Section 4 Power transmission Group 41 Clutch

| Pressure plate, | |
|--|-----|
| max. out-of-truemm | 0.2 |
| Clutch fork clearance, | |
| hydraulic controlnot adjustable | |
| with return spring at cylinder (play forwards)mm | 1-3 |
| with return spring at pedal (play rearwards)mm | 1–3 |
| Clutch pedal strokemm | 160 |

Group 43 Transmission

Manual transmission

| Туре | M 46 | M 47 | M 90 |
|--------------------------|----------------|----------------|--------|
| Ratios: | | | |
| 1st gear | 4.03 : 1 | 4.03 : 1 | 3.54:1 |
| 2nd gear | 2.16 : 1 | 2.16 : 1 | 2.05:1 |
| 3rd gear | 1.37 : 1 | 1.37 : 1 | 1.38:1 |
| 4th gear | 1.00 : 1 | 1.00 : 1 | 1.00:1 |
| 5th gear | 0.79 : 1 | 0.82 : 1 | 0.81:1 |
| Reverse gear | 3.68 : 1 | 3.68 : 1 | 3.45:1 |
| Play | | | |
| between reverse gear | | | |
| and gear selectormm | 0.1 – 1.0 | 0.1 – 1.0 | |
| axial play | | | |
| input shaftmm | 0.01 – 0,20 | 0.01 - 0.20 | |
| countershaftmm | 0.03 0.05* | 0.01 - 0.10 | |
| primary shaftmm | 0.01 – 0.20 | 0.01 - 0.20 | |
| 5th synchro. hubmm | | 0.01 – 0.20 | |
| *pre-tensioning | | | |
| | | | |
| Lubricating oil | | | |
| Type: ATF | F, G, | F, G, | |
| | Dexron II D/E, | Dexron II D/E, | |
| | Ford Mercon | Ford Mercon | |
| Type: SyntheticVolvo P/N | | | 97 308 |
| Oil volume, approxlitres | 2.6 | 1.6 | 1.75 |

| Oil pressure - overdrive | | | |
|---|--------------------------------------|--------------------------------------|--------------------------------------|
| Туре | J | J/P | Р |
| Top gearMPa(kp/cm ²) Overdrive engagedMPa(kp/cm ²) | 0.15 (1.5) 2.8 – 3.1 (28 – 31) | 0.15 (1.5) 2.7 – 2.9 (27 – 29) | 0.15 (1.5) 2.8 – 3.1 (28 – 31) |

Manual transmission

| Tightening torques | Nm | ft. Ib |
|--|-----------|-----------|
| Factories for hall bouging | 35 - 50 | 26 - 37 |
| Fasteners for bell housing Screws for rear plate (gear lever carrier) | 40 | 30 |
| Fasteners for transmission cover | 15 - 25 | 11 - 18 |
| Fastener for countershaft, M 47 | 35 - 45 | 26 - 33 |
| Nut, drive plate, M 47 (M16) | 70 - 90 | 52 - 66 |
| (M20) | 90 - 110 | 66 - 81 |
| M 46 | 165 - 180 | 122 - 133 |
| Nut for rear housing, M 46 | 12 - 18 | 9 - 13 |
| Nut for 5th gear synchromesh, M 47 | 120 | 89 |
| Oil plugs | 27 - 40 | 20 - 30 |

Automatic transmission

| AW 70/71 | AW 72 | AW 30-40 | AW 30-43 |
|---------------------------------------|---|---------------|---------------|
| | | | |
| 2.45 : 1 | 2.83 : 1 | 2.80 : 1 | 2.80 : 1 |
| 1.45 : 1 | 1.49 : 1 | 1.53 : 1 | 1.53 : 1 |
| 1:1 | 1:1 | 1:1 | 1:1 |
| 0.69 : 1 | 0.73 : 1 | 0.71 : 1 | 0.75 : 1 |
| 2.21 : 1 | 2.70 : 1 | 2.39 : 1 | 2.39 : 1 |
| | | | |
| 190, 206, 217 | 206 | 206 | 177 |
| 248 ⁴⁾ , 254 ⁵⁾ | 254 | 254 | 254 |
| 1.72 - 2.40:1 | 2.4:1 | 2.4: 1 | 2.1:1 |
| | | | |
| 7.50 | 7.50 | 7.75 | 7.75 |
| | | | |
| 0.5 | 0.5 | 0.5 | 0.5 |
| Dexron II D/E | Dexron II D/E | Dexron II E/D | Dexron II E/D |
| Ford Mercon | Ford Mercon | Ford Mercon | Ford Mercon |
| ZF4HP22 1) | ZF4HP22 ³⁾ | | |
| | | | |
| 2.73 : 1 | 2.48 : 1 | | |
| 1.56 : 1 | 1.48 : 1 | | |
| 1:1 | 1:1 | | |
| 0.73 : 1 | 0.73 : 1 | | |
| 2.09 : 1 | 2.09 : 1 | | |
| | | | |
| 218 ²⁾ | 195 ³⁾ | | |
| 260 | 260 | | |
| 2.3:1 | 2.3:1 | | |
| | | | |
| 7.5 | 7.5 | | |
| | | | |
| 0.5 | 0.5 | | |
| Dexron II D/E | Dexron II D/E | | |
| 1 | l | | |
| | 2.45:1 1.45:1 1:1 0.69:1 2.21:1 190, 206, 217 248 ⁴⁾ , 254 ⁵⁾ 1.72 - 2.40:1 7.50 0.5 Dexron II D/E Ford Mercon ZF4HP22 ¹⁾ 2.73:1 1.56:1 1:1 0.73:1 2.09:1 218 ²⁾ 260 2.3:1 7.5 0.5 Dexron II D/E | 2.45:1 | 2.45 : 1 |

1) D 24, D 24 T/TIC 2) D 24 3) Others

⁴⁾ without lock-up 5) with lock-up

| Engine | Type | Volvo | Normal stall speed |
|-------------|-----------|----------------------|---------------------------|
| | | P/N | r/s(rpm) |
| B 200 E | AW 70 | 12 08 415 | 35.0 (2100) |
| B 200 F/G | AW 70 | 12 08 659 | 37.0 (2200) |
| B 200 FT | AW 71 | 12 08 684, 12 08 739 | 31.7-40.0 (1900-2400) |
| B 230 E | ZF 4HP 22 | 12 08 662 | 36.0 (2150) |
| B 230 F/G | AW 70 | 12 08 604, 12 08 652 | 33.0 (2000) |
| B 230 FB | AW 71 | 12 08 682 | 33.0 (2000) |
| | ZF 4HP 22 | 12 08 686 | 33.0 (2000) |
| B 230 FD | AW 71 | 12 08 768 | 40.0 (2400) |
| B 230 FT | AW 71 | 12 08 642, 1 208 751 | 33.0 - 45.0 (2000 - 2700) |
| B 230 GT | AW 71 | 12 08 643 | 33.0 - 45.0 (2000 - 2700) |
| B 234 F/G | AW 72 | 12 08 667, 12 08 666 | 40.8 (2450) |
| B 6304 F/G | AW 30-43 | 12 08 657, 12 08 744 | 35.0 (2100) |
| B 6304 F | AW 30-40 | 12 08 738, 12 08 745 | 45.0 (2700) |
| D 24 | ZF 4HP 22 | 12 08 594 | 36.0 (2150) |
| D 24 T | ZF 4HP 22 | 12 08 664 | 31.7-39.0 (1900-2350) |
| D 24 T, EGR | ZF 4HP 22 | 12 08 665 | 30.0-33.3 (1800-2000) |
| D 24 TIC | ZF 4HP 22 | 12 08 663 | 31.7-40.8 (1900-2450) |

| System and stall speed pressures | | | | | | | | | | | | |
|----------------------------------|------------|-----------------|-----------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| Engine (final drive) | Gearbox | , , | | | oressure, eed, MPa | | | | | | | |
| | | Gear position D | Gear position R | Gear position D | Gear position R | | | | | | | |
| B 200 E/F/G | AW 70 | 0.35 - 0.44 | 0.50 - 0.64 | 1.00 - 1.20 | 1.37 - 1.70 | | | | | | | |
| B 200 FT | AW 71 | 0.46 - 0.54 | 0.70 - 0.82 | 1.00 - 1.20 | 1.50 - 1.90 | | | | | | | |
| B 230 F/G | AW 70 | 0.46 - 0.54 | 0.70 - 0.82 | 1.00 - 1.20 | 1.50 - 1.90 | | | | | | | |
| B 230 FB/FT/GT | AW 71 | 0.46 - 0.54 | 0.70 - 0.82 | 1.00 - 1.20 | 1.50 - 1.90 | | | | | | | |
| B 230 E | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.83 - 1.03 | 1.51 - 1.72 | | | | | | | |
| B 230 FB | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.83 - 1.03 | 1.51 - 1.72 | | | | | | | |
| B 230 FD | AW 71 | 0.46 - 0.54 | 0.70 - 0.82 | 1.00 - 1.20 | 1.50 - 1.90 | | | | | | | |
| B 234 F/G | AW 72 | 0.44 - 0.52 | 0.64 - 0.76 | 1.12 - 1.32 | 1.55 - 1.95 | | | | | | | |
| B 6304 F/G | AW 30 - 43 | 0.40 | 0.64 | 1.21 | 1.59 | | | | | | | |
| | AW 30 - 40 | 0.40 | 0.64 | 1.21 | 1.59 | | | | | | | |
| D 24 | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.86 - 1.06 | 1.57 - 1.76 | | | | | | | |
| D 24 T (3.91:1) | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.81 - 1.01 | 1.48 - 1.67 | | | | | | | |
| D 24 T (3.73:1) | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.99 - 1.10 | 1.61 - 1.82 | | | | | | | |
| D 24 TIC | ZF 4HP 22 | 0.60 - 0.76 | 1.10 - 1.40 | 0.96 - 1.06 | 1.57 - 1.76 | | | | | | | |

| Govern | Governor pressure AW 70/71/72 Rear axle ratio | | | | | | | | | | | |
|----------------------|--|------|-------------|-----------|-------------|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| 3.73:1 3.91:1 4.10:1 | | | | | | | | | | | | |
| km/h | MPa | km/h | MPa | km/h | MPa | | | | | | | |
| 30 | 0.09 - 0.15 | 29 | 0.09 - 0.15 | 27 25* | 0.09 - 0.15 | | | | | | | |
| 55 | 0.16 - 0.22 | 53 | 0.16 - 0.22 | 50 45* | 0.16 - 0.22 | | | | | | | |
| 108 | 0.41 - 0.53 | 103 | 0.41 - 0.53 | 98 95* | 0.41 - 0.53 | | | | | | | |

^{*} AW 72 L

Gear changing speeds, km/h

AW 70/71/72, ZF 22 HP

| Engine | Туре | Final drive | | Gear lever / throttle opening (KD= kickdown) | | | | | | Lock up | | |
|-----------|-------|----------------|-------|---|-------|-------|-------|-------|----|---------|--|--|
| | | | 1 – 2 | 2 – 3 | 3 – 4 | 4 – 3 | 3 – 2 | 2 – 1 | in | out | | |
| | | | (KD) | (KD) | (75%) | (0%) | (KD) | (KD) | | | | |
| B 200 E | AW 70 | 3.91:1 | 67 | 113 | 114 | 40 | 107 | 55 | _ | _ | | |
| B 200 F/G | AW 70 | 4.10:1 | 57 | 101 | 110 | 37 | 94 | 46 | | _ | | |
| B 200 FT | AW 71 | 3.73:1 | 65 | 112 | 130 | 27 | 106 | 54 | 92 | 90 | | |
| B 230 E | ZF 22 | 3.73:1 | 62 | 107 | 128 | 43 | 98 | 52 | 85 | 83 | | |
| B 230 F/G | AW 70 | 4.10:1 | 57 | 99 | 110 | 36 | 93 | 45 | 86 | 84 | | |
| B 230 FB | AW 71 | 4.10:1 | 60 | 103 | 119 | 25 | 94 | 45 | 90 | 88 | | |
| B 230 FB | ZF 22 | 3.91:1 | 64 | 107 | 131 | 38 | 102 | 54 | 85 | 83 | | |
| B 230 FD | AW 71 | 3.73:1 | 57 | 99 | 110 | 36 | 93 | 45 | 77 | 73 | | |
| B 230 G | ZF 22 | 3.91:1 | 64 | 107 | 131 | 38 | 102 | 54 | 85 | 83 | | |
| 230 FT/GT | AW 71 | 3.73:1 | 64 | 116 | 135 | 29 | 108 | 48 | 98 | 96 | | |
| B 234 F/G | AW 72 | 4.10:1 | 56 | 102 | 116 | 33 | 93 | 41 | 86 | 84 | | |
| D 24 | ZF 22 | 3.91:1 | 46 | 83 | 98 | 34 | 79 | 39 | 76 | 74 | | |
| D 24 T | ZF 22 | 3.91:1 | 46 | 83 | 98 | 34 | 79 | 39 | 73 | 71 | | |
| | | 3.73:1 | 48 | 87 | 103 | 35 | 82 | 41 | 87 | 85 | | |
| D 24 TIC | ZF 22 | 3.73:1 | 48 | 87 | 103 | 35 | 82 | 41 | 87 | 85 | | |

Gear changing speeds, km/h

AW 30-43, AW 30-40

| Mode se | Mode selector in position ECONOMY (E). Gear lever in D. (Throttle opening in %) | | | | | | | | | | | | | |
|---------|---|---------------------|--------|--------|-----|--------|--------|--------|--------|--|--|--|--|--|
| Engine | Type | Final | 1–2 | 2–3 | 3–4 | 3–4 | 4–3 | 3–2 | 2–1 | | | | | |
| | | drive | 100+KD | 100+KD | 75 | 100+KD | 100+KD | 100+KD | 100+KD | | | | | |
| B 6304 | 30-43 | 3.73:1 | 58 | 114 | 148 | 180 | 175 | 105 | 45 | | | | | |
| B 6304 | | ⁾ 3.31:1 | 65 | 130 | 140 | 208 | 193 | 115 | 55 | | | | | |
| | 30-40 ² | 3.31:1 | 65 | 130 | 167 | 208 | 193 | 115 | 55 | | | | | |

| Mode se | Mode selector in position SPORT (S). Gear lever in D. (Throttle opening in %) | | | | | | | | | | | | |
|---------|---|---------------------|--------|--------|-----|--------|--------|--------|--------|--|--|--|--|
| Engine | Туре | Final | 1–2 | 2–3 | 3–4 | 3–4 | 4–3 | 3–2 | 2–1 | | | | |
| | | drive | 100+KD | 100+KD | 75 | 100+KD | 100+KD | 100+KD | 100+KD | | | | |
| B 6304 | 30-43 | 3.73:1 | 58 | 114 | 177 | 180 | 175 | 105 | 45 | | | | |
| B 6304 | | 3.31:1 | 66 | 130 | 206 | 208 | 193 | 120 | 55 | | | | |
| | 30-40 ² | ⁾ 3.31:1 | 66 | 130 | 206 | 208 | 193 | 120 | 55 | | | | |

| Mode se | Mode selector in position WINTER (W). Gear lever in D. (Throttle opening in %) | | | | | | | | | | | |
|---------|--|--------|--------|--------|-----|--------|--------|--------|--------|--|--|--|
| Engine | Туре | Final | 1–2* | 2–3* | 3–4 | 3–4 | 4–3 | 3–2* | 2–1* | | | |
| | | drive | 100+KD | 100+KD | 75 | 100+KD | 100+KD | 100+KD | 100+KD | | | |
| B 6304 | 30-43 | 3.73:1 | 50 | 90 | 89 | 170 | 160 | 70 | 20 | | | |

^{* 1}st and 2nd gear are used only with kickdown.

| Mechanic | cal lockin | g (LC | CK-I | JP), k | m/h. | Gear | leve | r in D | . (Thr | ottle | openi | ng in | %) | | |
|-----------------|----------------|--------------|------|--------|------|-------------|------|---------------|--------|-------------|--------|-------------|-----|------------|-----|
| | | ECONOMY (E) | | | | SPORT (S) | | | | | WINTER | | | | |
| Engine/ Type | Final drive | ive 100+KD | | | | 4 100+KD | | 2 100+KD | | 3 100+KD | | 4 100+KD | | 3 15–98 | |
| B 6304/ | | ın | out | ın | out | in | out | in | out | in | out | in | out | in | out |
| 30-43 | 3.73:1 | 85 | 77 | 130 | 123 | 180 | 175 | 85 | 77 | 130 | 123 | 180 | 175 | 50 | 40 |

 $^{^{1)}}$ – 1993: Control module 35 15 785 $^{2)}$ 1993 – : Control module 91 44 038

Components

AW 30-43, AW 30-40

| Control module | AW 30-43 | AW 30-40 | AW 30-40 | | |
|---------------------------------------|-----------------|---------------|-----------------|--|--|
| - Year model | 1991 – | - 1993 | 1993 – | | |
| - Volvo P/N | 35 15 646-2 | 35 15 784-1 | 91 44 038-8 | | |
| - Aisin Warner P/N | 30 40 301 004 | 30 40 301 013 | 30 40 301 013 W | | |
| Gear position sensor | | | | | |
| - Volvo P/N | 35 15 639-7 | | | | |
| - Aisin Warner P/N | | | | | |
| Mode selector | | | | | |
| - Volvo P/N | 35 15 640-5 | | | | |
| Solenoids: | | | | | |
| Gearchange solenoid 1 (S1) and 2 (S2) | | | | | |
| - Volvo P/N | 35 15 643-9 | | | | |
| - Aisin Warner P/N | 30 40 310 003 H | | | | |
| Lock-Up solenoid (SL) | | | | | |
| - Volvo P/N | 35 15 644-7 | | | | |
| - Aisin Warner P/N | 30 40 313 001 J | | | | |
| System pressure solenoid (STH) | | | | | |
| - Volvo P/N | 35 15 645 | | | | |
| - Aisin Warner P/N | 30 40 315 002 U | | | | |
| Resistance at +25°C (77°F)Ω | 1 | | | | |
| Engine speed (RPM) sensor | | | | | |
| - Volvo P/N | 35 15 641-3 | | | | |
| - Aisin Warner P/N | 30 40 330 005 T | | | | |
| Oil temperature sensor | | | | | |
| - Volvo P/N | | | | | |
| - Aisin Warner P/N | 30 40 352 005 X | | | | |
| Resistance at | | | | | |
| +160°C (320°F)Ω | | | | | |
| 0°C (32°F)Ω | | | | | |
| < 0°C (32°F)Ω | > 2067 | | | | |

Tightening torques

| Location | Dim | Nm | ft lb |
|--|----------|----------|-----------|
| AW 70/71/72, AW 30/43, AW 30/40 | | | |
| Torque converter-engine | M 10 | 48 | 35 |
| Drive plate-torque converter | M 8 | 30 | 21 |
| Transmission – oil filler pipe | M 8 | 24 | 18 |
| Lever for gear selector | M 8 | 16 | 12 |
| Nipple for coolant pipe | M 14 | 30 | 22 |
| ZF 22 HP | | | |
| Drive plate - torque converter | M 8 | 17 - 27 | 13 - 20 |
| Drive plate – torque converter | M 10 | 41 - 50 | 30 - 37 |
| Torque converter housing – engine | M 10 | 35 - 50 | 26 - 37 |
| Torque converter housing – engine | | 55 - 90 | 41 - 66 |
| Valve body ass transmission housing | M 6 | 7 - 9 | 5.2 - 6.6 |
| Lock plate – parking lock | | 9 - 11 | 6.6 - 8.1 |
| Rear housing – transmission housing | M 8 | 20 - 26 | 15 - 19 |
| Strainer – valve body ass | | 7 - 9 | 5.2 - 6.6 |
| Governor – counterweight – ratchet wheel | M 6 | 9 - 11 | 6.6 - 8.1 |
| Oil pump – connecting plate | M 6 | 9 - 11 | 6.6 - 8.1 |
| Companion flange – output shaft | M 20 | 85 - 115 | 63 - 85 |
| Cylinder B4 – transmission housing | M 6 | 9 - 11 | 6.6 - 8.1 |
| Plug – connecting plate | M 14 | 34 - 46 | 25 - 34 |
| Plug – connecting plate | M 20 | 43 - 57 | 32 - 42 |
| Torque converter housing | | | |
| - connecting plate, transmission housing | M 10 | 40 - 52 | 30 - 38 |
| Oil sump – transmission housing | M 6 | 5 - 7 | 4 - 5 |
| Plug, oil sump | M 10 | 13 - 17 | 10 - 13 |
| Oil filler pipe – oil sump | M 24x1.5 | 85 - 115 | 63 - 85 |

Group 45 Propeller shaft

| Tightening torque, companion flange | Nm | ft. lb |
|---|-----|--------|
| Steel universal joint, M 8, stage 1, diagonally | 30 | 22 |
| stage 2, diagonally angle-tighten | 60° | 60° |
| M 10 | 50 | 37 |
| Rubber universal joint | 80 | 59 |
| CV universal joint, stage 1, diagonally | 8 | 6 |
| stage 2, diagonally | 30 | 22 |

Group 46 Rear axle

| Final drive 740/940/965 (1031/1041) | | |
|---|--|--|
| Alternative ratios | 3.31:1, 3.54:1, | |
| | 3.73:1, 3.91:1, | |
| | 4.10:1 | |
| Axial runout, ring gear, maxmm | 0.08 | |
| Backlashmm | 0.10 - 0.16 | |
| Torque, pinion bearing, new bearingNm | | |
| used bearingNm | 1.5 - 2.5 | |
| Pre-tensioning of differential bearingmm | 0.05 - 0.08 | |
| Clearance, speedometer sensor (VSS) - induction gear mm | 0.5 - 1.2 | |
| Radial runout outer diameter, induction gear, maxmm | 0.3 | |
| Lubricant, see page 16. | | |
| | | |
| Tightening torques | Nm | ft. Ib |
| Tightening torques Companion flange, pinion with spacer washer | | ft. Ib 148 184 |
| | 200 - 250 | |
| Companion flange, pinion with spacer washer | 200 - 250 180 - 280 | 148 184 |
| Companion flange, pinion with spacer washer pinion with pre-tensioning sleeve* Note! pinion with used pre-tensioning sleeve*max Bearing capangle-tighten | 200 - 250 180 - 280 180 - 200 35 + 60° | 148 184 133 - 207 |
| Companion flange, pinion with spacer washer pinion with pre-tensioning sleeve* Note! pinion with used pre-tensioning sleeve*max | 200 - 250 180 - 280 180 - 200 35 + 60° | 148 184 133 - 207 133 - 148 |
| Companion flange, pinion with spacer washer pinion with pre-tensioning sleeve* Note! pinion with used pre-tensioning sleeve*max Bearing capangle-tighten | 200 - 250 180 - 280 180 - 200 35 + 60° 35 + 60° | 148 184 133 - 207 133 - 148 26 + 60° |
| Companion flange, pinion with spacer washer | 200 - 250 180 - 280 180 - 200 35 + 60° 35 + 60° 20 - 30 | 148 184 133 - 207 133 - 148 26 + 60° 26 + 60° |
| Companion flange, pinion with spacer washer | 200 - 250 180 - 280 180 - 200 35 + 60° 35 + 60° 20 - 30 | 148 184 133 - 207 133 - 148 26 + 60° 26 + 60° 15 - 22 |
| Companion flange, pinion with spacer washer | 200 - 250 180 - 280 180 - 200 35 + 60° 35 + 60° 20 - 30 | 148 184 133 - 207 133 - 148 26 + 60° 26 + 60° 15 - 22 30 |

| Final drive Multi link, 960 (1035 /1045) | |
|--|-----------------|
| Alternative ratios | 3.54:1, 3.73:1, |
| | 3.91:1 |
| Axial runout, ring gear, maxmm | 0.08 |
| Backlashmm | 0.10 - 0.16 |
| Torque, pinion bearing, new bearingNm | 1.2 - 2.8 |
| used bearingNm | 1.0 - 2.5 |
| Pre-tensioning of differential bearing, | |
| 1 + 1 "notches" on each side | |
| Clearance, speedometer sensor (VSS) - induction gear \mbox{mm} | 0.35 - 0.75 |
| Radial runout diameter, induction gear, maxmm Lubricant, see page 16. | 0.2 |

| Tightening torques | Nm | ft. Ib |
|---|-----------|-----------|
| Companion flange, pinion (nut)* | 180 - 280 | 133 - 207 |
| Note! pinion with used pre-tensioning sleeve* max | 180 - 200 | 133 - 148 |
| Ring gear - differential housing (bolt)**.angle-tighten | 35 + 60° | 26 + 60° |
| Inductive sensor - rear hatch (bolt) | 8 - 12 | 6 - 9 |
| Inspection hatch - final drive (bolt) | 20 - 30 | 15 - 22 |
| Side bracket - final drive (bolt) | 40 - 56 | 30 - 41 |
| Lock washer - adjustment nut (bolt) | 40 - 56 | 30 - 41 |
| Weight - final drive (bolt) | 20 - 28 | 15 - 21 |
| Oil drainage plug | 27 - 40 | 20 - 30 |
| Oil filler plug | 27 - 40 | 20 - 30 |
| Driveshaft (bolt)angle-tighten | 30 + 90° | 22 + 90° |
| Wheel nut, driveshaft - driveshaftangle-tighten | 140 + 60° | 103 + 60° |
| Wheel nuts | 85 | 63 |

^{*} Check that torque is not exceeded.

^{**} The bolts may only be used once.