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Annual Service
Including Lubrication & Oil Change
Checklist

Annual Service Including Lubrication and Oil Change Checklist

The following information provides the Annual Service Checklist for Volvo vehicles.

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Note: This is the original version of this document. This checklist can be updated without notice.

Annual Service Including Lubrication and Oil Change

| | | |
|-------|--------------------------------|--------------|
| Date: | Model: | Reg. No.: |
| Time: | Vehicle Identification Number: | Engine: |
| | Dealer Code: | Transmission |
| | Name: | Rear Axle: |

X = Corrected without comment ✓ Correction not needed

N = Not relevant or applicable

| | Lubrication, Oil and Fluid Level Check | |
|----|--|--|
| 1 | Chassis Lubrication | |
| 2 | Cab Lubrication | |
| 3 | Change Engine Oil and Filter | |
| 4 | Check Oil Level in Manual Transmission | |
| 5 | Check Oil Level in Automatic Transmission | |
| 6 | Check Oil Level in PTO, Power Take-Off | |
| 7 | Check Oil Level in Retarder | |
| 8 | Check Oil Level in Transfer Case | |
| 9 | Check Oil Level in Front Drive Axle | |
| 10 | Check Oil Level in Rear Drive Axle | |
| 11 | Check Oil Level in Hydraulic Bogie Lift | |
| 12 | Check Oil Level in Power Steering | |
| 13 | Check Oil Level in Hubs for Oil Lubricated Wheel Bearings | |
| 14 | Check Oil Level in Cab Tilt Pump | |
| 15 | Check Fluid Level in Clutch Fluid Reservoir | |
| 16 | Check Coolant Freeze Protection and Coolant Level | |
| 17 | Check Fluid Levels in Windshield Wiper and Headlamp Wiper Reservoirs | |
| 18 | Check Air Dryer | |

| | Checks in Cab | |
|----|--|--|
| 21 | Check Fault Codes in the Engine Electronic Control Unit | |
| 22 | Check Fault Codes in the ABS, Anti-Lock Brakes | |
| 23 | Check Fault Codes in Transmission | |
| 24 | Function Check of Parking Heater | |
| 25 | Check Engine Control in Cab | |
| 26 | Check Retarder Control | |
| 27 | Start Engine and Check of Starter Element and Preheater | |
| 28 | Check Pressure Regulator's Disconnection and Connection Pressure | |
| 29 | Check Air Compressor's Function and Condition | |
| 30 | Check Sealing on Main Brake Circuit (Service) | |
| 31 | Check Parking Brake and Blocking Valve | |
| 32 | Check Gearshift and Clutch Pedal | |
| 33 | Check Bogie Lift | |
| 34 | Check Brake Pedal and Foot Brake Valve | |
| 35 | Check Hinges, Doorstops, Locks and Sealing Strips | |

| | Checks in Cab | |
|----|--|--|
| 19 | Check Warning and Control Lamps | |
| 20 | Check Fault Codes in the Vehicle Electronic Control Unit | |

| | External Checks | |
|----|---|--|
| 36 | Function Check of External Lamps | |
| 37 | Check Rear View Mirrors and Reflectors | |
| 38 | Function Check of Wipers and Washers | |
| 39 | Check Headlamps | |
| 40 | Check Air Filter for Ventilation System | |
| 41 | Check Refrigerant Reservoir, Condenser, Pipes and Hoses | |
| 42 | Check Air Intake and Air Deflector | |
| 43 | Check Hood Attachment and Locking Devices | |
| 44 | Check Batteries - Dirt, Leakage, Attachment, Specific Gravity of Battery Acid, Fluid Level, Connections and Battery Box | |
| 45 | Check Fuel Tank, Hoses, Pipes, Venting and Mounting | |
| 46 | Check Filter for Fuel Tank Ventilation | |
| 47 | Draining of Fuel Tank (Dirt, Water) | |
| 48 | Check Fuel Water Separator for the Fuel System, Draining of Condensation | |
| 49 | Check Tire Wear | |

| | Engine Compartment | |
|----|---|--|
| 50 | Check Alternator Mounting | |
| 51 | Check Electrical Connections and Cables for Alternator, Starter Motor and Preheater | |
| 52 | Check Drive Belts | |
| 53 | Check Air Compressor | |
| 54 | Check Engine Mounting | |
| 55 | Check Radiator Mounting | |
| 56 | Check Radiator Fan, Bearing Tolerance, Bolt Unions, Fan Cover and Fan Ring with Rubber Seal | |
| 57 | Pressure Testing of Cooling System | |
| 58 | Check Radiator, Hoses, Pipes and Air Flow | |
| 59 | Check Intercooler, Hoses, Pipes and Air Flow | |
| 60 | Check Tightness of Engine and PTO | |
| 61 | Check Fuel Lines on Engine | |
| 62 | Check Exhaust Leakage | |
| 63 | Check A/C Compressor Mounting | |
| 64 | Check A/C Pipes and Hoses | |
| 65 | Check Air Pipe between Air Intake and Turbo | |
| 66 | Check Turbocharger and Regulator | |

| | Engine Compartment | |
|----|--|--|
| 67 | Check Pump Coupling for Injection Pump (Electronic Engines Not Applicable) | |
| 68 | Check Tightness on Servo Pump, Oil Lines and Steering Gear | |
| 69 | Check Sound Baffles for Engine | |

| | Front Suspension, Steering System Check | |
|----|--|--|
| 70 | Check Steering Linkage | |
| 71 | Check Front Shock Absorbers | |
| 72 | Check Steering Knuckle Bearing | |
| 73 | Check Front Wheel Bearings | |
| 74 | Check Front Wheels | |

| | Checks Beneath the Vehicle | |
|----|---|--|
| 75 | Check Tightness, Bearing Clearance and Ventilation on the Front Driving Axle | |
| 76 | Check Clearance in Clutch's Mechanical Function | |
| 77 | Check Clutch's Hydraulic and Pneumatic Control System | |
| 78 | Check Clutch Wear | |
| 79 | Check Transmission's Pneumatic and Mechanical Control System | |
| 80 | Check Seals for Speedometer Sensor and Joint Coupling | |
| 81 | Check Tightness on Transmission, Transfer Case and PTO Including check of lines | |
| 82 | Check Tightness on Cooler for Transmission | |
| 83 | Check Ventilation for Transmission, Transfer Case and PTO | |
| 84 | Check Tightness on Retarder and check lines | |
| 85 | Check Sound Baffle for Gearbox | |
| 86 | Check Transfer Case's Mounting | |
| 87 | Check Drive Belt for Power Steering | |
| 88 | Check Drive Shaft Universal Joints, Sliding Joints and Support Bearings | |
| 89 | Check Tightness on Rear Drive Axles and Hub Reduction Gear | |
| 90 | Check Bearing Clearance for Pinion and Input Shaft to Rear Drive Axles | |
| 91 | Check Rear Drive Axle Ventilation | |
| 92 | Check Exhaust Pipe and Silencer | |
| 93 | Check Rear Springs and U Bolts | |
| 94 | Check Anti-Roll Bar | |

| | Checks Beneath the Vehicle | |
|-----|---|--|
| 95 | Check Rear Shock Absorbers | |
| 96 | Check Mounting for Front and Rear Axle | |
| 97 | Check Bogie Lift or Lift Axle | |
| 98 | Check Rear Suspension Level Sensors and Leveling Valves | |
| 99 | Check Height Regulation for Air Suspension | |
| 100 | Check Chassis Frame and Crossmembers | |
| 101 | Check Central Lubrication System | |
| 102 | Check Compressed Air Lines and Hoses | |
| 103 | Check Rear Wheel Bearings | |
| 104 | Check Rear Wheels | |
| 105 | Check Differential Locks | |
| 106 | Check Brake Linings | |

| | Checks Beneath the Vehicle | |
|-----|---|--|
| 107 | Check Brake Cylinders, Levers, and Forks | |
| 108 | Check Brake Disc and Brake Calipers | |
| 109 | Check Stroke Length on Slack Adjusters, Brake Levers, and Brake Drums | |
| 110 | Check Load Sensing Valve | |
| 111 | Check Brake Chambers and Mounting Brackets | |

| | Test Driving | |
|-----|---------------------------|--|
| 112 | Check After Start | |
| 113 | Check During Test Driving | |
| 114 | Check After Test Driving | |
| 115 | Finish | |

| | | | | | | | | | | |
|--|-------|--|--|--|--|--|--|--|--|--|
| Note: The values seen from cab and backwards are noted in the squares below | | | | | | | | | | |
| Brake Linings - measured thickness in mm (in.) | Right | | | | | | | | | |
| | Left | | | | | | | | | |
| Brake Levers, Slack Adjusters, and Brake Drums - measured stroke in mm (in.) | Right | | | | | | | | | |
| | Left | | | | | | | | | |
| Notes on wear pattern on tires | Right | | | | | | | | | |
| | Left | | | | | | | | | |

| |
|-----------------|
| Comments |
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