

SK® Allison-Jr Fits 2005-2010 Six Speed Models

Six Speed ID: Shifter Indicator Says: PRNDM

Working Trucks-Competition-Street Show Off



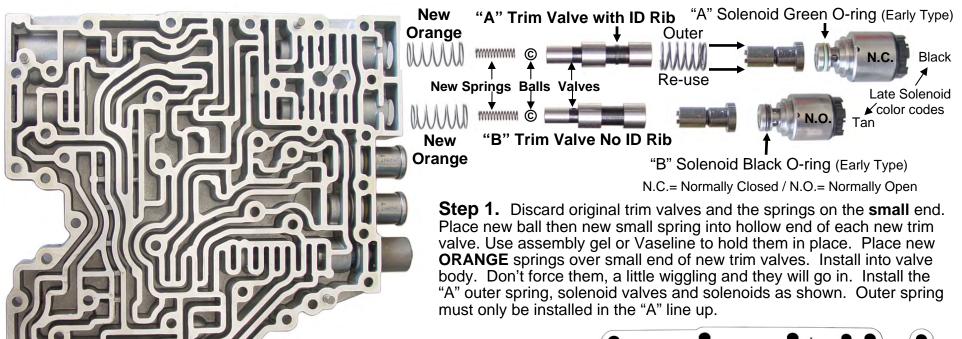
FIX/Reduce Driving Complaints Goes to Neutral under high load Won't Drive Forward/Backwards Sticks in One Gear **Sets Trouble Codes Short-Crisp-Perfect-Shifts**

Modified Engine? Without this kit more engine power usually causes codes, stuck in neutral, stuck in one gear and burned clutches.

Thanks for listening, Gil Younger

SK® Allison-Jr installs from the bottom without trans removal. Install it before adding horsepower to prevent internal damage.





Patent Pending

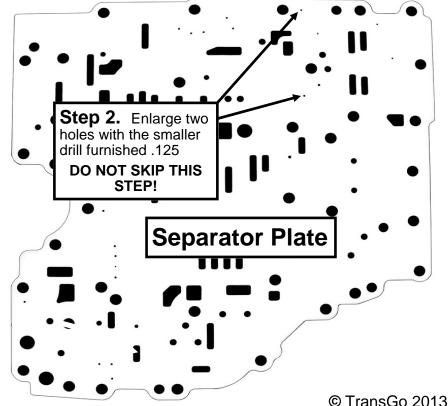
Valve Body & Plate Upgrades

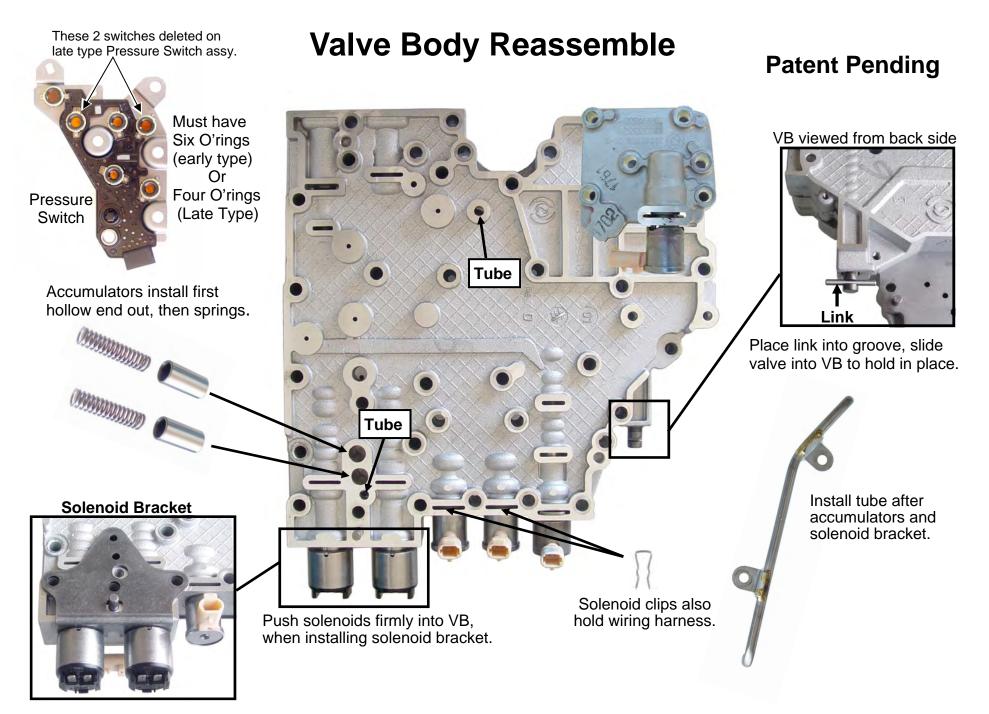
To read and clear codes use scan tool and generic OBD-II software. To read *live trans data* you will need a scan tool with compatible software (cartridge).

To read & reset shift adaptive tables (Fast Learn). Use Allison diagnostic software or Tech 2 scan tool.

Codes you might see:

P0731=1st gear slip, P0732=2nd gear slip, P0733=3rd gear slip, P0734=4th gear slip, P0735=5th gear slip, P0741=TCC slip





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Relearn is required when adding horsepower or working on the trans: This trans is a tough piece, with intelligent computer control. The computer has adaptive strategy that constantly adjusts shift clutch pressures to match engine torque and vehicle load. With increased horsepower you must allow time for relearning.

Start relearn by making at least 6 sets of light throttle upshifts through all gears, next make six sets of shifts at 1/3 throttle, then 1/2 throttle, 3/4 throttle and so on. Treat downshifts the same way by starting with light throttle and working up to full throttle. When the shifts are quick and smooth hit the tow haul button and start over with relearn.

During relearn expect some clunks, bumps and or short flares, especially during the 3-4 shift. Bumps and flares are normal during the relearn. Always do relearn: With any power change or when there has been any repair or change in the pump, valve body or clutches. Installation of the TransGo® Shift Kit® requires relearn.

Explanation: The computerized control system on this truck is watching and recording everything, it stores data in lookup tables similar to an excel spread sheet. For example how long, in time, it takes for a gear change to complete under various conditions. It looks at and records the relationship between rate of acceleration and throttle opening, it calculates engine torque output based on inputs like fuel consumption, boost pressure, air density, temperature, throttle position, and many other factors. It uses this to calculate the load or weight that is being accelerated, at a given time. **It learns and remembers.**

All this information is used by the computer to calculate the optimum gear change apply rate. A perfect shift is as short, in time, as possible with minimum feel and stress to the drive train. For every gear change the computer system must release one gear and bring on the next. If the release and apply is too slow for a given torque and load, cutloose slipping will occur. If release is too slow or apply too quick a bind up will occur—two gears at the same time.

Both of these conditions can cause major damage—Clutch failure.

Relearn usually takes about 2 hours. This can be greatly reduced by using Tech 2 or PC based Allison software to clear memory and place the TCM in the fast learn mode.

Give this trans respect and it'll give you appreciation and service.

"Thanks for listening" TransGo Tech Team