**Aisin Warner 55-50SN**

**Torque specification:**
- Valve body bolts: 10Nm
- Oil pan bolts: 13Nm

**Clutch clearance:**
- Forward Clutch (C1): 0.74-1.06 mm
- Direct Clutch (C2): 1.49-1.91 mm
- 4-5 Clutch (C3): 1.52-1.90 mm
- Second Coast (B1): 0.76-1.44 mm
- Second Brake (B2): 1.01-1.39 mm
- Low/Reverse (B3): 0.76-1.54 mm
- 1-2 Reverse (B5): 2.34-2.70 mm

**Oil Pressure:**
- Drive: min 47-58psi / max 185-208psi
- Reverse: min 70-90psi / max 245-290psi

**Software:**
- Volvo needs to be reflashed with OE-Equipment.

**Oil specifications:**
- Refill: 4.0 Ltr
- Dry fill: 7.1 Ltr

**Fluid specifications:** JWS 3309
Software:
Volvo needs to be reflashed with OE-Equipment.

Oil specifications:
Refill 4.0 Ltr
Dry fill 7.1 Ltr
Fluid specifications: JWS 3309

Electronics:
Speedsensors input/output Hall Effect 47K Ohms
Fluid temperature sensor 3.2K Ohms
EPC solenoid SLT Blue 5 Ohms
TCC solenoid SLU Black 5 Ohms
B3 Solenoid SLS Green 5 Ohms
Shift solenoid S1 Black 14 Ohms normally open
Shift solenoid * S2 Black 14 Ohms normally open (*GM)
Shift solenoid * S2 Grey 14 Ohms normally closed (*Volvo)
Shift solenoid S3 Grey 14 Ohms normally closed
Shift solenoid S4 Blue 14 Ohms normally open
Shift solenoid S5 Brown 14 Ohms normally closed

Servo / Band:
Servo piston Stroke 5.76-6.76mm

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Common failures:
1. 2-3 spin up /Neutrals when coming to a stop/Sloppy shifting on Volvo models can be repaired by re-flash at a Volvo dealer
2. 3-2 downshift bang/flair after changing the valve body can be caused by the B5-spring inside the valve body. Always check the old valve body if the spring is in, and when in be sure you also have it inside the new valve body.