

HOLD IT! Identify the valve body first!

Use SK® RE4FO3B

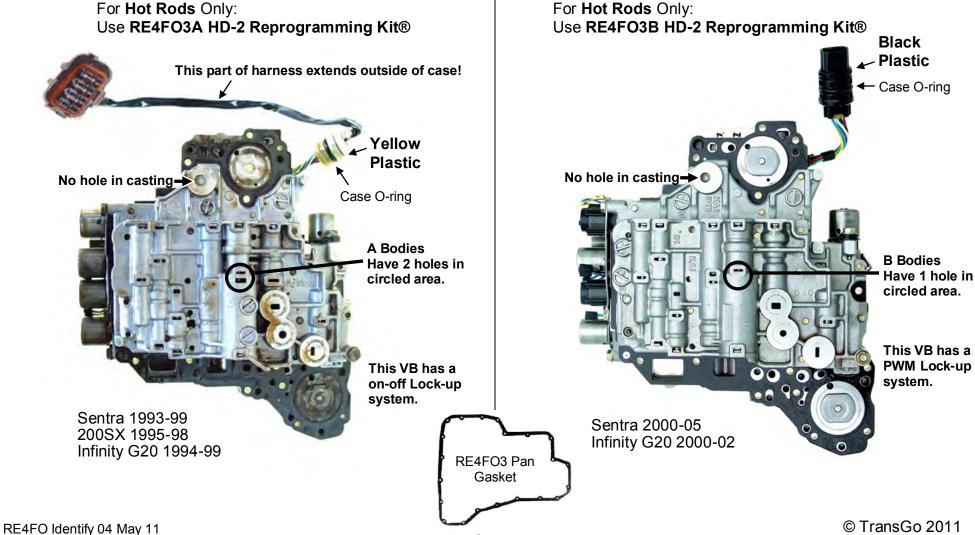
For RE4FO4 (Large Case) VB's See other side.

RE4FO3 B models: The internal solenoid wiring harness **DOES NOT** extend outside of the case!

ONLY use kit that matches VB! No Exceptions!

RE4FO3 A models: The internal solenoid wires extend outside of the case as shown below.

Use **SK® RE4FO3A**For **Hot Rods** Only:



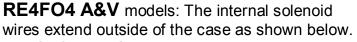


HOLD IT! Identify the valve body first!

For RE4FO3 (Small Case) VB's See other side.

RE4FO4 B models: The internal solenoid wiring

ONLY use kit that matches VB! No Exceptions!



harness DOES NOT extend outside of the case! Use SK® RE4FO4A Use SK® RE4FO4B For **Hot Rods** Only: For **Hot Rods** Only: Use RE4FO4A HD-2 Reprogramming Kit® Use RE4FO4B HD-2 Reprogramming Kit® **Black →** Plastic This part of harness extends outside of case! ← Case O-ring Yellow **B** Bodies **Plastic** Have 1 hole in Has hole in casting →≥ Has hole in casting circled area. Case O-ring **A&V Bodies** Have 2 holes in circled area. This VB has a This VB has a **PWM Lock-up** on-off Lock-up system. system. Maxima 2000-03 Altima 1993-99 Altima 2000-06 Maxima 1992-99 /04 SL Sentra SE-R 2.5L 2000-06 Quest 1993-02 /04 S&SL /05-06 S RE4FO4 Pan Infinity i30 1995-99 Infinity i30 2000-01 Gasket Infinity i35 2002 Mercury Villager 1993-02

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RE4F03B Shift Kit ®

Front Drive Nissan - Without TV Cable Sentra 2000-04 G20 Infinity 2000-04



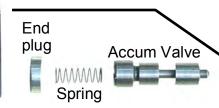
You never felt a Nissan shift this good, Hot or COLD.

This Kit is about:

Rough 2nd cold. No 3rd after a 3 -2 or 4-2 kickdown. Direct clutch (3rd) inner seal leaks, wears or opens up, etc. Corrects Hard and Soft 1-2. Long 2-3 heavy throttle. Firmer 4th and Lockup.

Use a skinny punch from other side of VB to *push* accum valve out of bore.

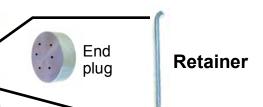
Retainer



LISTEN UP: If trans is out of vehicle do page 7 first.

Step 1. Remove **Retainers**. With sand paper smooth the small burr where the retainer was against bore.

Step 2. Insert Flat Bent Pry between the end plug & accum piston. Push piston inward away from the end plug far enough to insert the stem end of eyelet pry.



Step 3. With **Eyelet Pry** *push* the end plug *GENTLY* in various spots to remove it. Then remove 2nd accumpiston, spring & washer on **Page 2**.

Then *push* accum valve and end plug from this side of VB with a thin punch.

Flat Bent Pry

Stem

Eyelet Pry

Upper Valve Body

You'll love the 1-2 shift. **Short--Smooth--No bangs**

Step 1. Remove the accum valve. Chamfer partition as shown at bottom of page. Clean the bore. Reinstall valve. Install the **YELLOW** spring, end plug and retainer.

(C) Checkballs:

Seven Steel .214 to .218 Don't use plastic balls.

Use some **Vaseline** to keep the checkballs in place **NOT** grease.



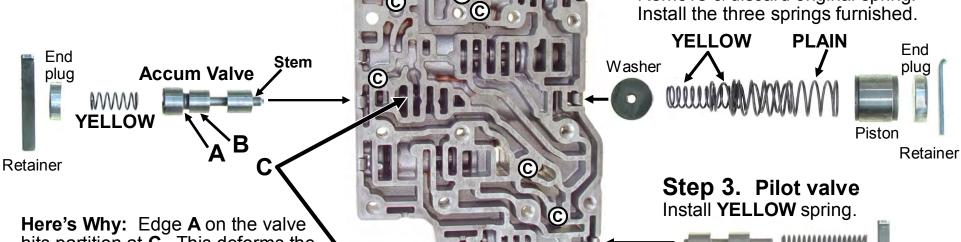
Hello Mechanic:

Pilot valve

Install accumulator valve first. Then, from this is side, install the flat washer on the stem of Accum Valve, then the remaining parts as shown.

Step 2. 2nd Accum Piston

Remove & discard original spring.



hits partition at **C**. This deforms the bore which sticks the valve at land **B**.

Here's how to fix it:

By HAND, make a slight chamfer in valve bore at "C" using a sharp 7/16" or 15/32" drill.

> Turn 7/16" or 15/32" drill by hand in bore.

Cutaway side view

Upper Valve body

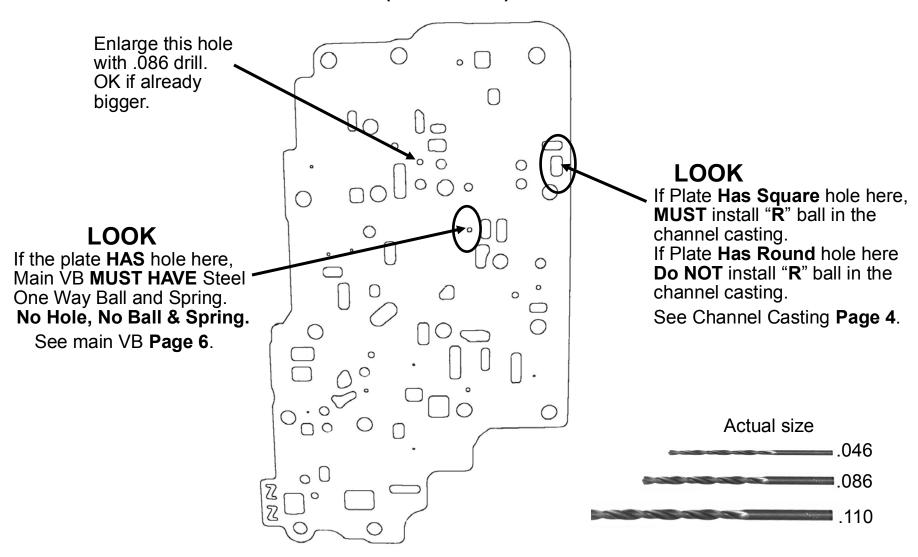


YELLOW

TRANSCO

Upper Separator Plate

(Small Plate)

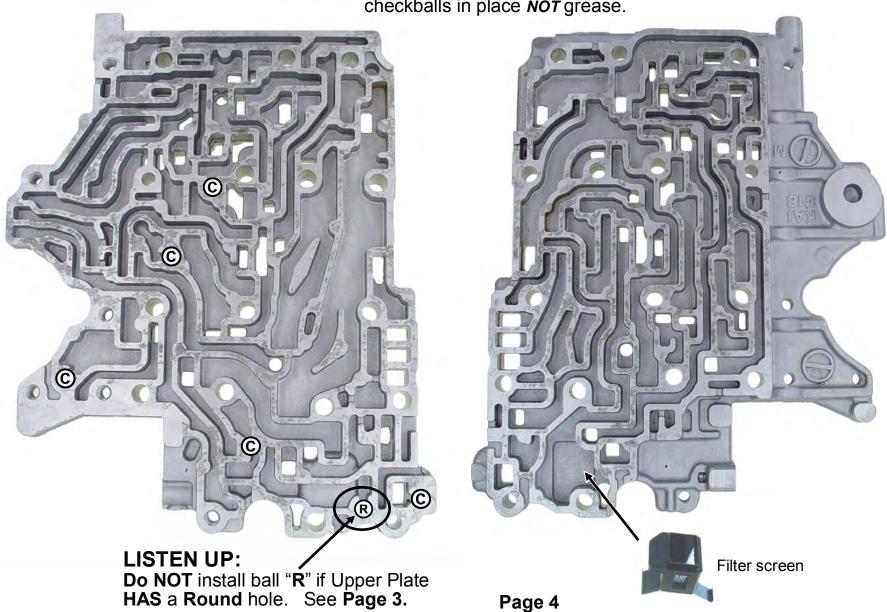


Channel Casting

Checkballs: Steel .214 to .218 Don't use plastic balls

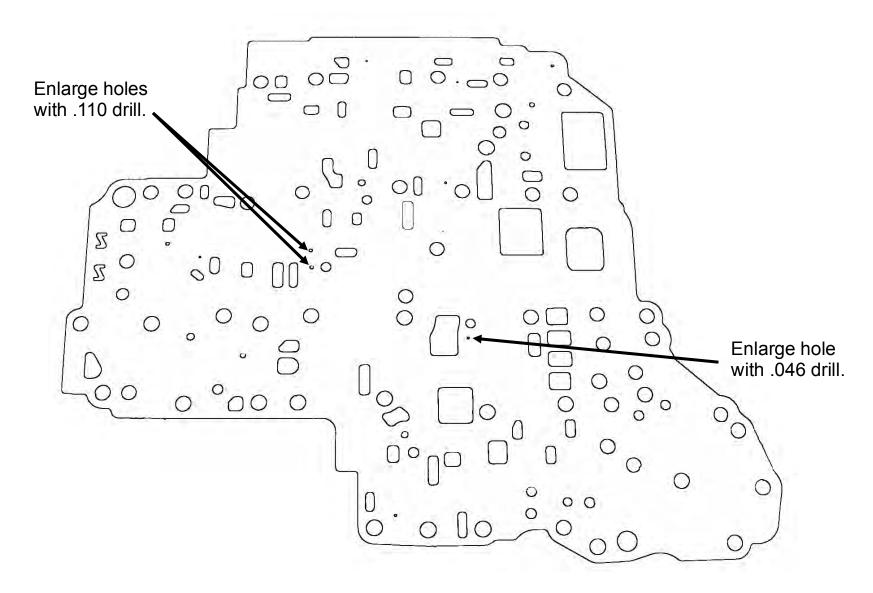
- © Five, all models.
- R Model Dependent see Page 3.

Use some **Vaseline** to keep the checkballs in place **NOT** grease.

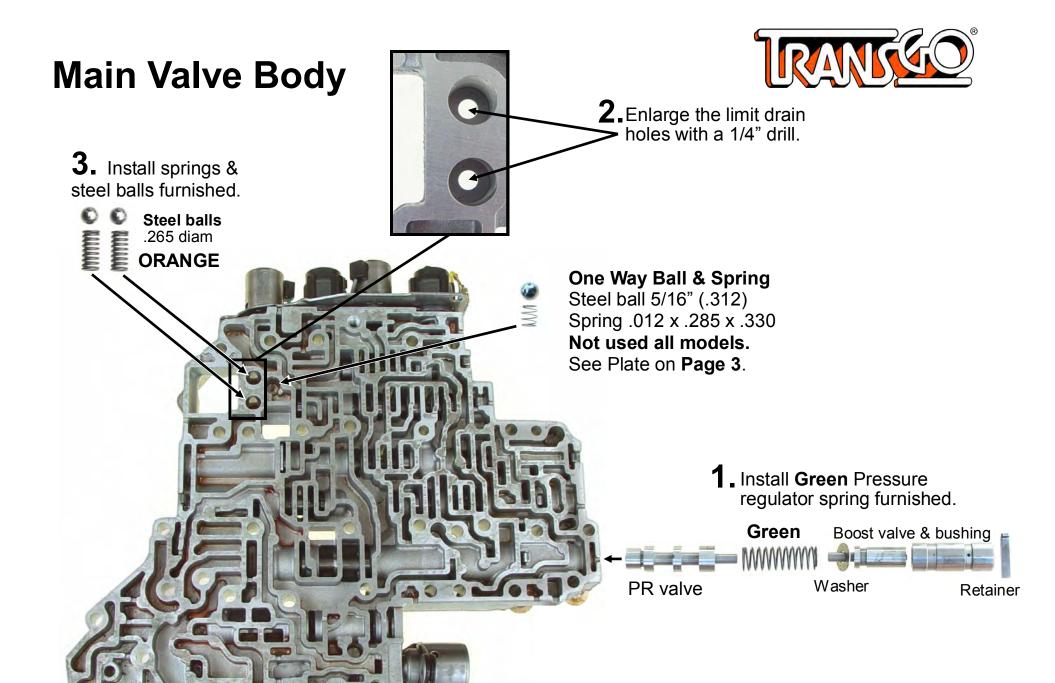


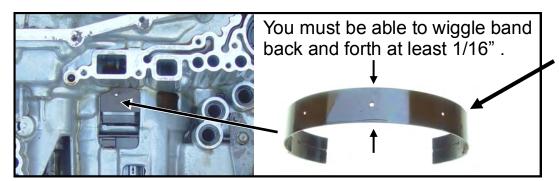
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Main Separator Plate



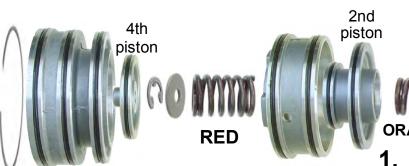
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Check Band Adjustment:

Install 2nd piston with new cushion seat and spring. If band will wiggle on drum 1/16" by hand, you can skip the band adjustment shown below.



Remove and *discard* original hard washer.

Cushion seat

ORANGE

Reuse

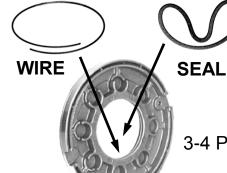
Install Cushion Seat. **ORANGE** and **RED** springs furnished.

Band adjustment: Snug with short wrench, then back off 2 to 2-1/2 turns and tighten lock nut. Use 14mm wrench and T30 TORX bit.

Do step 2 if trans is out of vehicle.

Poor design 3-4 clutch inner piston seal causes trans to lose 3rd & 4th. Usually worse when *hot* or after Kickdown.

2. Insert overlap part of the Wire into groove at 6 O'clock. Then shape **Seal** as shown and install into the groove.



Pat #6,575,472

3-4 Piston

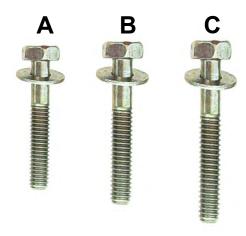


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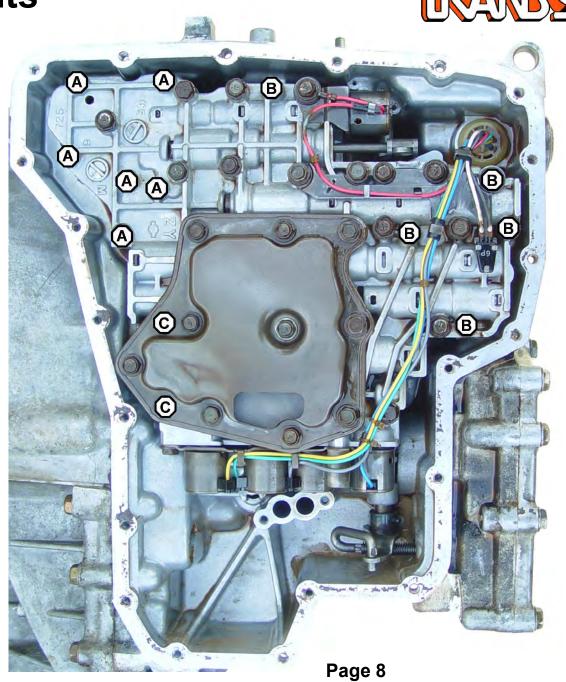
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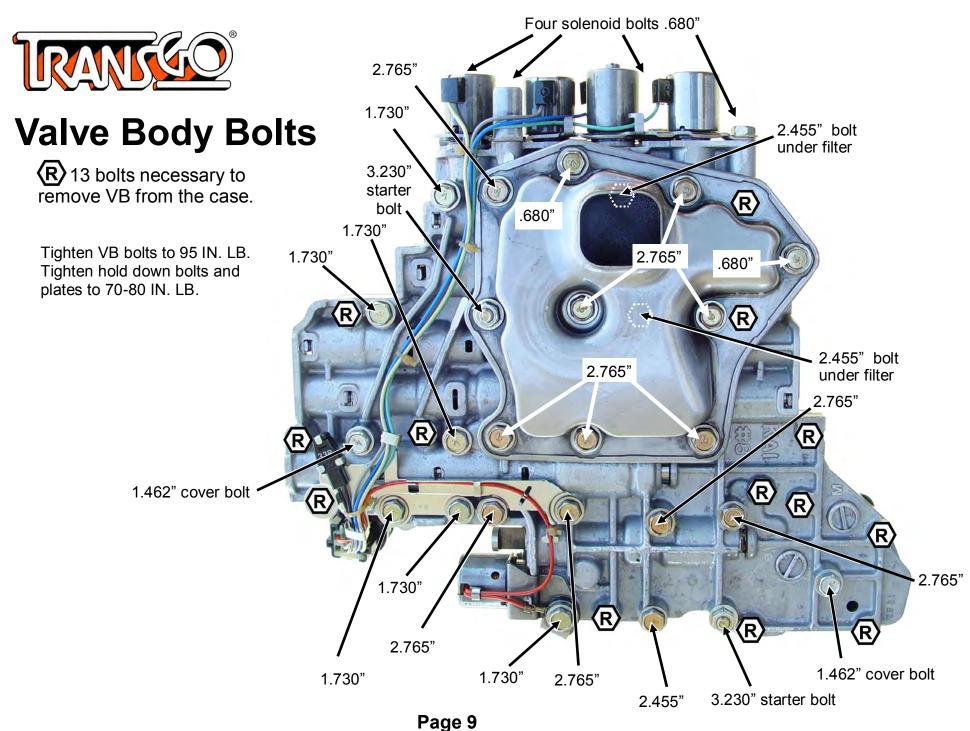
VB to Case Bolts

"A" Six bolts 1.455""B" Five bolts 1.725""C" Two bolts 1.885"



Tighten VB bolts to 95 IN. LB. Pan bolts to 65-80 IN. LB. Drain plug to 25 FT. LB.







Tighten VB bolts to 95 IN. LB. Tighten hold down bolts and plates to 70-80 IN. LB.

