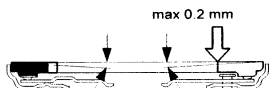


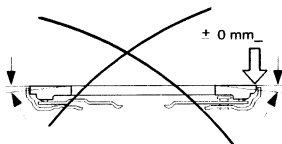
## Section 4 Power gearbox

## Group 41 Clutch

Pressure plate, maximum distortion (see illustration below)	mm	0.2
Clutch pedal, travel .....	mm	130



Tightening torques:



AA300554

Pressure plate, flywheel .....	Nm / ft. lb.	25/18
Mounting screws, master cylinder .....	Nm / ft. lb.	25/18
Clutch slave cylinder .....	Nm / ft. lb.	10/7.5

## Group 43 Gearbox

## Gear ratios, manual gearbox

Gear	M56L	M56H
1st gear .....	3.38:1	3.07:1
2nd gear .....	1.90:1	1.77:1
3rd gear .....	1.19:1	1.19:1
4th gear .....	0.87:1	0.87:1
5th gear .....	0.70:1	0.70:1
Reverse gear .....	3.30:1	2.99:1
Final drive .....	4.25:1	4.00:1

## Tightening torques, manual gearbox

starter motor-gearbox .....	Nm	40
bell housing-cylinder block .....	Nm	50
bracket, gear selector .....	Nm	25
inductive sensor (ABS sensor) .....	Nm	10
gear selector assembly .....	Nm	25
switch .....	Nm	25
cable grommet, firewall .....	Nm	6
engine mountings .....	Nm	50
plug for draining / level check .....	Nm	35

## Gear ratios, automatic gearbox AW50-42

1st gear .....	3.61:1
2nd gear .....	2.06:1
3rd gear .....	1.37:1
4th gear .....	0.98:1
Reverse gear .....	3.95:1
Final drive (alternative ratios) .....	2.56:1
	2.76:1

C70

## Group 43 Gearbox

## Gear ratios, automatic gearbox AW50-50

1st gear .....	4.77:1
2nd gear .....	2.99:1
3rd gear .....	1.96:1
4th gear .....	1.32:1
5th gear .....	1.02:1
Reverse gear .....	3.23:1
Final drive .....	2.44:1
	B5204T4
	2.65:1

## Line pressure, automatic gearbox

	AW55-50	AW55-42
position D, idling speed ..... MPa	0.4	0.4
stalling speed ..... MPa	1.3	1.2
position R, idling speed ..... MPa	0.6	0.6
stalling speed ..... MPa	1.9	1.8

## Engine, final drive, gearbox, control module

Engine	Model year	Final drive	Gearbox Volvo P/N	Control module Volvo P/N
B 5204 T3	99-	2.56:1	12 08 877	See VADIS
B 5204 T4	99-	2.76:1	12 08 925	See VADIS
B 5204 T4	W020-	2.65:1		
B 5234 T3	99-	2.56:1	12 08 941	See VADIS
B 5234 T3	W020-	2.44:1		
B 5254 T	99-	2.56:1	12 08 919	See VADIS
B5244 T	W020-	2.44:0	8601834	See VADIS

## Components

## Resistance AW50-50

Components must not be replaced.

If defective replace the entire gearbox assembly.

## Resistance AW50-42

Shift solenoids 1 (S1) and 2 (S2) .....	Ω	10 - 15
Lock-Up solenoid (SL) .....	Ω	10 - 15
Line pressure solenoid (STH) .....	Ω	2 - 6
Engine speed (RPM) sensor: .....	Ω	300 - 600
Note that on gearboxes with control module P/N: 92 06 838 you cannot use an ohmmeter		
Oil temperature sensor:		
at +150°C .....	Ω	23 - 31
at 0°C .....	Ω	1700 - 2300

## Tightening torques

			Dimension
Torque converter - engine .....	Nm	48	M 10
Drive plate - torque converter .....	Nm	28	M 8
Gearbox - oil filler pipe, bracket .....	Nm	24	M 8
Gearbox - gearbox cable bracket .....	Nm	25	M 8
Manual shaft - lever for gear shift cables .....	Nm	16	M 8
Nipple for coolant pipe .....	Nm	30	M 14
Oil drain plug .....	Nm	40	M 18