

Labour time allowance chart for warranty repair work





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1. General information

Procedures, which are not included in this labour time allowance catalogue, must be justified and prior authorisation given by SAF-HOLLAND Service department before any repair work is carried out.

Service Report

In the event of damage, always first complete the SAF-HOLLAND Service Report: available over the Internet:

www.safholland.com

SAF-HOLLAND Service Report must be completed fully and accurately (in particular the figures from the axle type plate, i.e. the serial number is absolutely necessary):

Type plate

| Si | | | | FABRIK KEILBERG CH / G E R M A N Y |
|---|------------|----------|-------|--|
| TYP SK | RB 9019 WI | | | |
| IdentNo. /ProdNo. | 147 83 35 | 7 49 | | 000 0 0 0 000 |
| zul. Last kg perm, cap. charge adm. | STAT. 900 | TECH. | 1100 | v max. km/h max. speed vitesse maxi. |
| TDB-No. | 0678 | Grundtyp | SBW 1 | 937-115 |

| Version SKRB9022WI | Serial No. 229 04 3 229 |
|----------------------|------------------------------|
| Type SBW2243-11S | Ident No. 247 96 38 7 48 |
| Test Report 36110702 | Perm axle cap. stat. 9000 kg |
| | V max. 105 km/h |

Fig. 2: From mid-2004



Fig. 3: Type plate absent

Fig. 1: Until mid-2004

All labour time allowances are continuously updated according to technical demands. The updates are available under:

www.safholland.com

Axle types

The labour time allowance packages refer to following axle types:

Disc brake:

SK RB 9019 / 9022 INTEGRAL, BI9-19K, BI9-19K, BIL9-19K, SI9-19K, ZI9-19K, ZI11-19K, BI9-19W, BI9-19W, BIL9-19W, SI9-19W, ZI9-19W, BI9-22K01, BA9-22K01, BIL9-22K01, SI9-22K01, SI1-22K01, ZI1-22K01, BI9-22W, BIL9-22W, SI9-22W, SI11-22W, ZI9-22W, ZI11-22W

Drum brake:

SK RS 9030 / 9037 / 9042, SK RZ 9030 / 9037 / 9042, Z9-3020, ZL9-3020, Z11-3020, ZL11-3020, S9-3718, SL9-3718, Z9-3720, ZL9-3720, ZL11-3720, ZL11-3720, S9-4218, SL9-4218, S11-4220, SL11-4220, SL11-4220, Z9-4218, ZL9-4218, ZL9-4218, ZL1-4220, ZL11-4220

2. Warranty Claim Administration time (handling costs)

| Material | Replacement of | Minutes |
|----------|---|---------|
| S10001 | Administration time allowance for handling the warranty claim processing and the claim acceptance for SAF-HOLLAND-Service-Partner | 45 |
| S10002 | Administration time allowance for handling the warranty claim processing and the claim acceptance without inspection of claimed warranty parts for SAF-HOLLAND Subsidiary / National agent | 15 |
| S10003 | Administration time allowance for handling the warranty claim processing and the claim acceptance with inspection of claimed warranty parts for SAF-HOLLAND Subsidiary / National agent | 30 |
| S10010 | Additional costs (must be separately quoted in the invoice) | at cost |
| S10011 | Labour time for road side assistance | at cost |
| S10012 | Travelling kilometers for road side assistance | at cost |
| S11101 | Vehicle preparation time, once-only per vehicle including Vehicle brought into work place Vehicle secured in accordance with standard safety working practices If necessary axle jacked up | 20 |

3. Cross components labour time

| S11102Check braking effect on the brake test bench15S203011 Wheel remove and refit10S303021 Twin wheels remove and refit15S2030410 wheel bolts remove, replace and refit. The hub unit is dismounted20S203051 ABS Sensor remove, replace, refit and adjust15S203071 Complete axle remove and refit210- Fit brake chambers, shock absorbers, air bags and wheels- Adjust running clearance of pads- Adjust running clearance of pads- Fit and adjust ABS-SensorS203081 Axle beam remove and refit280- Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels280- Set axle alignment- Adjust running clearance of pads- Fit and adjust ABS-Sensor30S203091 Air bag remove, replace and refit30S203101 Shock absorber remove, replace and refit20S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20315Axle alignment check60 | Material | Replacement of | Minutes |
|---|----------|--|---------|
| \$303021 Twin wheels remove and refit15\$2030410 wheel bolts remove, replace and refit. The hub unit is dismounted20\$203051 ABS Sensor remove, replace, refit and adjust15\$203071 Complete axle remove and refit - Fit brake chambers, shock absorbers, air bags and wheels - Adjust running clearance of pads - Fit and adjust ABS-Sensor210\$203081 Axle beam remove and refit - Adjust running clearance of pads - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280\$203091 Air bag remove, replace and refit - Adjust running clearance of pads - Fit and adjust ABS-Sensor30\$203101 Shock absorber remove, replace and refit - Adjust running clearance of pads - Fit and adjust ABS-Sensor30\$203111 Lift air bag remove, replace and refit - Source and refit20\$203121 Lift arm assembly including lift air bag remove, replace and refit bearing assembly remove and refit)60\$20313HD-Bush or 3-D-bearing bush remove, replace and refit - Sci asta a lignment (MODUL suspension) remove, replace and refit - Sci asta - Sci asta adjust remove, replace and refit - Sci asta - Sci | S11102 | Check braking effect on the brake test bench | 15 |
| S2030410 wheel bolts remove, replace and refit. The hub unit is dismounted20S203051 ABS Sensor remove, replace, refit and adjust15S203071 Complete axle remove and refit - Fit brake chambers, shock absorbers, air bags and wheels - Adjust running clearance of pads - Fit and adjust ABS-Sensor210S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203091 Air bag remove, replace and refit30S203101 Shock absorber remove, replace and refit20S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit bearing assembly remove and refit60S20313HD-Bush or 3-D-bearing bush remove, replace and refit 8080S20315Axle alignment check60 | S20301 | 1 Wheel remove and refit | 10 |
| S203051 ABS Sensor remove, replace, refit and adjust15S203071 Complete axle remove and refit - Fit brake chambers, shock absorbers, air bags and wheels - Adjust axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor210S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203091 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203091 Air bag remove, replace and refit30S203101 Shock absorber remove, replace and refit15S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit S2031460S20315Axle alignment check60 | S30302 | 1 Twin wheels remove and refit | 15 |
| S203071 Complete axle remove and refit - Fit brake chambers, shock absorbers, air bags and wheels - Adjust axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor210S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203091 Air bag remove, replace and refit 1530S203101 Shock absorber remove, replace and refit 2015S203111 Lift air bag remove, replace and refit bearing assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit 8060S20315Axle alignment check60 | S20304 | 10 wheel bolts remove, replace and refit. The hub unit is dismounted | 20 |
| - Fit brake chambers, shock absorbers, air bags and wheels - Adjust axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203081 Axle beam remove and refit - Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels - Set axle alignment - Adjust running clearance of pads - Fit and adjust ABS-Sensor280S203091 Axle beam remove and refit - Adjust running clearance of pads - Fit and adjust ABS-Sensor30S203091 Air bag remove, replace and refit30S203101 Shock absorber remove, replace and refit15S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20305 | 1 ABS Sensor remove, replace, refit and adjust | 15 |
| Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels Set axle alignment Adjust running clearance of pads Fit and adjust ABS-Sensor S20309 1 Air bag remove, replace and refit S20310 1 Shock absorber remove, replace and refit S20311 1 Lift air bag remove, replace and refit S20312 1 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit) S20313 HD-Bush or 3-D-bearing bush remove, replace and refit S20314 Trailing arm (MODUL suspension) remove, replace and refit S20315 Axle alignment check | S20307 | Fit brake chambers, shock absorbers, air bags and wheels Adjust axle alignment Adjust running clearance of pads | 210 |
| S203101 Shock absorber remove, replace and refit15S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20308 | Fit hub unit, brake discs, brake callipers, brake chambers, shock absorbers, air bags and wheels Set axle alignment Adjust running clearance of pads | 280 |
| S203111 Lift air bag remove, replace and refit20S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20309 | 1 Air bag remove, replace and refit | 30 |
| S203121 Lift arm assembly including lift air bag remove, replace and refit (incl. spring bearing assembly remove and refit)30S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20310 | 1 Shock absorber remove, replace and refit | 15 |
| bearing assembly remove and refit)S20313HD-Bush or 3-D-bearing bush remove, replace and refit60S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20311 | 1 Lift air bag remove, replace and refit | 20 |
| S20314Trailing arm (MODUL suspension) remove, replace and refit80S20315Axle alignment check60 | S20312 | | 30 |
| S20315 Axle alignment check 60 | S20313 | HD-Bush or 3-D-bearing bush remove, replace and refit | 60 |
| | S20314 | Trailing arm (MODUL suspension) remove, replace and refit | 80 |
| S20316 Each further axle alignment check 30 | S20315 | Axle alignment check | 60 |
| | S20316 | Each further axle alignment check | 30 |



| Material | Replacement of | Minutes |
|----------|---|---------|
| S20317 | Self-steering knuckle remove, replace and refit. The axle and brake are dismounted. Steering pivot BIL / Steering screw BILL remove and refit Bush remove, replace and refit Self-steering knuckle clean, check and grease | 120 |
| S20318 | Stabilising damper for self-steering axle remove and refit | 10 |
| S20319 | Locking cylinder for self-steering axle remove and refit | 10 |
| S20320 | EBS / ABS memory print out diagnostics report | 10 |
| S20321 | Replacement of the Tire Pilot control box | 30 |
| S30201 | Replacement per the Stator/ Rotor | 20 |

4. Labour time brakes

4.1 Disc brake

| Material | Replacement of | Minutes |
|----------|--|---------|
| S20201 | side Pads – remove, replace and refit Release parking brake Remove and refit wheel Release brake calliper on adjuster screw Remove pads/Refit new pads Check brake calliper for free sliding movement Check rubber boots Adjust running clearance of pads | 20 |
| S20202 | Brake calliper – remove, replace and refit Release parking brake Remove and refit wheel Release brake calliper on adjuster screw Remove and refit pads Remove and refit brake chamber Remove and refit new brake calliper Adjust running clearance of pads | 45 |
| S20203 | 1 Hub Unit or 1 brake disc and 1 brake calliper – remove, replace and refit Release parking brake Remove and refit wheel Release brake calliper on adjuster screw Remove and refit pads Remove and refit brake chamber Remove and refit brake calliper Remove and refit hub cap Remove and refit axle nut Remove and refit hub unit including brake disc Disassemble and assemble hub unit and brake disc Clean axle stub and apply fresh fitting paste Adjust running clearance of pads | 70 |
| S20303 | 1 Parking brake or standard brake chamber remove, replace and refit | 10 |
| S20306 | Brake calliper overhaul. Brake calliper is removed from axle. Remove, replace and refit thrust pieces, guide pins, bushes, seals and rubber boots | 80 |



4.2 Drum brake

| Material | Replacement of | Minutes |
|----------|--|---------|
| S40206 | 1 Hub and 1 brake drum remove and refit, with mounted wheel, inspect the brake on one side of the wheel Release parking brake Release brake shoes by resetting the slack adjuster Remove and refit hub cap Remove and refit axle nut Remove and refit hub with brake drum and wheel Clean axle stub and apply fresh fitting paste Adjust the hub bearing running clearance as necessary Adjust running clearance of brake linings | 20 |
| S40207 | 1 Hub, 1 brake drum, brake shoes and brake linings - remove, replace and refit Wheel / twin wheels remove and refit Release parking brake Release brake shoes by resetting the slack adjuster Remove and refit hub cap Remove and refit axle nut Remove and refit brake nut Remove and refit brake shoes Remove, replace and refit brake linings Clean brake shoes / lining mating surfaces and cover with corrosion inhibitor Check and replace camshaft bearings as necessary (for additional labour time allowance see below) Apply copper paste to the brake drum from hub or machine the brake drum radius (for additional labour time allowance see below) Replace shoe return spring and shoe retaining clamp Machine new brake lining surface to brake drum diameter Check, re-grease and replace hub bearing as necessary (for additional labour time allowance see below) Replace shoe return spring and shoe retaining clamp Machine new brake lining surface to brake drum diameter Check, re-grease and replace hub bearing as necessary (for additional labour time allowance see below) Clean and apply fitting paste to axle stub Adjust the hub bearing clearance as necessary Adjust ABS-Sensor | 70 |
| S40322 | 1 Camshaft inclusive bushing remove, replace and refit The brake drums and shoes are dismounted Remove and refit slack adjuster | 20 |
| S40323 | 1 Hub or 1 set hub bearings remove, replace and refit. The hub is dismounted. | 20 |
| S40324 | 1 Brake drum radius machined | 10 |
| S40325 | 1 Parking brake / standard brake chamber remove, replace and refit | 15 |
| S40326 | 1 Slack adjuster remove, replace and refit | 10 |

5. Fifth wheel and slider

| Material | Replacement of | Minutes |
|----------|--|---------|
| S81000 | Top plate replacement models F | 15 |
| S81001 | Bracket replacement, stationary (ISO) | 80 |
| S81002 | Bracket replacement, weightsaver mount | 80 |
| S81003 | Top plate rebuilt:F17E,FW17EK | 75 |
| S81004 | Top plate rebuilt: FW3510, FW3110 | 105 |
| S81005 | Top plate rebuilt: FW0E70 | 150 |

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| Material | Replacement of | Minutes |
|----------|---|---------|
| S81006 | Lock replacement: F17E,FW17EK | 30 |
| S81007 | Lock replacement:FW3510, FW3110 | 45 |
| S81008 | Lock replacement:FW0E70 | 75 |
| S81009 | Lube plate replacement | 20 |
| S81010 | Air cylinder replacement: | 15 |
| S81011 | Top Plate - Replacement-models SK | 15 |
| S81012 | Bracket replacement:SK-S 36.20,compl.fam. | 80 |
| S81013 | Top plate rebuilt: Model SK-HD 38.36 | 75 |
| S81014 | Lock replacement:SK-S 36.20,compl.Fam. | 30 |
| S81015 | Lock replacement:SK-HD 38.36 | 30 |
| S87002 | Sensor system complete replacement | 90 |
| S84000 | replacement Typ SK-V 36 | 60 |
| S84001 | Bracket replacement,slide ILS,SK-V 20 | 60 |

6. Landing gear

| Material | Replacement of | Minutes |
|----------|------------------------------------|---------|
| S82000 | Landing gear set replacement | 120 |
| S82001 | Replacement of 1 landing leg | 60 |
| S82002 | Replacement of 1 landing gear shoe | 20 |

7. King pin

| Material | Replacement of | Minutes |
|----------|---------------------|---------|
| S83000 | Kingpin replacement | 20 |

8. Ball race

| Material | | Minuten |
|----------|--|---------|
| S85000 | Ball race replacement | 240 |
| | - Air and electrical cables remove and refit | |
| | - Ball race remove and refit | |



9. TRAKr

| Material | Replacement of | Minutes |
|----------|---|---------|
| S30303 | 1 axle shaft dismount and mount | 10 |
| S30304 | 1 half axle beam change, axle dismount | 40 |
| S30305 | 1 half axle beam change, axle installed | 135 |
| S30306 | 1 Gearbox unit change, axle installed | 240 |
| S30307 | 1 Gearbox unit change, axle dismount | 100 |
| S30308 | Gearbox oil changing | 15 |
| S30309 | 1 spline shaft checking | 15 |
| S30310 | 1 E- maschine renew | 30 |
| S30311 | 1 water coolant system checking | 10 |
| S30312 | 1 Radiator changing | 15 |
| S30313 | 1 Water pump renew | 10 |
| S30314 | Coolant fluid changing | 15 |

10. EBS, ABS and braking & air suspension valves

10.1 General

| Material | Replacement of | Minutes |
|----------|--|---------|
| S30315 | General preparation/set up/admin works | 30 |

10.2 ABS systems

| Material | Replacement of | Minutes |
|----------|--|---------|
| S30202 | ABS MODAL - Electronic Control Unit (ECU) | 60 |
| S30204 | ABS MODAL - Modulator valve with 2 delivery ports | 45 |
| S30205 | ABS MODAL - Modulator valve cable | 30 |
| S30301 | ABS MODAL - Sensor extension cable | 30 |
| S40302 | ABS MODAL/Modular - Modulator valve with 3 or 6 delivery ports | 60 |
| S40304 | ABS MODAL/Modular - ISO 7638 power cable | 60 |
| S40305 | ABS MODULAR - Electronic Control Unit (ECU) | 30 |
| S40307 | ABS MODULAR - Loom - 2S/1M-2M version | 80 |
| S40309 | ABS MODULAR - Loom - 4S/2M version | 90 |
| S40310 | ABS MODAL/Modular, EBS - ABS/EBS sensors (Drum brake) | 60 |
| S40311 | ABS MODAL/Modular, EBS - ABS/EBS sensors (Disc brake) | 30 |

10.3 EBS systems & Auxiliairies

| Material | Replacement of | Minutes |
|----------|---|---------|
| S30316 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Diagnosis with Diag+ / Diag++ | 30 |
| S30317 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Update or configuration EB+ ECU & EOLT with Diag+ / Diag++ | 30 |
| | | |
| S30319 | EBS SYSTEM - EB+ Gen 3 - Double check valve | 30 |
| S30320 | EBS SYSTEM - EB+ Gen 3 - Quick release valve | 20 |
| S40317 | EBS SYSTEM - EB+ Gen 3 - Info Point | 45 |
| S40312 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Modulator and ECU assembly | 90 |
| S30321 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Pressure switch/sensor | 15 |

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| Material | Replacement of | Minutes |
|------------------|---|---------|
| S40313 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Pressure switch/sensor cable | 30 |
| S40313 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Sensor extension cable | 30 |
| S40314 S40315 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Power cable ISO 7638 | 60 |
| | | 75 |
| S40316 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Lining Wear Sensor - LWS | |
| S40318 | EBS SYSTEM - EB+ Gen 3 & 4.0 - Electronic height sensor | 30 |
| | | |
| S40319 | EB+ Soft Docking system - Electronic Control Unit (ECU) | 20 |
| S40320 | EB+ Soft Docking system - Ultrasonic sensor | 30 |
| S40321 | EB+ Soft Docking system - Reversing alarm (Beeper) | 30 |
| S83001 | EB+ Soft Docking system - LED outline marker light | 30 |
| S86000 | EB+ Soft Docking system - Sensor and beeper cable | 60 |
| S86001 | EB+ Soft Docking system - Lighting and brake cable | 60 |
| | | |
| S87000 | TPMS/TPMS 2.0 system - Electronic control Unit - RCU | 20 |
| S87001 | TPMS/TPMS 2.0 system - Wheel sensor (during tyre replacement) | 15 |
| S99001 | TPMS/TPMS 2.0 system - Wheel sensor (with rim and tyre disassembling) | 45 |
| S30318 | TPMS/TPMS 2.0 system - TPMS re-setting (after RCU replacement) | 30 |
| | | |
| S99002 | EB+ Info Centre | 20 |
| S99003 | EB+ Info Centre cable | 30 |

10.4 Braking valves

| Material | Replacement of | Minutes |
|----------|--|---------|
| S88014 | In Line Filter | 20 |
| S88015 | Single Check Valve | 15 |
| S88016 | Pressure Protection valve | 30 |
| S88017 | 3/2 Way valve | 30 |
| S88018 | Double Check Valve | 30 |
| S88019 | Coupling Head & Protect-O | 15 |
| S88020 | Shut-Off Cock | 15 |
| S88021 | Quick release Valve c/w double check valve | 45 |
| S88022 | REV (Relay Emergency Valve) / Combined REV | 45 |
| S88023 | Variable Load valve | 30 |
| S88024 | Shunt or Park valve | 30 |
| S88025 | Control Valve | 30 |
| S88026 | Park & Shunt Valve Combined | 45 |
| S88027 | Pilot valve, Pneumatic | 30 |
| S88028 | Trailer Control Module - TrCM / TrCM+ | 60 |
| S88029 | Trailer Emergency Module - TEM | 45 |
| S88030 | Simple Relay Valve | 45 |
| S88031 | Quick Release Valve | 30 |
| S88032 | Regulating Valve | 30 |
| S40301 | Pressure Limiting Valve | 30 |
| S88033 | 3/2-Way Solenoid Valve | 30 |
| S88034 | Pressure Switch | 15 |
| S88035 | 3/2-Way Valve | 30 |
| S88036 | Mechanical Load Sensing Valve | 60 |

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| Material | Replacement of | Minutes |
|----------|------------------------------|---------|
| S88037 | Pneumatic Load Sensing Valve | 75 |
| S88005 | Air Tank | 45 |

10.5 Air suspension valves

| Material | Replacement of | Minutes |
|----------|--|---------|
| S88007 | Raise & lower valve - Colas/Colas+ | 45 |
| S88008 | Integrated Lift-Axle System - ILAS ® I /ILAS ® III | 45 |
| S88009 | Integreted Lift-Axle System ILAS ® E & ILAS ®E+ | 30 |
| S88010 | ILAS E repair kit (solenoid) | 15 |
| S88011 | Levelling Valve | 30 |
| S88012 | Levelling valve with Height Limitation | 60 |
| S88013 | Levelling valve with 2nd ride height | 45 |

10.6 Air treatment products

| Material | Replacement of | Minutes |
|----------|------------------|---------|
| S88002 | CONSEP | 30 |
| S88003 | Single air dryer | 45 |



