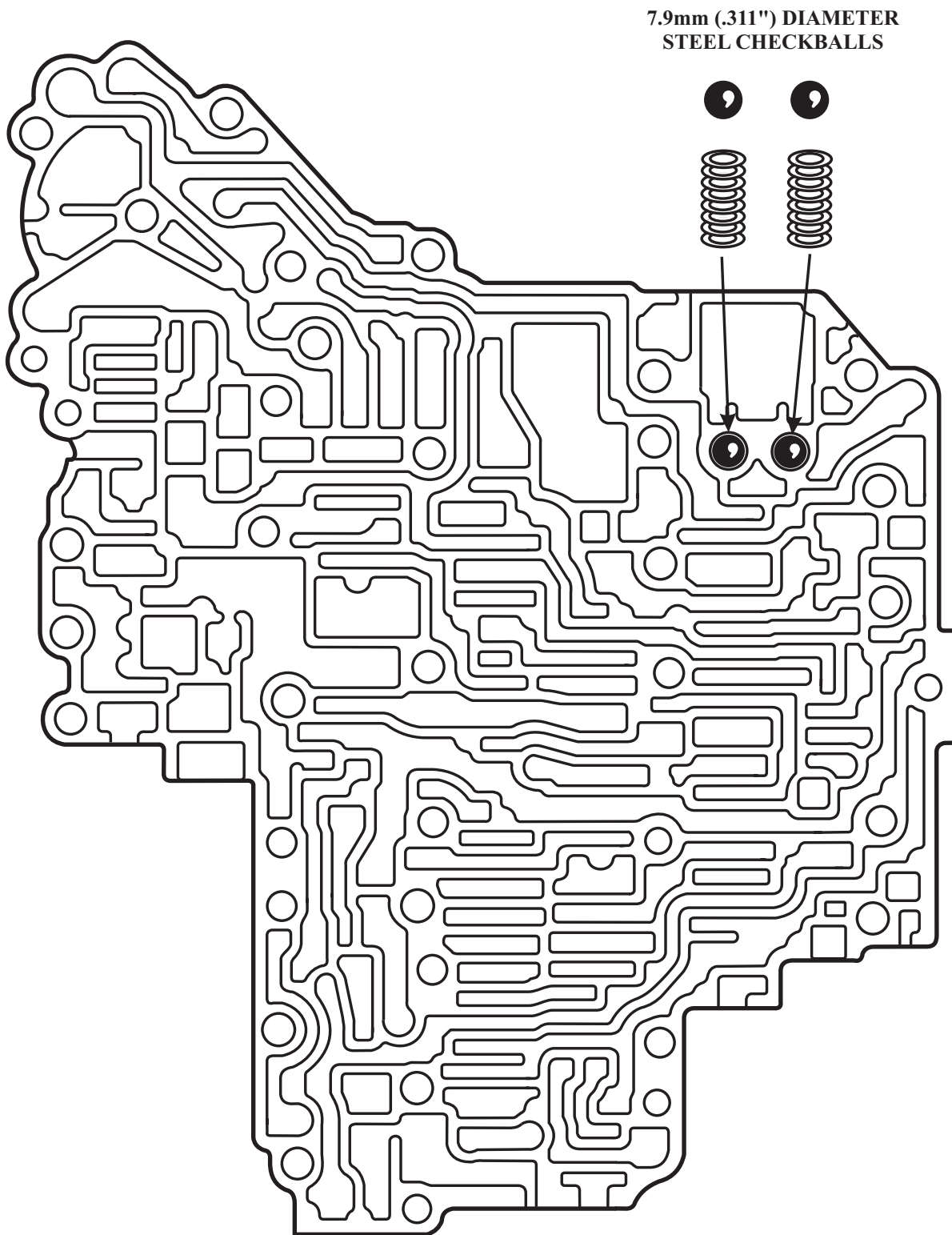
"INTERMEDIATE" VALVE BODY CHECKBALL LOCATIONS

REQUIRES SEVEN (7) STEEL
CHECKBALLS IN LOCATIONS SHOWN
5.5mm (.217") DIAMETER



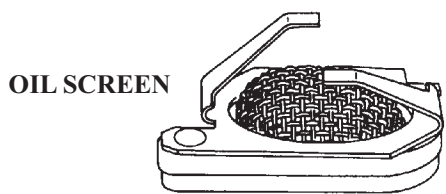
NISSAN RL4FO3V TRANSAXLE

"LOWER" VALVE BODY CHECKBALL LOCATIONS



NISSAN RE4F02A ALL MODELS CHECKBALL LOCATIONS

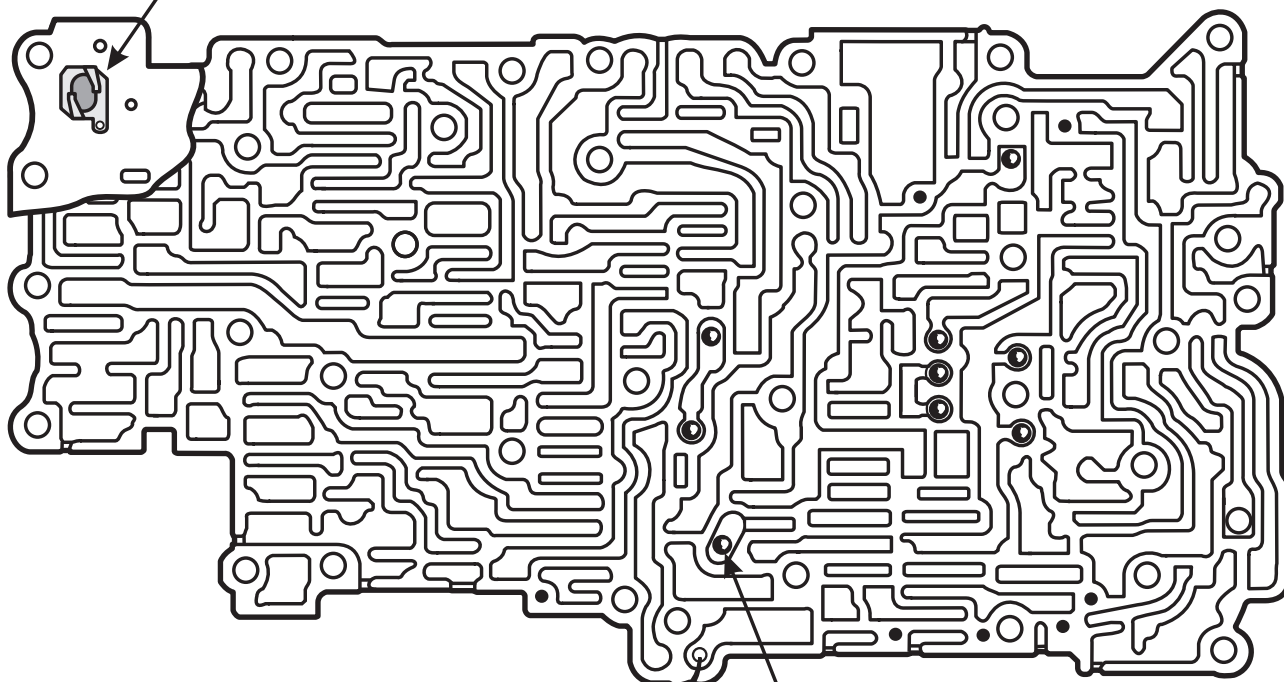
UPPER VALVE BODY



OIL SCREEN

REQUIRES NINE .217" DIAMETER
STEEL CHECKBALLS IN THE
LOCATIONS SHOWN BELOW

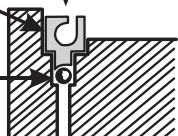
OIL SCREEN TO BE PLACED
ON SPACER PLATE WITH THE
LEGS FACING "UP", AS SHOWN



2 HOLES IN SPACER = BALL
1 HOLE IN SPACER = NO BALL

RETAINER

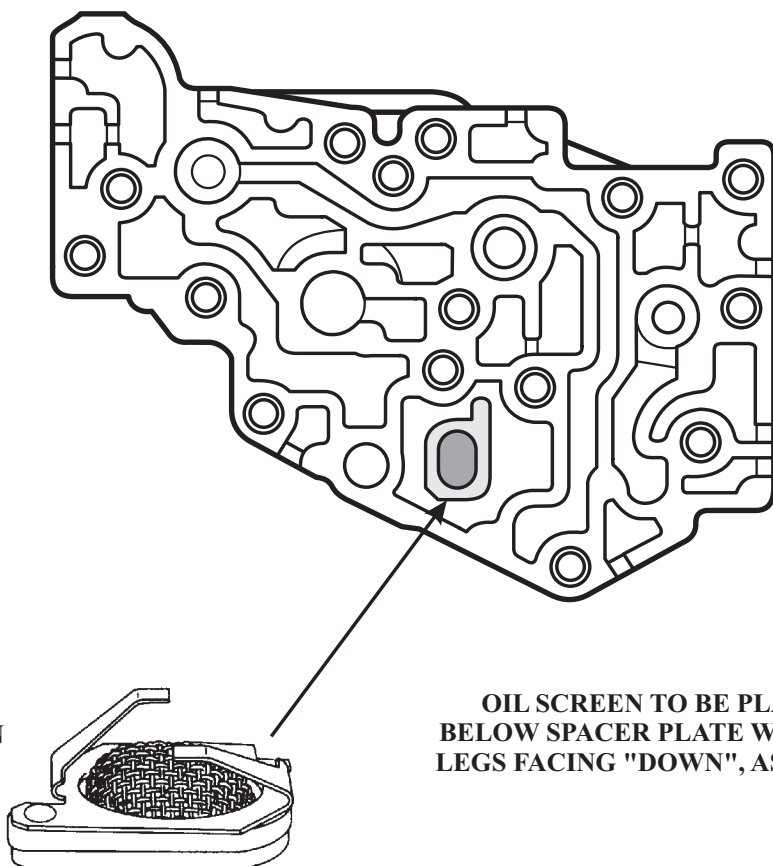
.186" STEEL
CHECKBALL



REQUIRES .186" DIAMETER
STEEL CHECKBALL HERE
AND RETAINER AS SHOWN

NISSAN RE4F02A ALL MODELS SCREEN LOCATION

SOLENOID BODY



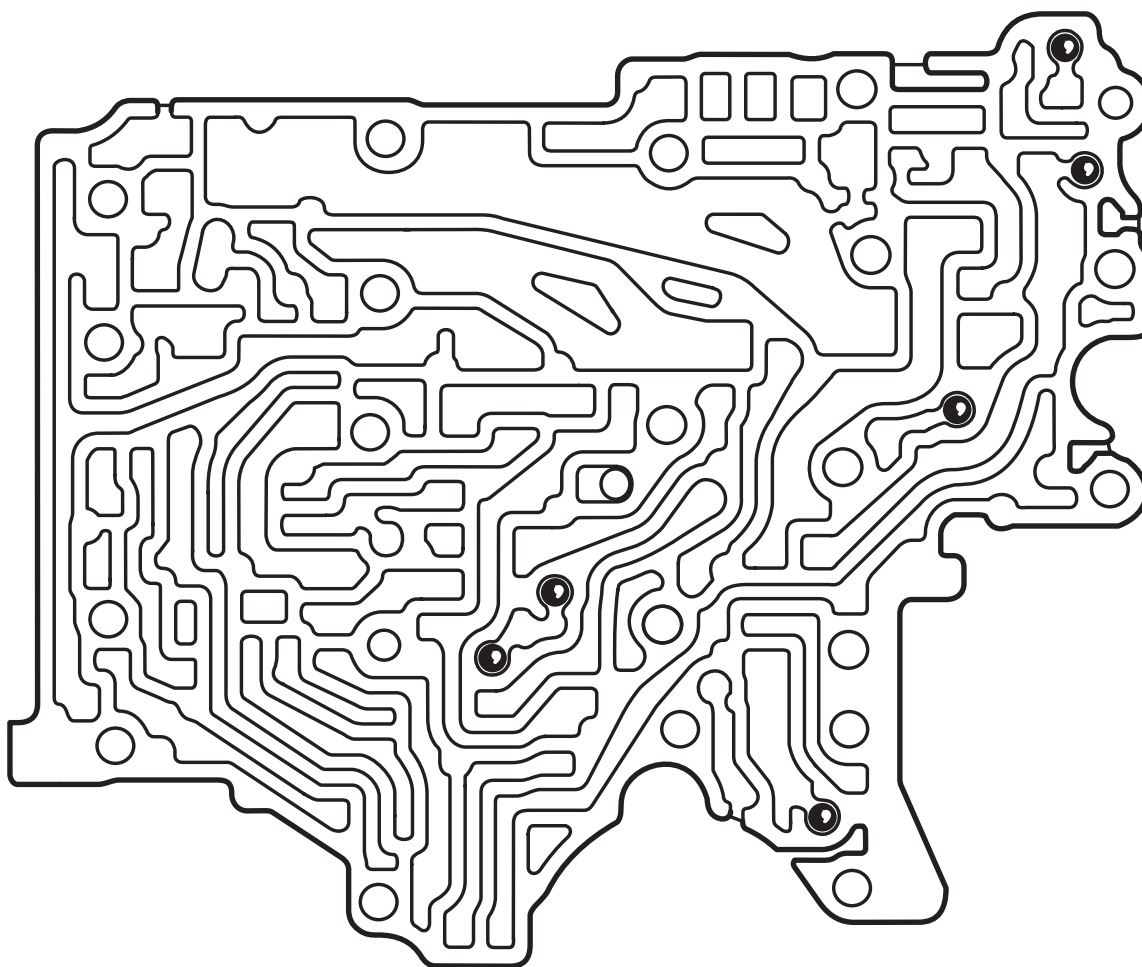
OIL SCREEN

OIL SCREEN TO BE PLACED
BELOW SPACER PLATE WITH THE
LEGS FACING "DOWN", AS SHOWN

NISSAN RE4F03A/V TRANSAXLES NX AND SENTRA

"INTERMEDIATE" VALVE BODY CHECKBALL LOCATIONS

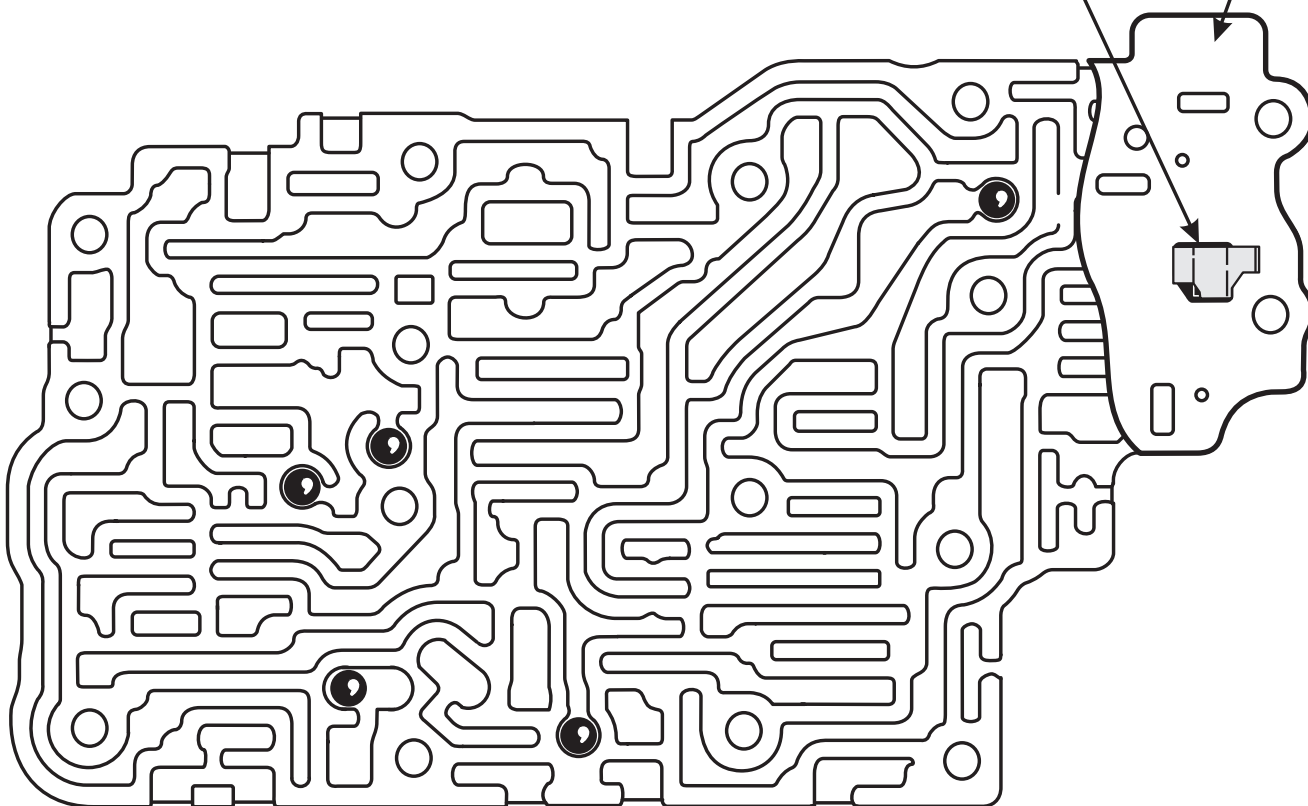
REQUIRES SIX (6) STEEL CHECKBALLS
5.5mm (.217") DIAMETER IN THE
LOCATIONS SHOWN BELOW



NISSAN RE4F03A/V TRANSAXLES NX AND SENTRA "UPPER" VALVE BODY CHECKBALL LOCATIONS

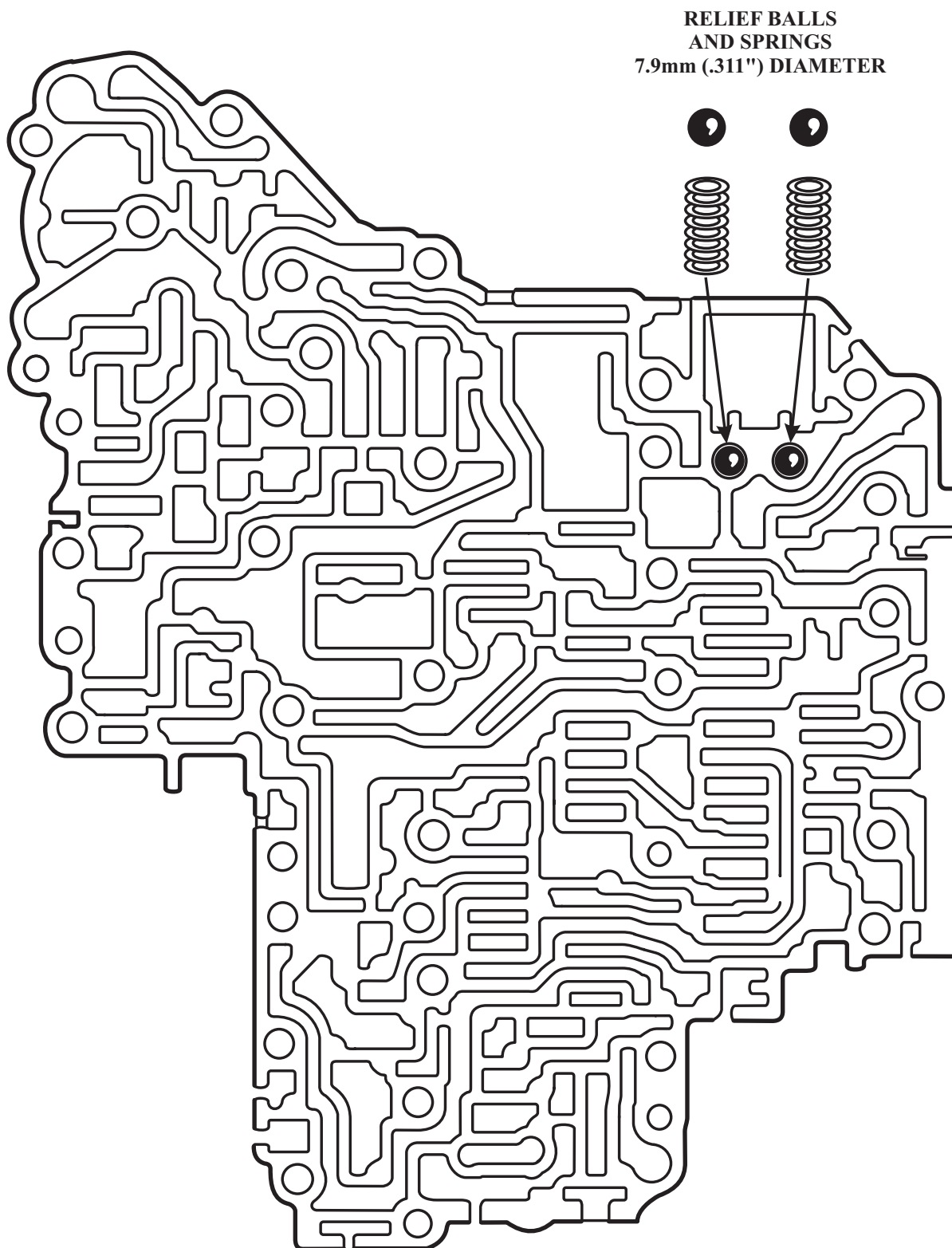
REQUIRES FIVE (5) STEEL CHECKBALLS
5.5mm (.217") DIAMETER IN THE
LOCATIONS SHOWN BELOW

PILOT FILTER INSTALLED
ON SPACER PLATE WITH
LEGS UP AS SHOWN



NISSAN RE4F03A/V TRANSAXLES NX AND SENTRA

"LOWER" VALVE BODY RELIEF BALL LOCATIONS

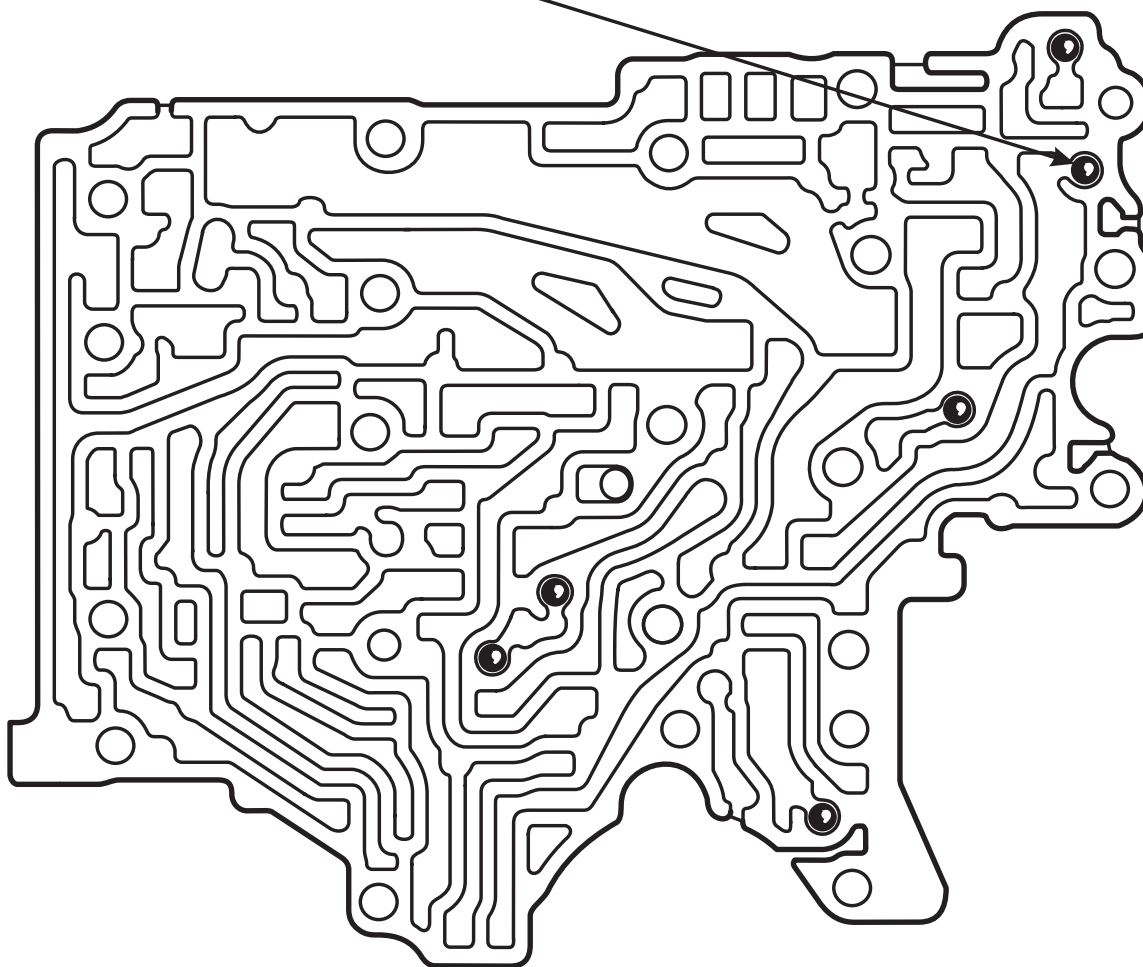


NISSAN RE4F04A TRANSAXLES

"INTERMEDIATE" VALVE BODY CHECKBALL LOCATIONS

REQUIRES SIX (6) STEEL CHECKBALLS
5.5mm (.217") DIAMETER IN THE
LOCATIONS SHOWN BELOW

*This Checkball Omitted
On 1995-Up Models*

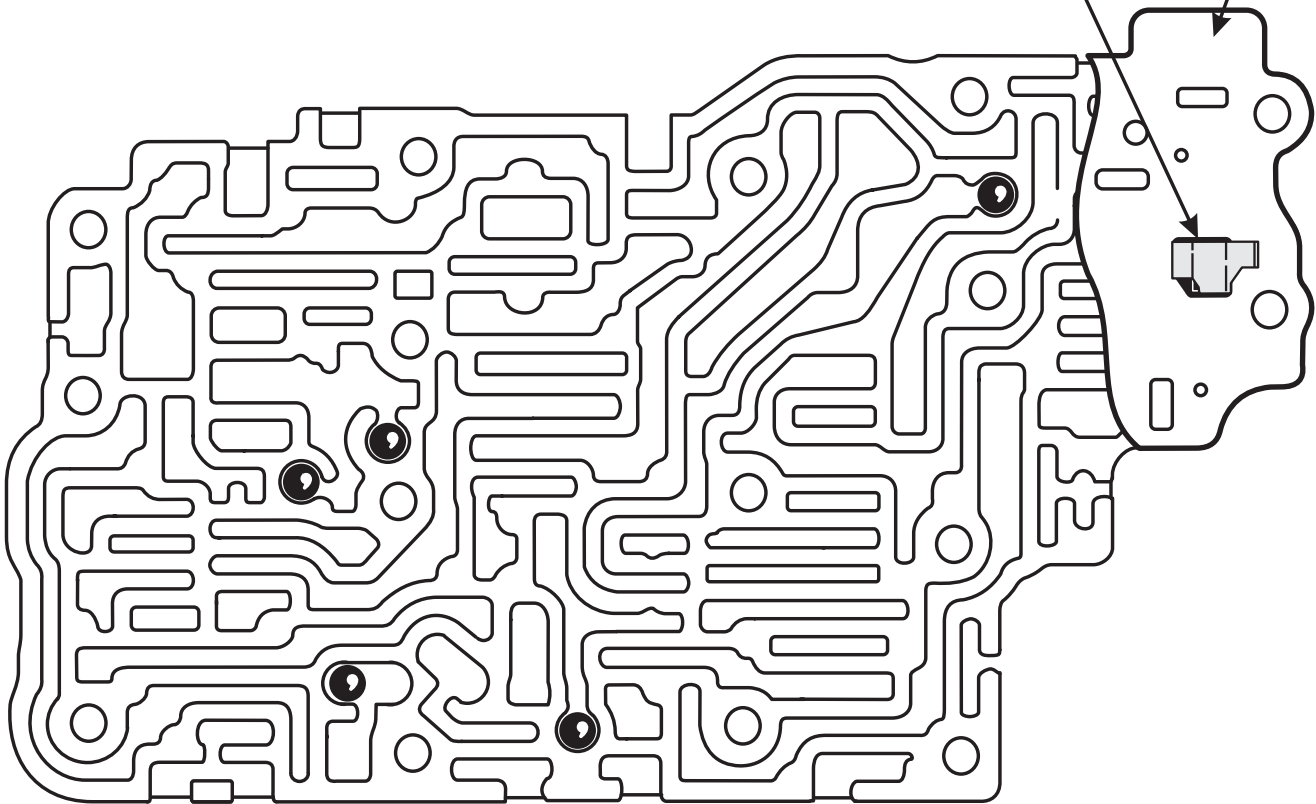


NISSAN RE4F04A TRANSAXLES

"UPPER" VALVE BODY CHECKBALL LOCATIONS

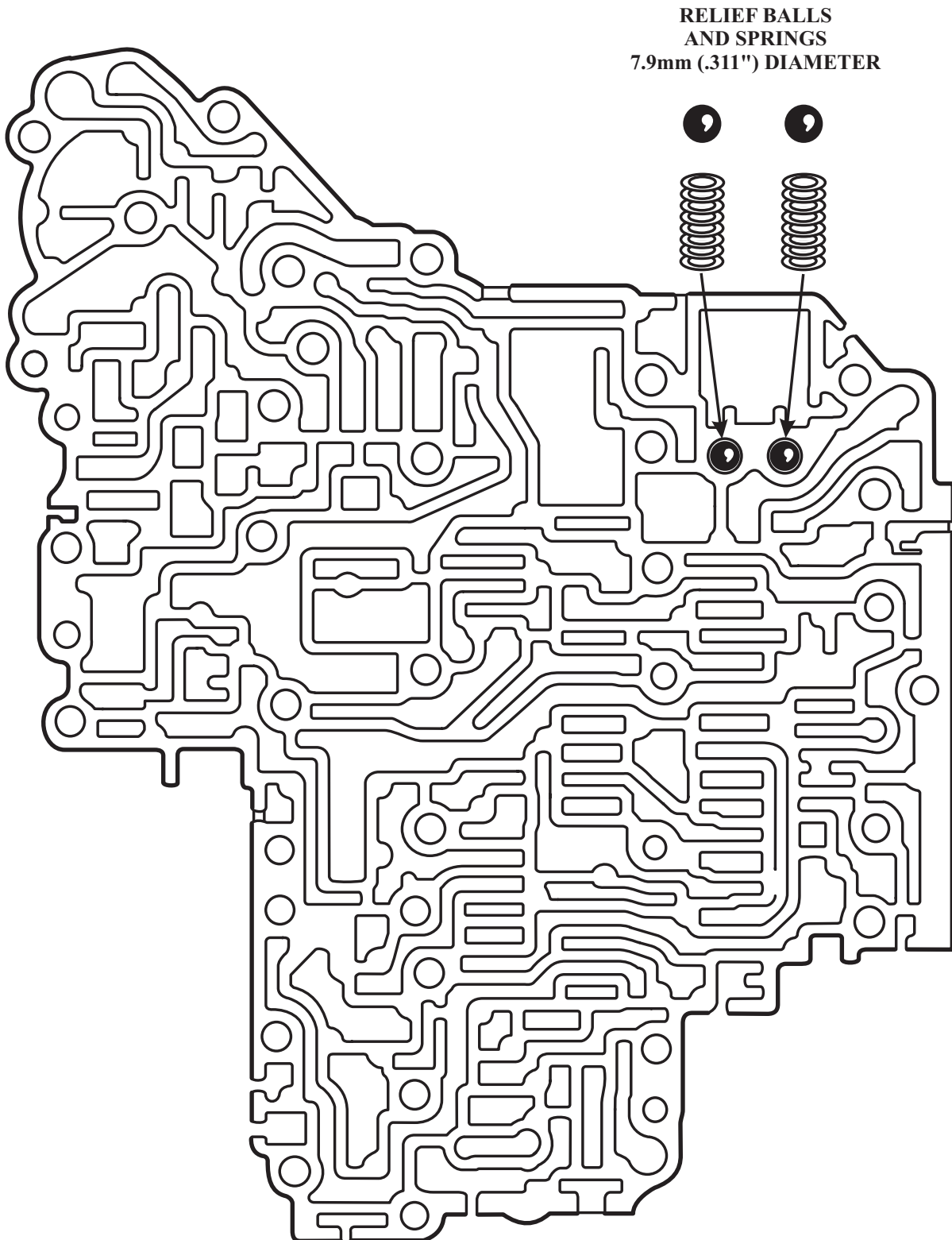
REQUIRES FIVE (5) STEEL CHECKBALLS
5.5mm (.217") DIAMETER IN THE
LOCATIONS SHOWN BELOW

PILOT FILTER INSTALLED
ON SPACER PLATE WITH
LEGS UP AS SHOWN



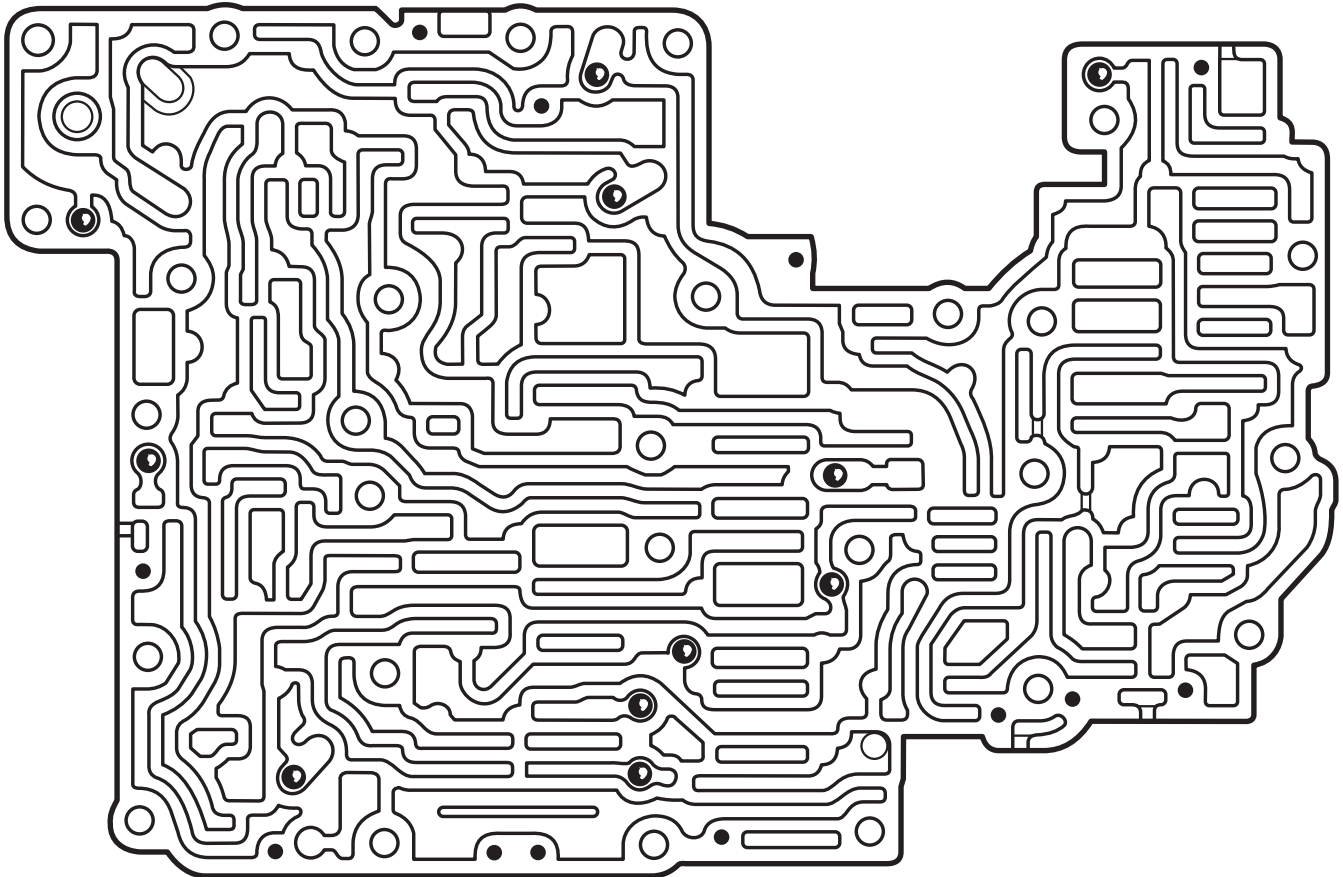
NISSAN RE4F04A TRANSAXLES

"LOWER" VALVE BODY RELIEF BALL LOCATIONS



NISSAN RL4R01A
UPPER VALVE BODY CHECKBALL LOCATIONS

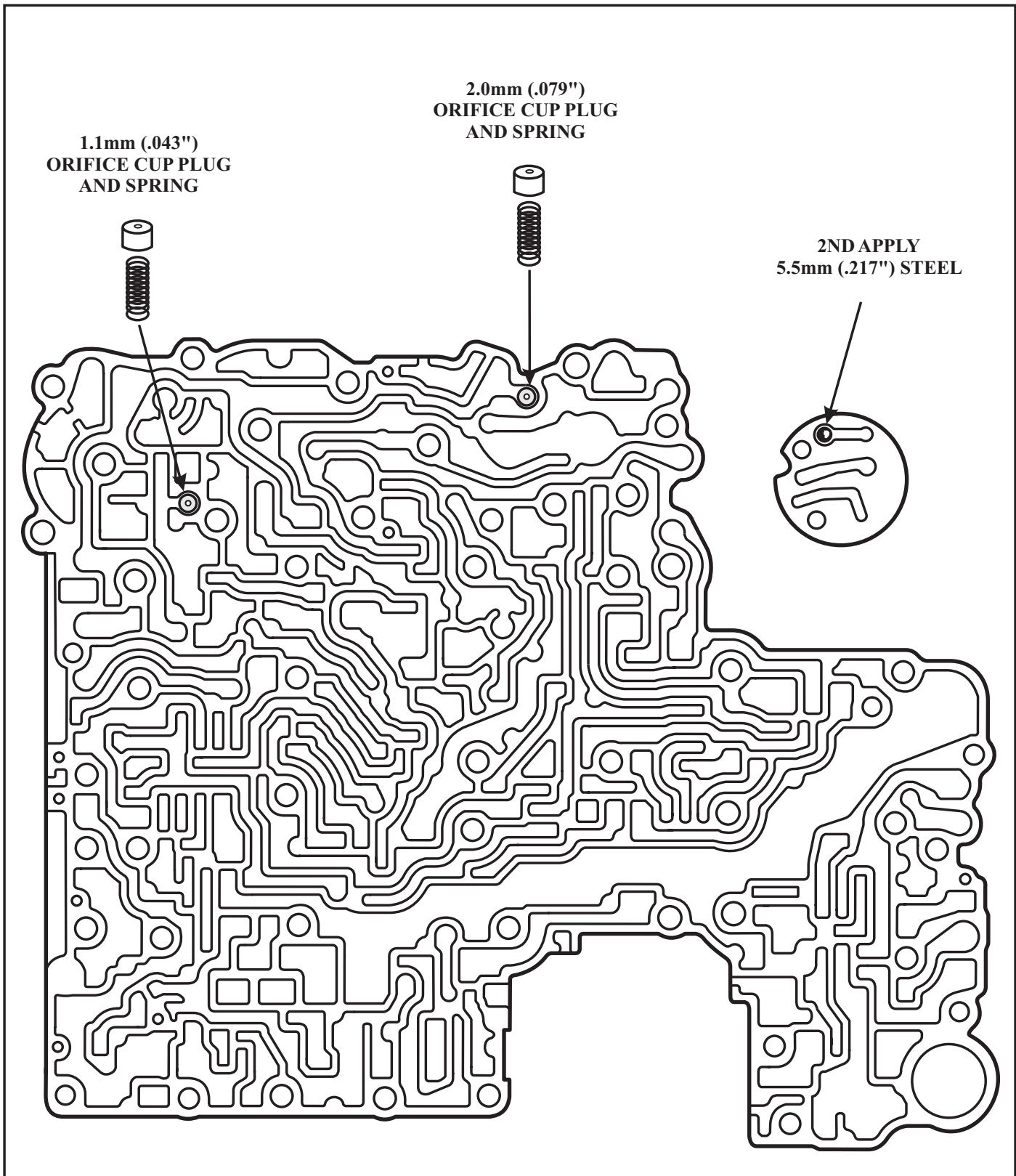
REQUIRES ELEVEN 5.5mm (.217") DIAMETER
STEEL CHECKBALLS IN LOCATIONS SHOWN



NISSAN RL4R01A

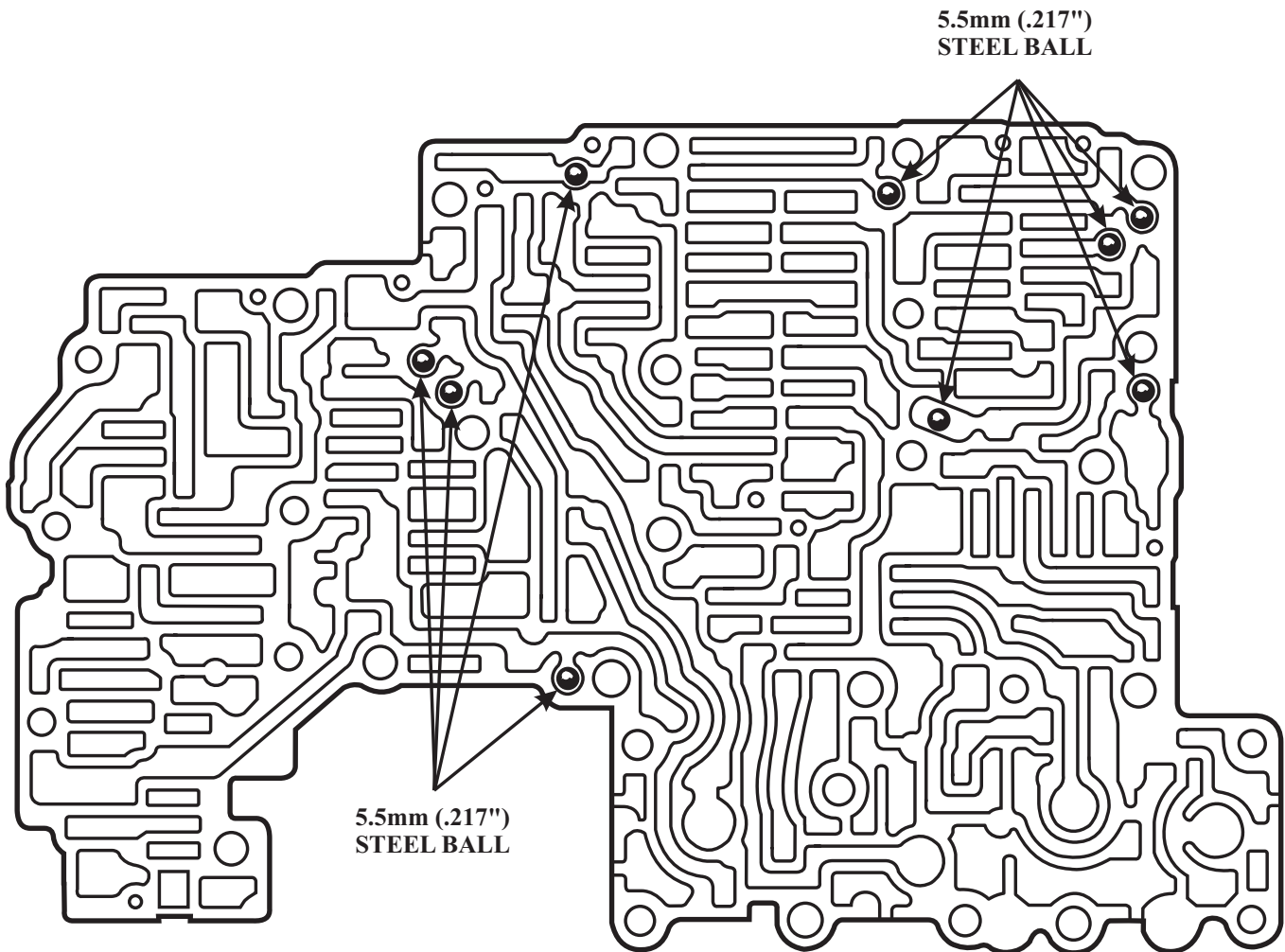
LOWER VALVE BODY ORIFICE LOCATIONS

ProCarManuals.com

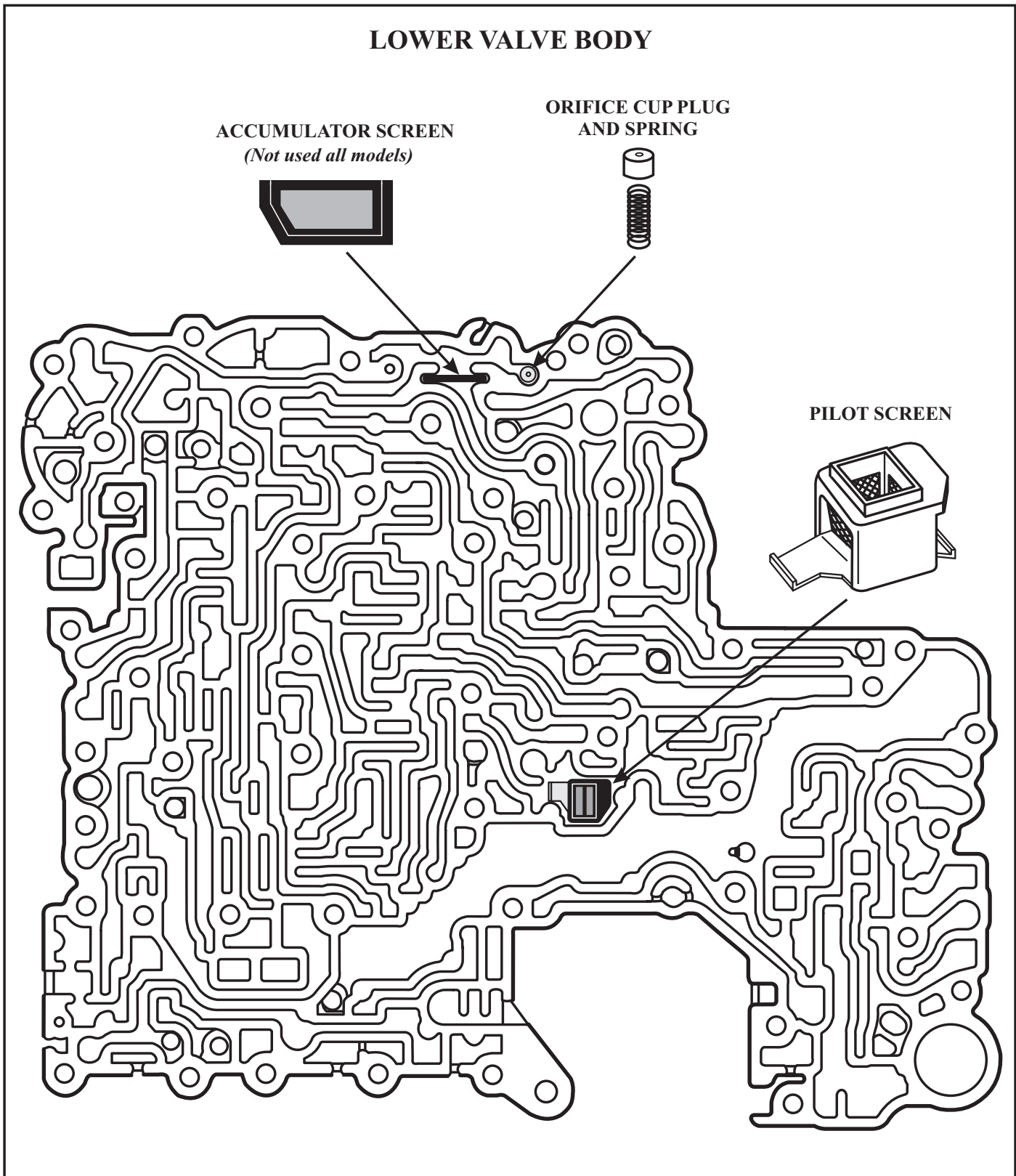


NISSAN RE4R01A ALL MODELS CHECKBALL LOCATIONS

**MAIN VALVE BODY
REQUIRES NINE CHECKBALLS**

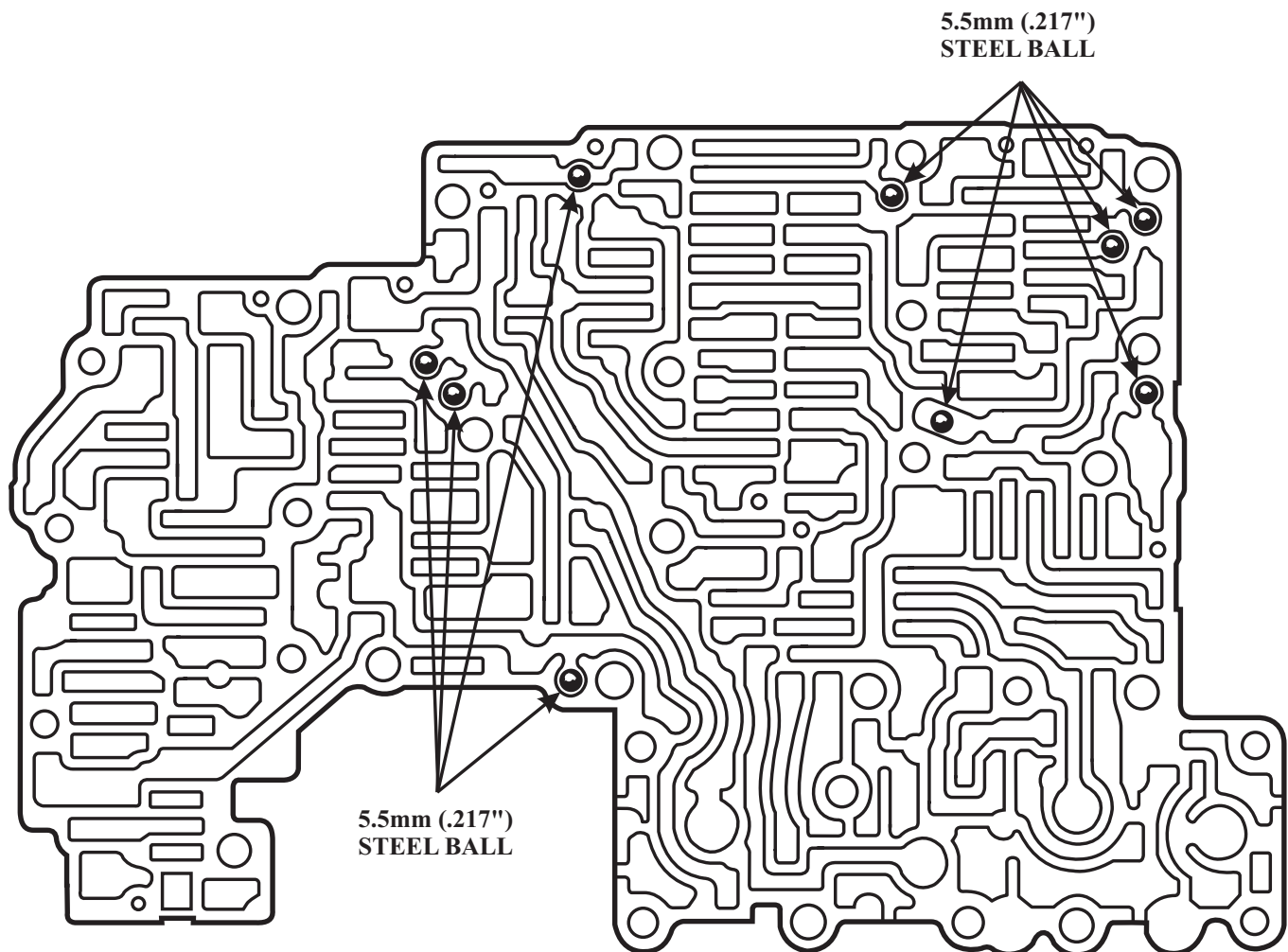


NISSAN RE4R01A ALL MODELS SCREEN AND ORIFICE LOCATIONS



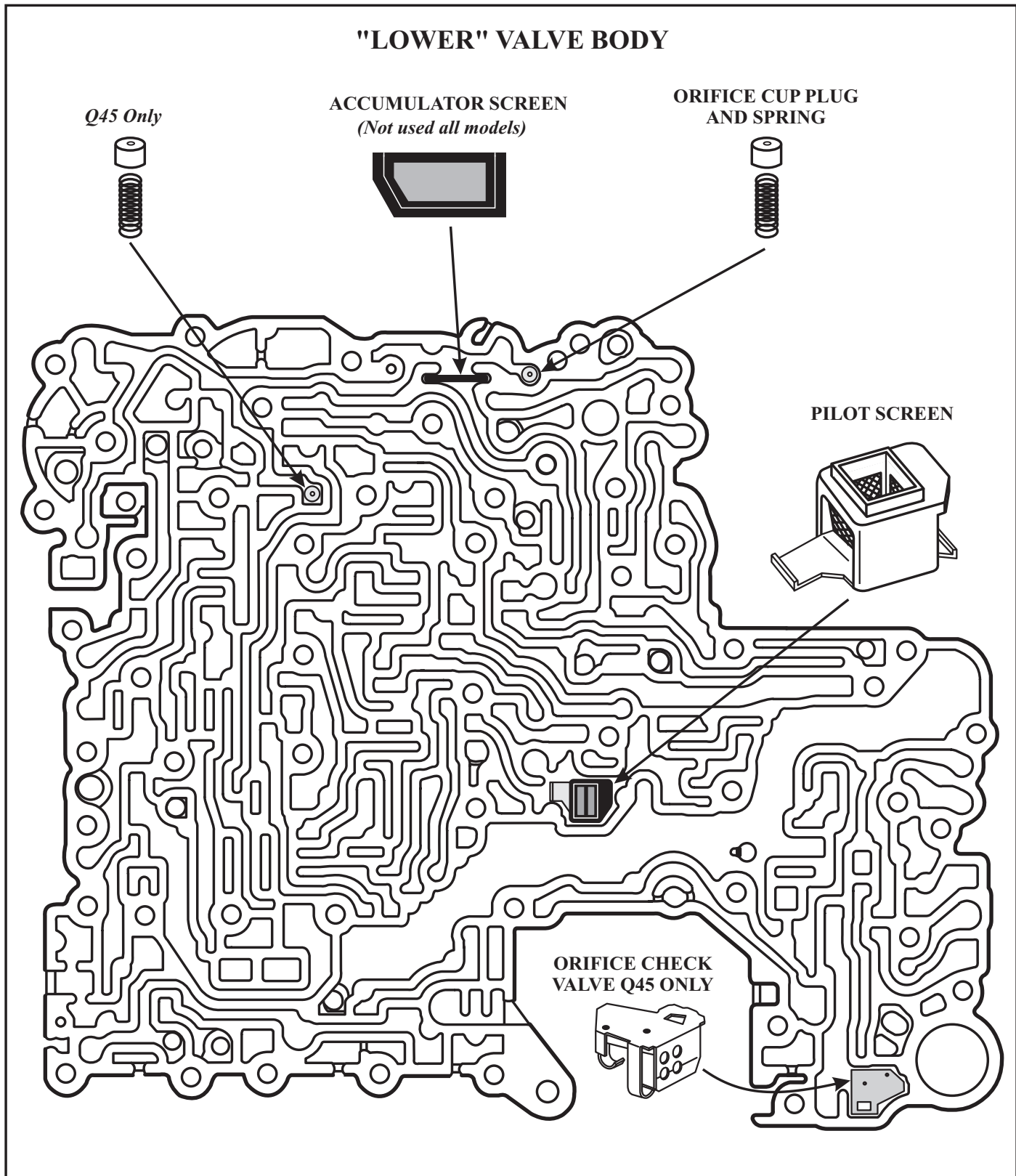
NISSAN RE4R03A TRANSMISSIONS 300ZX TWIN TURBO AND Q45 CHECKBALL LOCATIONS

**MAIN VALVE BODY
REQUIRES NINE CHECKBALLS**

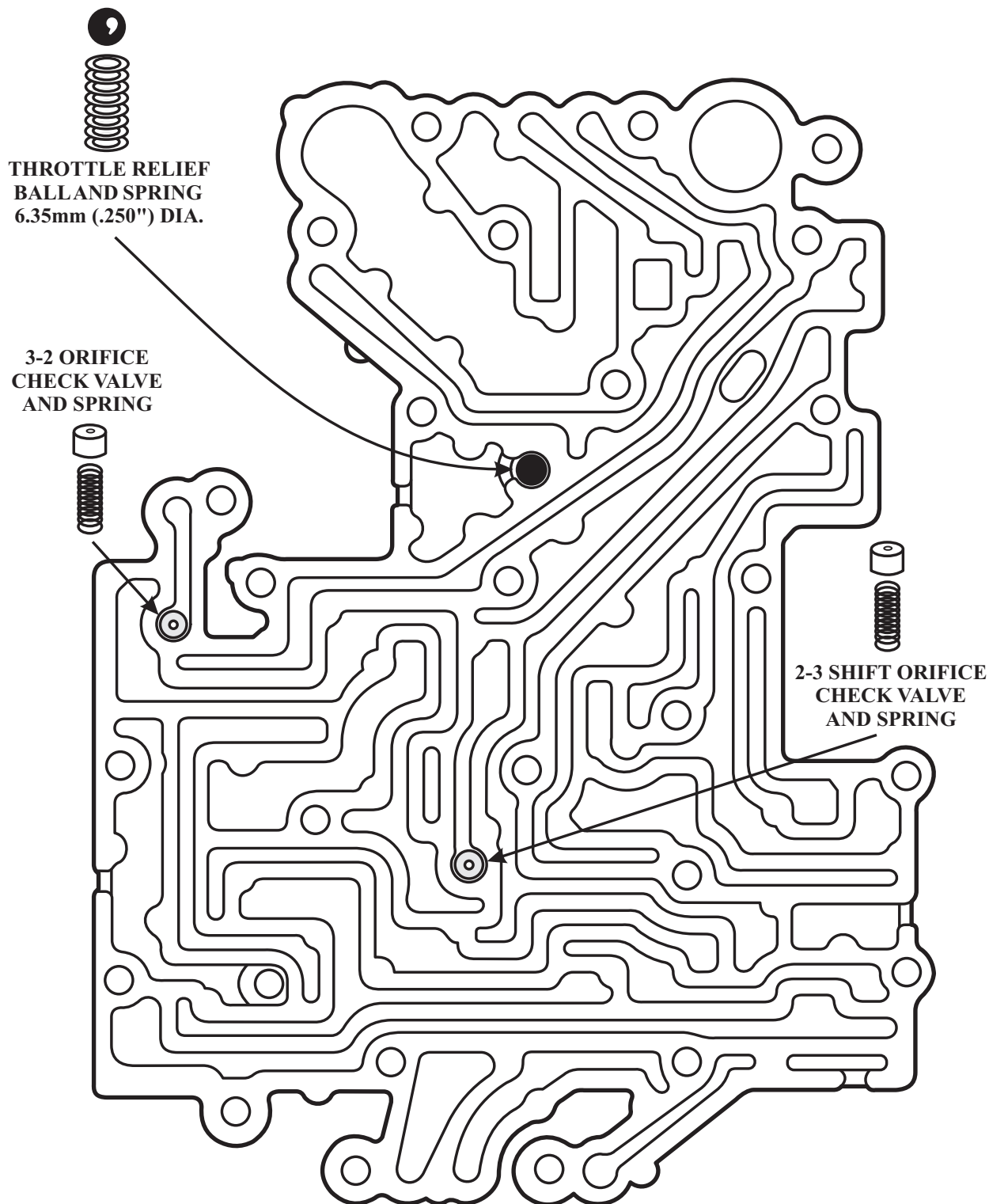


NISSAN RE4R03A TRANSMISSIONS 300ZX TWIN TURBO AND Q45 CHECKBALL LOCATIONS

ProCarManuals.com



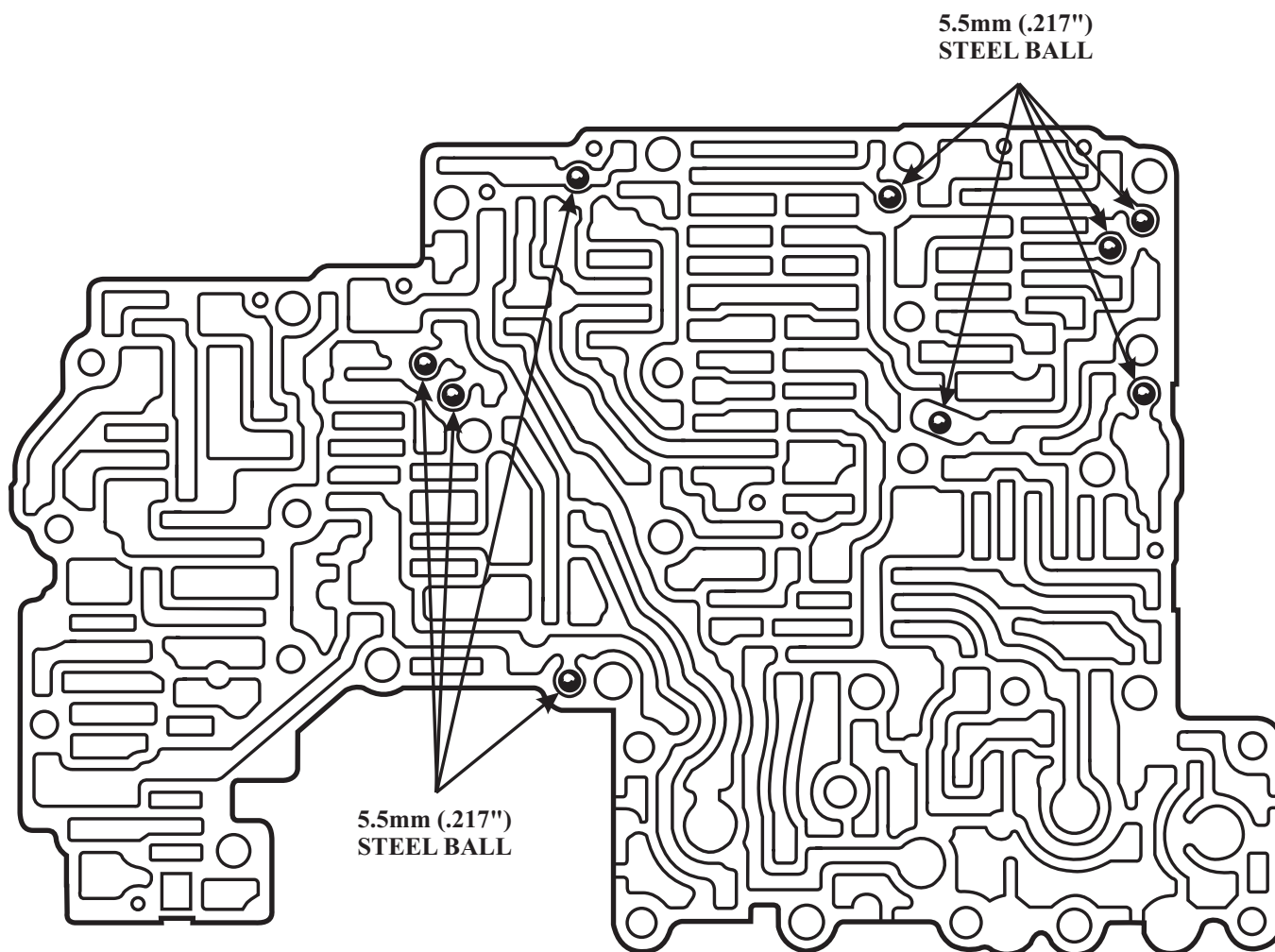
SUBARU 3-SPEED TRANSMISSION VALVE BODY CHECKBALL AND ORIFICE LOCATIONS



NOTE: Sizes of the orifice check valves vary from model to model.

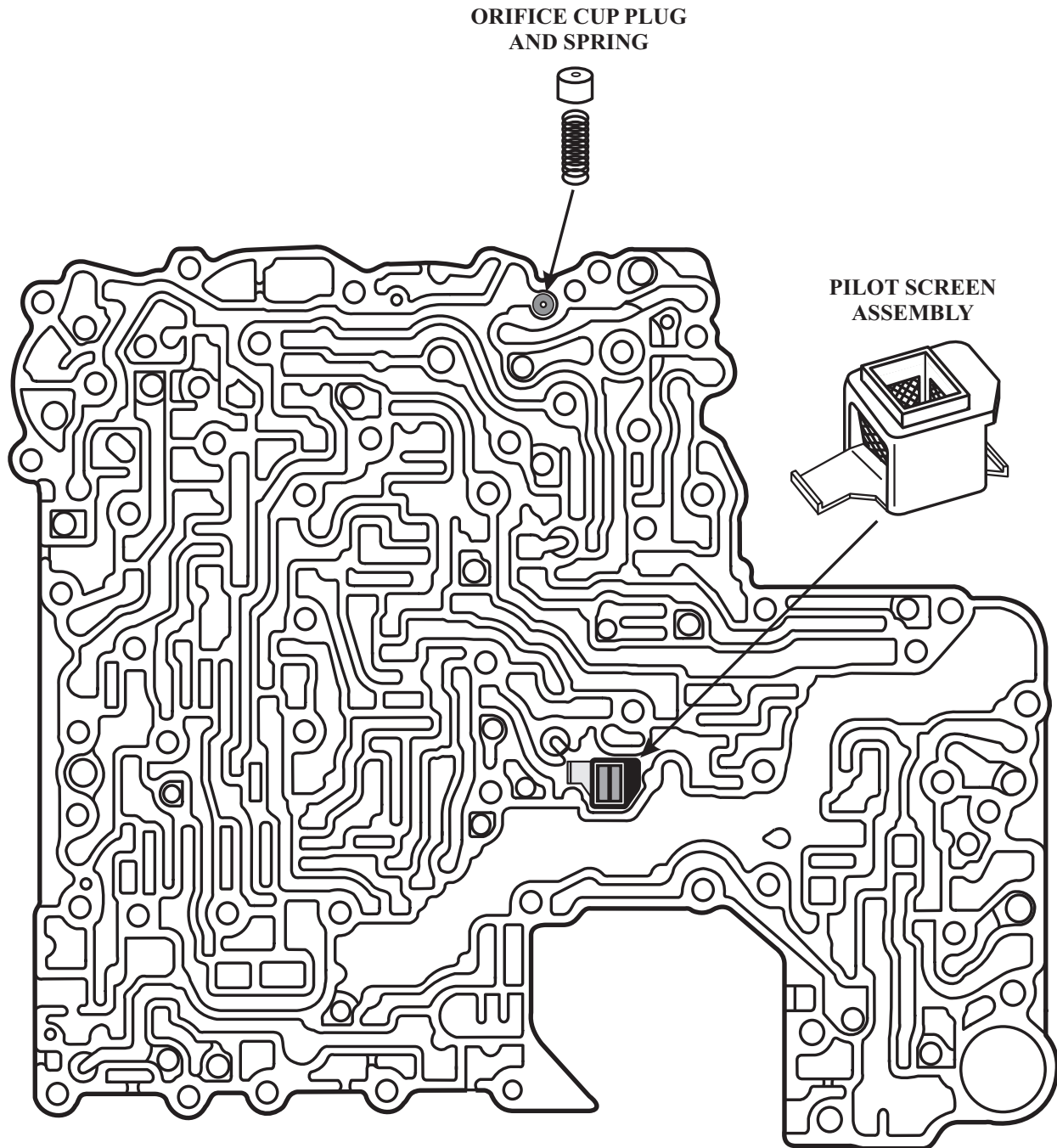
SUBARU 4-SPEED ALL MODELS CHECKBALL LOCATIONS

**MAIN VALVE BODY
REQUIRES NINE CHECKBALLS**

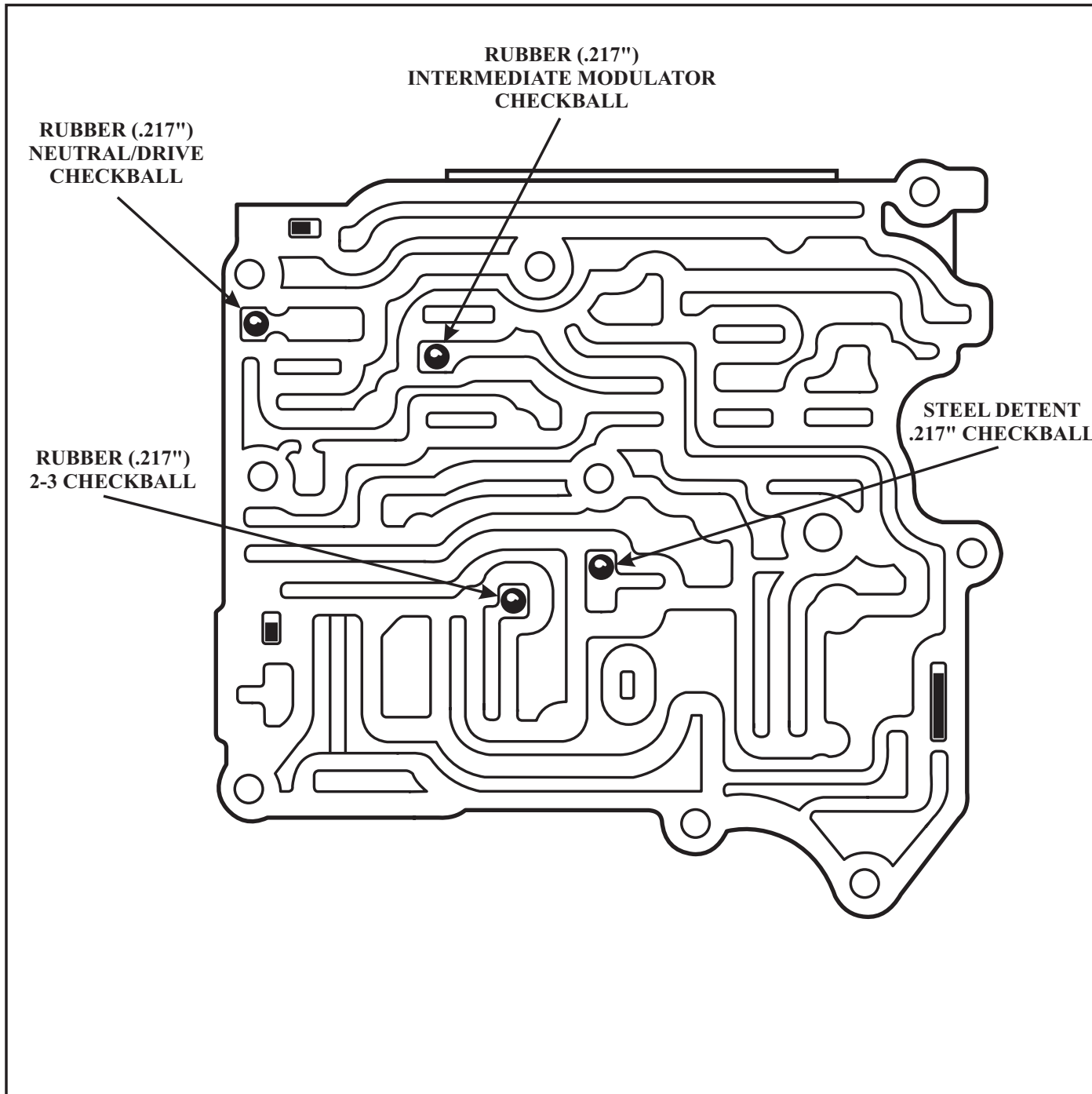


SUBARU 4-SPEED ALL MODELS SCREEN AND ORIFICE LOCATIONS

LOWER VALVE BODY

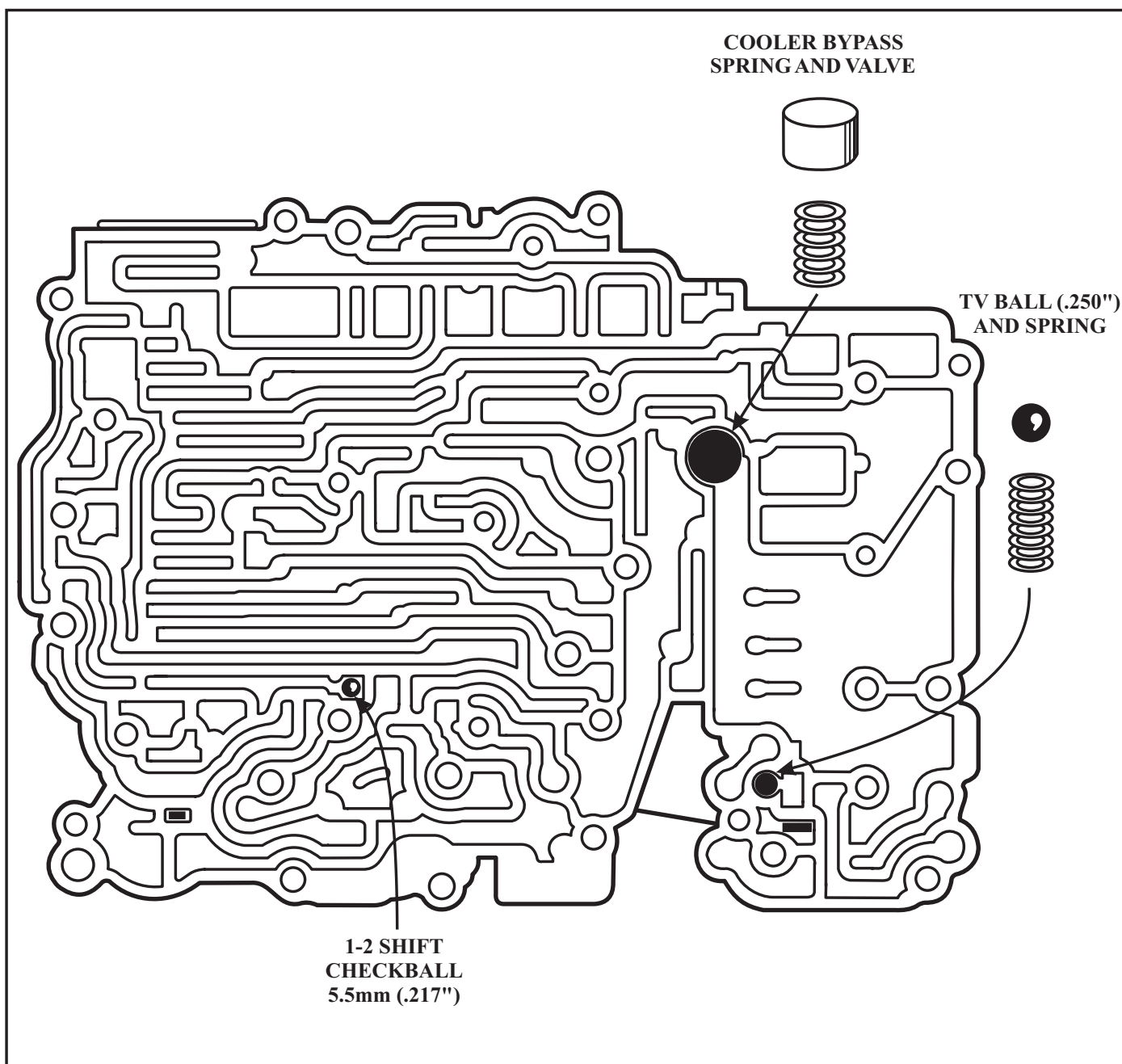


TOYOTA A40, A41, A43 "UPPER" VALVE BODY CHECKBALL LOCATION

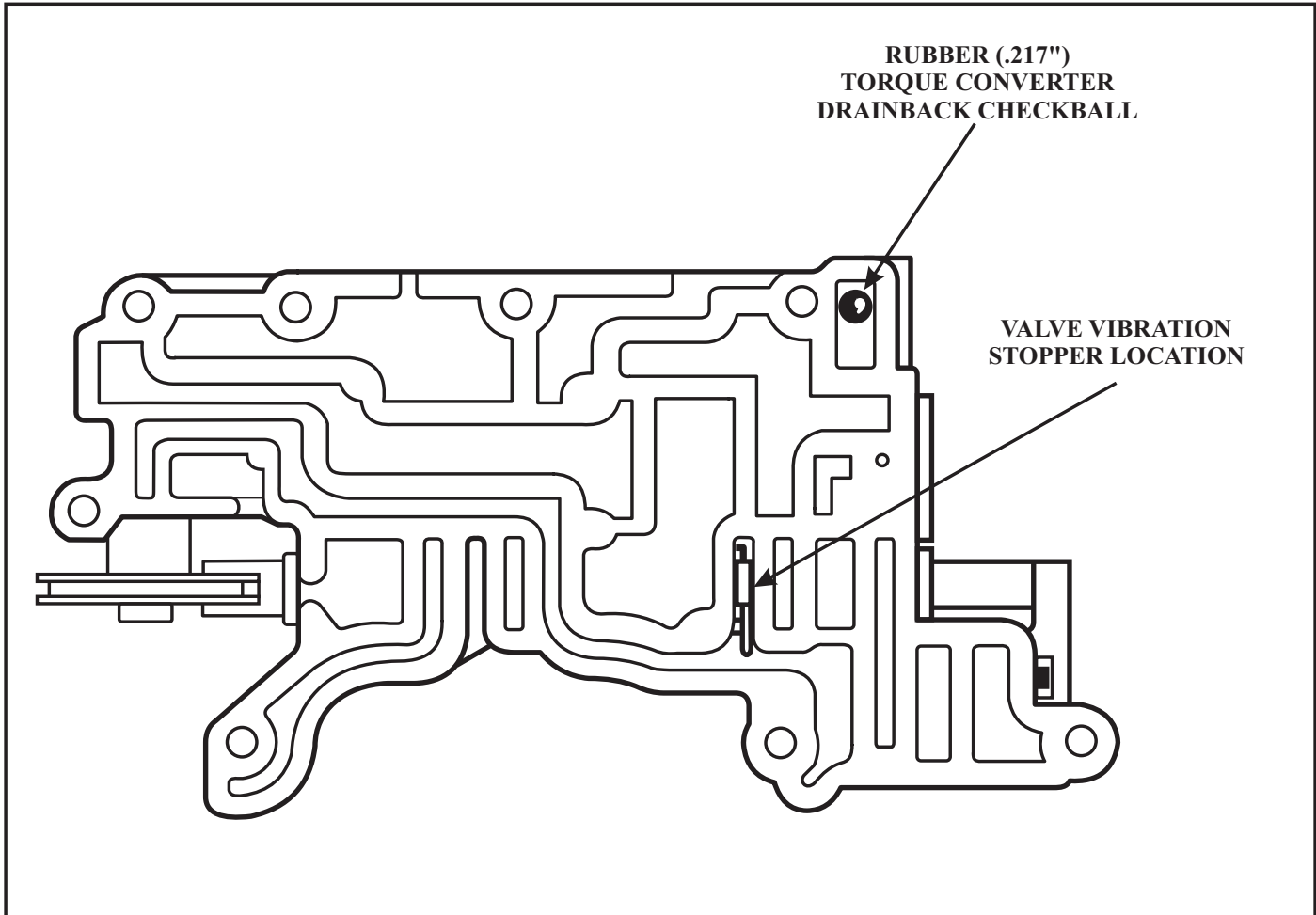


TOYOTA A40, A41, A43 'LOWER' VALVE BODY CHECKBALL AND VALVE LOCATIONS

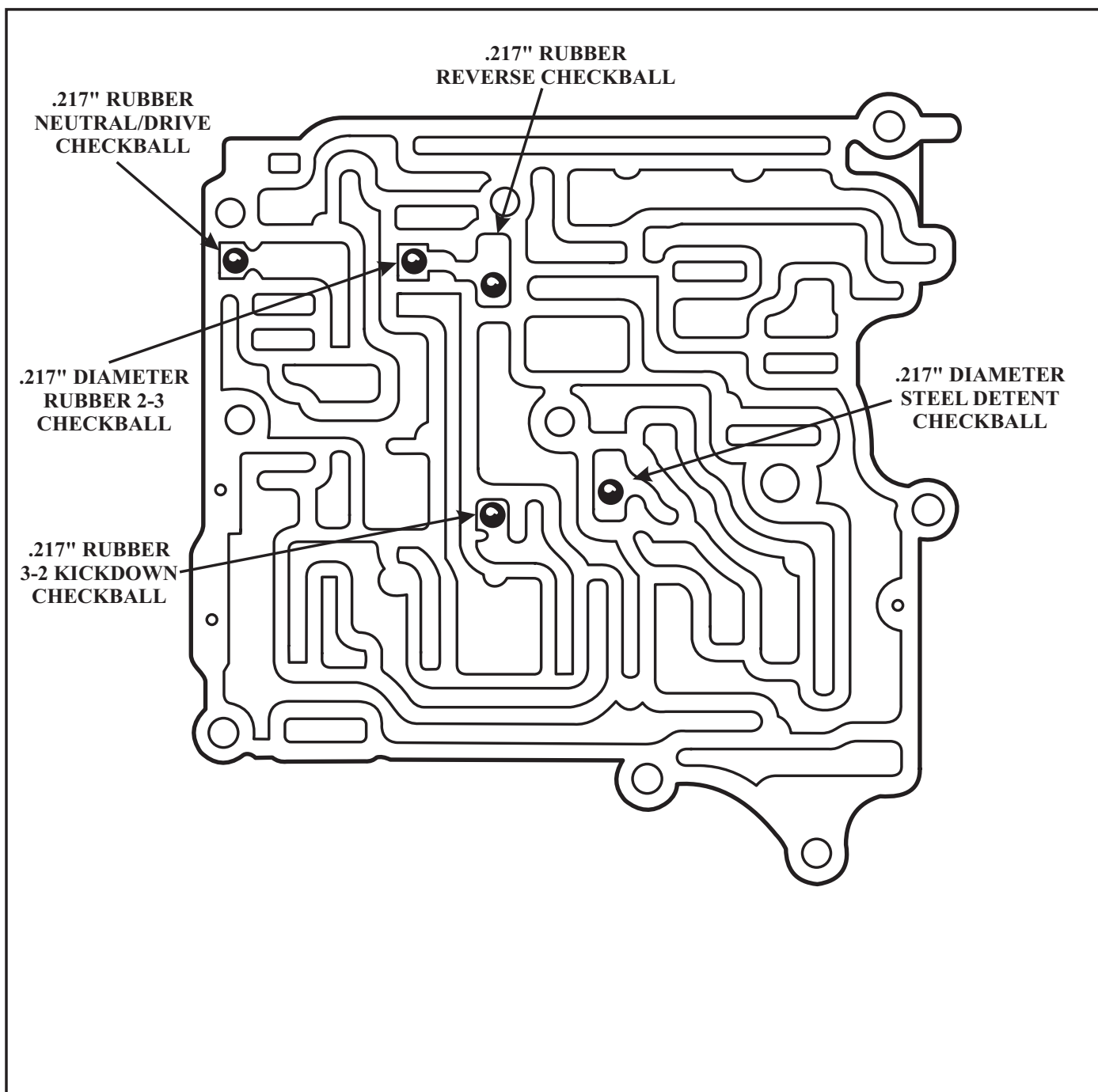
ProCarManuals.com



TOYOTA A40, A41, A43 THROTTLE VALVE BODY CHECKBALL LOCATION

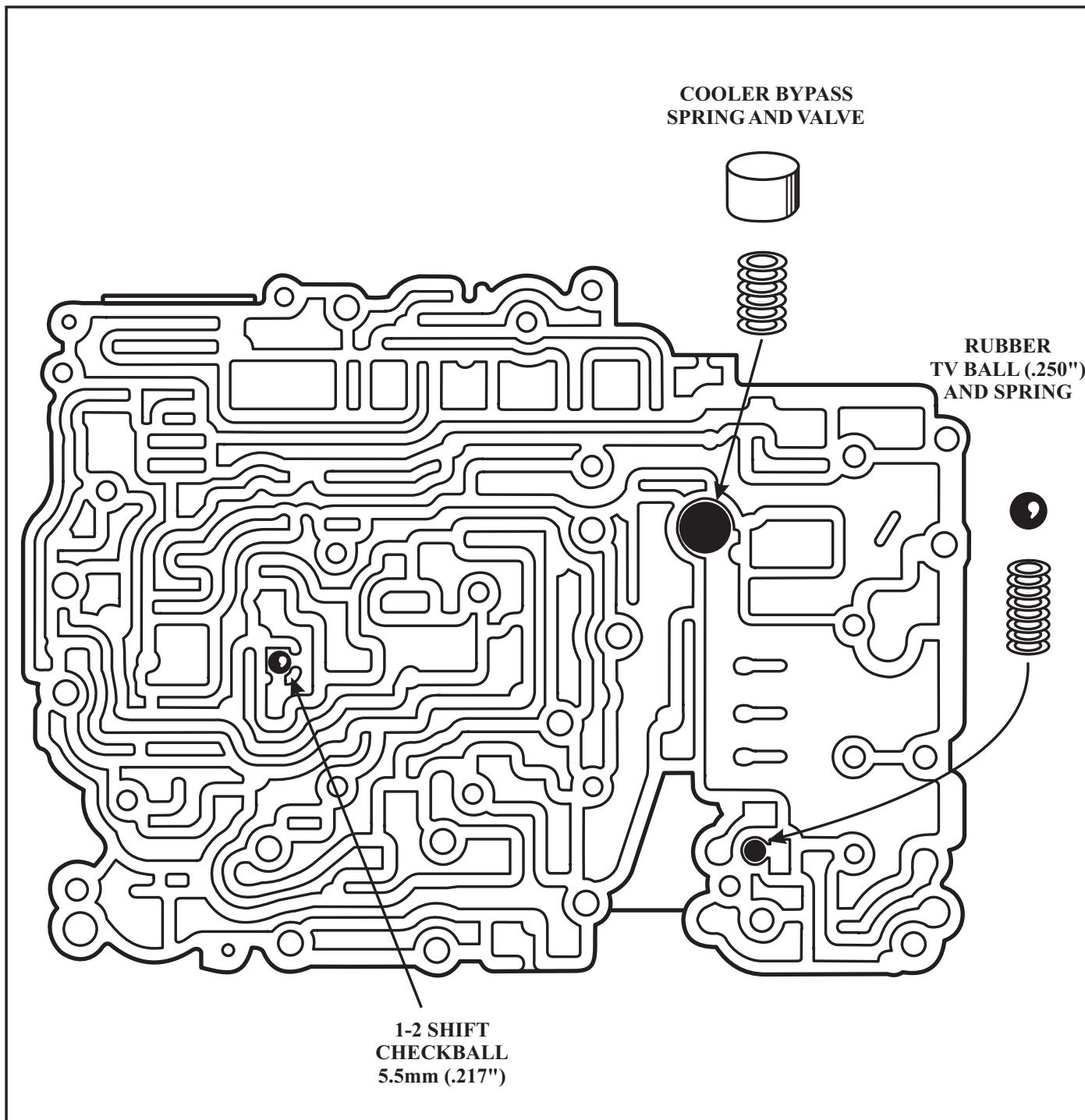


TOYOTA A40D "UPPER" VALVE BODY CHECKBALL LOCATION



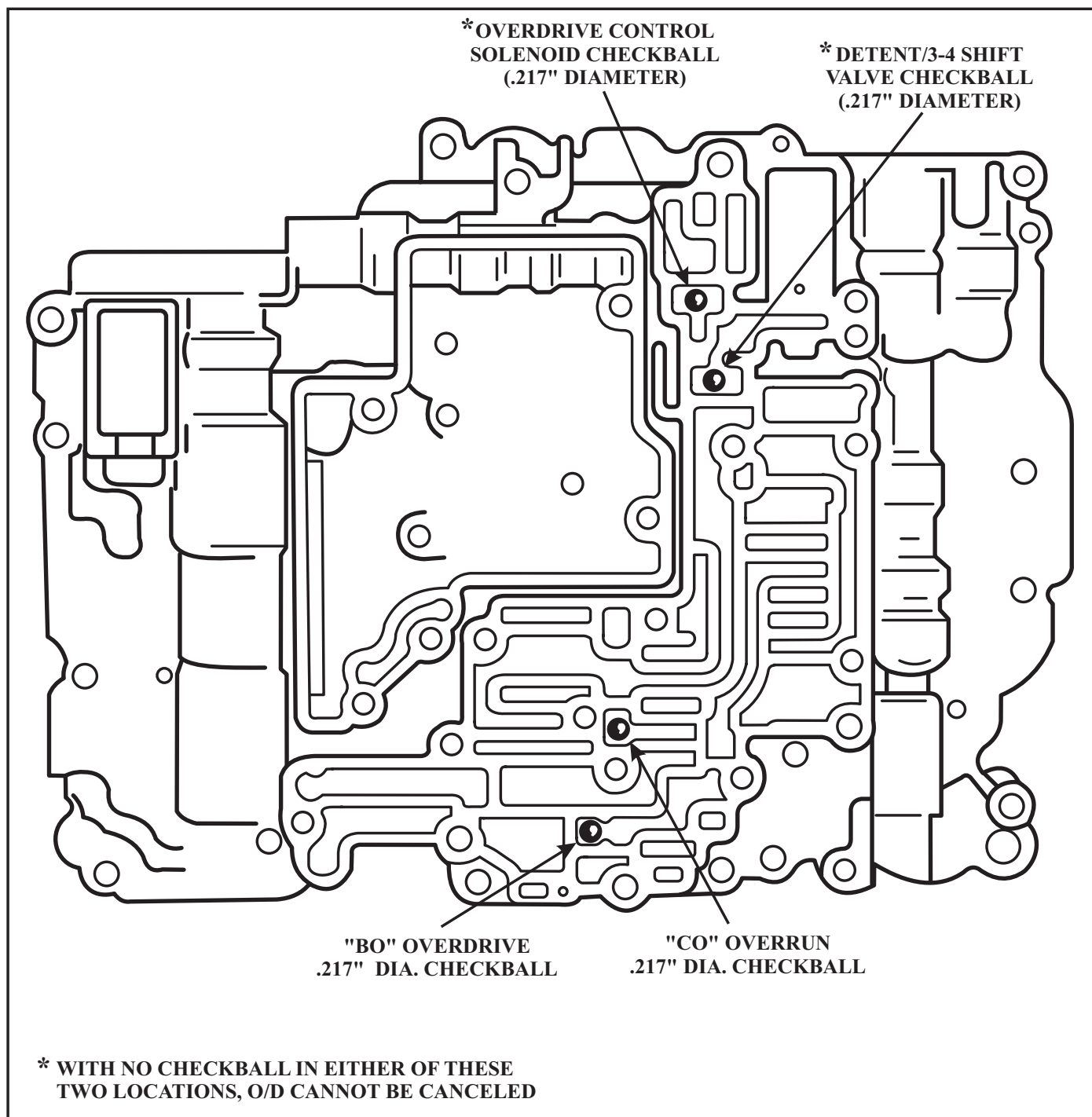
TOYOTA A40D "LOWER" VALVE BODY "CASE SIDE" CHECKBALL LOCATION

ProCarManuals.com

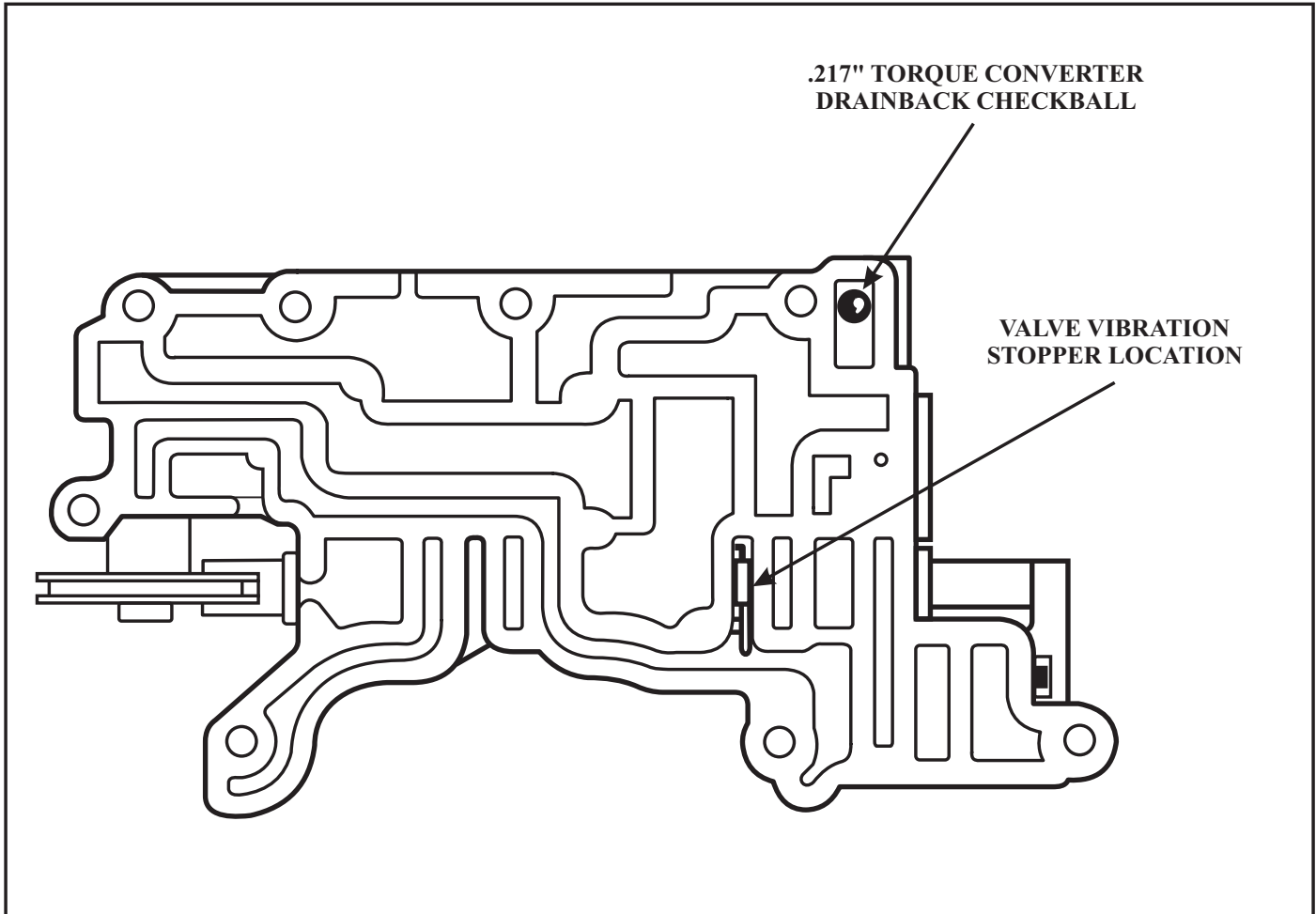


TOYOTA A40D "LOWER" VALVE BODY "FILTER SIDE" CHECKBALL LOCATION

ProCarManuals.com

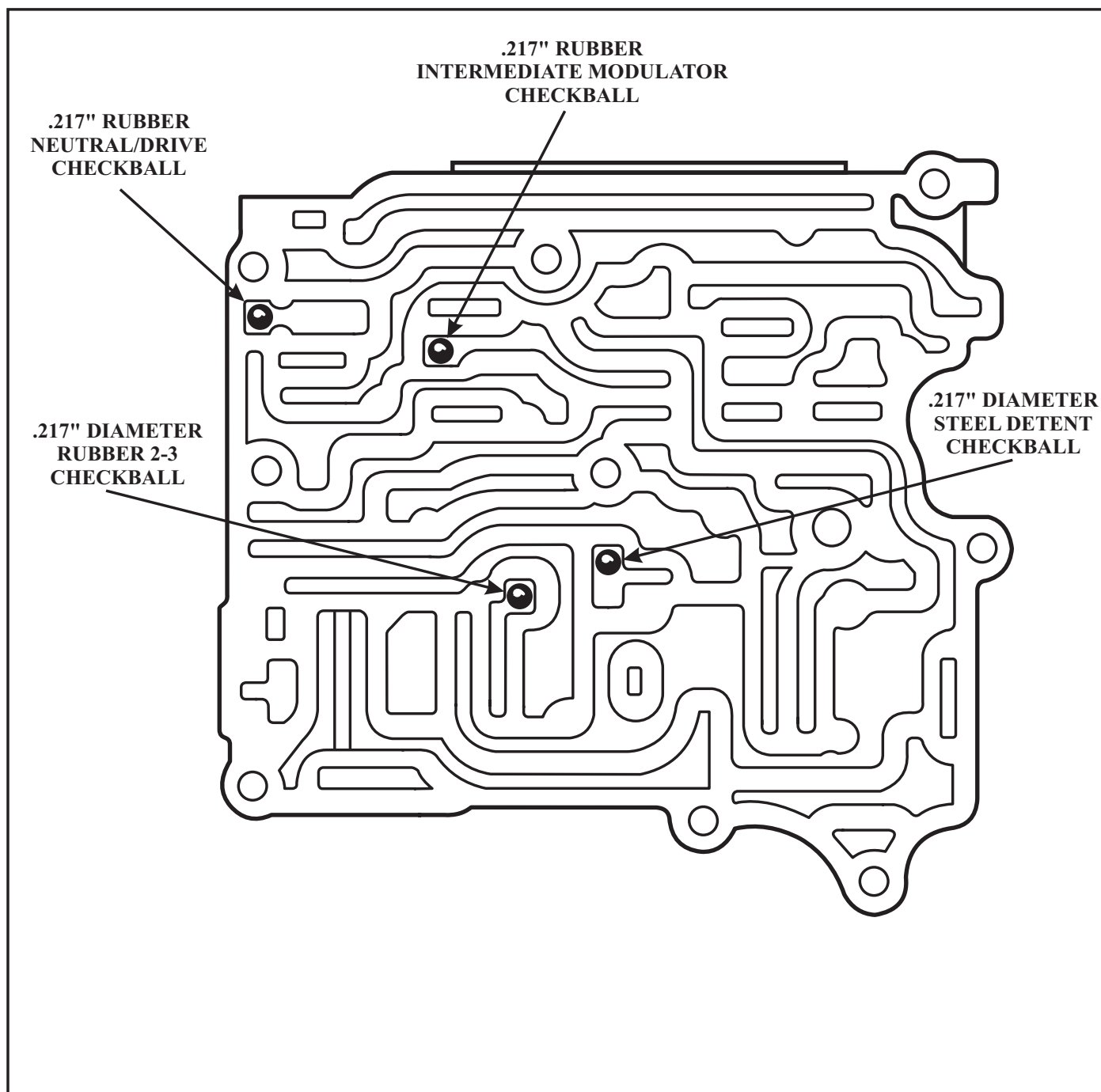


TOYOTA A40D THROTTLE VALVE BODY
CHECKBALL LOCATION



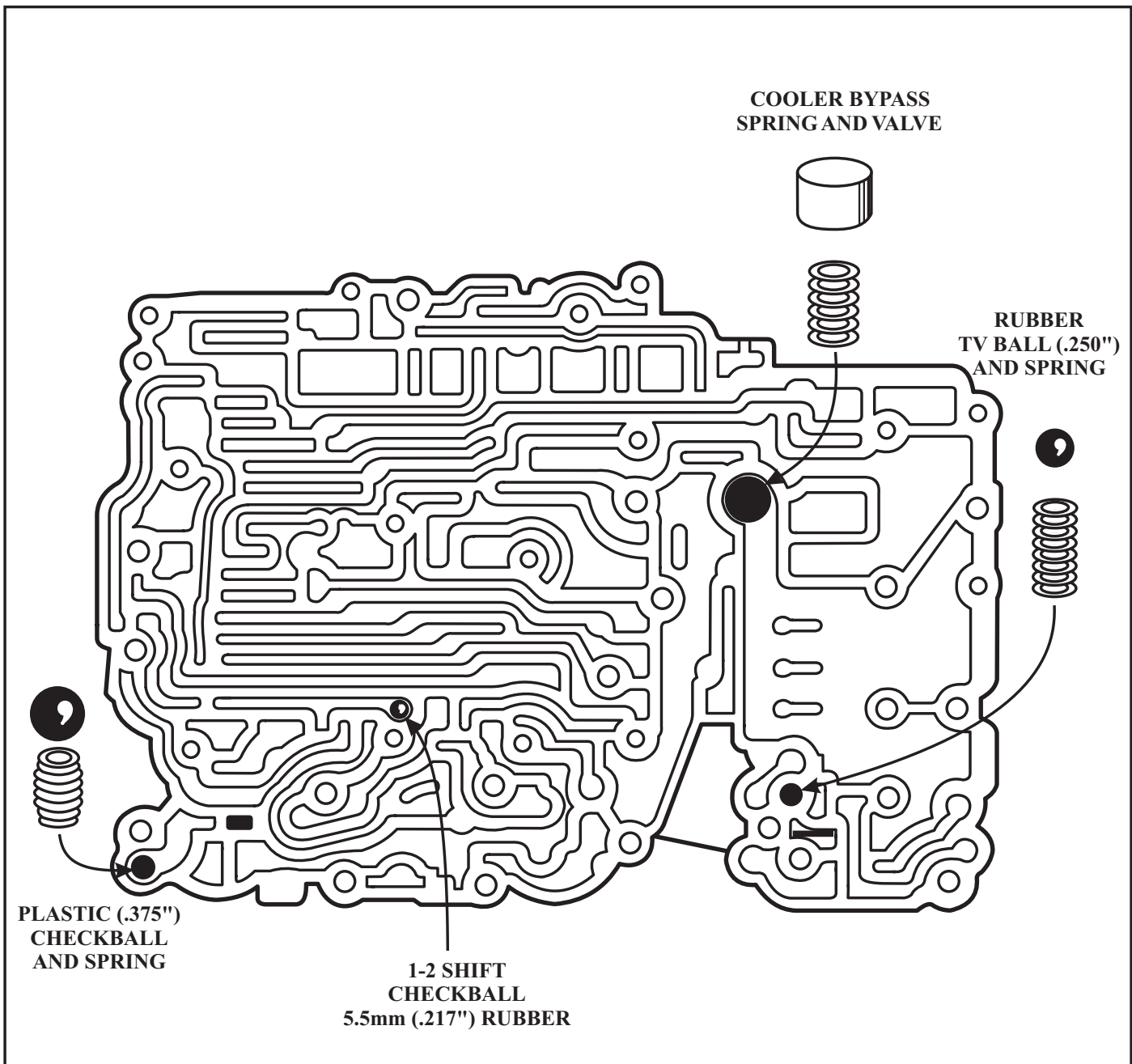
TOYOTA A42D, A43D, A44D "UPPER" VALVE BODY CHECKBALL LOCATION

ProCarManuals.com



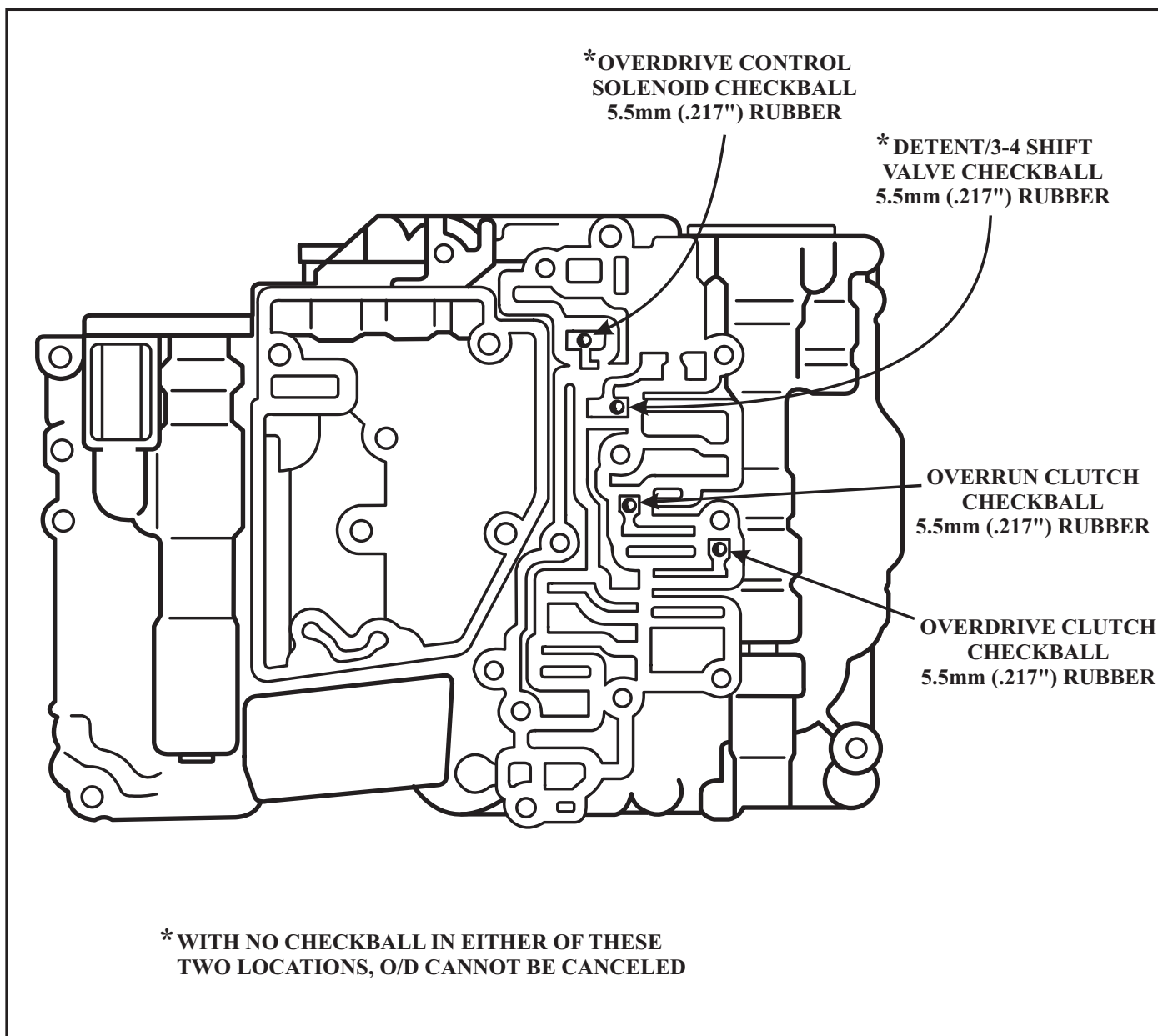
TOYOTA A42D, A43D, A44D "LOWER" VALVE BODY "CASE SIDE" CHECKBALL LOCATION

ProCarManuals.com

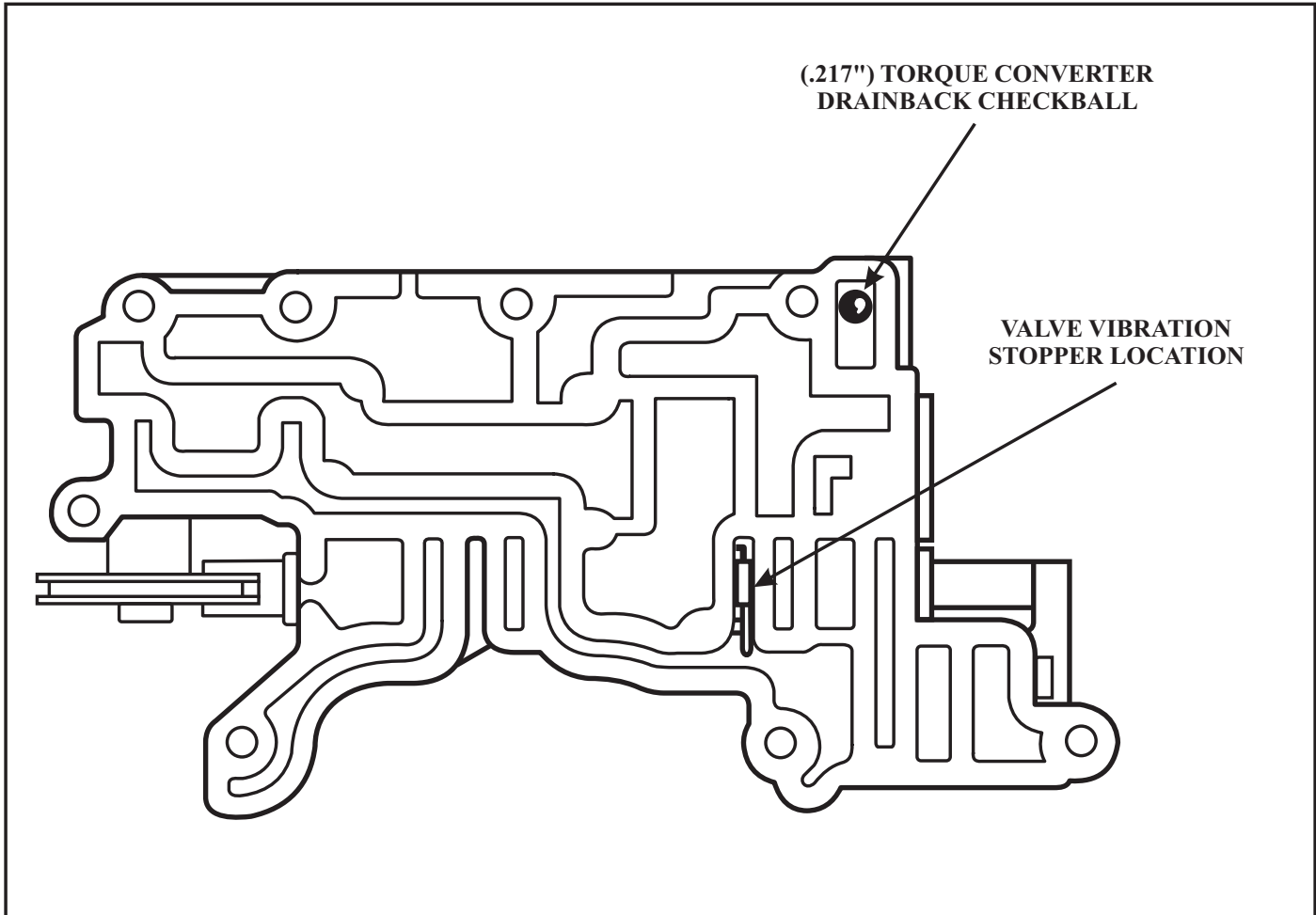


TOYOTA A42D, A43D, A44D "LOWER" VALVE BODY "FILTER SIDE" CHECKBALL LOCATION

ProCarManuals.com

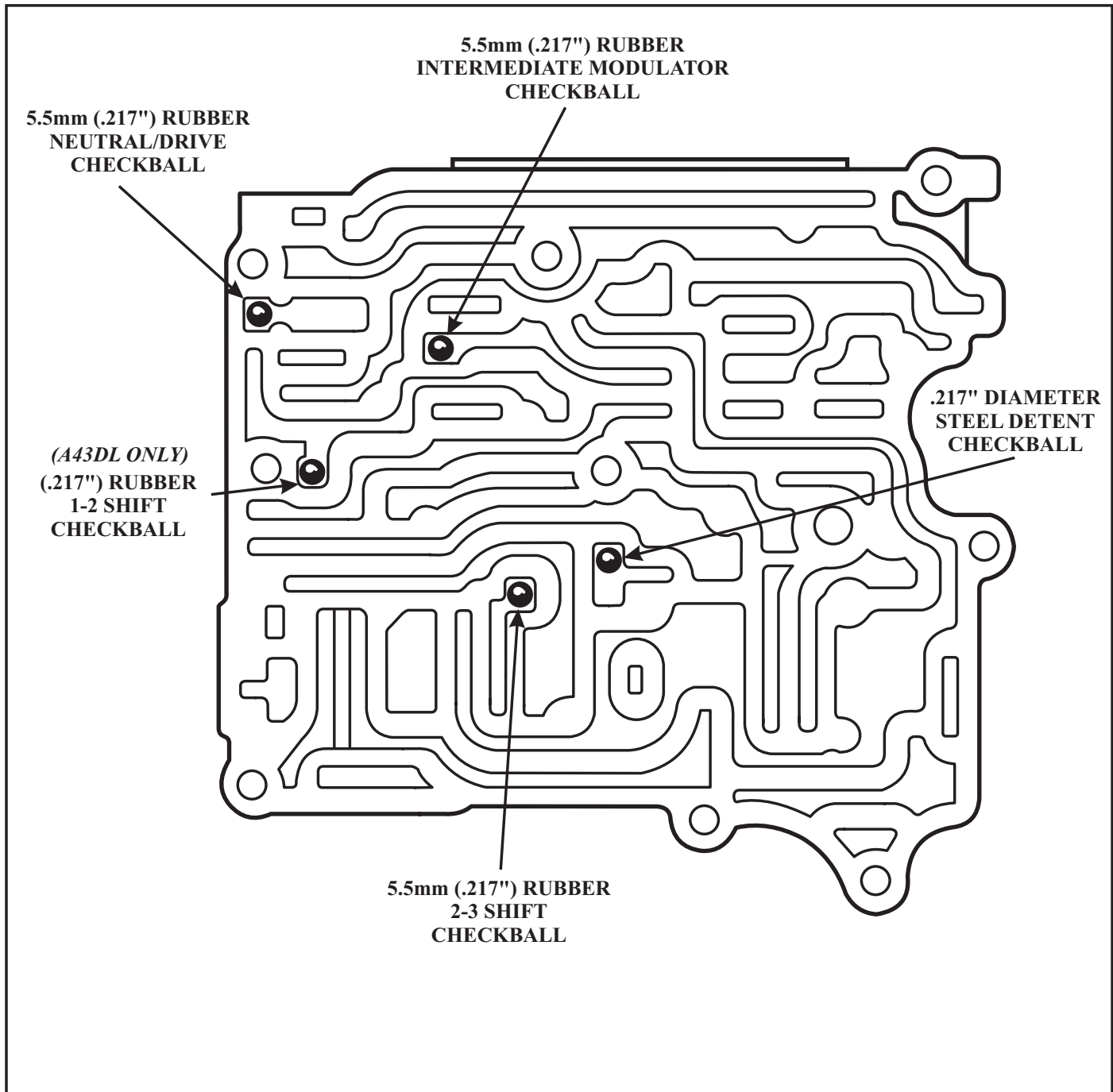


TOYOTA A42D, A43D, A44D THROTTLE VALVE BODY CHECKBALL LOCATION



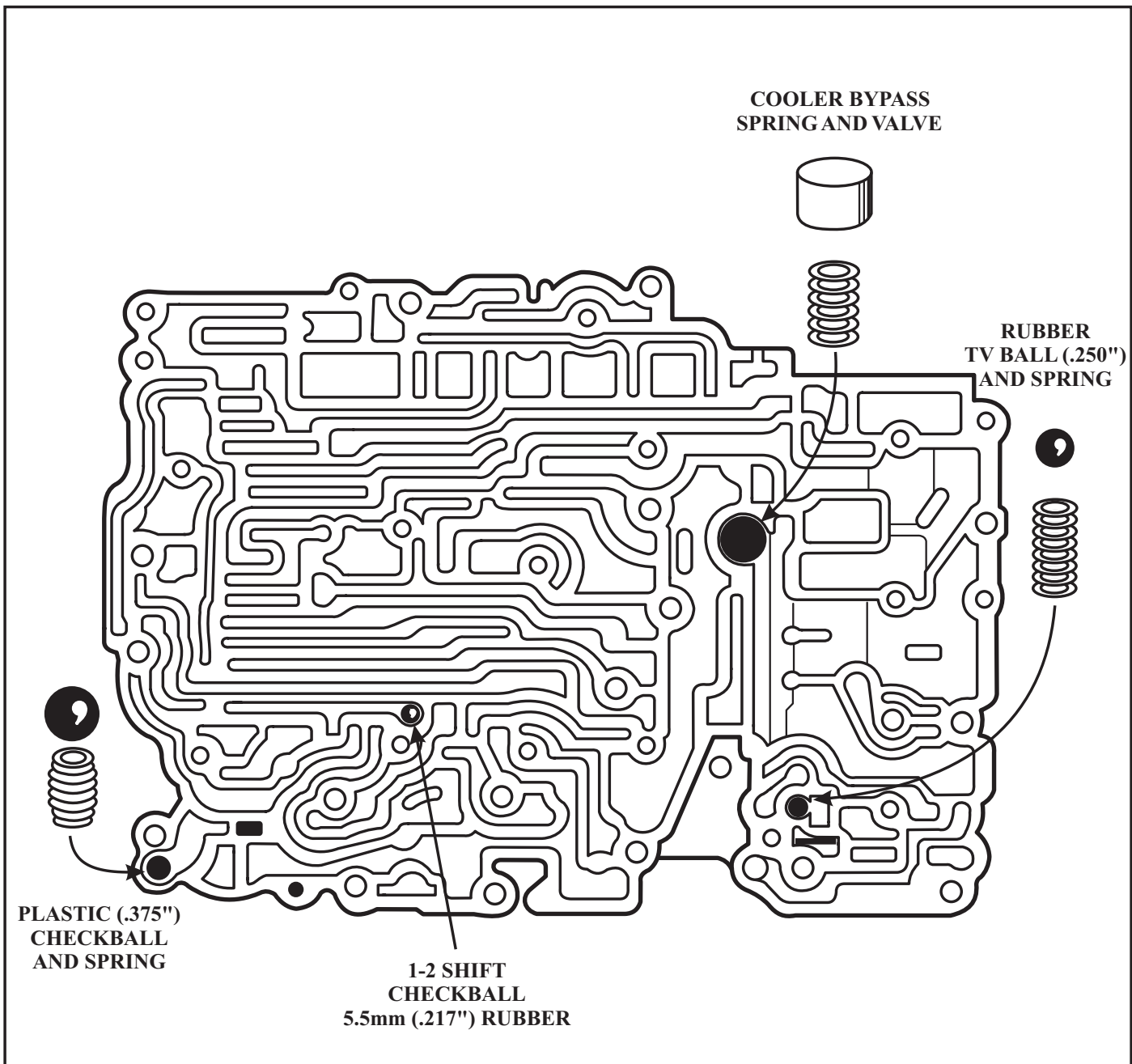
TOYOTA A43DL, A44DL, A45DL "UPPER" VALVE BODY CHECKBALL LOCATION

ProCarManuals.com

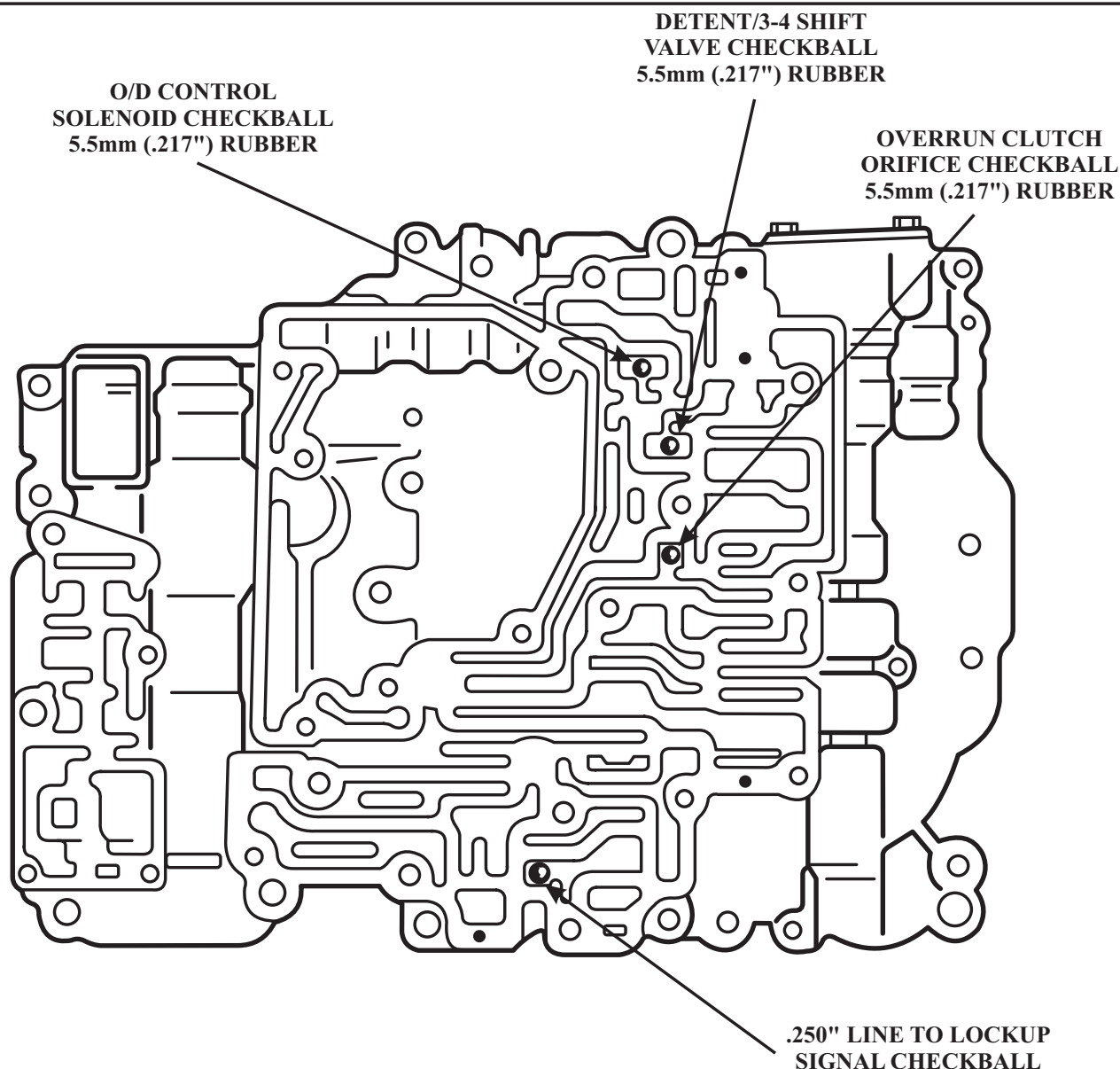


TOYOTA A43DL, A44DL, A45DL "LOWER" VALVE BODY "CASE SIDE" CHECKBALL LOCATION

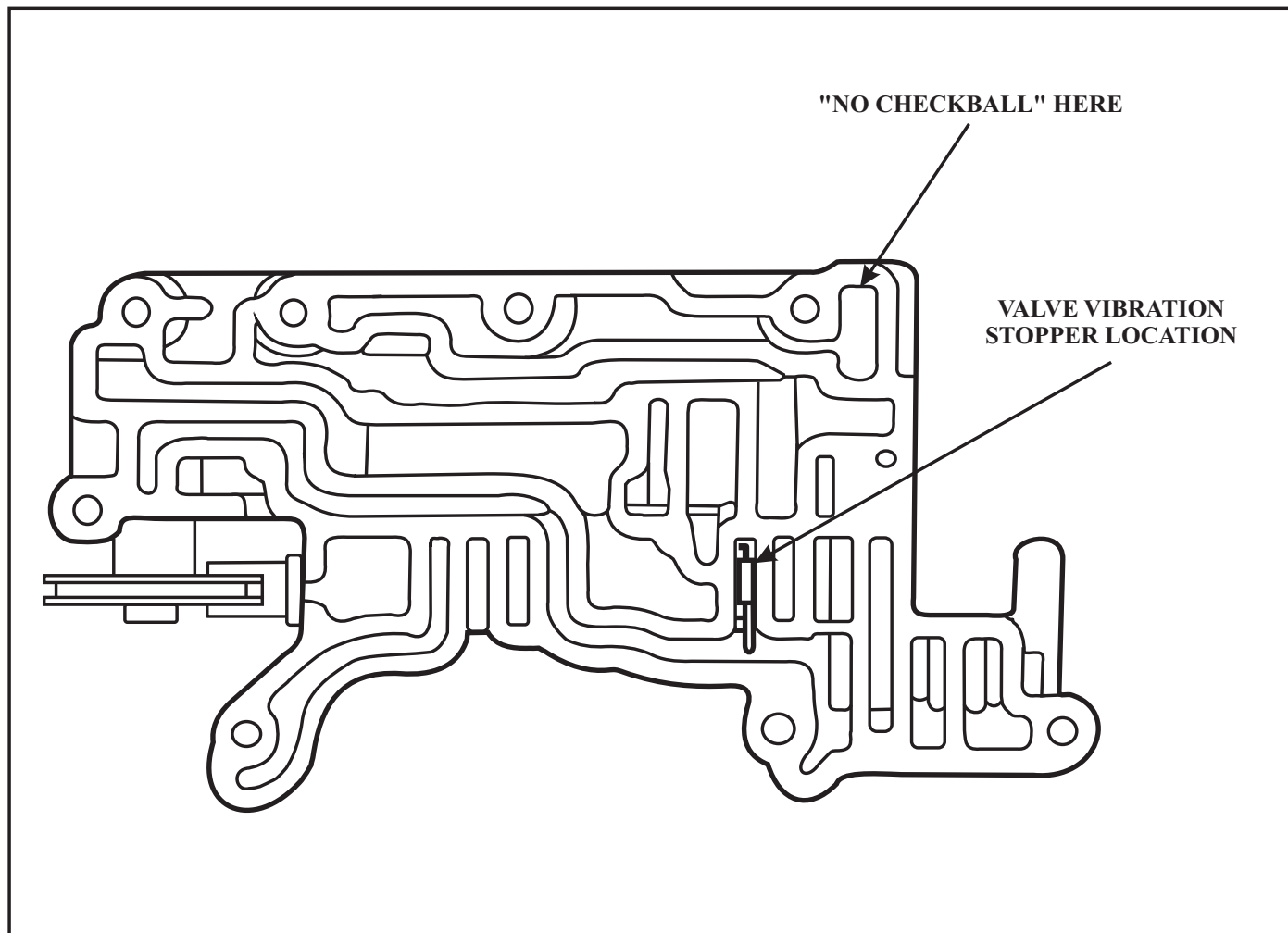
ProCarManuals.com



TOYOTA A43DL, A44DL, A45DL "LOWER" VALVE BODY "FILTER SIDE" CHECKBALL LOCATION



TOYOTA A43DL, A44DL, A45DL THROTTLE VALVE BODY CHECKBALL LOCATION



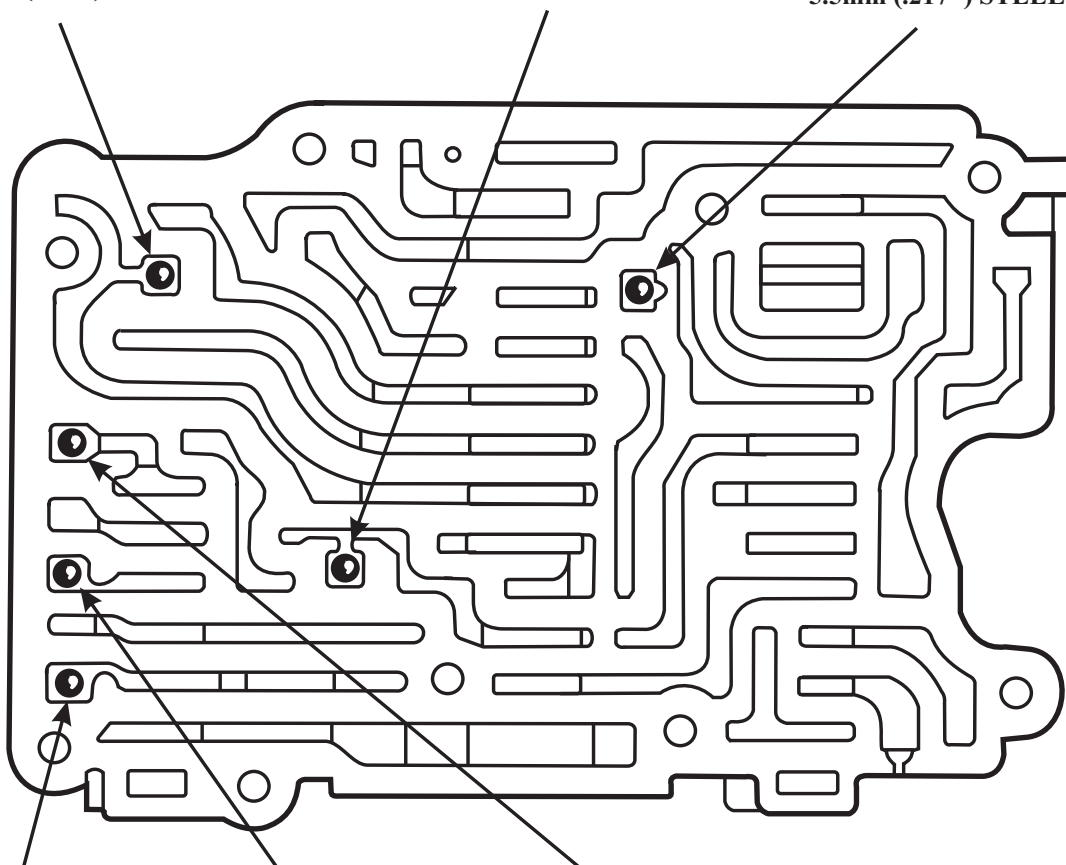
TOYOTA A43DE SERIES TRANSMISSION

"UPPER" VALVE BODY CHECKBALL LOCATIONS

INTERMEDIATE CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

MANUAL SECOND
FEED ORIFICE BALL
5.5mm (.217") STEEL

DIRECT CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL



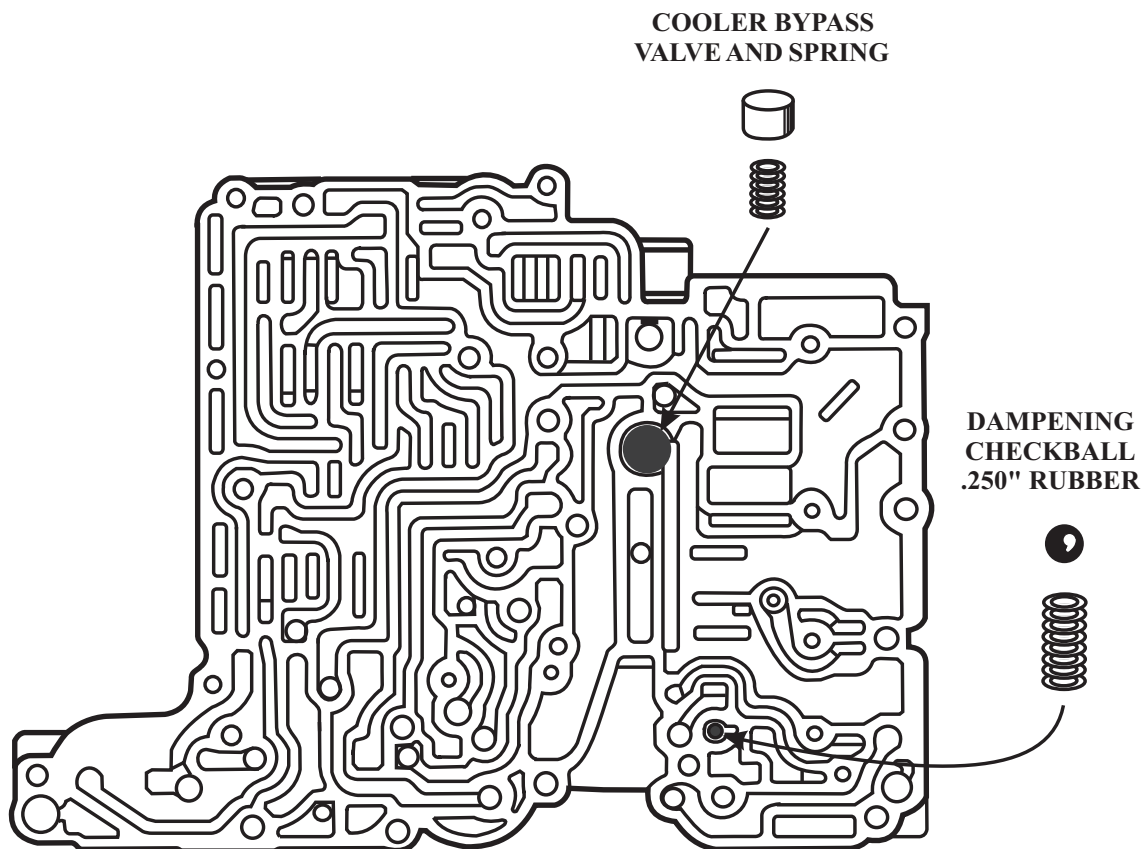
FORWARD CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

OVERDRIVE CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

OVERRUN CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

TOYOTA A43DE SERIES TRANSMISSION

"LOWER" VALVE BODY BALL AND VALVE LOCATIONS



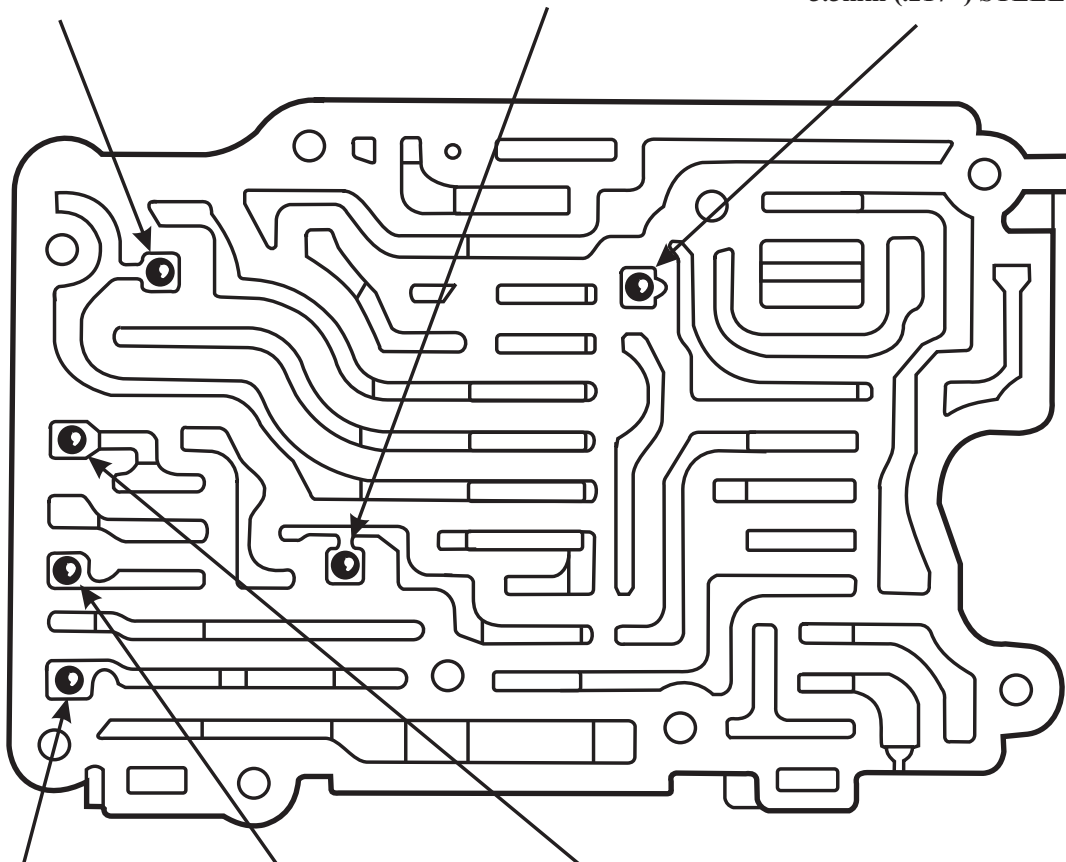
TOYOTA A46DE, A46DF SERIES TRANSMISSION

"UPPER" VALVE BODY CHECKBALL LOCATIONS

INTERMEDIATE CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

MANUAL SECOND
FEED ORIFICE BALL
5.5mm (.217") STEEL

DIRECT CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL



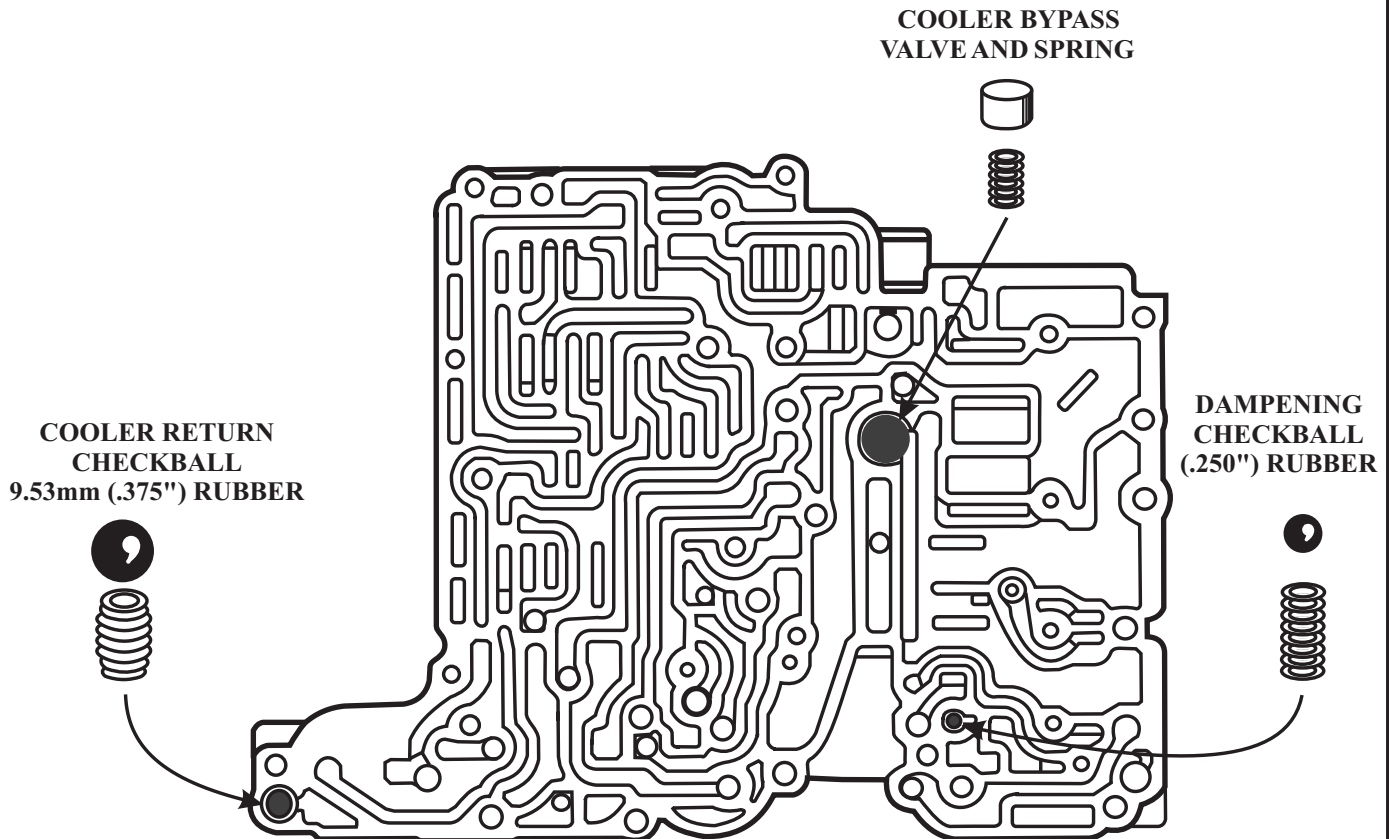
FORWARD CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

OVERDRIVE CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

OVERRUN CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

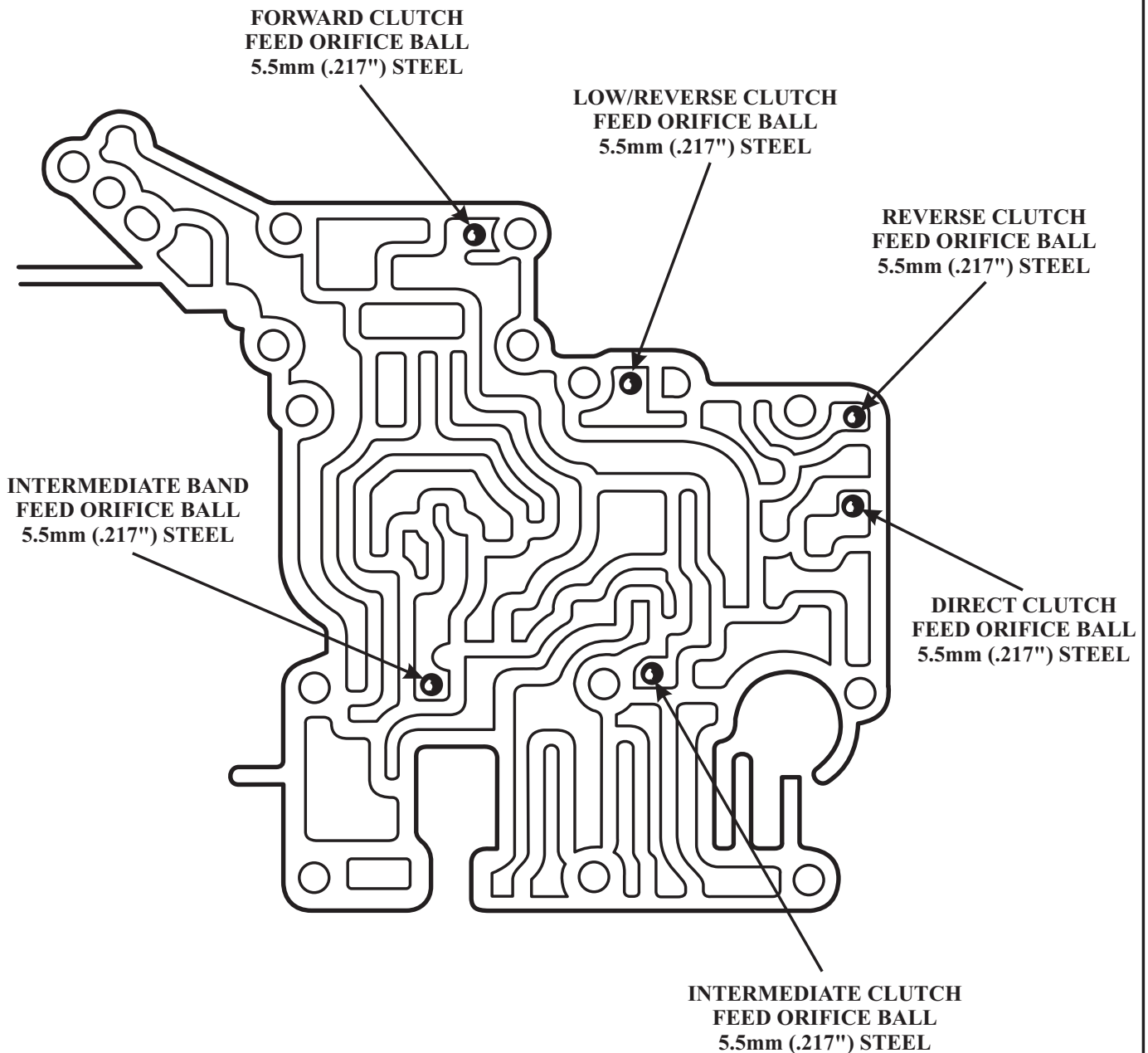
TOYOTA A46DE, A46DF SERIES TRANSMISSION

"LOWER" VALVE BODY BALL AND VALVE LOCATIONS



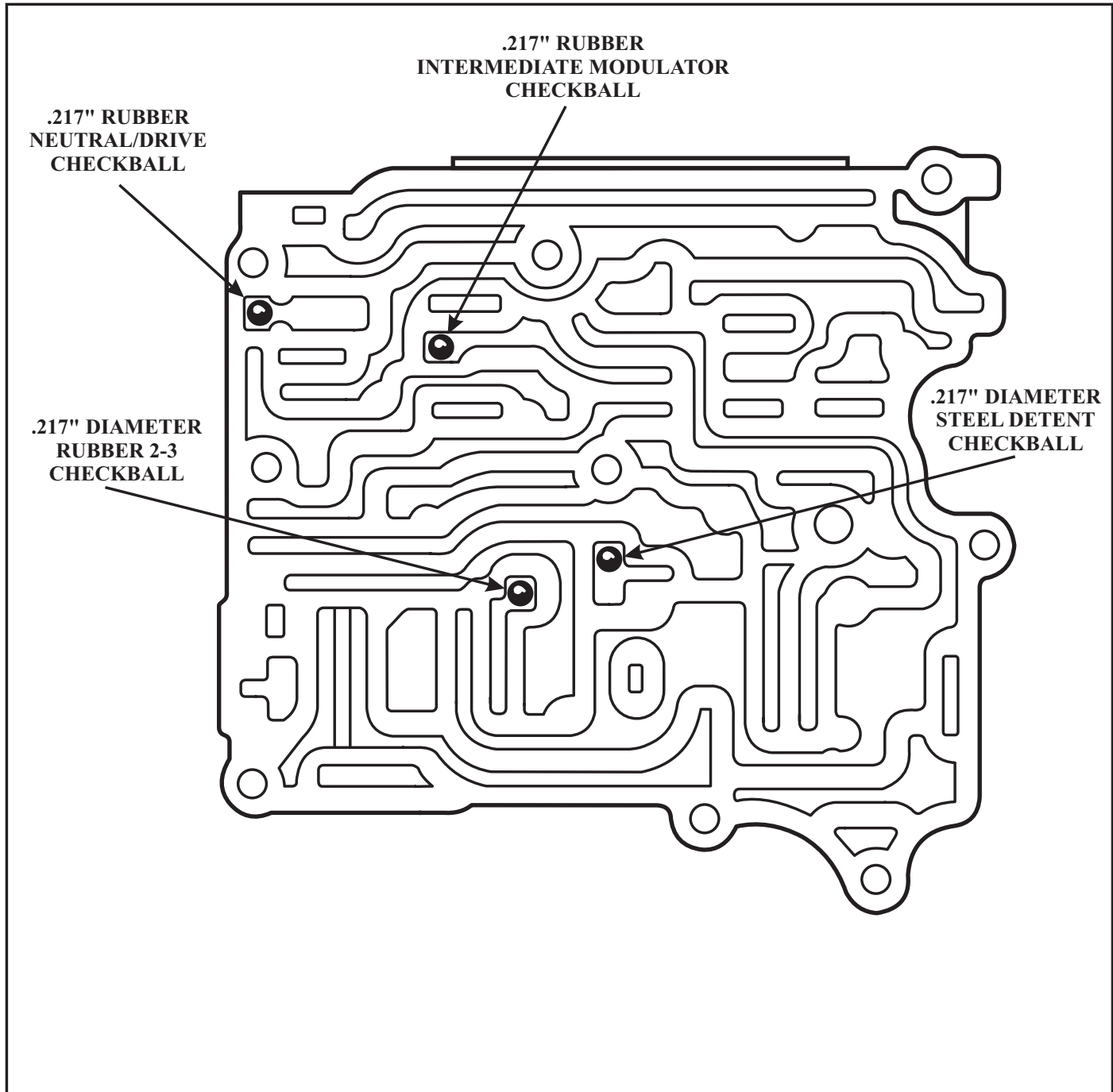
TOYOTA A55, A55F SERIES TRANSMISSIONS 1980-1988 TOYOTA TERCEL

CASE CHECKBALL LOCATIONS

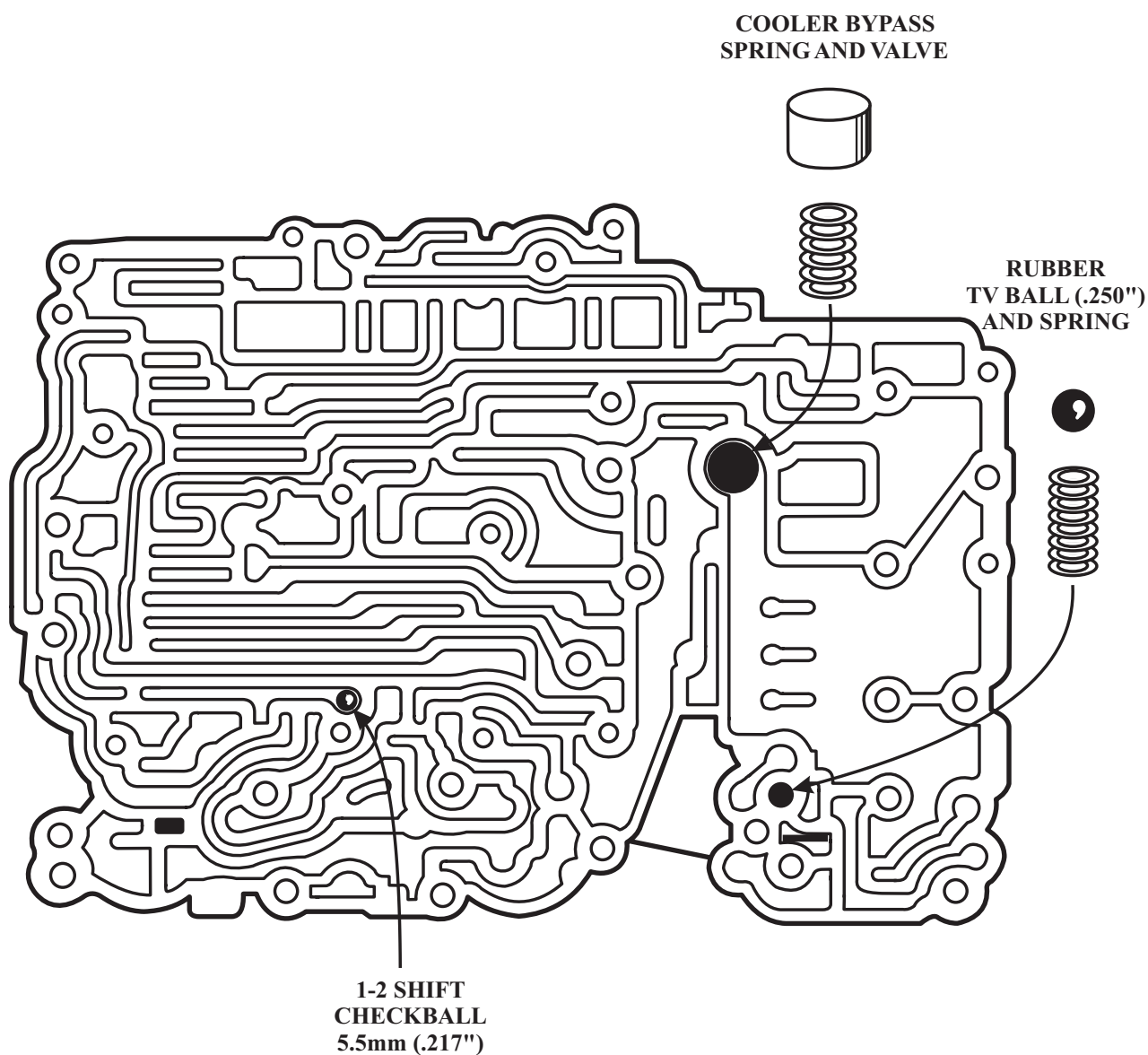


ad

TOYOTA AW55, AW70, AW71 "UPPER" VALVE BODY CHECKBALL LOCATION

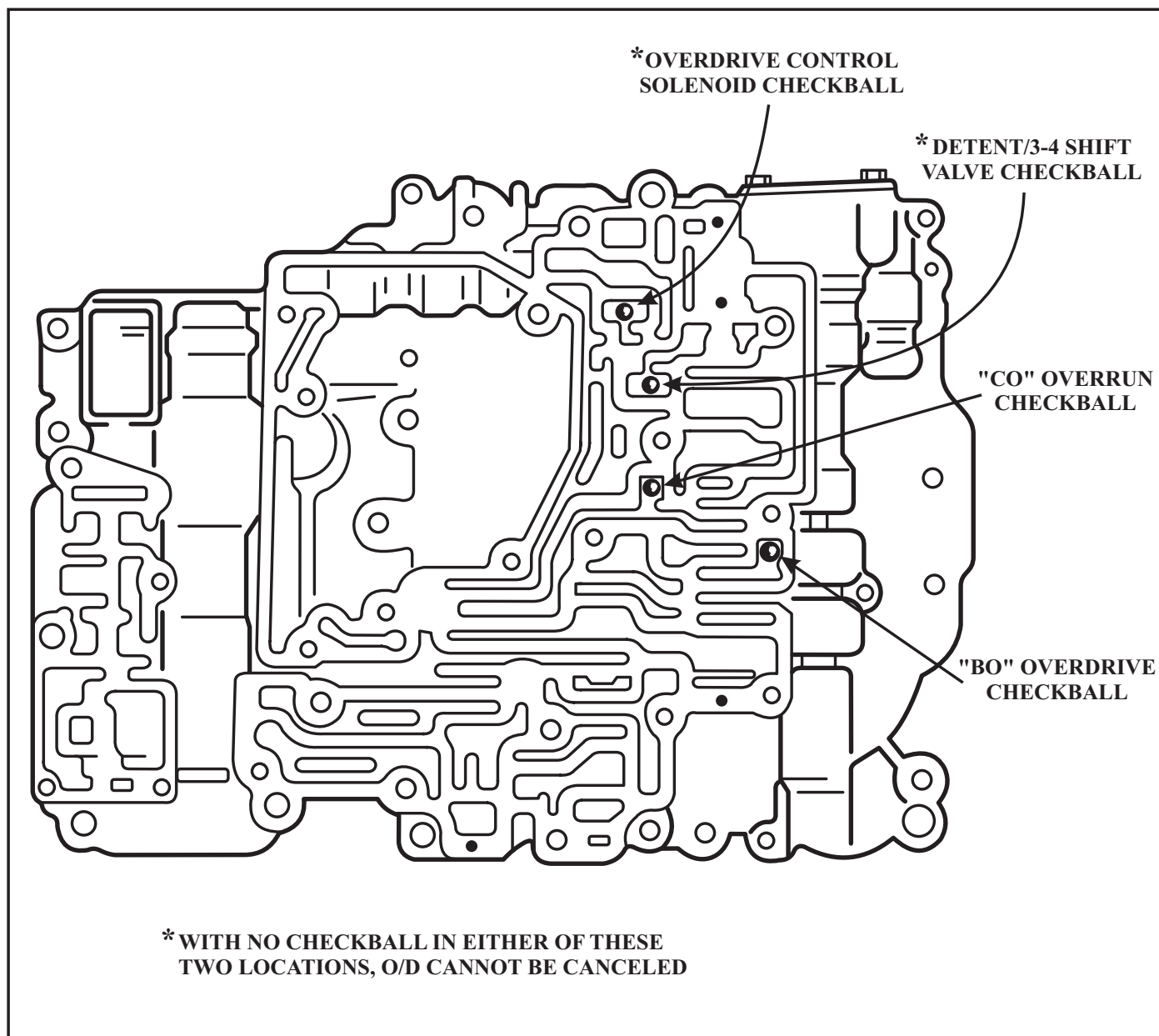


TOYOTA AW55, AW70, AW71 "LOWER" VALVE BODY "CASE SIDE" CHECKBALL LOCATION

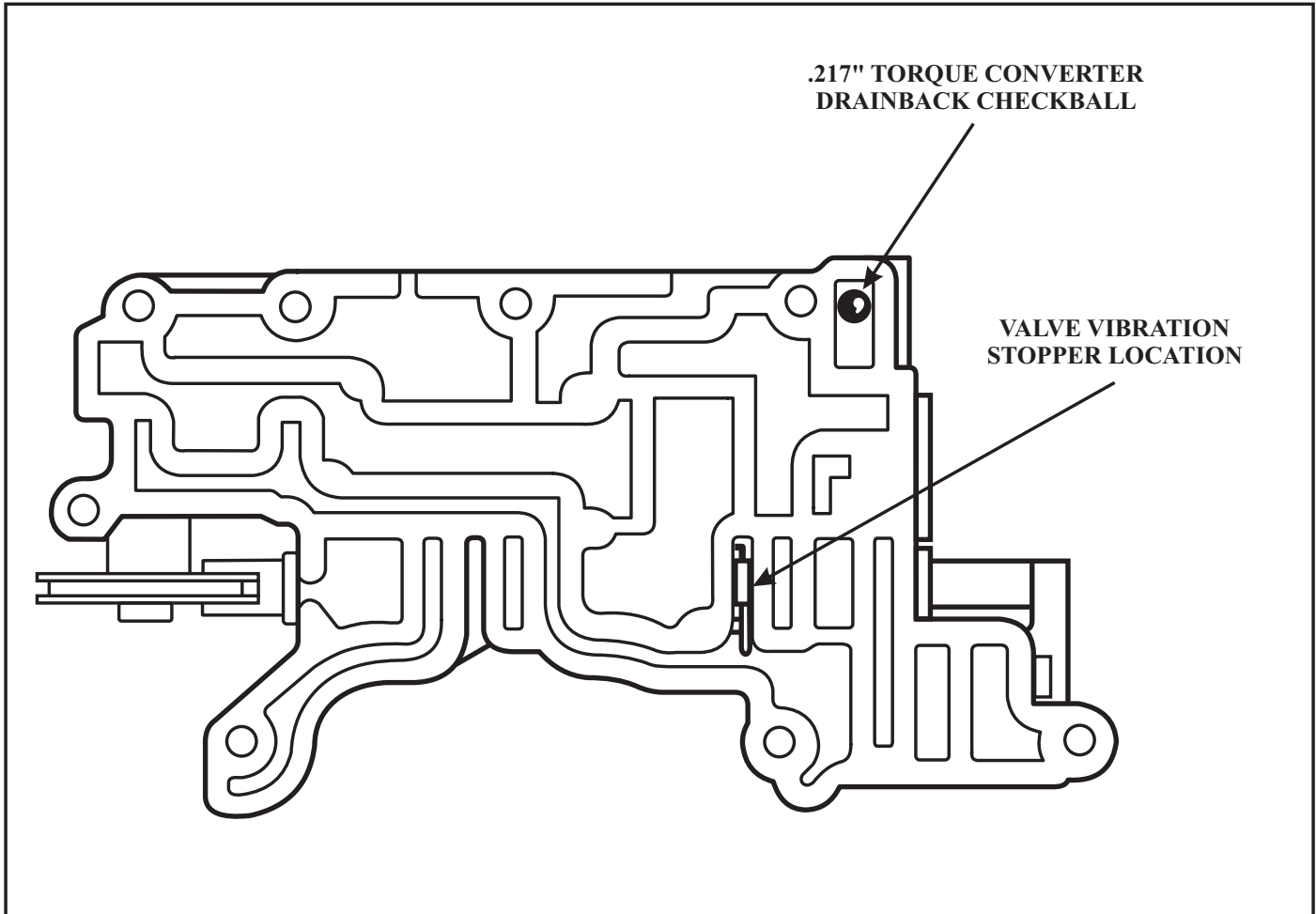


TOYOTA AW55, AW70, AW71 "LOWER" VALVE BODY "FILTER SIDE" CHECKBALL LOCATION

ProCarManuals.com



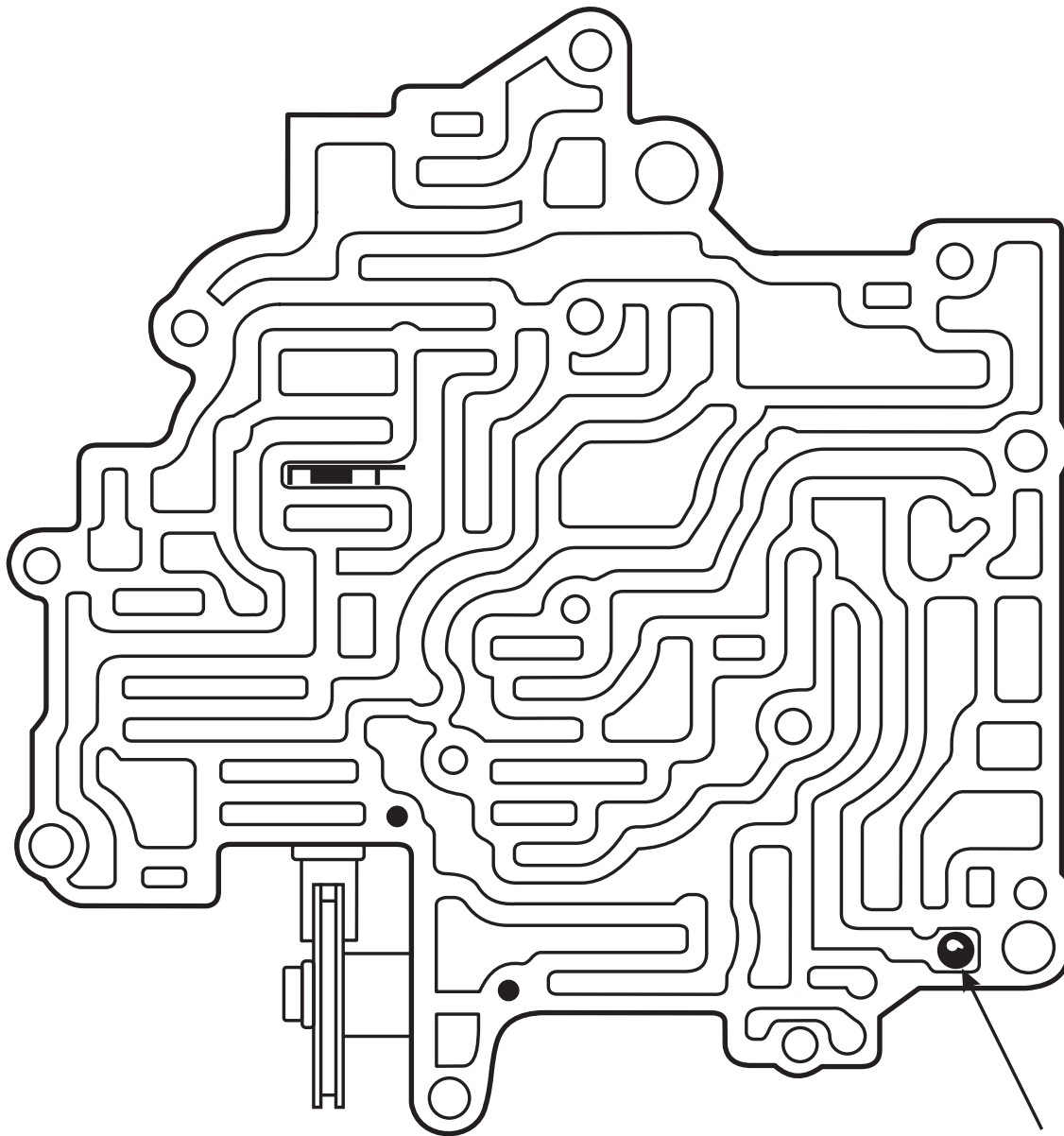
TOYOTA AW55,AW70,AW71 THROTTLE VALVE BODY CHECKBALL LOCATION



TOYOTA A130L, A131L, A132L SERIES TRANSMISSIONS

COROLLA 1984-1995 1.6L AND TERCEL 1988-1995 1.5L

"UPPER" VALVE BODY CHECKBALL LOCATIONS



FORWARD CLUTCH
FEED ORIFICE
5.5mm (.217") RUBBER

TOYOTA A130L, A131L, A132L SERIES TRANSMISSIONS

COROLLA 1984-1995 1.6L AND TERCEL 1988-1995 1.5L

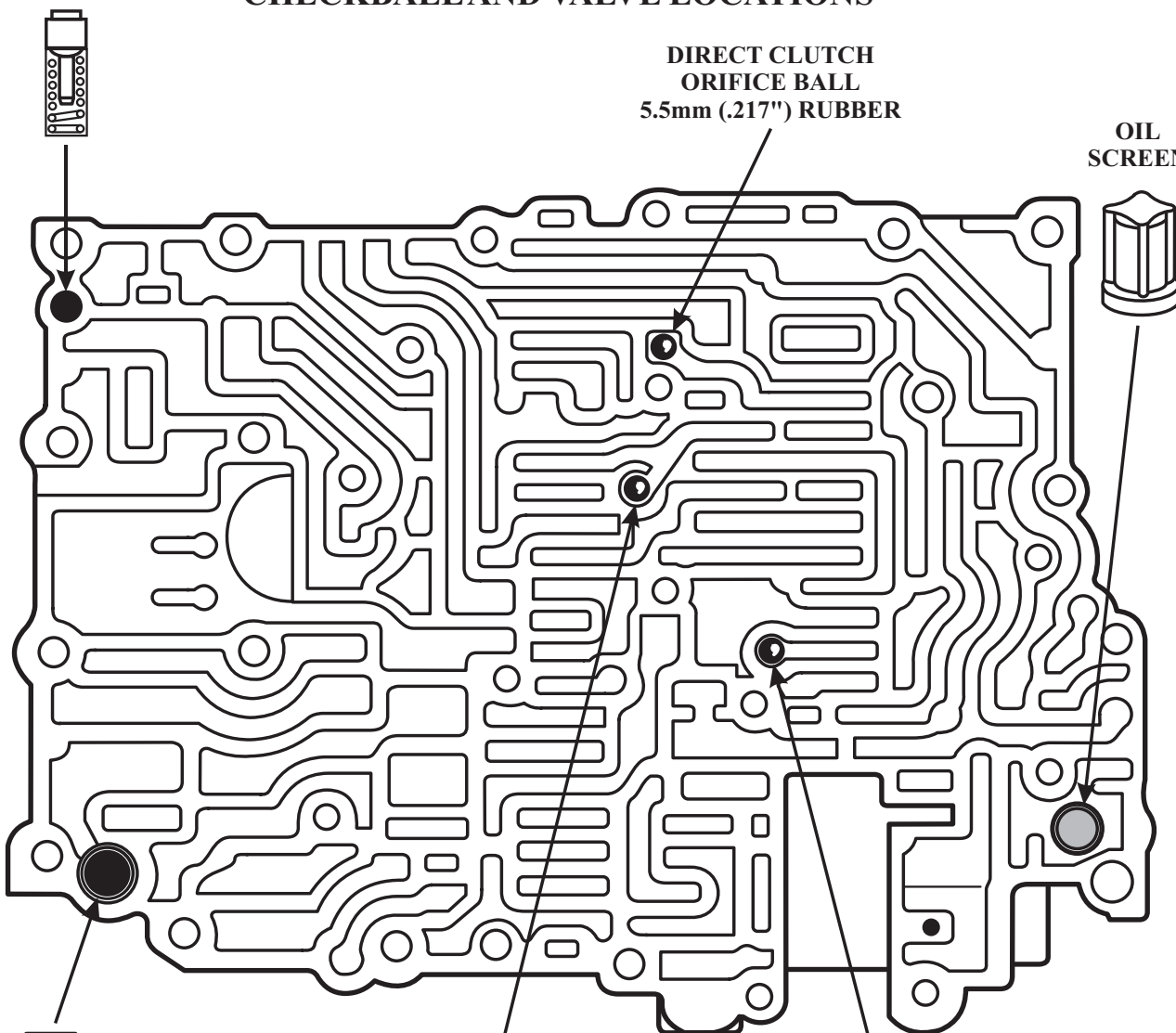
ProCarManuals.com

PRESSURE
RELIEF VALVE

"LOWER" VALVE BODY CHECKBALL AND VALVE LOCATIONS

DIRECT CLUTCH
ORIFICE BALL
5.5mm (.217") RUBBER

OIL
SCREEN



OIL COOLER
BYPASS VALVE

INTERMEDIATE CLUTCH
ORIFICE CHECKBALL
5.5mm (.217") RUBBER

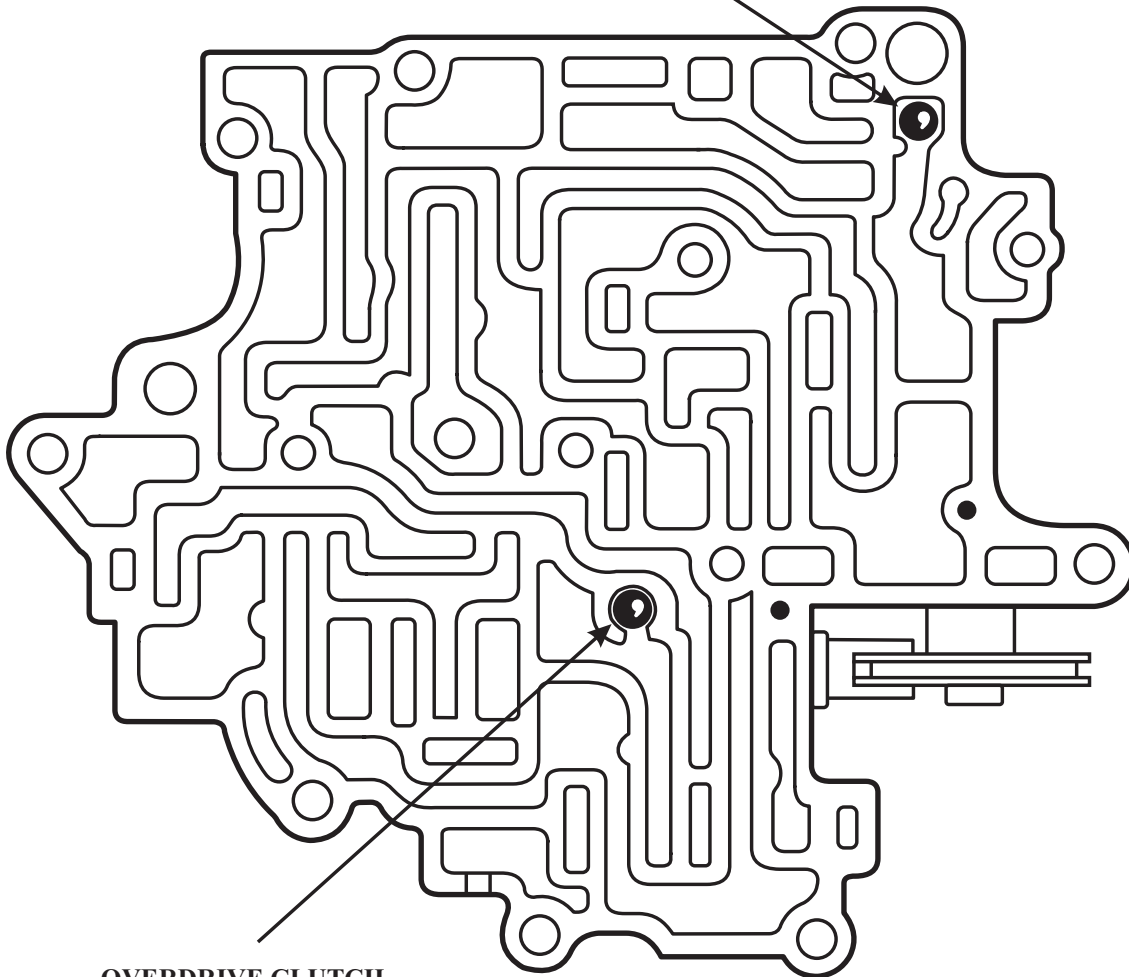
SECOND BAND
ORIFICE BALL
5.5mm (.217") RUBBER

TOYOTA A140L SERIES TRANSMISSIONS

CAMRY 1983-1993 AND CELICA 1986-1989

"UPPER" VALVE BODY CHECK BALL LOCATION

FORWARD CLUTCH
ORIFICE BALL
5.5mm (.217") RUBBER

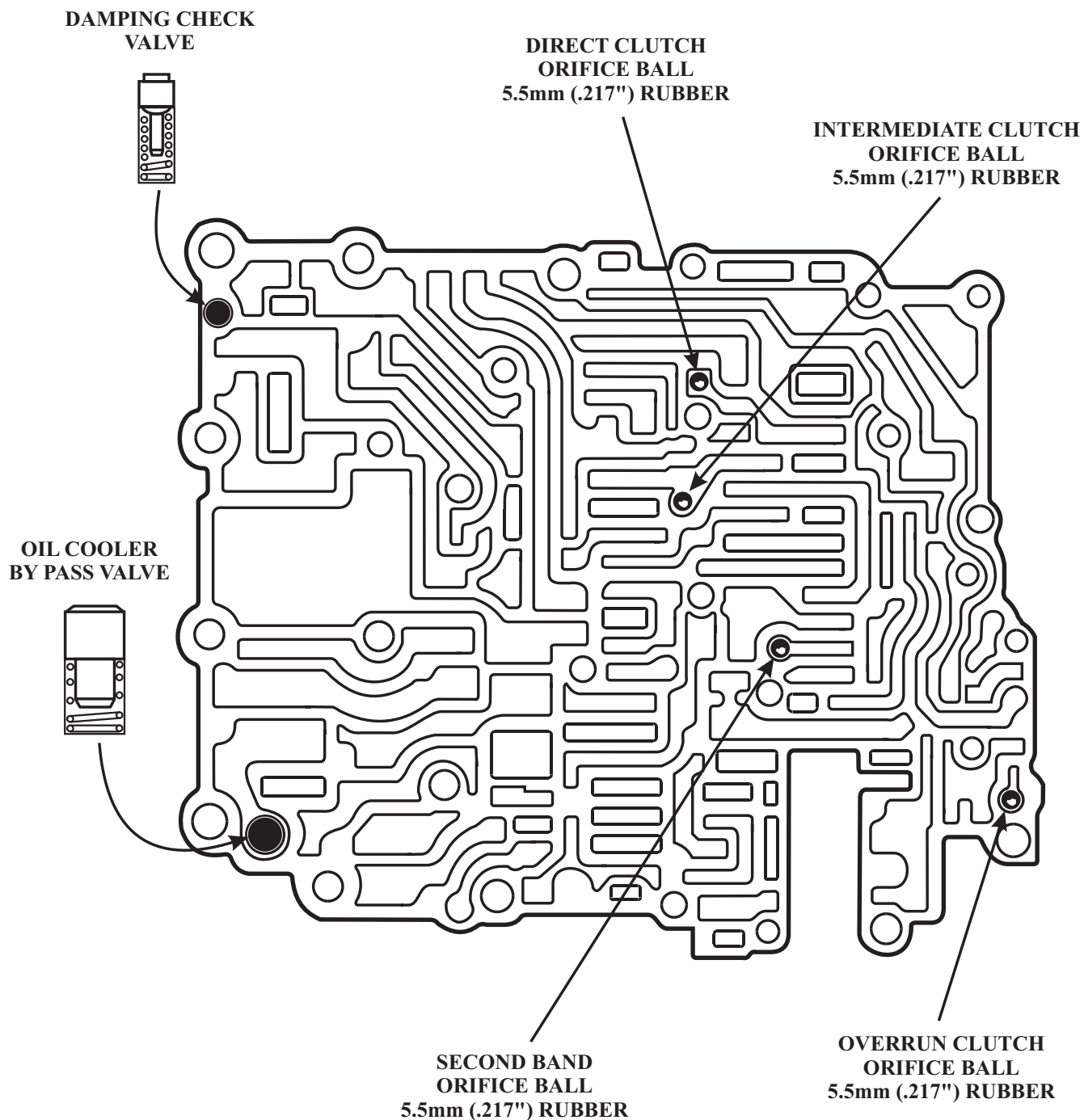


OVERDRIVE CLUTCH
ORIFICE BALL
5.5mm (.217") RUBBER

TOYOTA A140L SERIES TRANSMISSIONS

CAMRY 1983-1993 AND CELICA 1986-1989

"LOWER" VALVE BODY CHECK BALL LOCATION

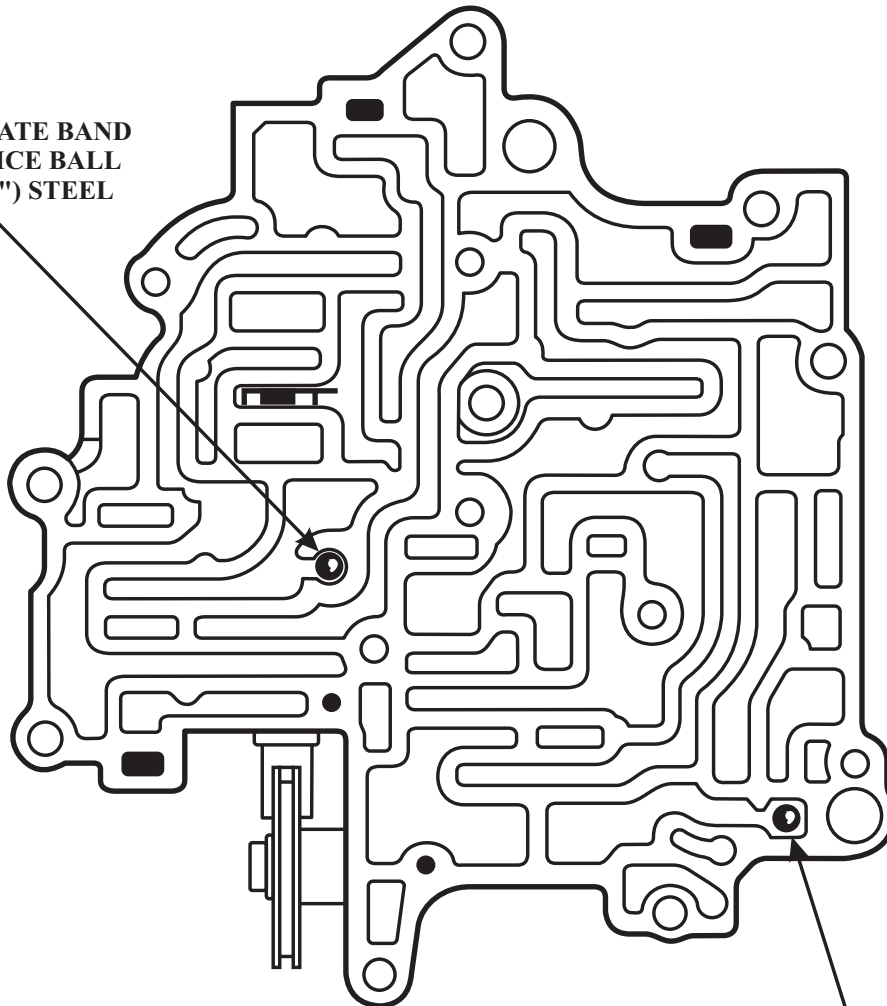


TOYOTA A140E, A141E SERIES TRANSMISSIONS

CAMRY 1983 - 1995

"UPPER" VALVE BODY CHECKBALL LOCATIONS

INTERMEDIATE BAND
FEED ORIFICE BALL
5.5mm (.217") STEEL

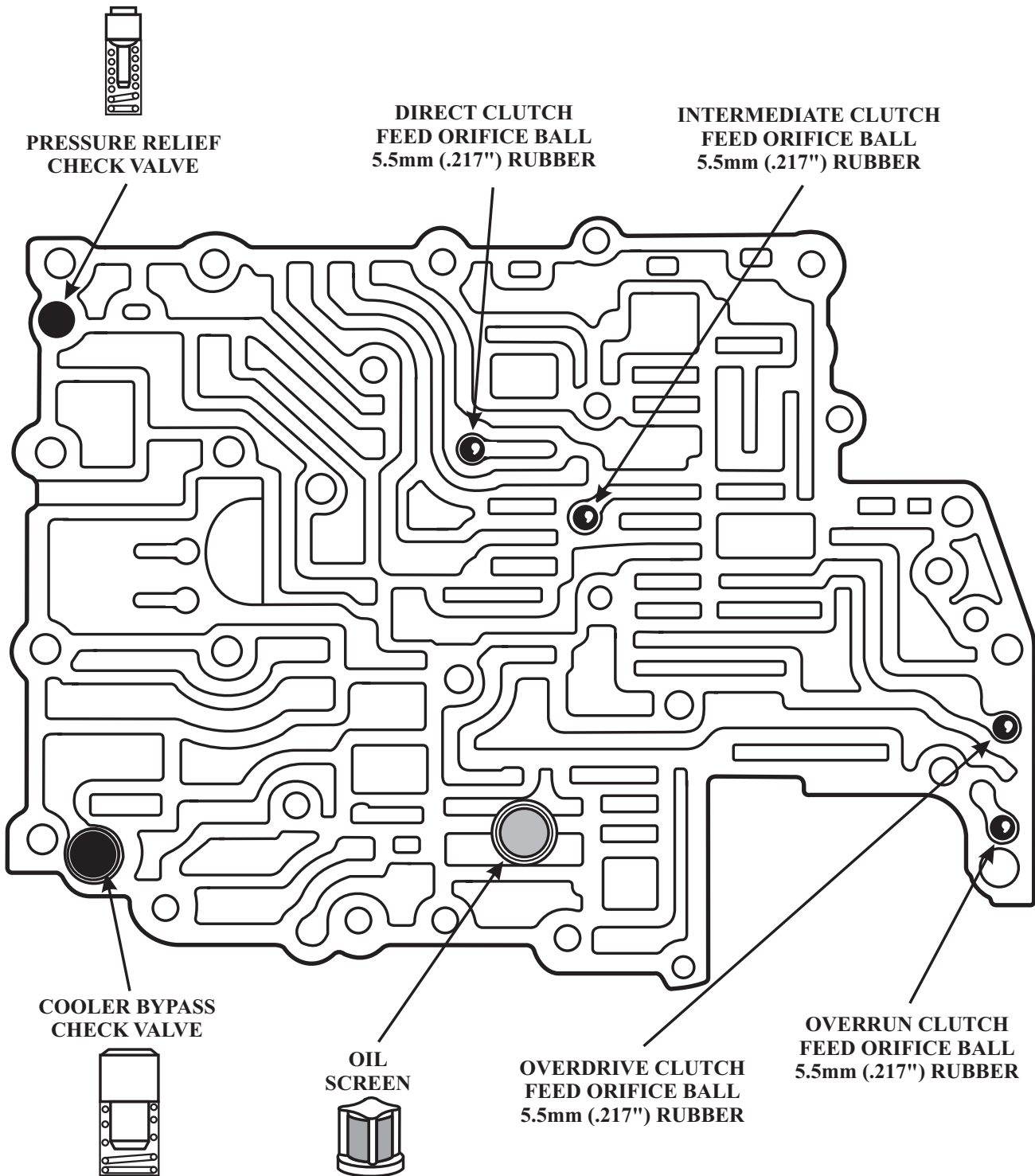


FORWARD CLUTCH
FEED ORIFICE BALL
5.5mm (.217") STEEL

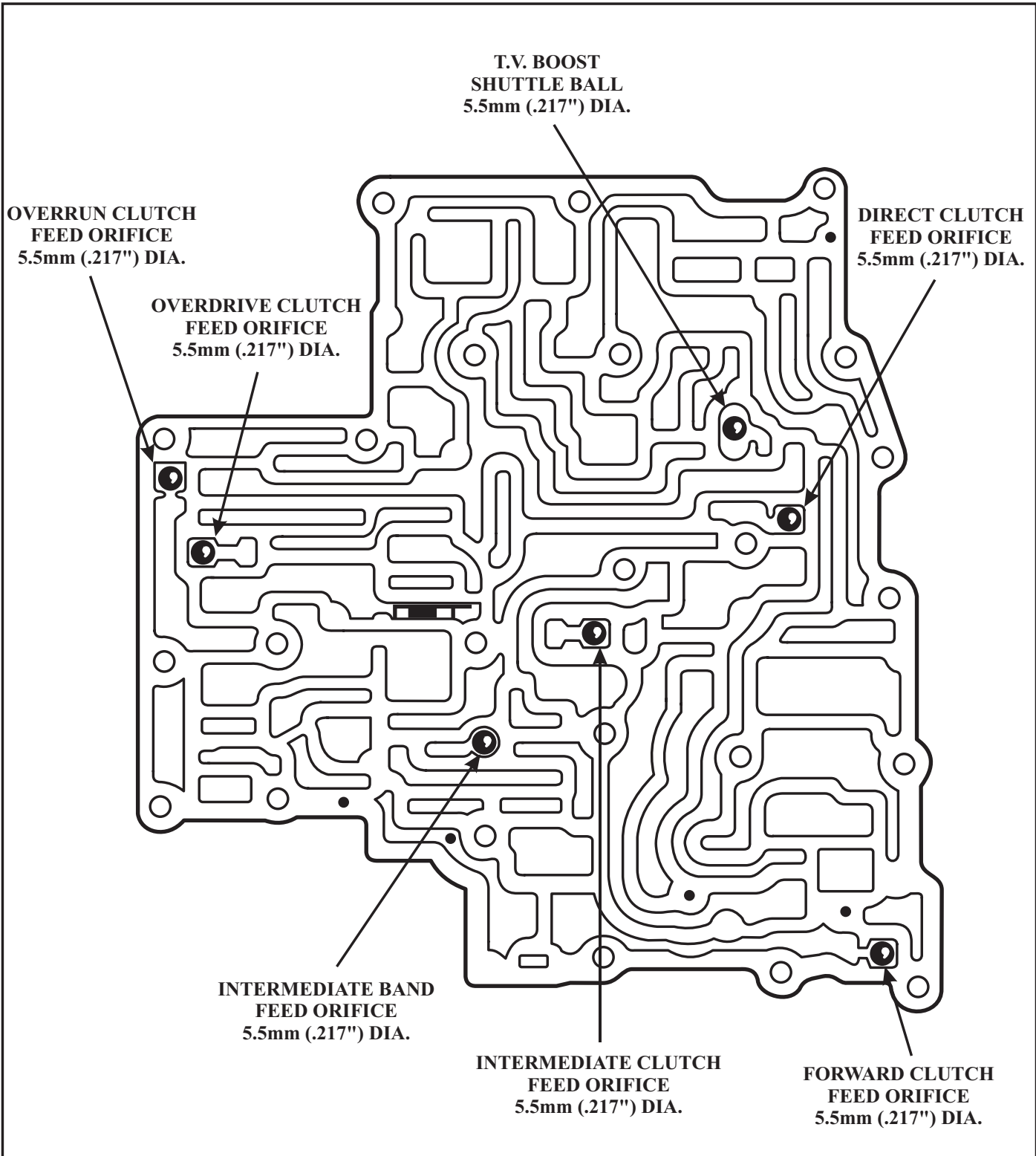
TOYOTA A140E, A141E SERIES TRANSMISSIONS

CAMRY 1983 - 1995

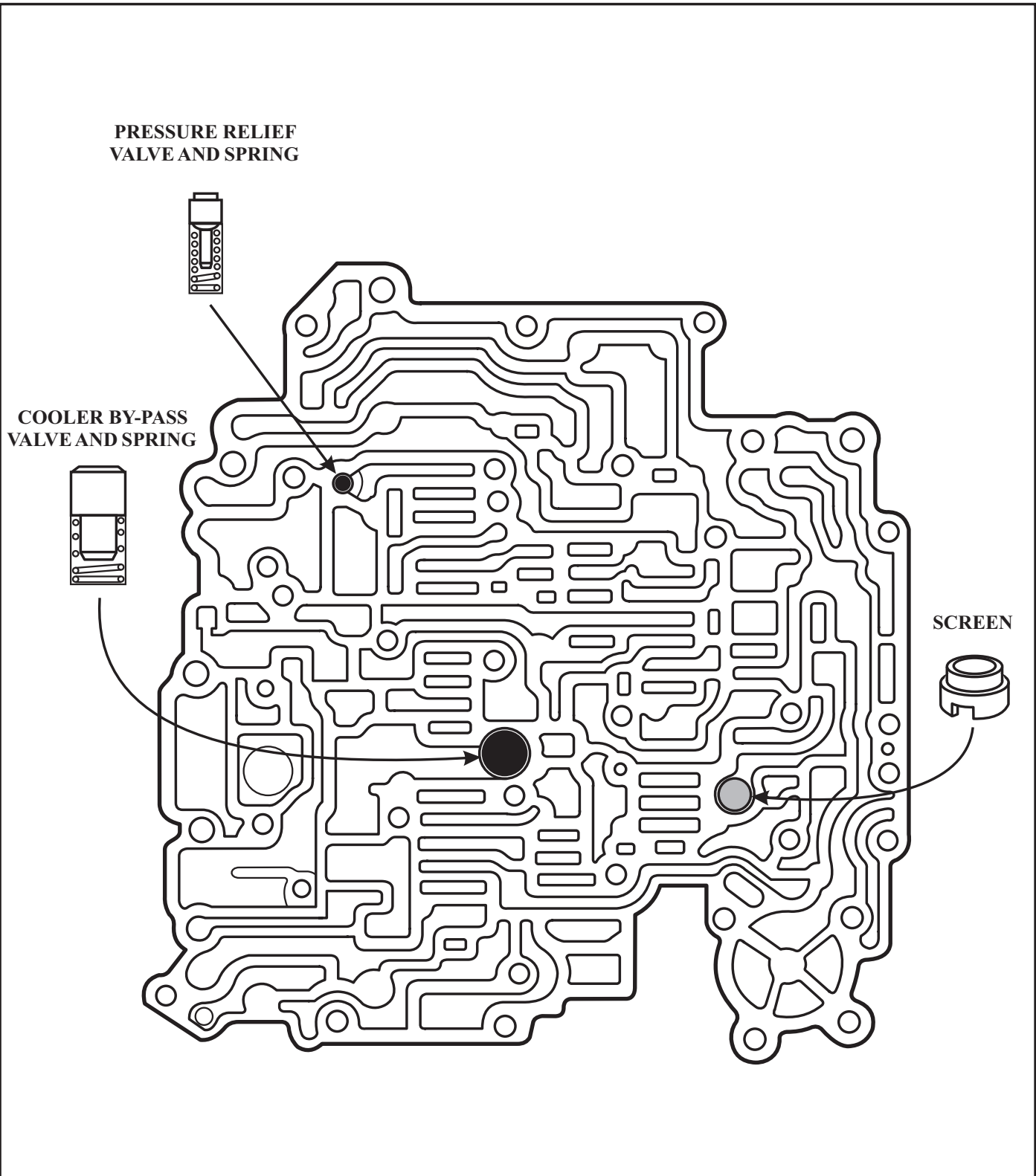
"LOWER" VALVE BODY CHECKBALL AND VALVE LOCATIONS



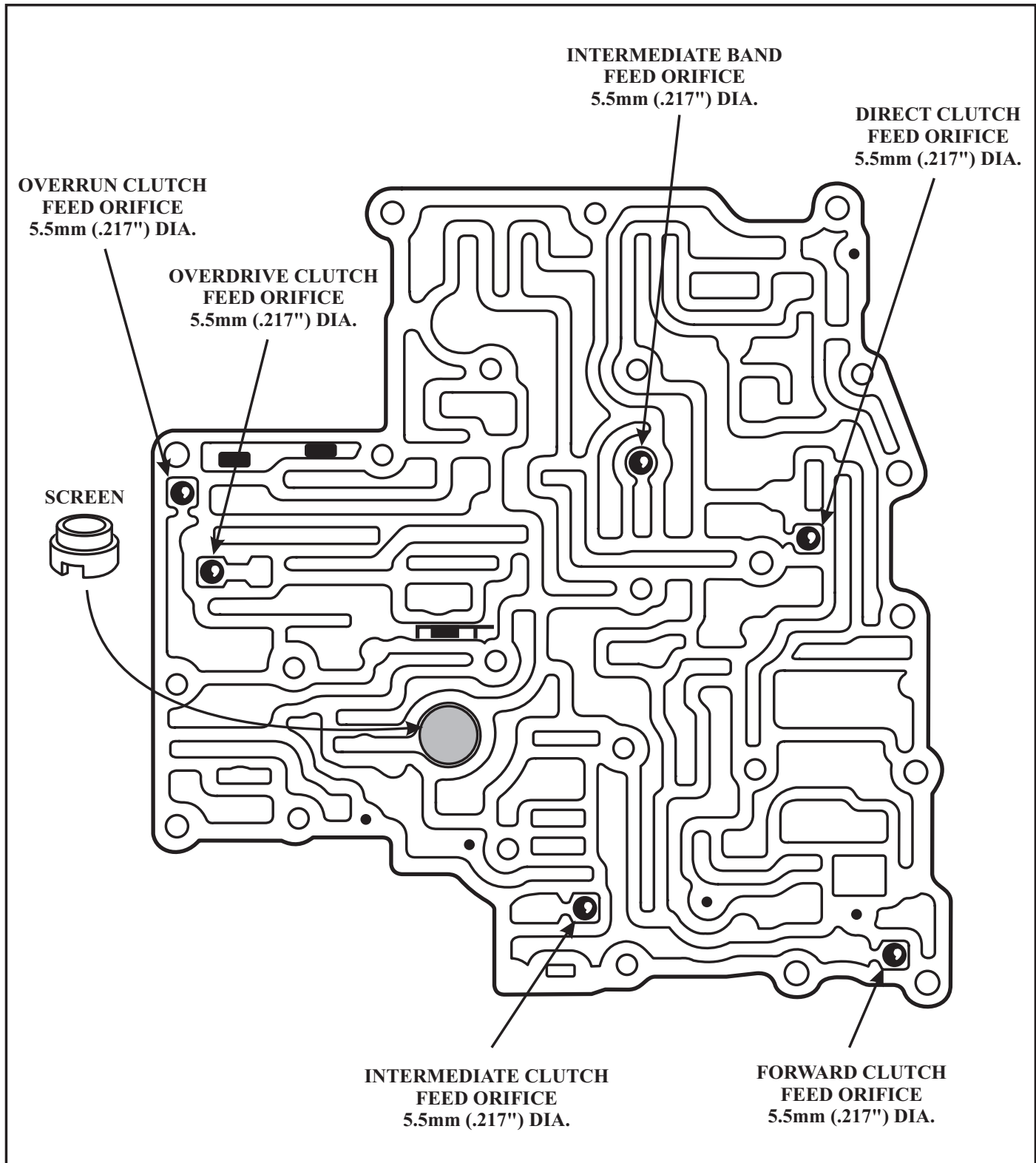
TOYOTA A240L, A243L TRANSMISSIONS "UPPER" VALVE BODY CHECKBALL LOCATIONS



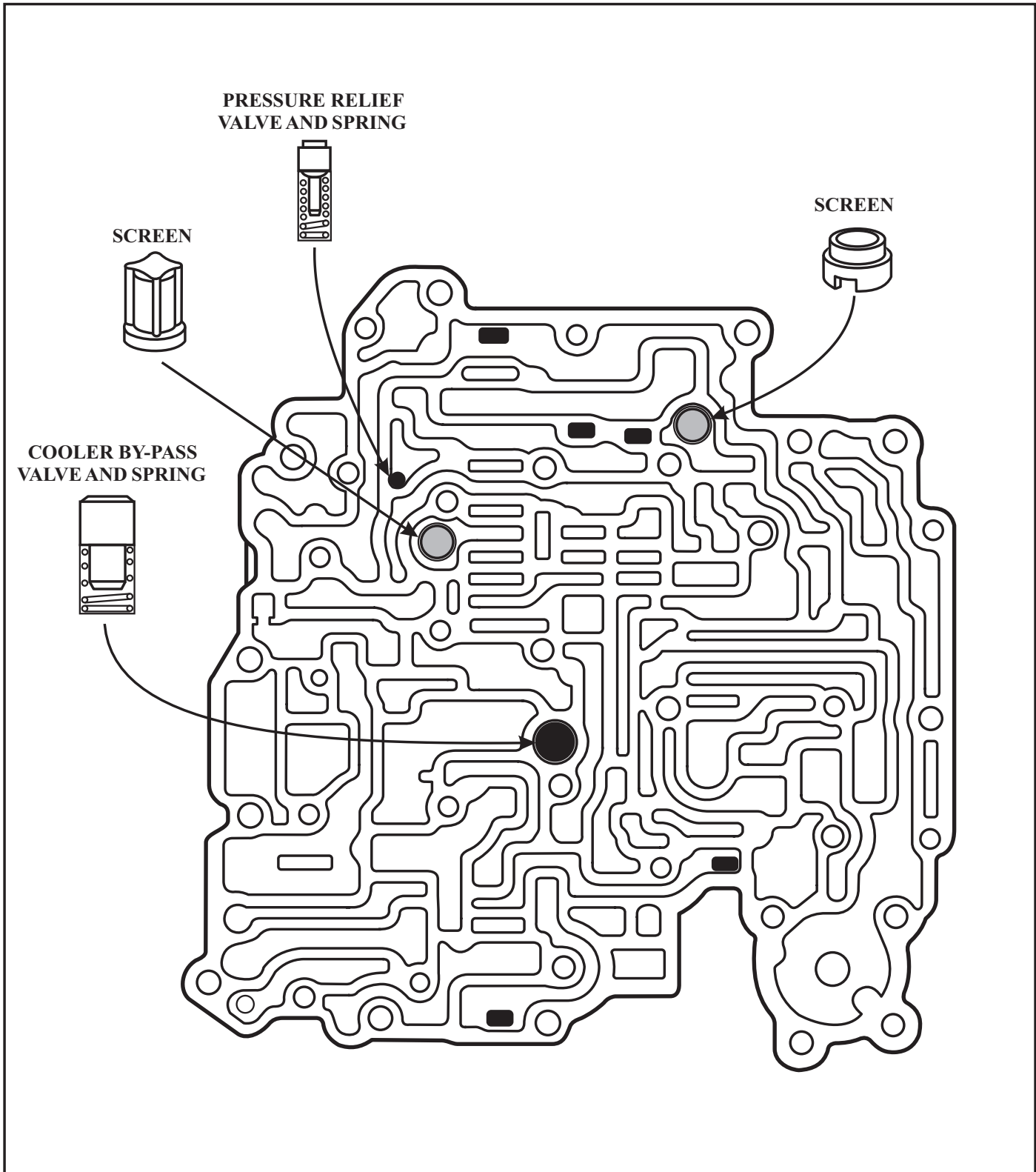
TOYOTA A240L, A243L TRANSMISSIONS CHECK VALVE AND SCREEN LOCATIONS FOR "LOWER" VALVE BODY



TOYOTA A241E, A244E TRANSMISSIONS "UPPER" VALVE BODY CHECKBALL LOCATIONS

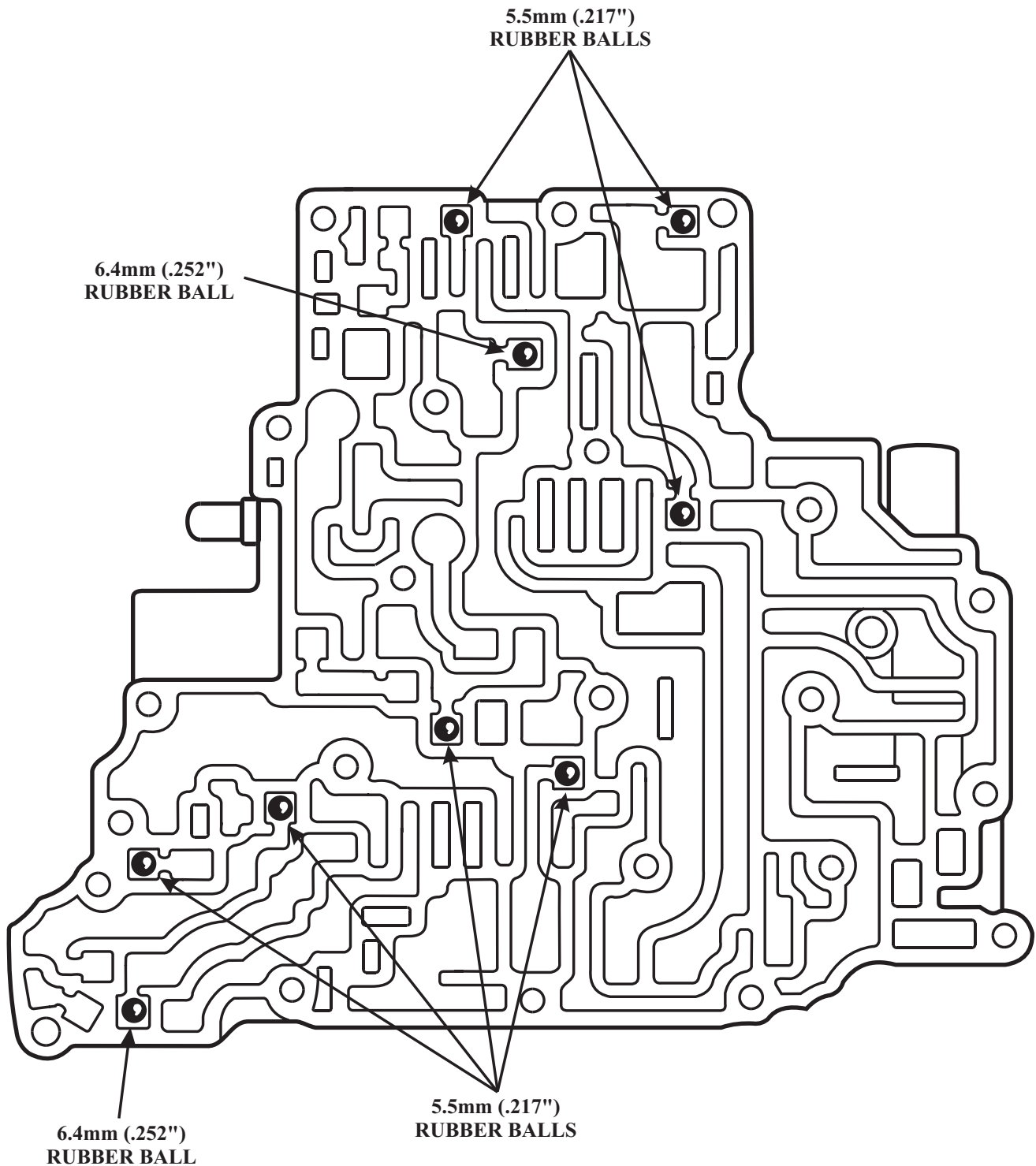


TOYOTA A241E, A244E TRANSMISSIONS CHECK VALVE AND SCREEN LOCATIONS FOR "LOWER" VALVE BODY



TOYOTA A245 SERIES TRANSAXLES

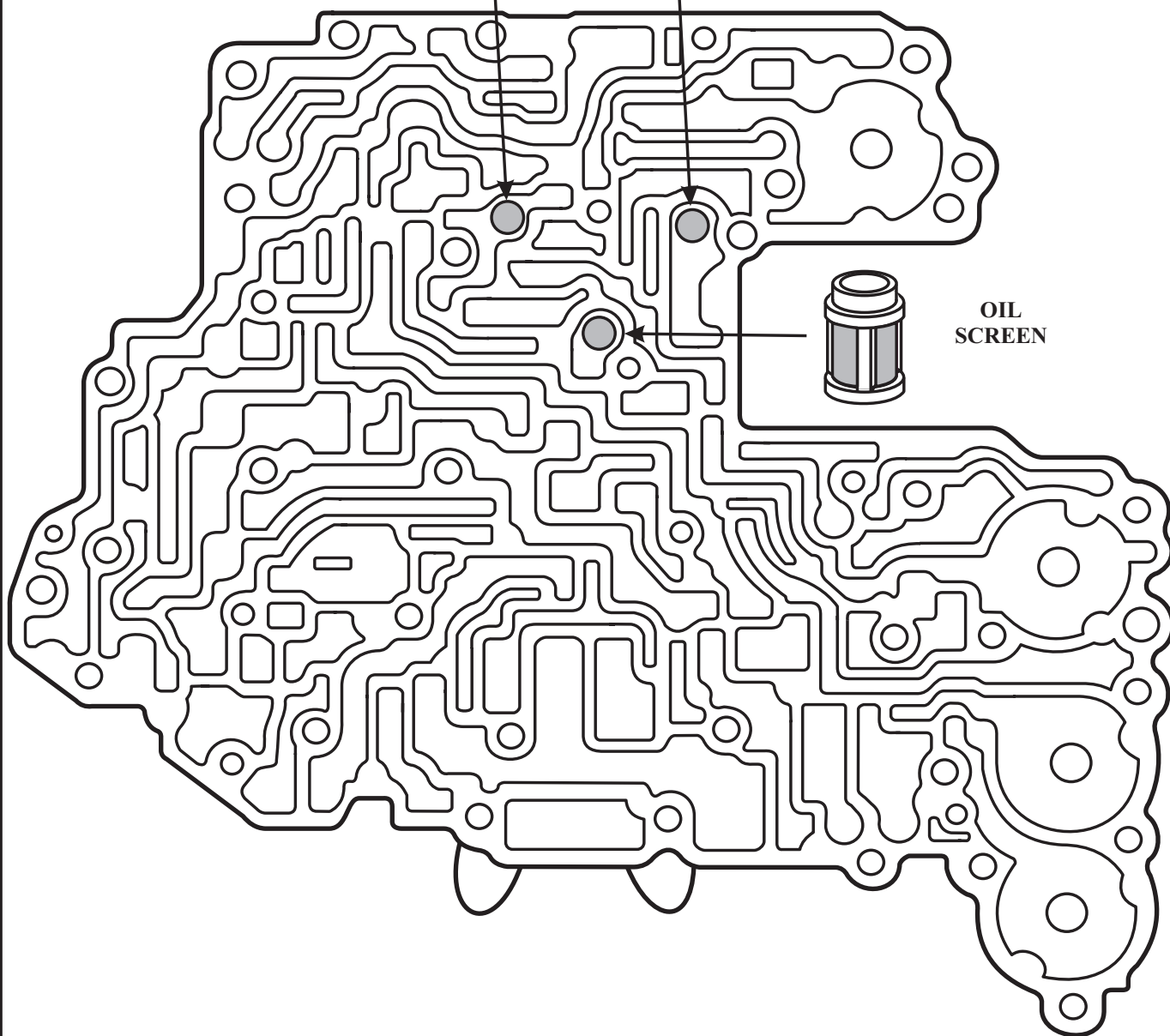
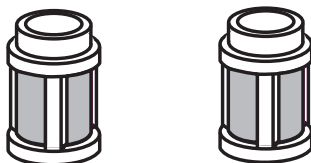
"UPPER" VALVE BODY



TOYOTA A245 SERIES TRANSAXLES

"LOWER" VALVE BODY

OIL SCREENS



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E "2WD" 4-RUNNER & TRUCK 1985-1989

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body

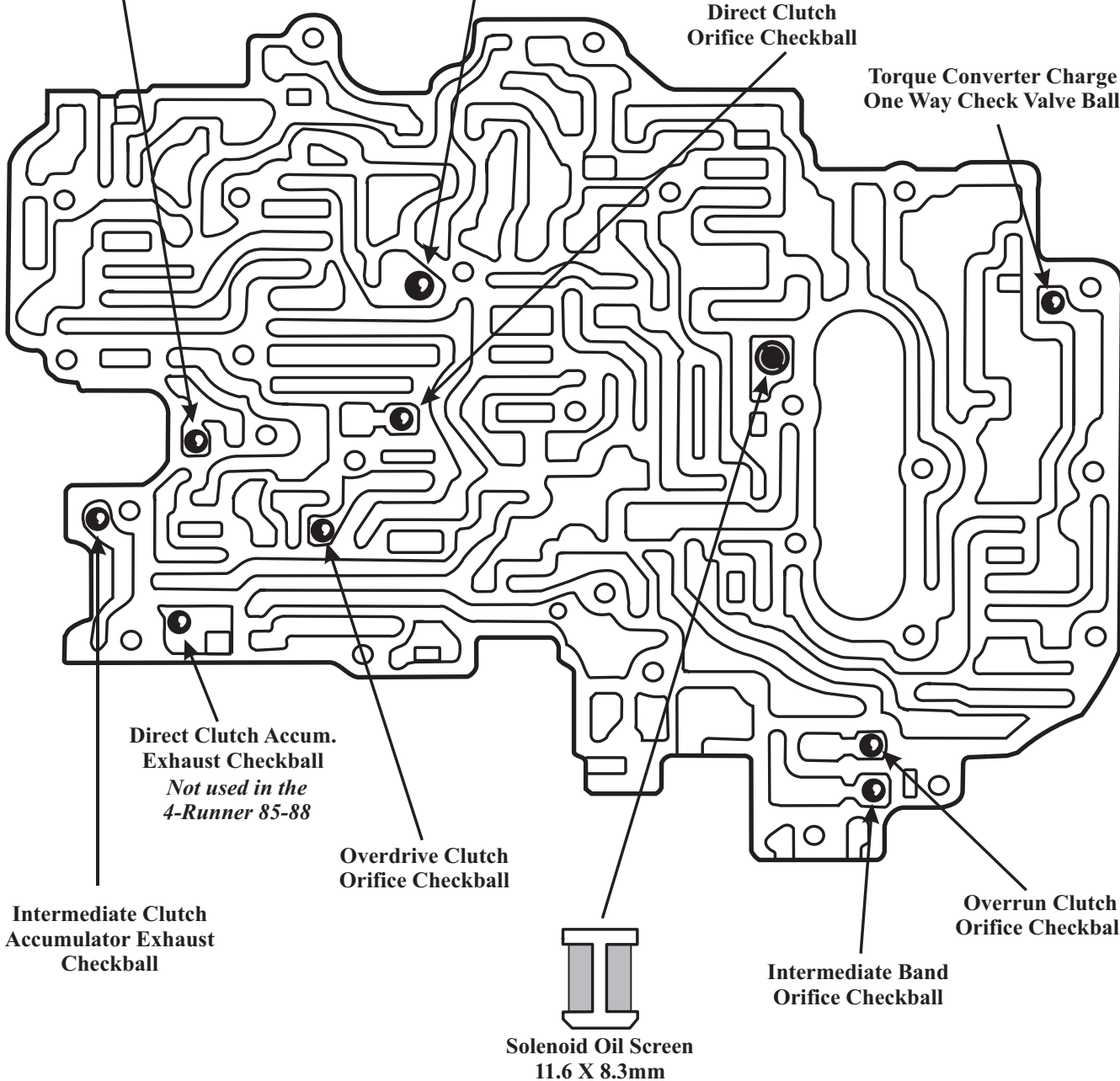
Direct Clutch Shuttle Ball

NOTE: Use of this ball when not required may cause premature direct clutch failure. The spacer plate will have two holes over the bathtub if a checkball is required

Intermediate Clutch
Orifice Checkball

Direct Clutch
Orifice Checkball

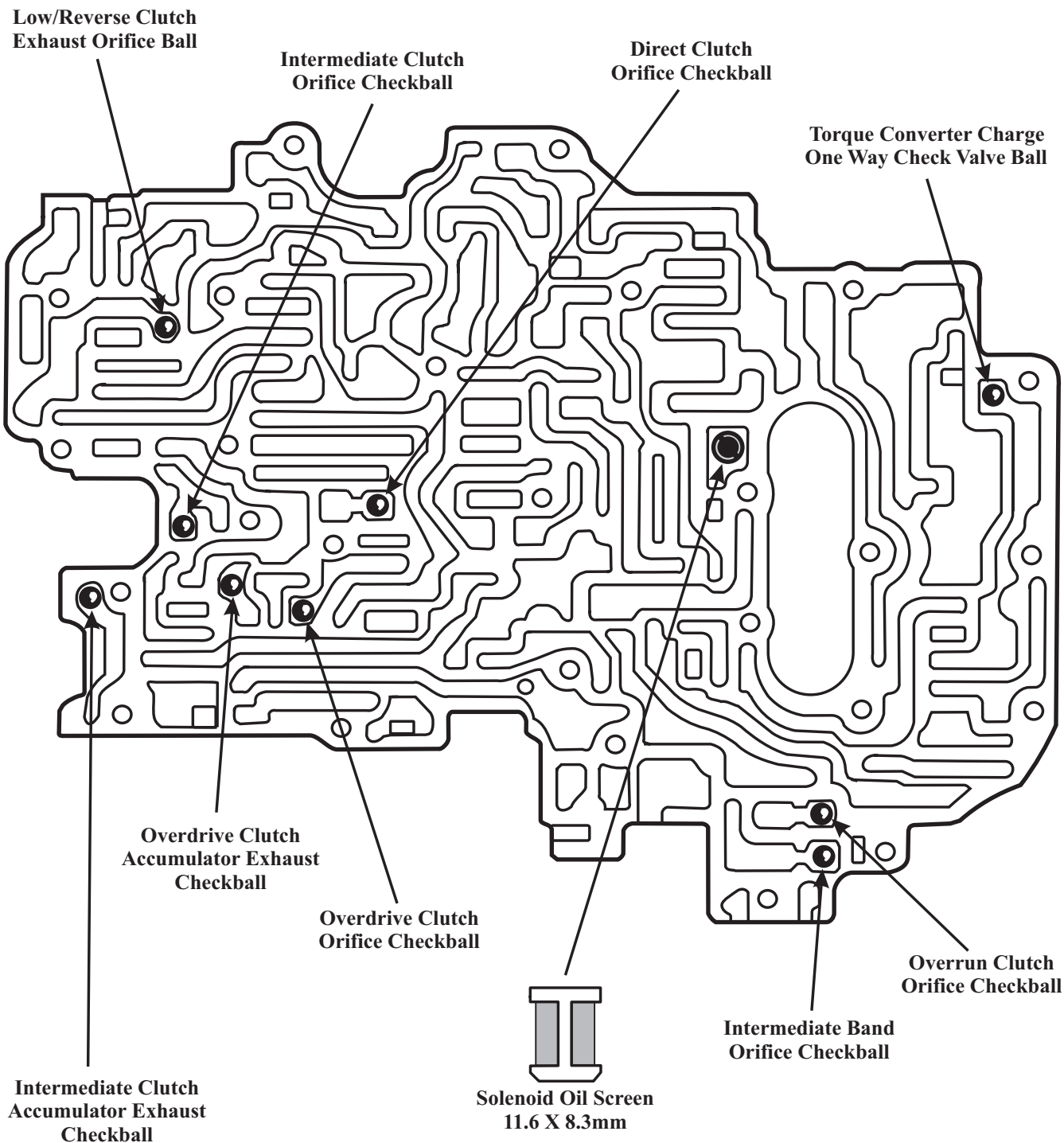
Torque Converter Charge
One Way Check Valve Ball



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E "2WD" 4-RUNNER & TRUCK 1990-1995

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E "Except" 4-RUNNER & TRUCK 1985-1989

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body

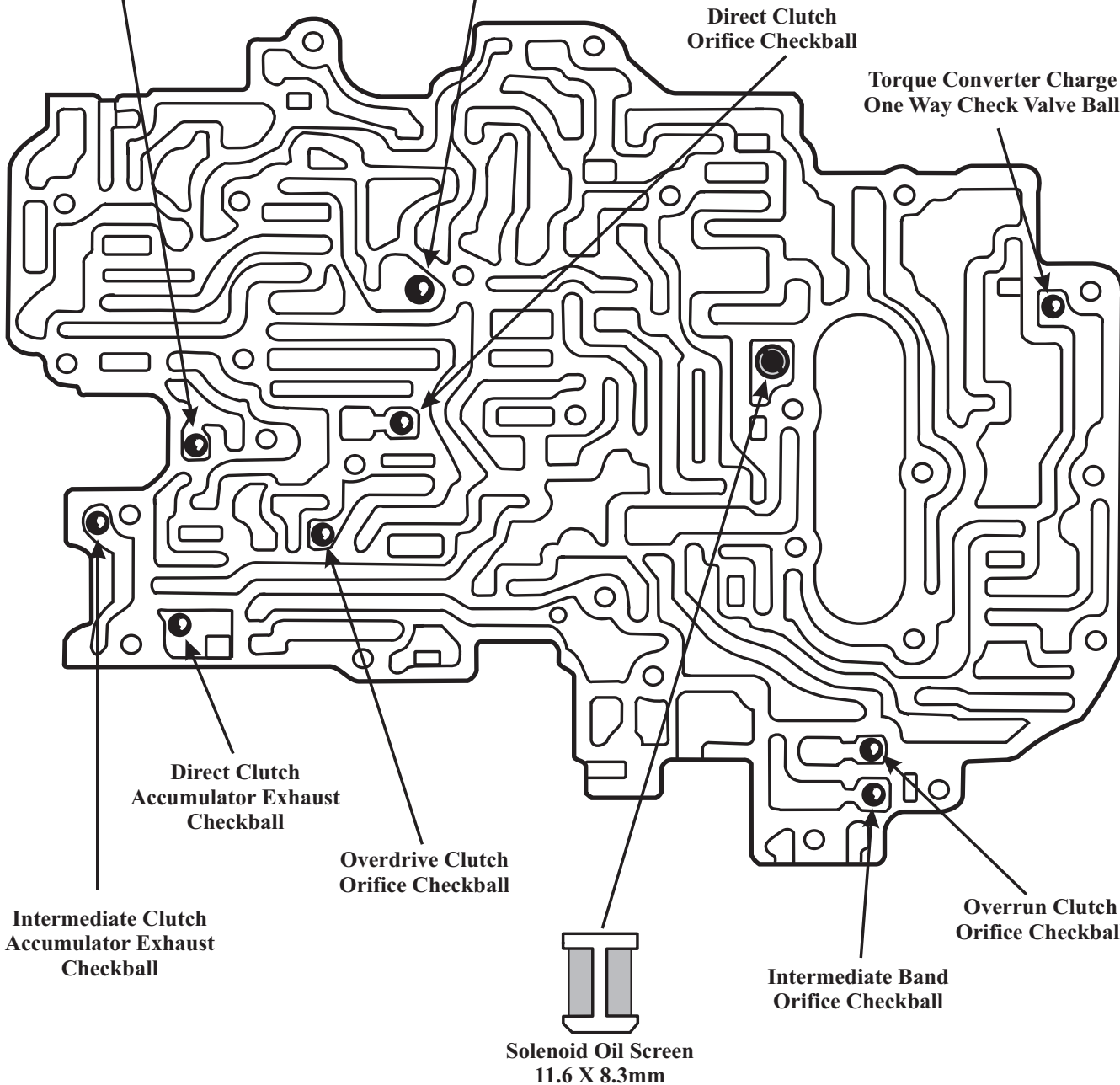
Direct Clutch Shuttle Ball

NOTE: Use of this ball when not required may cause premature direct clutch failure. The spacer plate will have two holes over the bathtub if a checkball is required

Intermediate Clutch
Orifice Checkball

Direct Clutch
Orifice Checkball

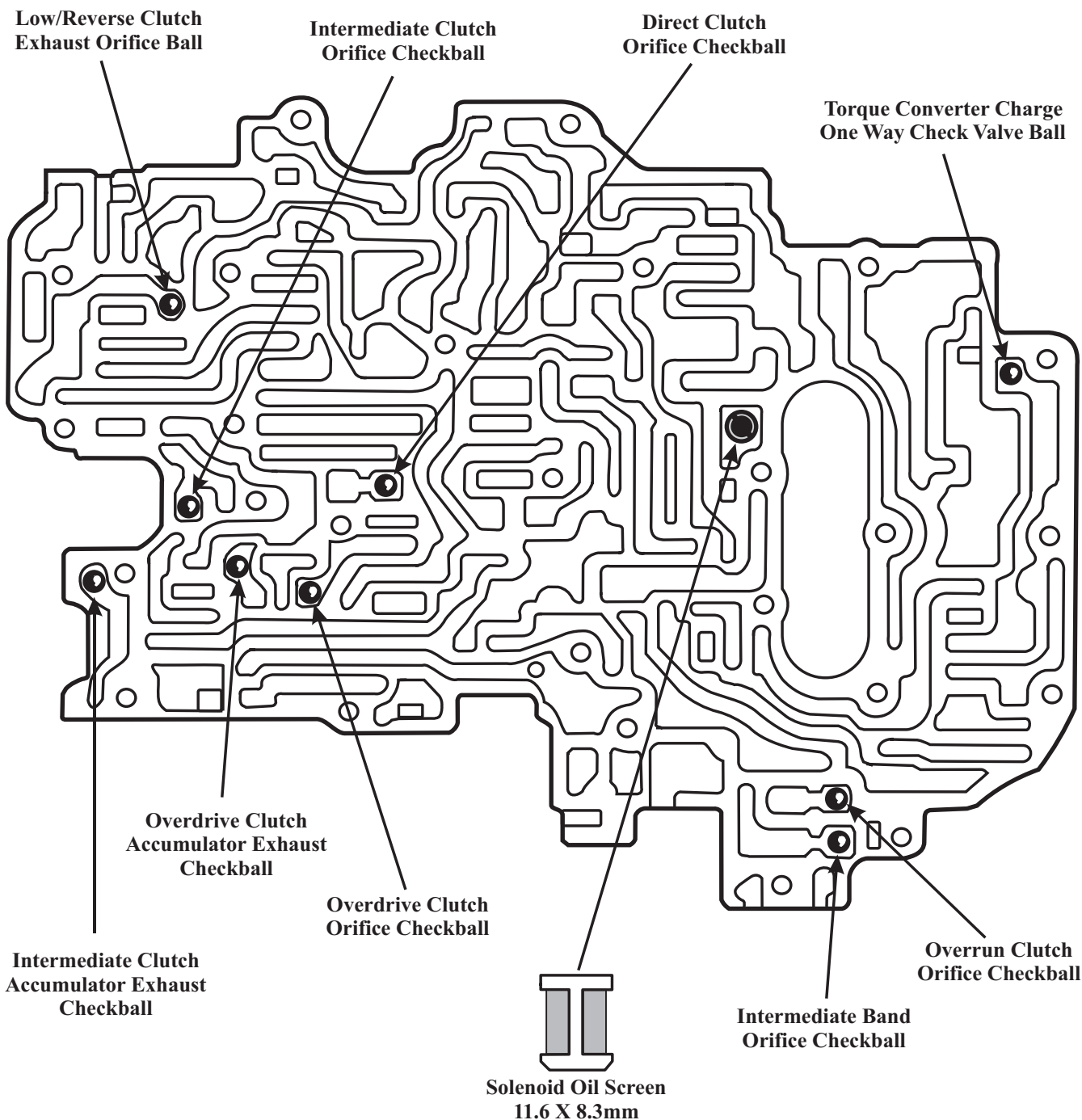
Torque Converter Charge
One Way Check Valve Ball



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E "Except" 4-RUNNER & TRUCK 1990-1995

"UPPER" VALVE BODY

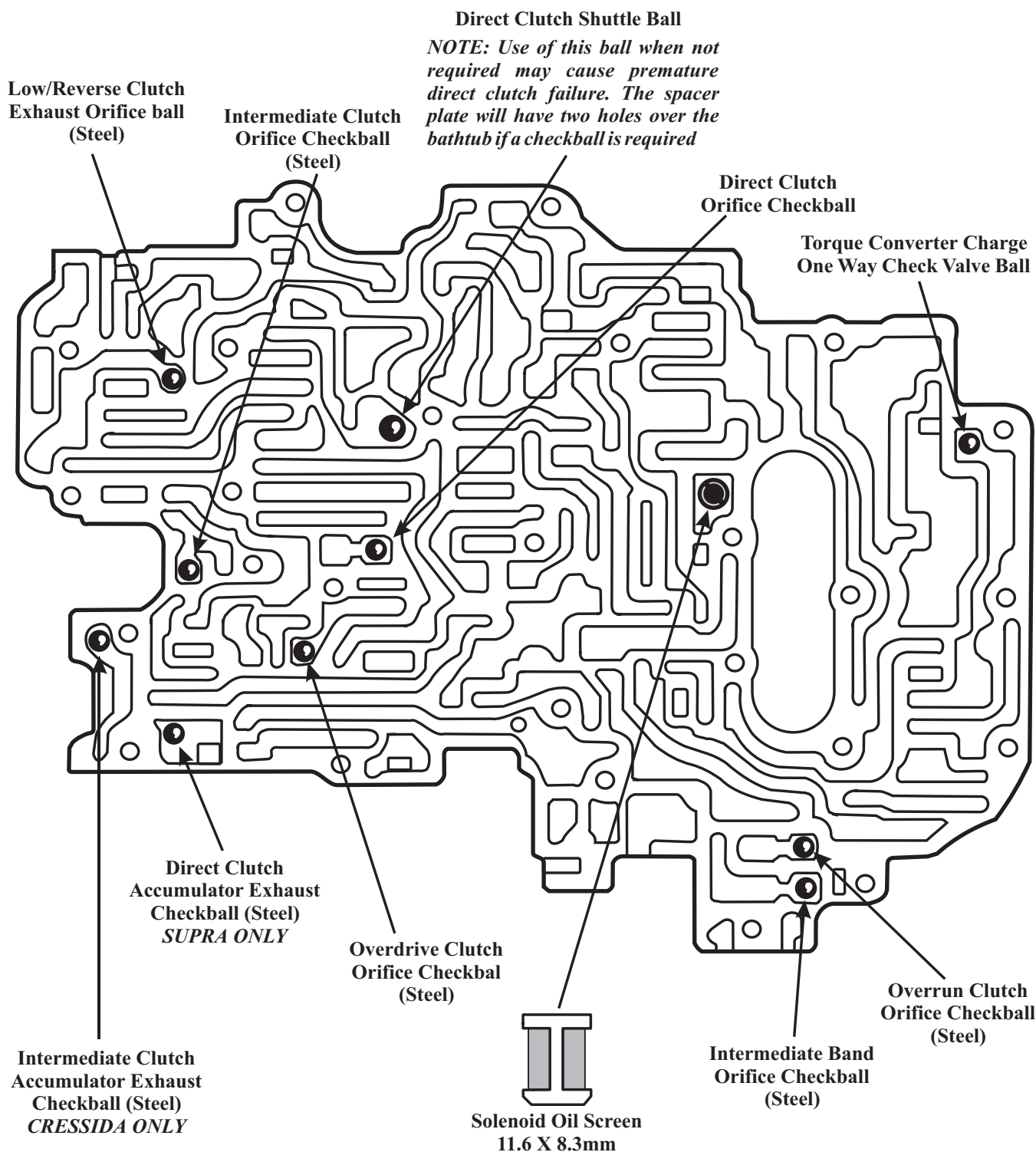
See Page 86 for "Lower" Valve Body



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E CRESSIDA AND SUPRA 1985-1988

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body



TOYOTA A340E SERIES "2WD" TRANSMISSIONS A340E CRESSIDA AND SUPRA 1989-1995

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body

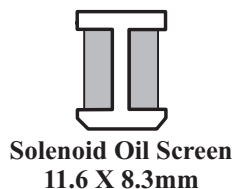
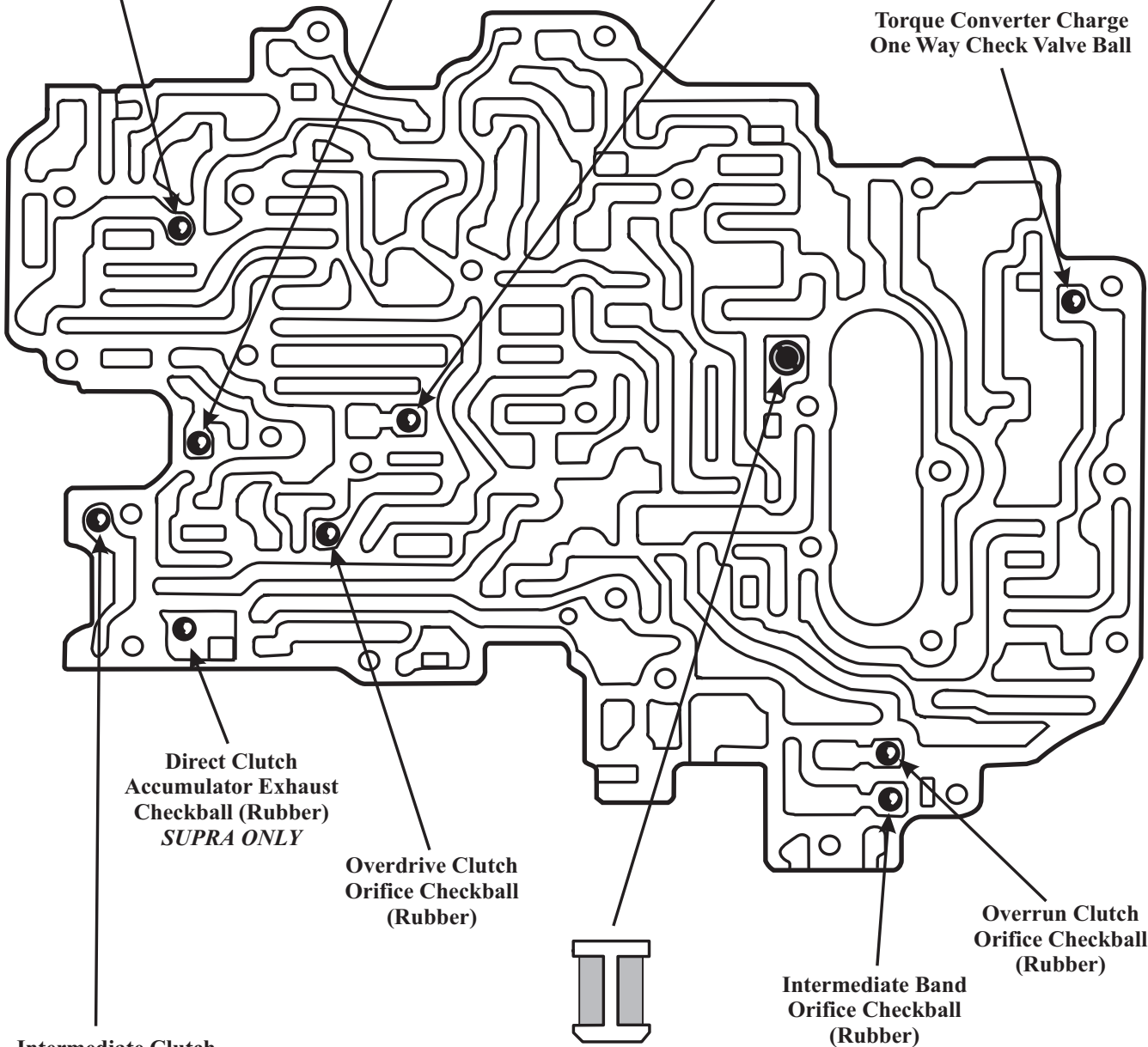
Low/Reverse Clutch
Exhaust Orifice Ball
(Rubber)

*Eliminated on
1989 models*

Intermediate Clutch
Orifice Checkball
(Rubber)

Direct Clutch
Orifice Checkball
(Rubber)

Torque Converter Charge
One Way Check Valve Ball



Solenoid Oil Screen
11.6 X 8.3mm

TOYOTA A340E SERIES 4WD TRANSMISSIONS A340H "4WD" 4-RUNNER & TRUCK 1985-1988

"UPPER" VALVE BODY

See Page 86 for "Lower" Valve Body

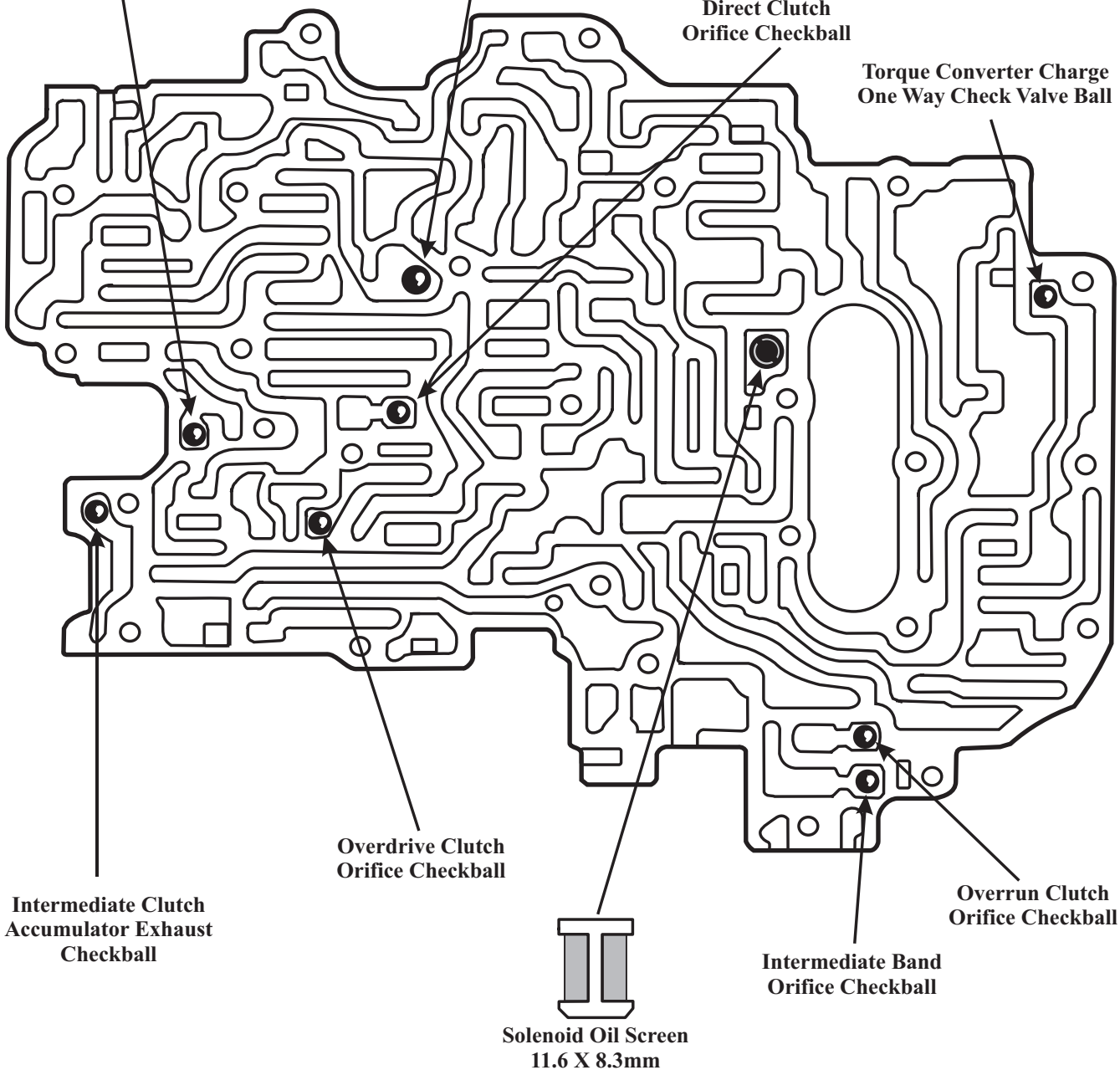
Direct Clutch Shuttle Ball

NOTE: Use of this ball when not required may cause premature direct clutch failure. The spacer plate will have two holes over the bathtub if a checkball is required

Intermediate Clutch
Orifice Checkball

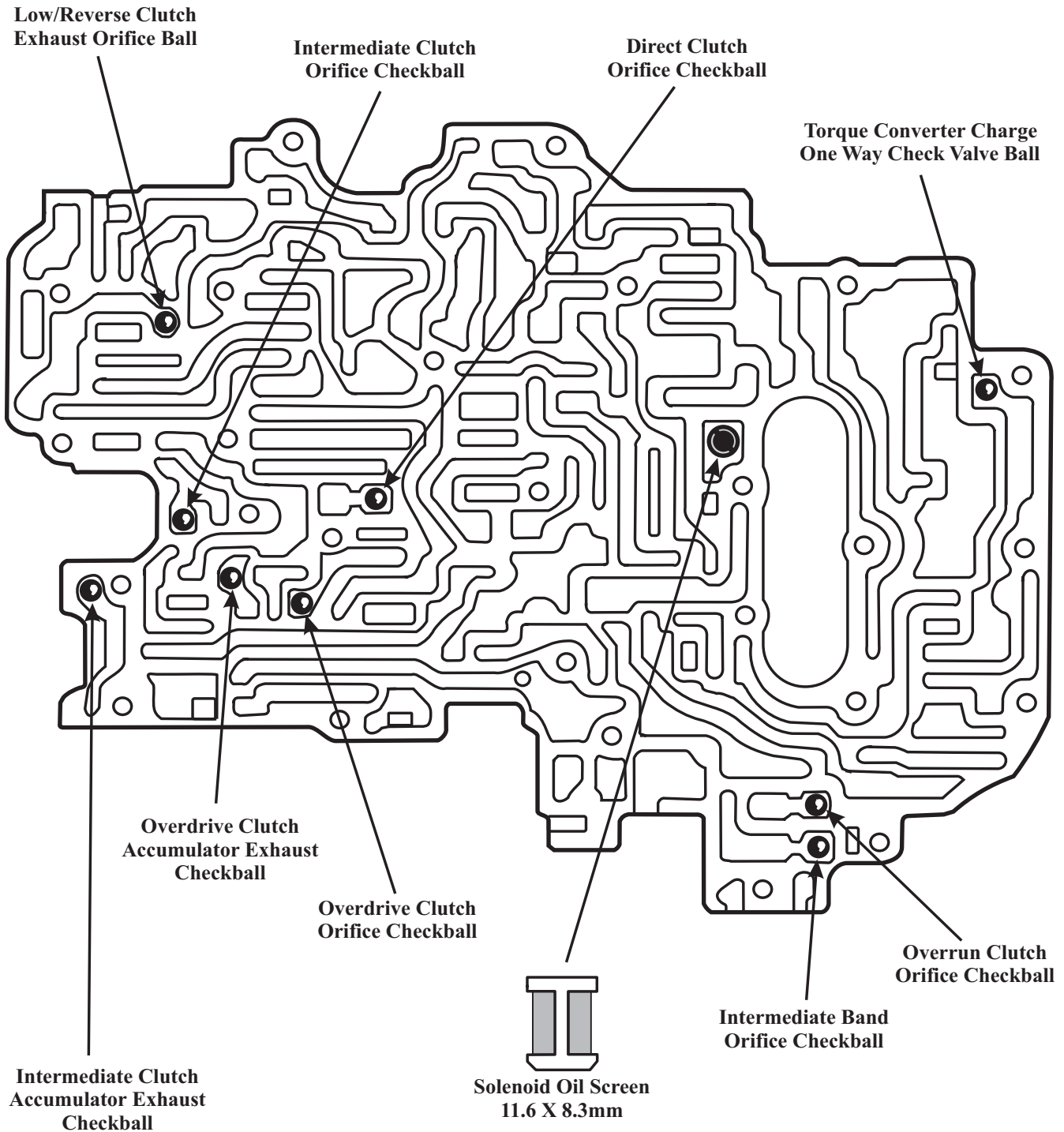
Direct Clutch
Orifice Checkball

Torque Converter Charge
One Way Check Valve Ball



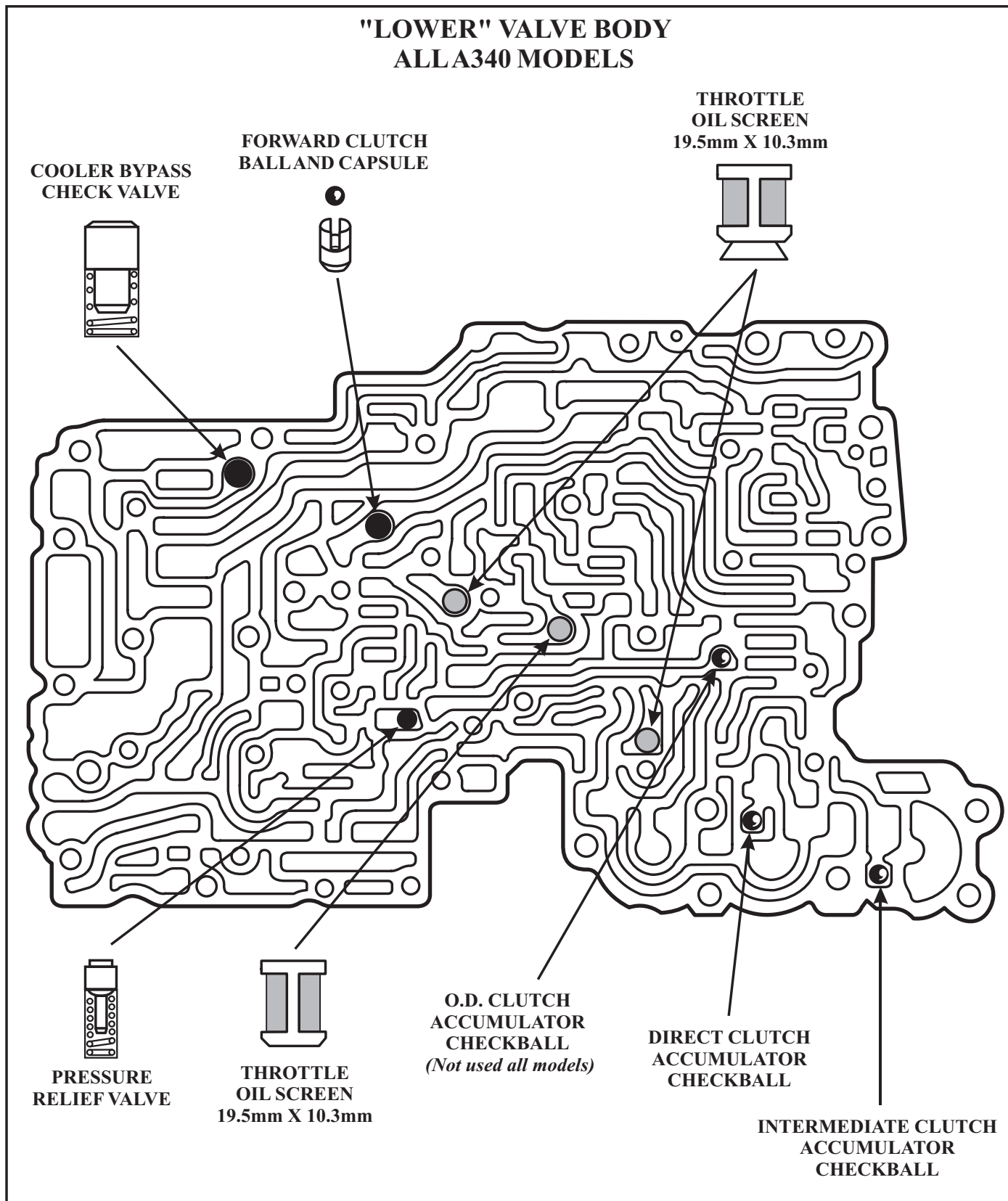
TOYOTA A340H SERIES 4WD TRANSMISSIONS A340H "4WD" 4-RUNNER & TRUCK 1989-1995

"UPPER" VALVE BODY
See Page 86 for "Lower" Valve Body.



TOYOTA A340 SERIES TRANSMISSIONS

ProCarManuals.com



TOYOTA A340H TRANSFER CASE

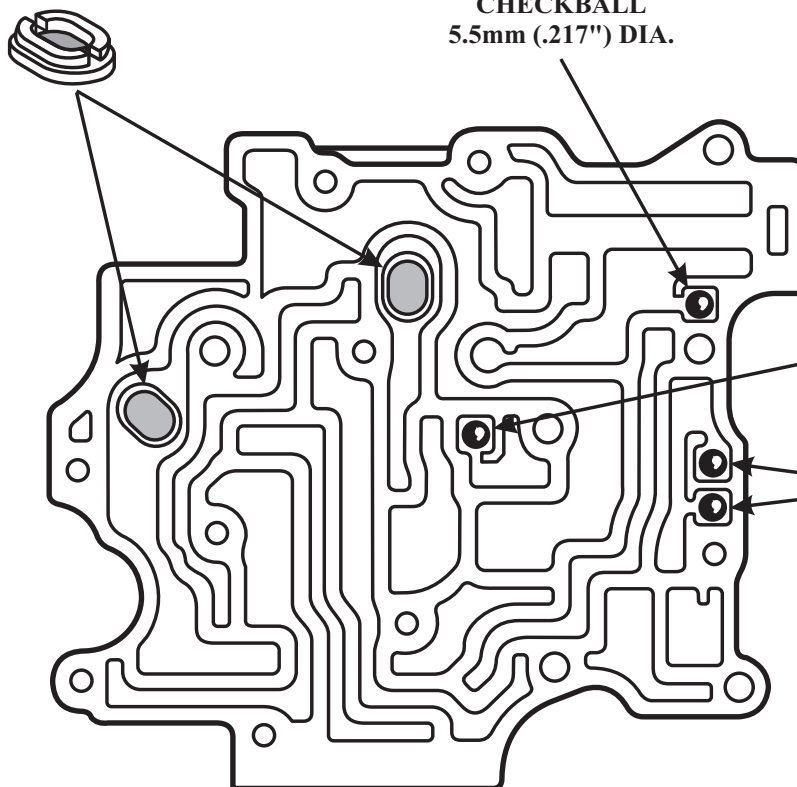
CHECKBALL AND SCREEN LOCATIONS

OIL
SCREENS

2 WHEEL HIGH
CHECKBALL
5.5mm (.217") DIA.

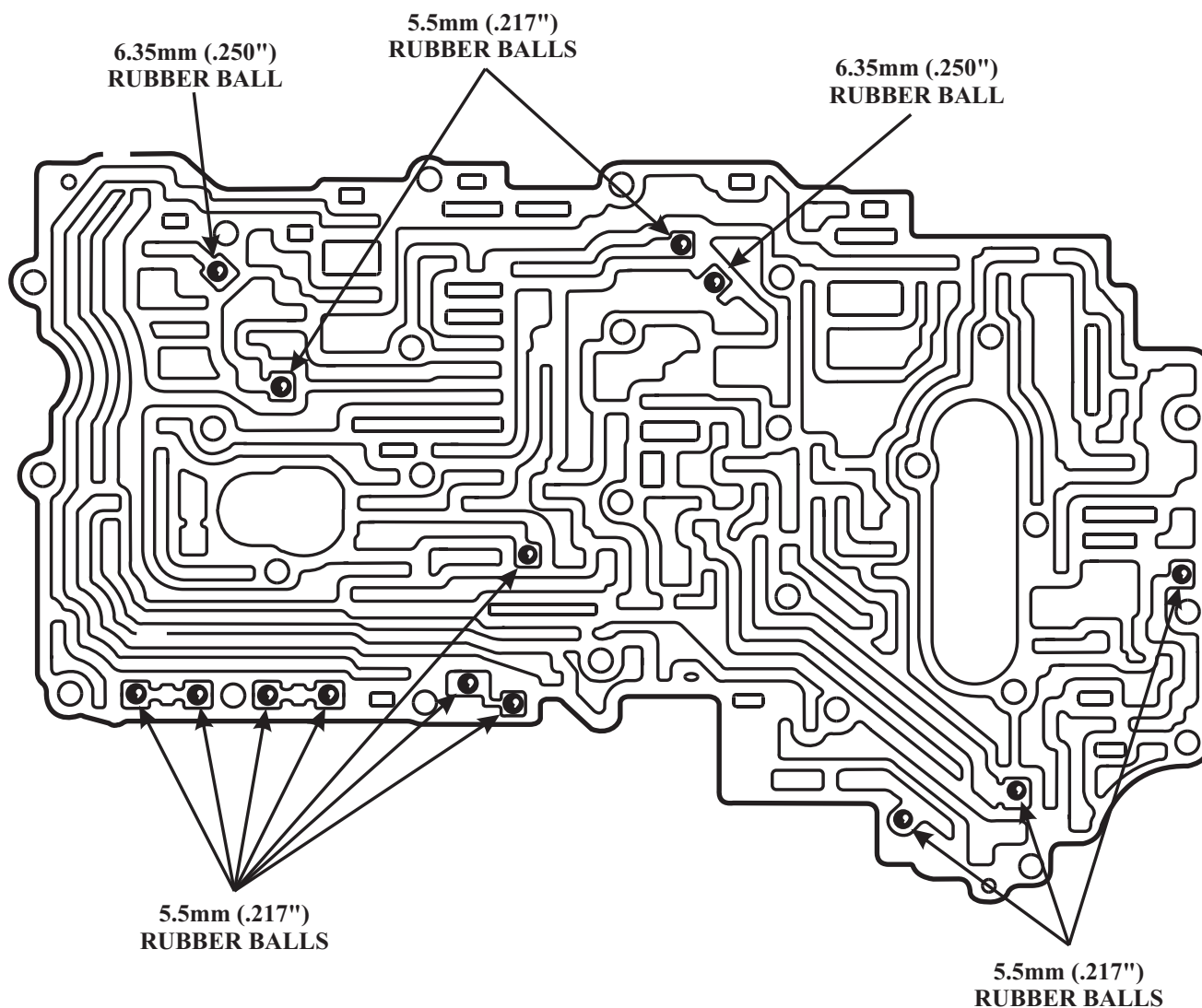
LOW CLUTCH
CHECKBALL
5.5mm (.217") DIA.

4 WHEEL HIGH
CHECKBALLS
5.5mm (.217") DIA.



TOYOTA A341E SERIES TRANSMISSIONS A341E LEXUS AND 1993 AND UP SUPRA

"UPPER" VALVE BODY A341E MODELS

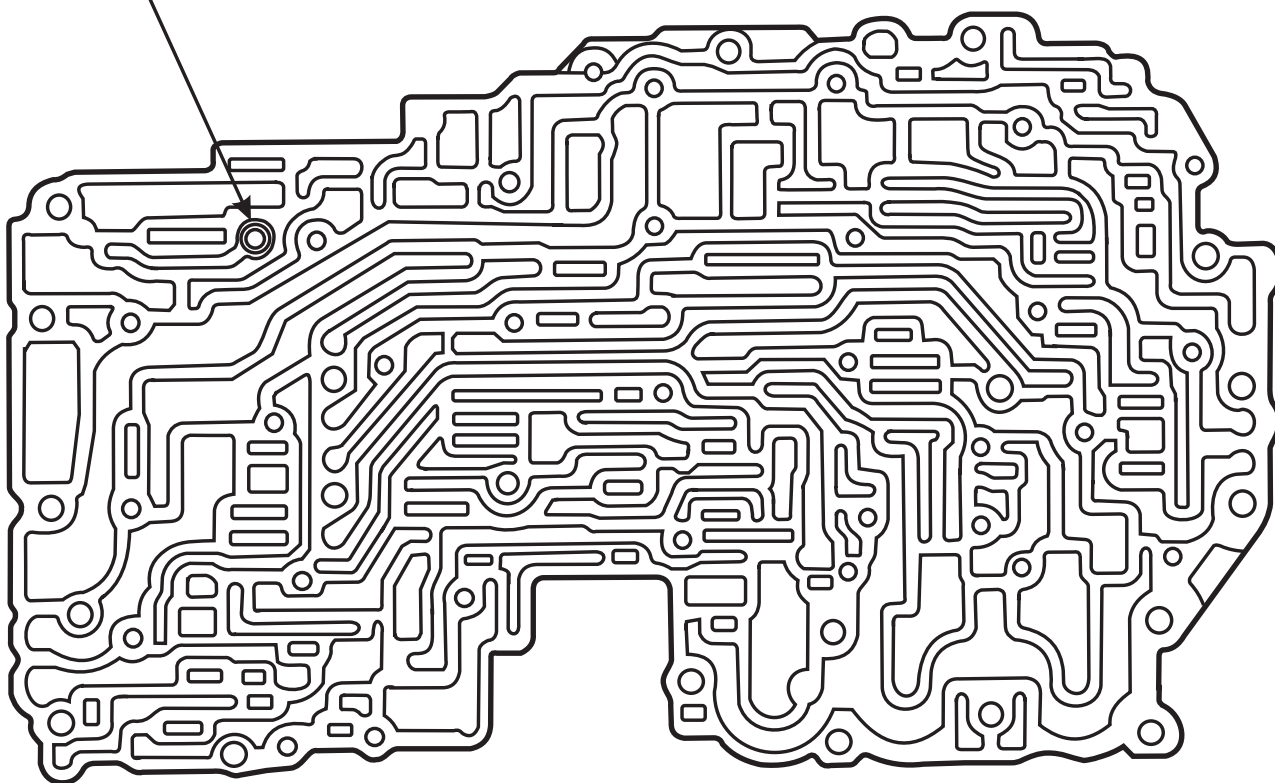


TOYOTA A341E SERIES TRANSMISSIONS A341E LEXUS AND 1993 AND UP SUPRA

"LOWER" VALVE BODY A341E MODELS



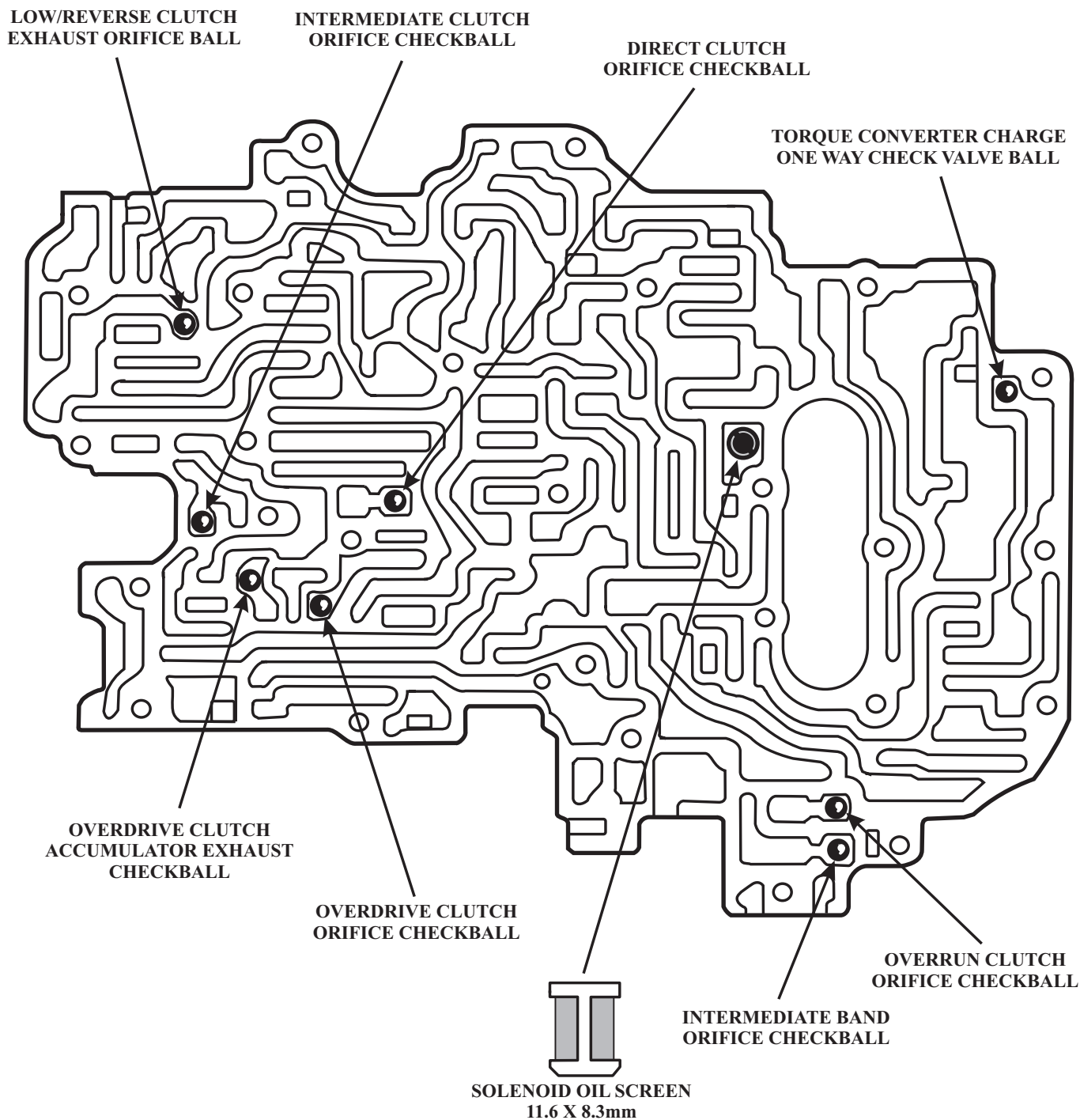
CHECK VALVE
AND SPRING



TOYOTA A343F SERIES TRANSMISSIONS

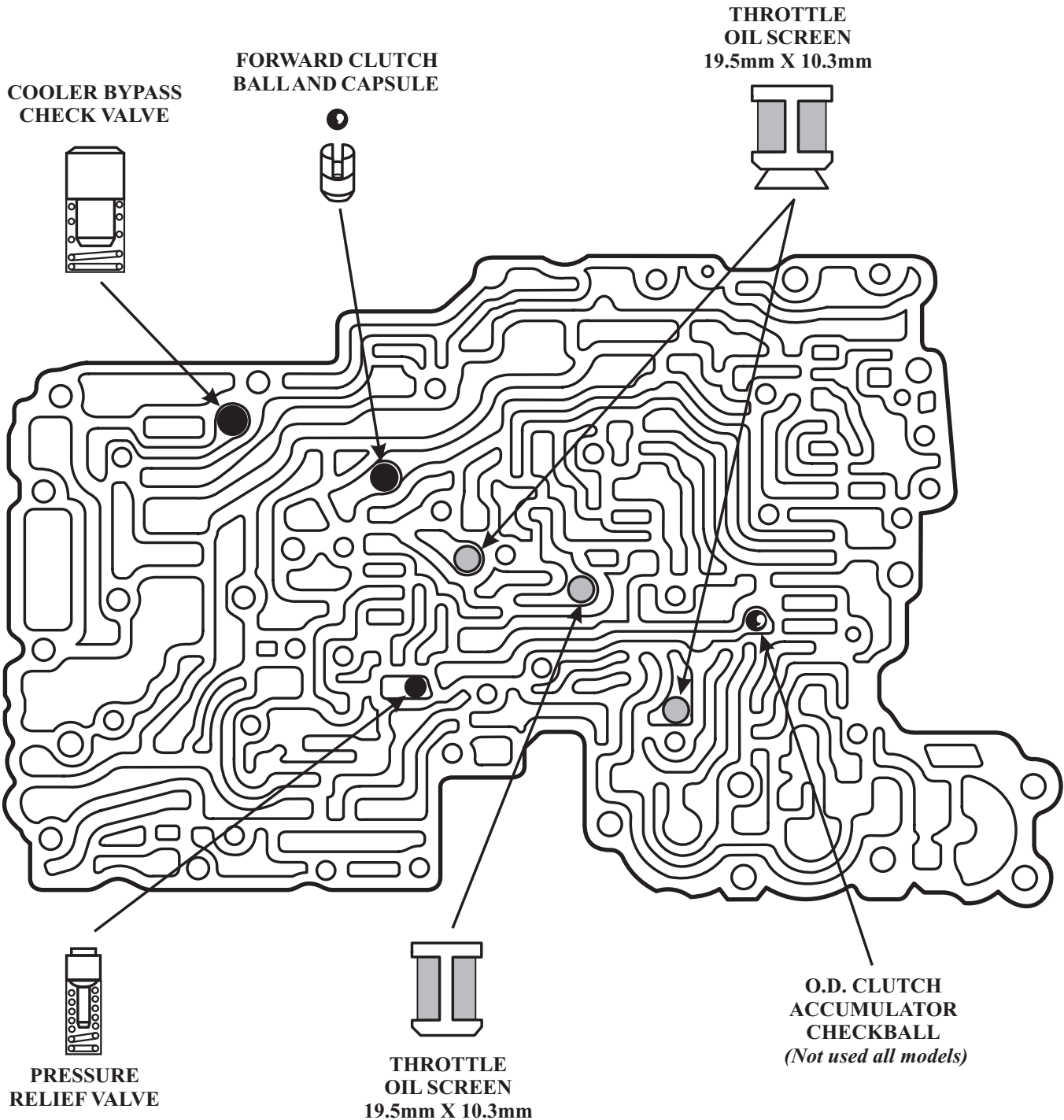
A343F TOYOTA LANDCRUISER 1995

"UPPER" VALVE BODY A343F MODELS



TOYOTA A343F SERIES TRANSMISSIONS A343F TOYOTA LANDCRUISER 1995

"LOWER" VALVE BODY A343F MODELS

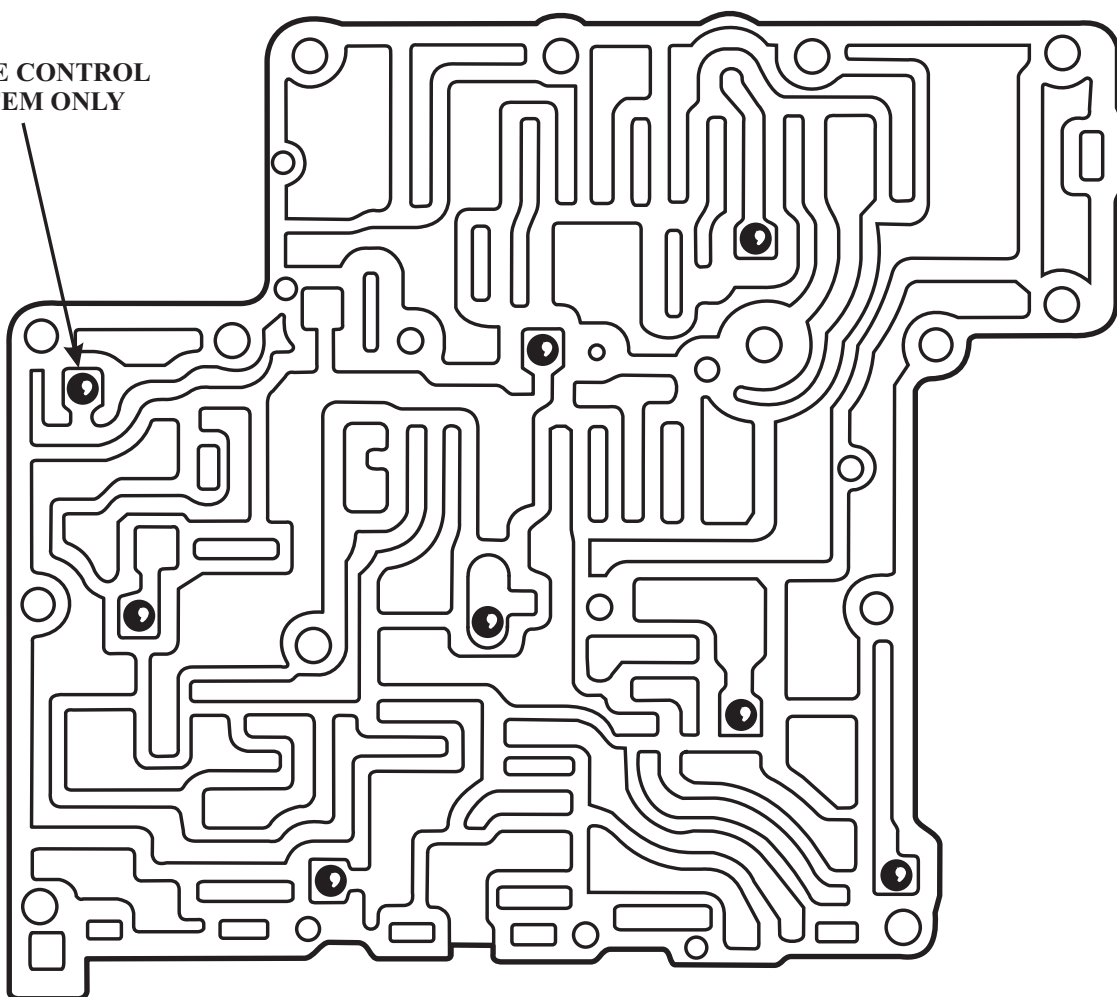


TOYOTA A440F TRANSMISSIONS

"REAR UPPER" VALVE BODY CHECKBALL LOCATIONS

REQUIRES SEVEN (7) CHECKBALLS
6.35mm (.250") DIAMETER ON MODELS
WITHOUT CRUISE CONTROL SYSTEM

CRUISE CONTROL
SYSTEM ONLY

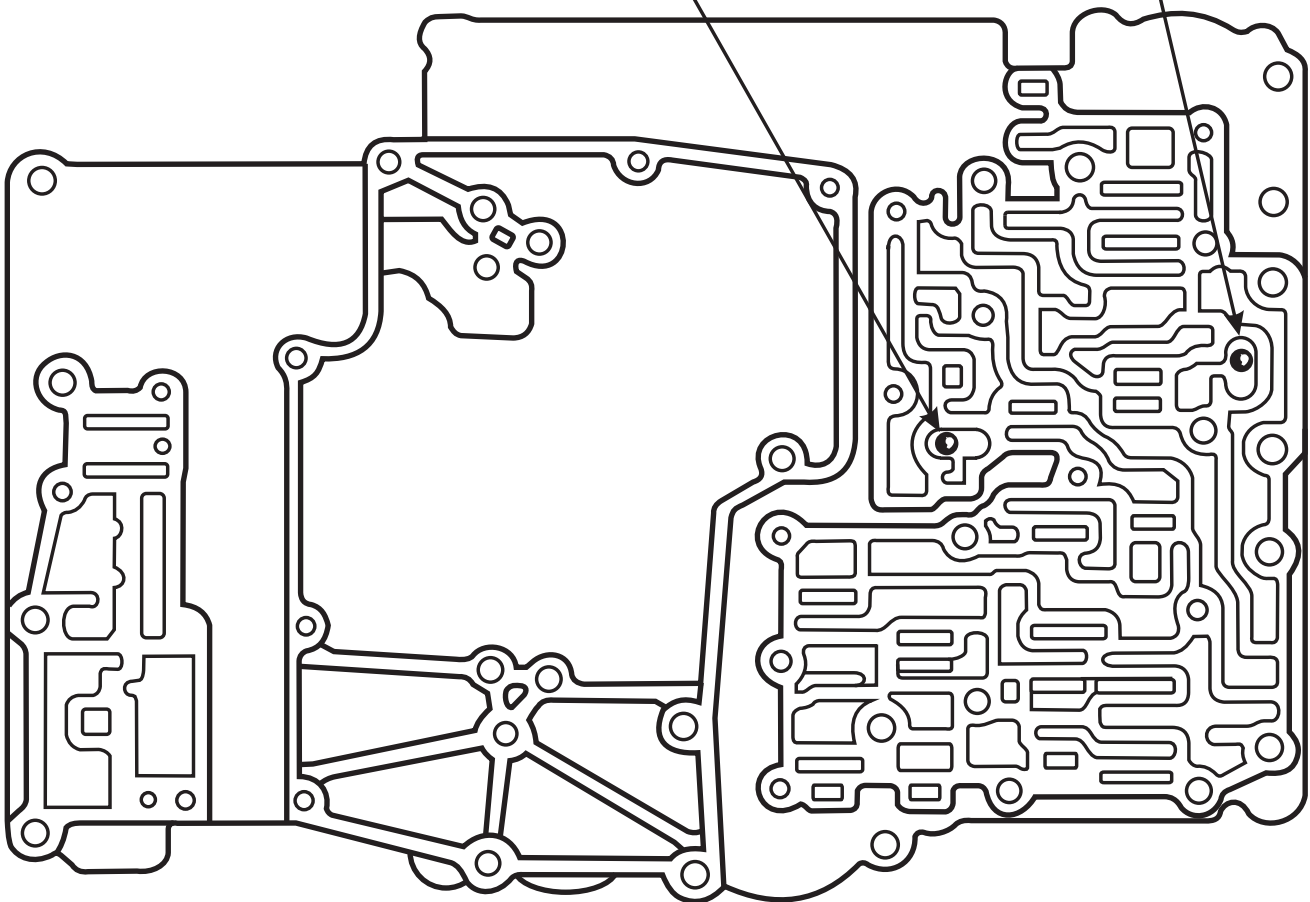


TOYOTA A440F TRANSMISSION CHECKBALL LOCATIONS

"LOWER" VALVE BODY
"LOWER" SIDE

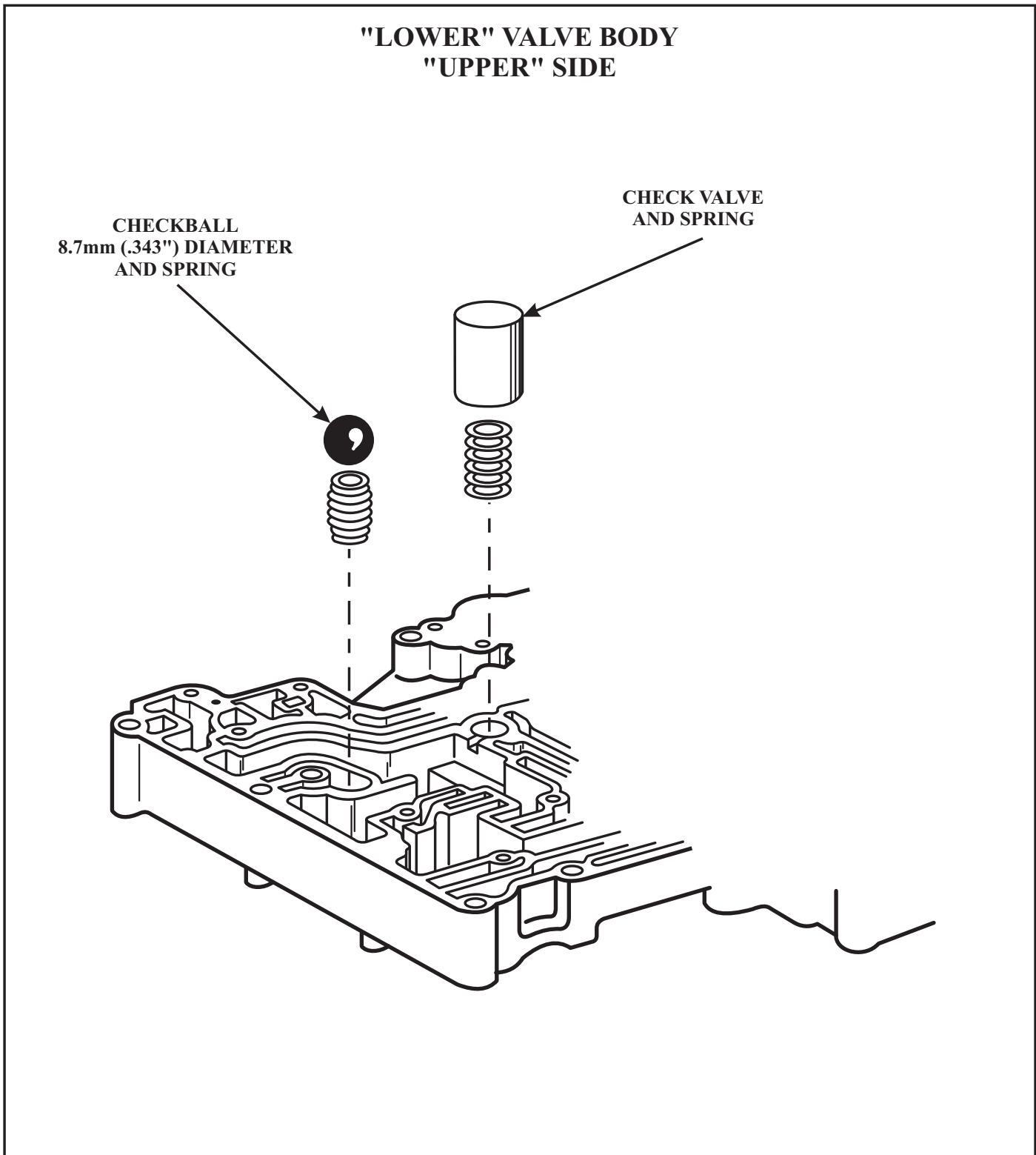
6.35mm (.250") DIAMETER
STEEL CHECKBALL

6.35mm (.250") DIAMETER
STEEL CHECKBALL



TOYOTA A440F TRANSMISSION CHECKBALL AND CHECK VALVE LOCATIONS

ProCarManuals.com



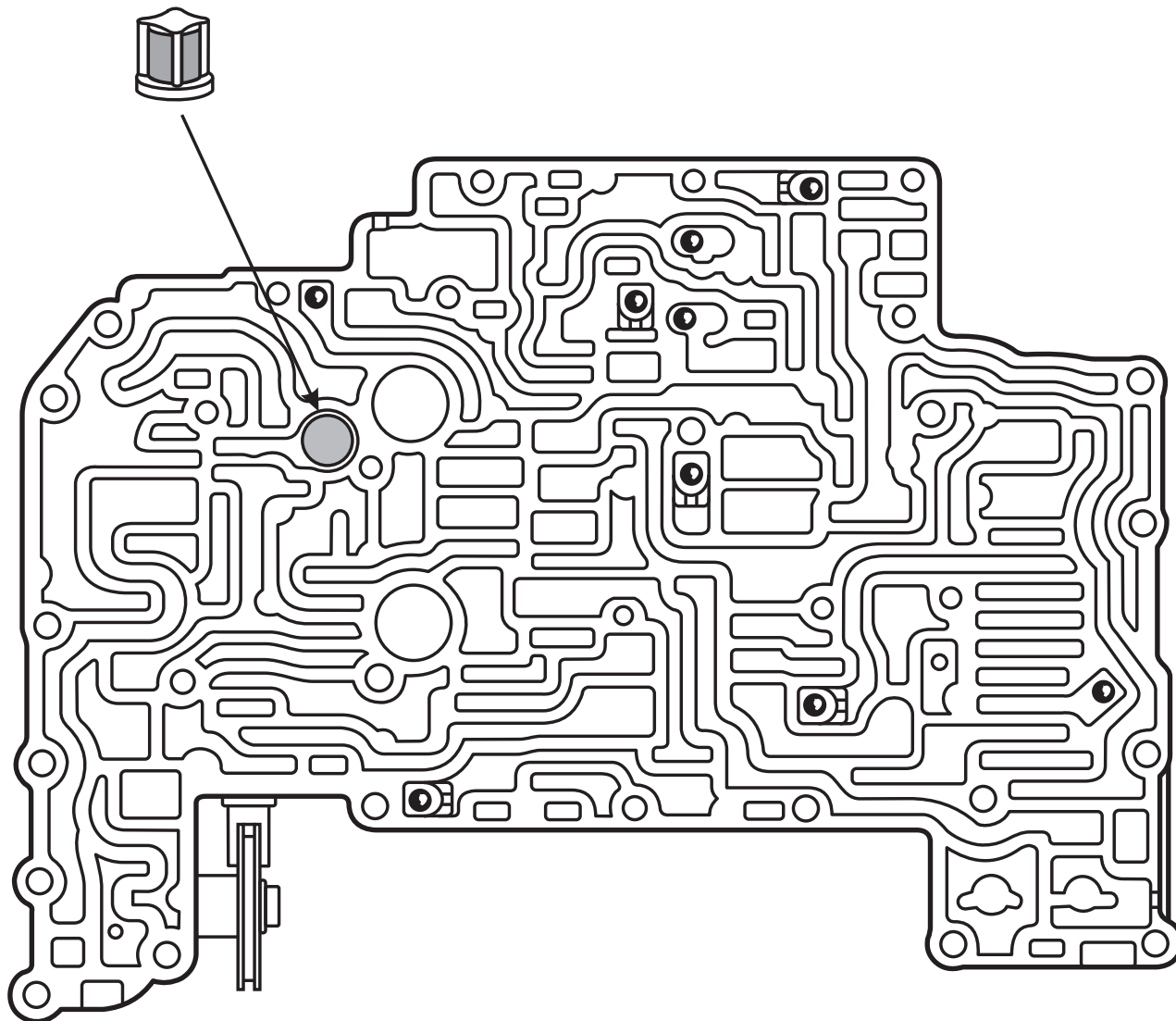
TOYOTA A442F TRANSMISSIONS

CHECKBALL LOCATIONS

"UPPER" VALVE BODY

REQUIRES NINE (9) STEEL CHECKBALLS
6.35mm (.250") IN DIAMETER IN THE
LOCATIONS SHOWN BELOW

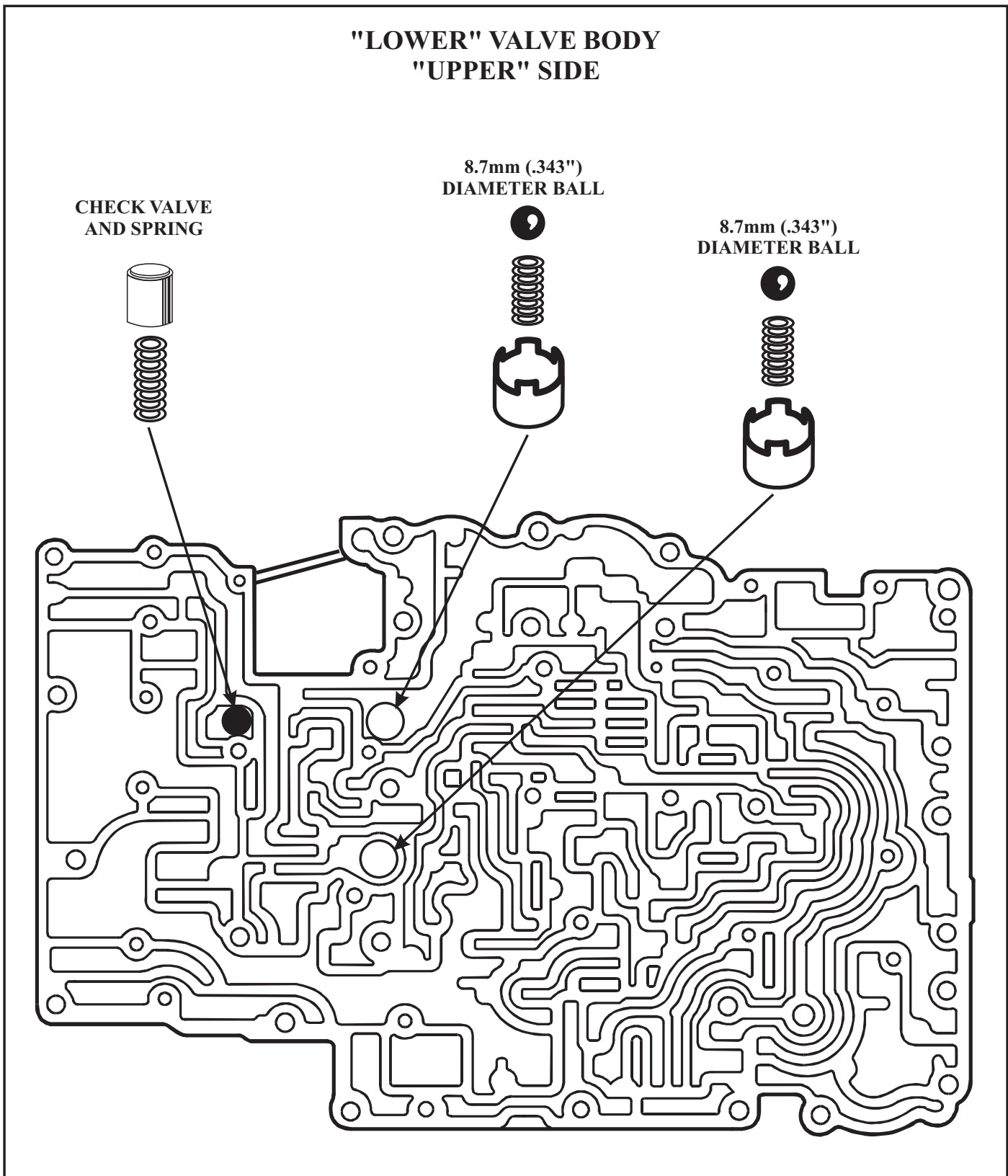
OIL SCREEN



TOYOTA A442F TRANSMISSIONS

CHECKBALL AND CHECK VALVE LOCATIONS

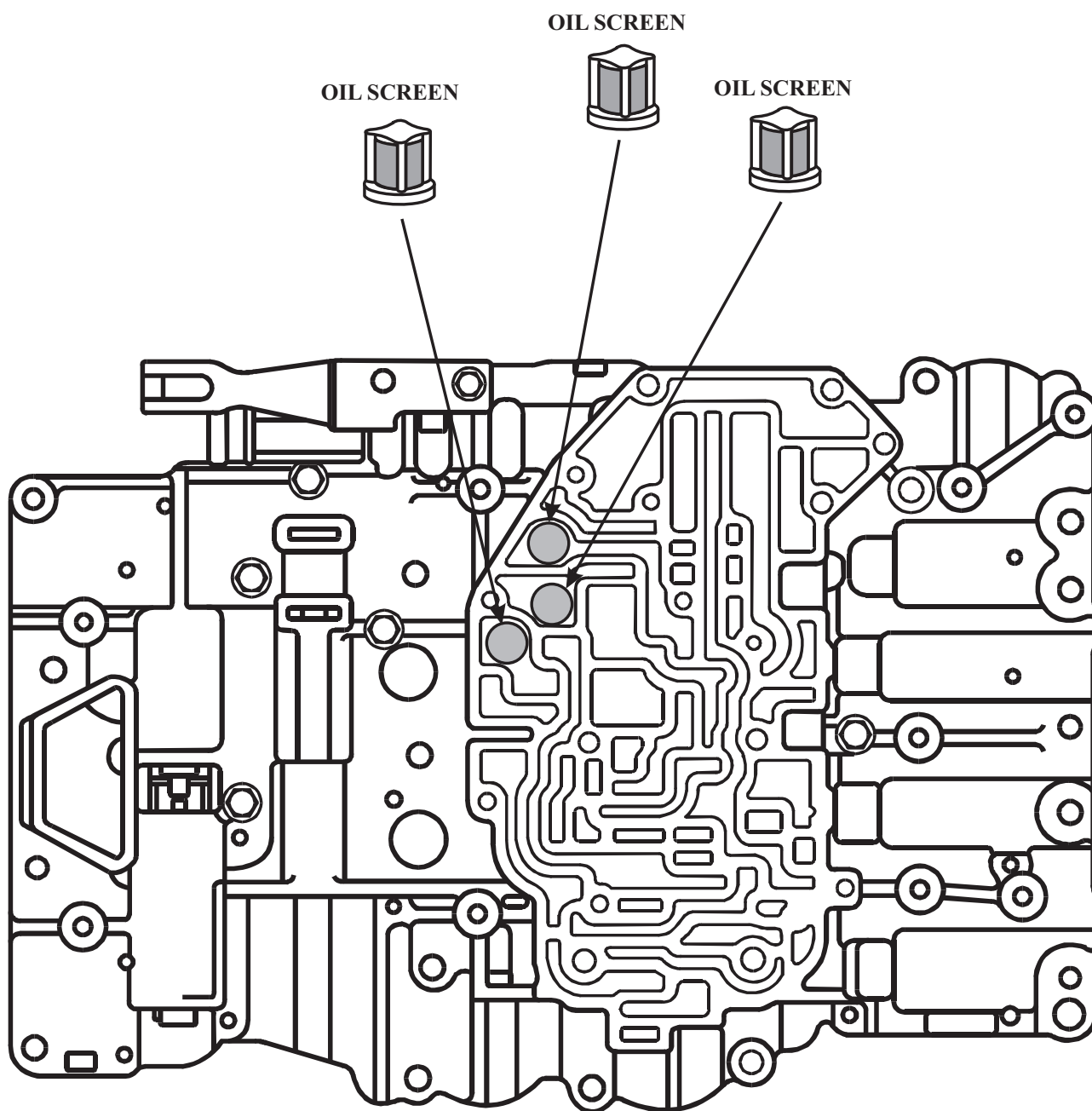
ProCarManuals.com



TOYOTA A442F TRANSMISSIONS

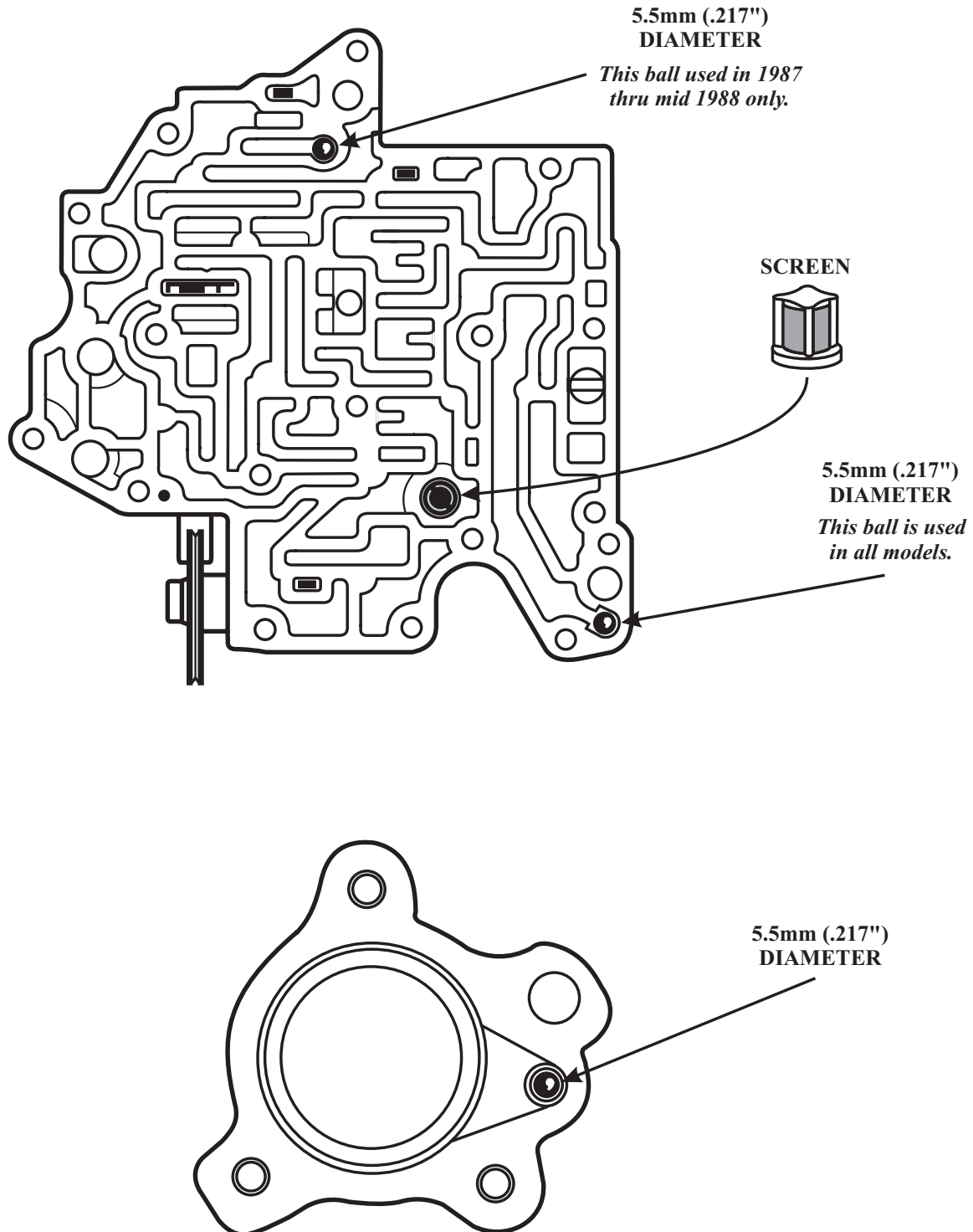
OIL SCREEN LOCATIONS

"LOWER" VALVE BODY
"LOWER" SIDE



TOYOTA A540E TRANSMISSIONS

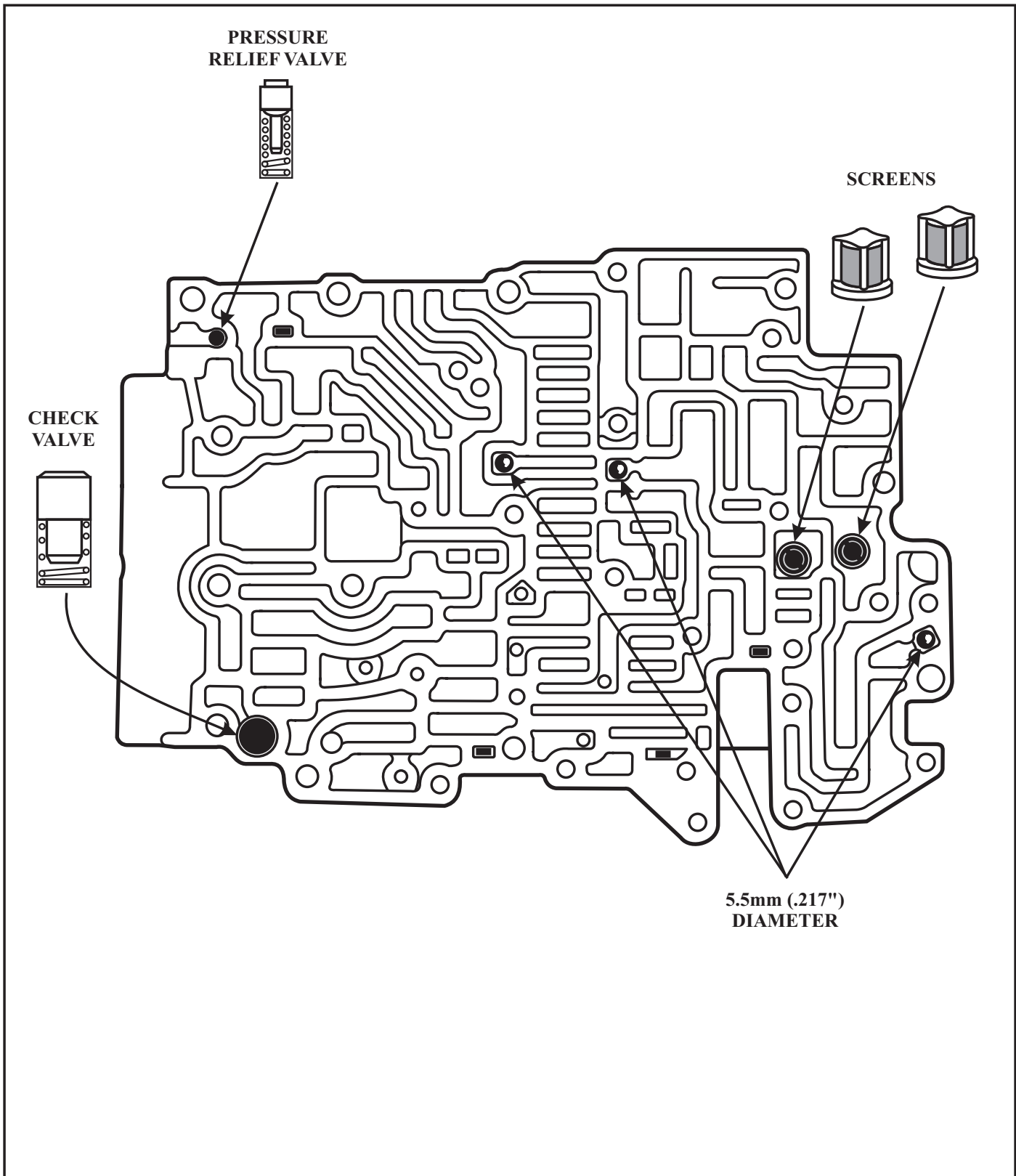
"UPPER" VALVE BODY AND ACCUMULATOR HOUSING



TOYOTA A540E TRANSMISSIONS

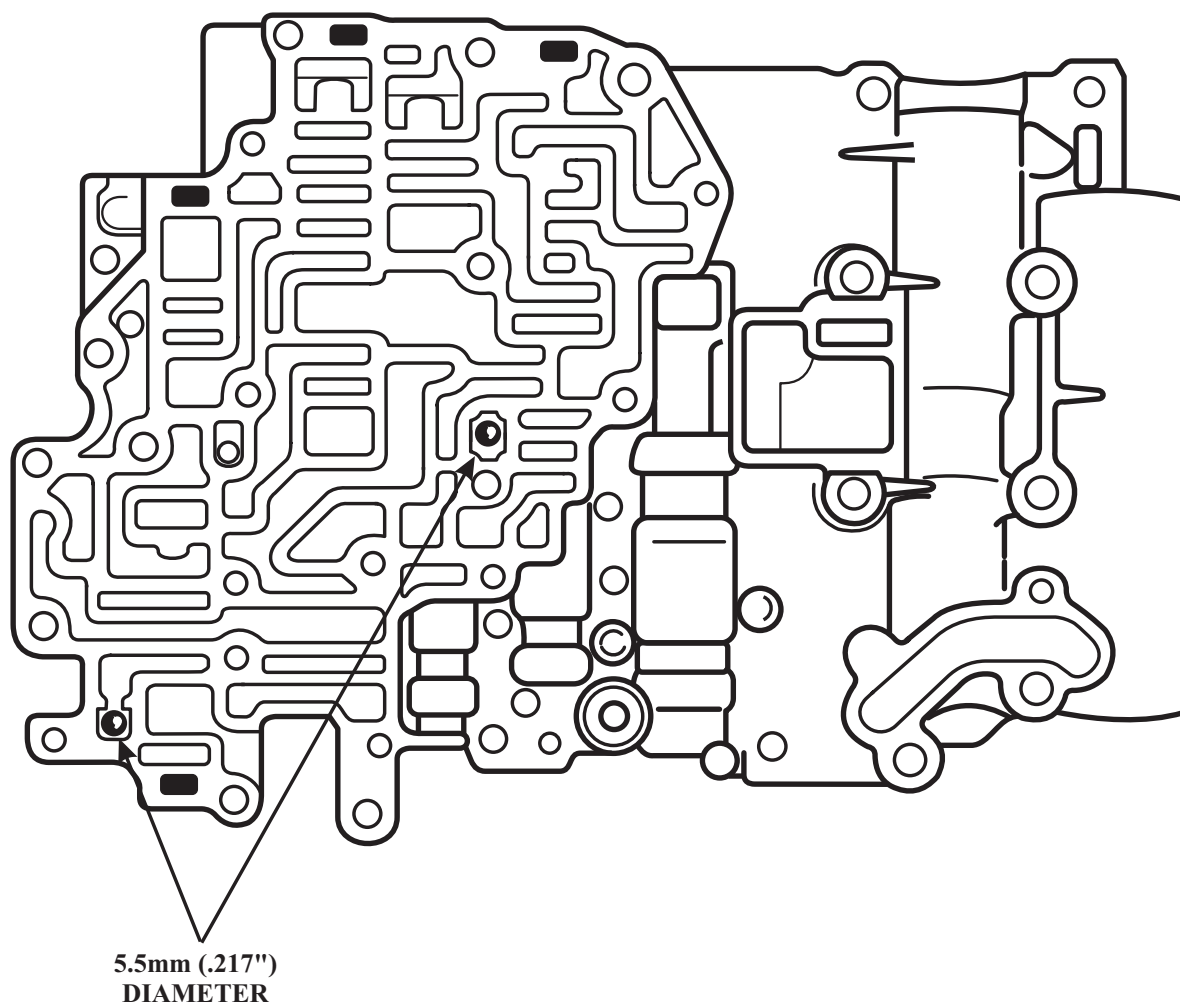
"LOWER" VALVE BODY, "CASE" SIDE

ProCarManuals.com



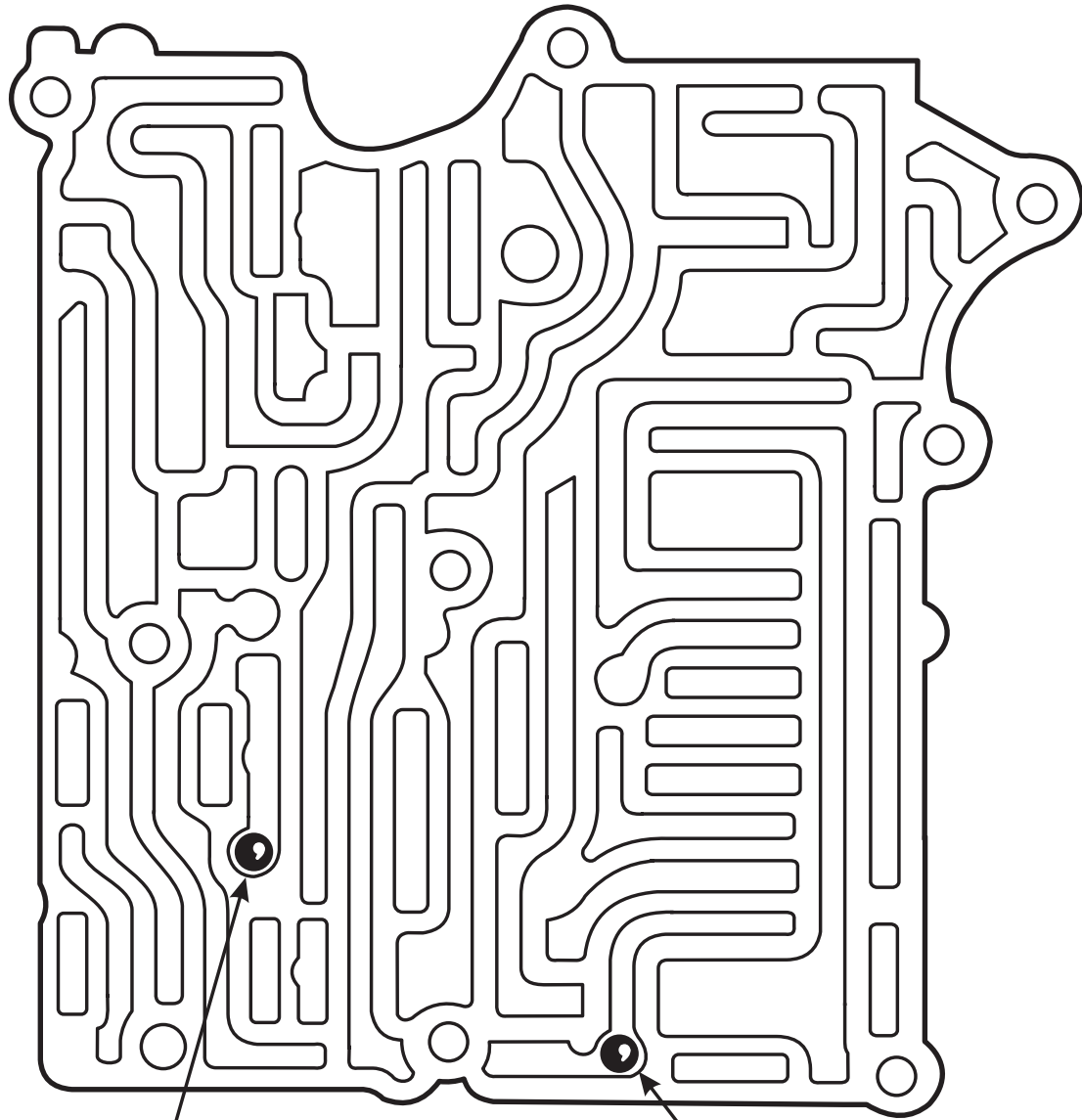
TOYOTA A540E TRANSMISSIONS

"LOWER" VALVE BODY, "FILTER" SIDE



VOLVO BW55 TRANSMISSIONS

"UPPER" VALVE BODY CHECKBALL LOCATIONS

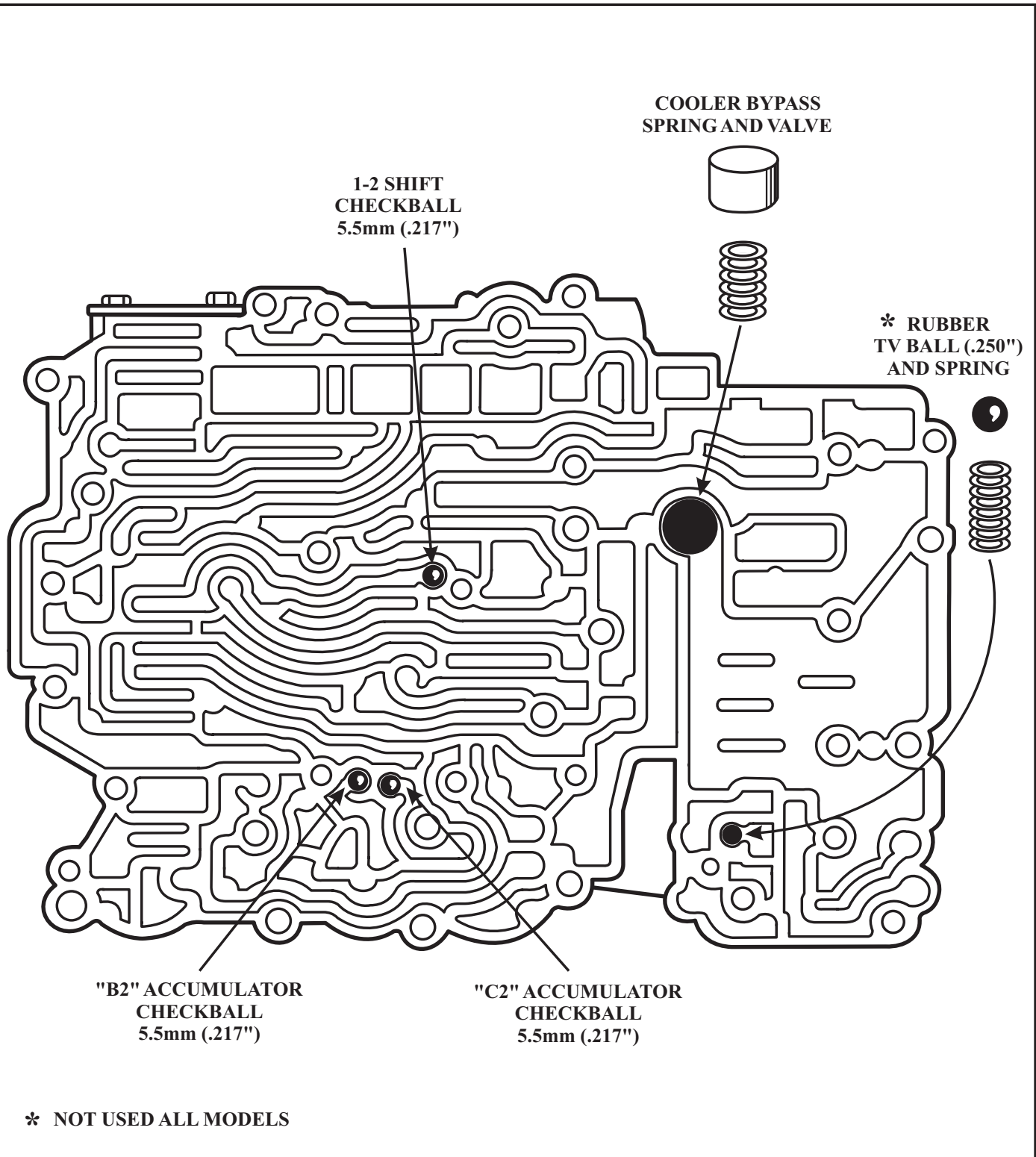


* .217" RUBBER
"B1" ACCUMULATOR
CHECKBALL

.217" RUBBER
"C1" ACCUMULATOR
CHECKBALL

* DELETED IN LATER MODELS

VOLVO BW55 "LOWER" VALVE BODY "CASE SIDE" CHECKBALL LOCATION



VOLVO BW55 THROTTLE VALVE BODY
CHECKBALL LOCATION

