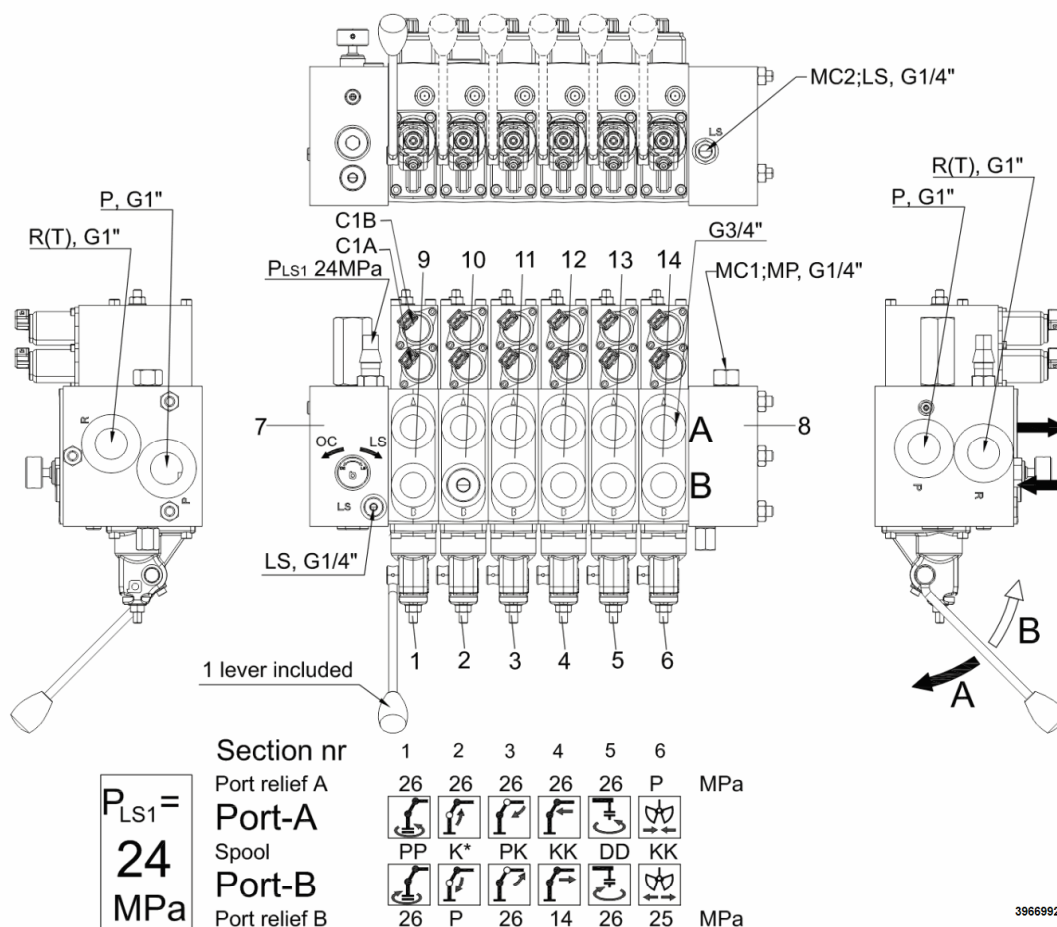


Model:96S

3966992

Control valve, Bucher-E / LVS12 / EHC / VP / FP / SA 1st boom / Cabin

3966992 - Control valve, Bucher-E / LVS12 / EHC / VP / FP / SA 1st boom / Cabin



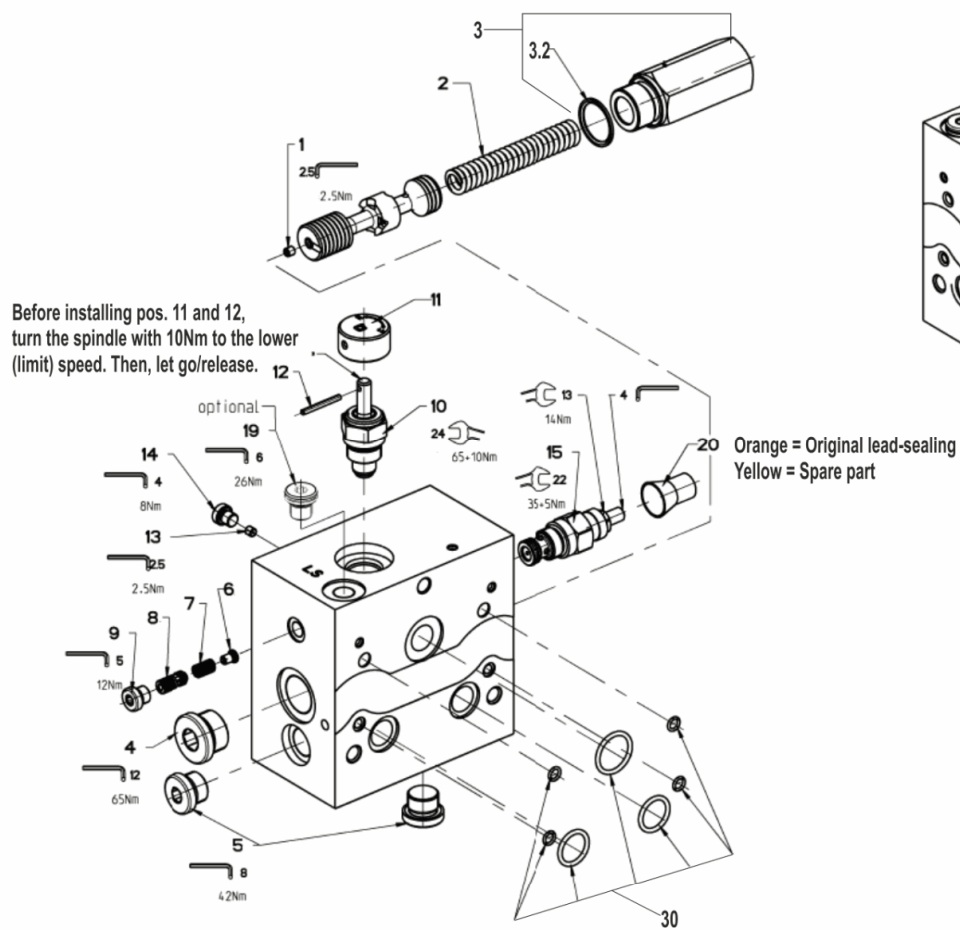
3966992 - Control valve, Bucher-E / LVS12 / EHC / VP / FP / SA 1st boom / Cabin

Pos	Part nr	Description EN	Description DE	Quantity
0	396-6992	CONTROL VALVE, BUCHER LVS12		1
1	396-9762	SPOOL		1
2	396-9771	SPOOL		1
3	396-9789	SPOOL		1
4	396-9797	SPOOL		1
5	396-9801	SPOOL		1
6	396-9797	SPOOL		1
7	396-9584	VALVE INLET		1
8	396-9576	VALVE OUTLET		1
9	396-9592	VALVE SECTION		1
10	396-9606	VALVE SECTION		1
11	396-9614	VALVE SECTION		1
12	396-9622	VALVE SECTION		1
13	396-9631	VALVE SECTION		1
14	396-9649	VALVE SECTION		1

Model:96S

3969584 Inlet valve

3969584 - Inlet valve



396-9584

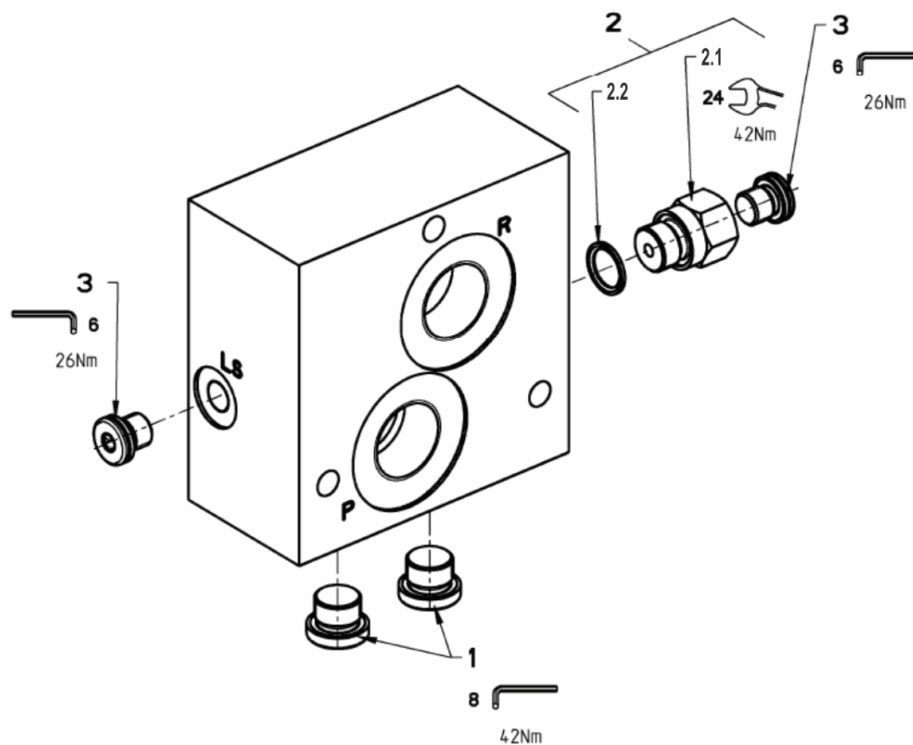
3969584 - Inlet valve

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9584	VALVE INLET		1
1	737-0033	ORIFICE		1
2	737-0021	COMPRESSION SPRING		1
3	396-9819	SCREW PLUG		1
4	737-0011	SEALING PLUG		1
5	737-0009	SEALING PLUG		2
6	737-0028	SPRING RETAINER		1
7	737-0029	COMPRESSION SPRING		1
8	737-0030	SPOOL		1
9	737-0007	SEALING PLUG		1
10	396-9835	SETTING SCREW		1
11	396-9991	KNOB		1
12	737-0027	SELF LOCKING PIN		1
13	737-0033	ORIFICE		1
14	737-0006	SEALING PLUG		1
15	737-0024	PRESSURE RELIEF VALVE		1
19	737-0008	SEALING PLUG		1
20	396-7832	SAFETY CAP YELLOW		1
30	396-9908	SEAL KIT		1
3.2	737-0014	SEALING PLUG		1

Model:96S

3969576
Outlet valve

3969576 - Outlet valve



396-9576

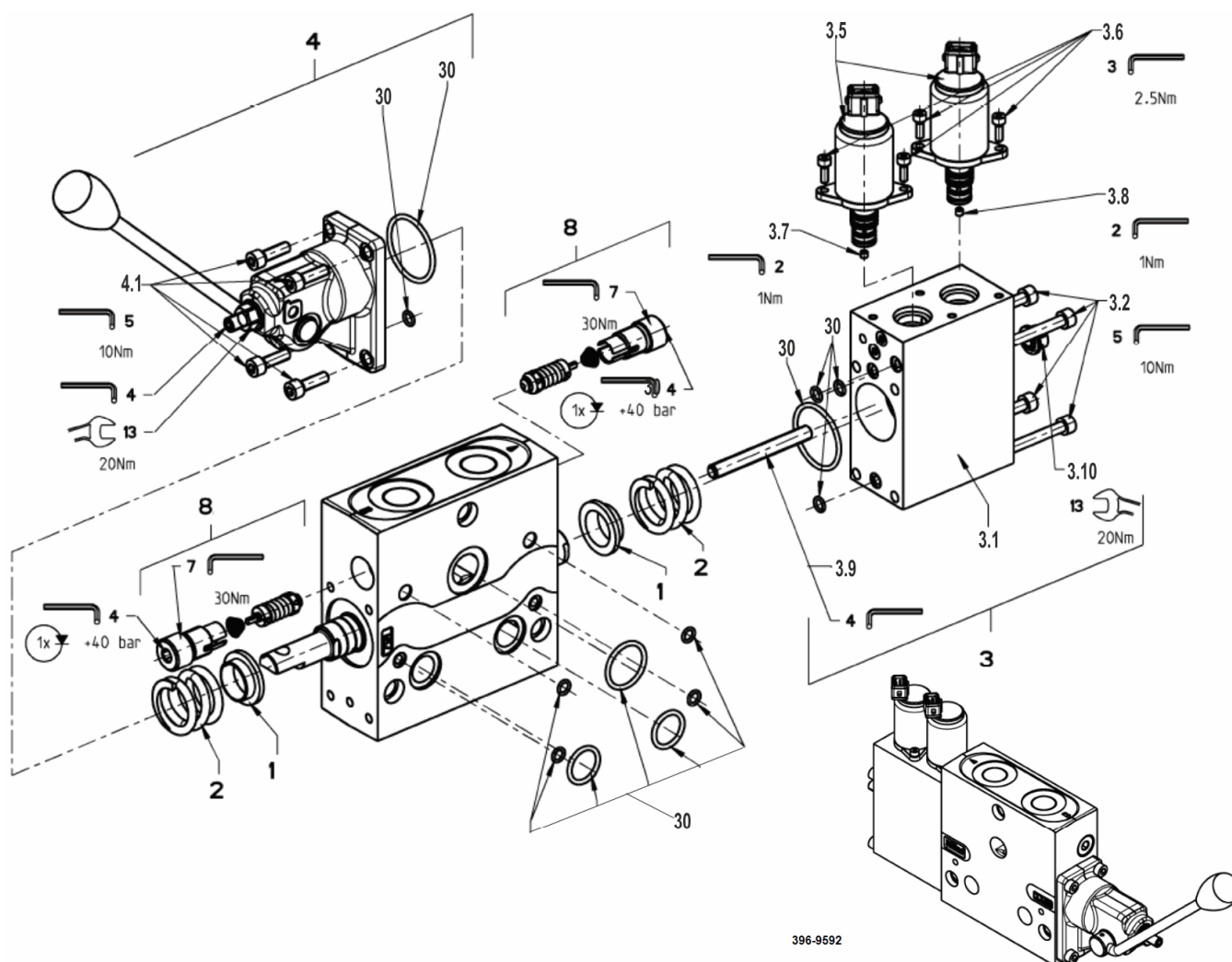
3969576 - Outlet valve

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9576	VALVE OUTLET		1
1	737-0009	SEALING PLUG		2
2	396-9843	REDUCING SCREW FITTING		1
3	737-0008	SEALING PLUG		2
2.1	737-0035	THREADED PIPE FITTING		1
2.2	737-0013	SEALING PLUG		1

Model:96S

3969592 Valve section

3969592 - Valve section



396-9592

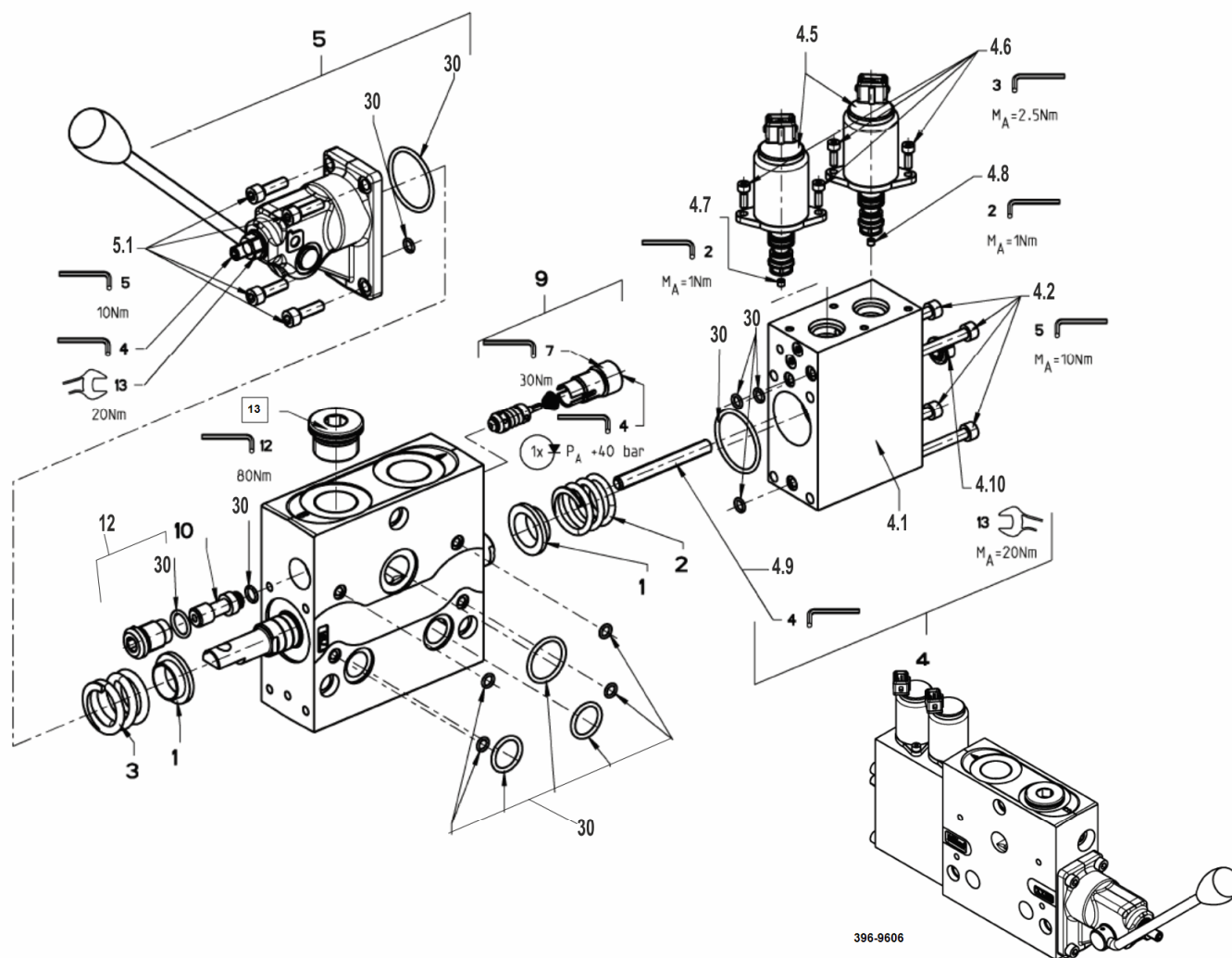
3969592 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9592	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		2
3	396-9924	PILOT HEAD		1
4	396-9894	HAND OPERATION		1
8	396-9827	PRESSURE RELIEF VALVE		2
30	396-9916	SEAL KIT		1
3.1	396-9932	HOUSING		1
3.2	737-0026	SCREW		4
3.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
3.6	396-9941	SCREW		4
3.7	737-0018	ORIFICE		1
3.8	737-0017	ORIFICE		1
3.9	737-0003	GRUB SCREW		1
4.1	396-9959	SCREW		1
3.10	737-0045	SEAL LOCK NUT		1

Model:96S

3969606 Valve section

3969606 - Valve section



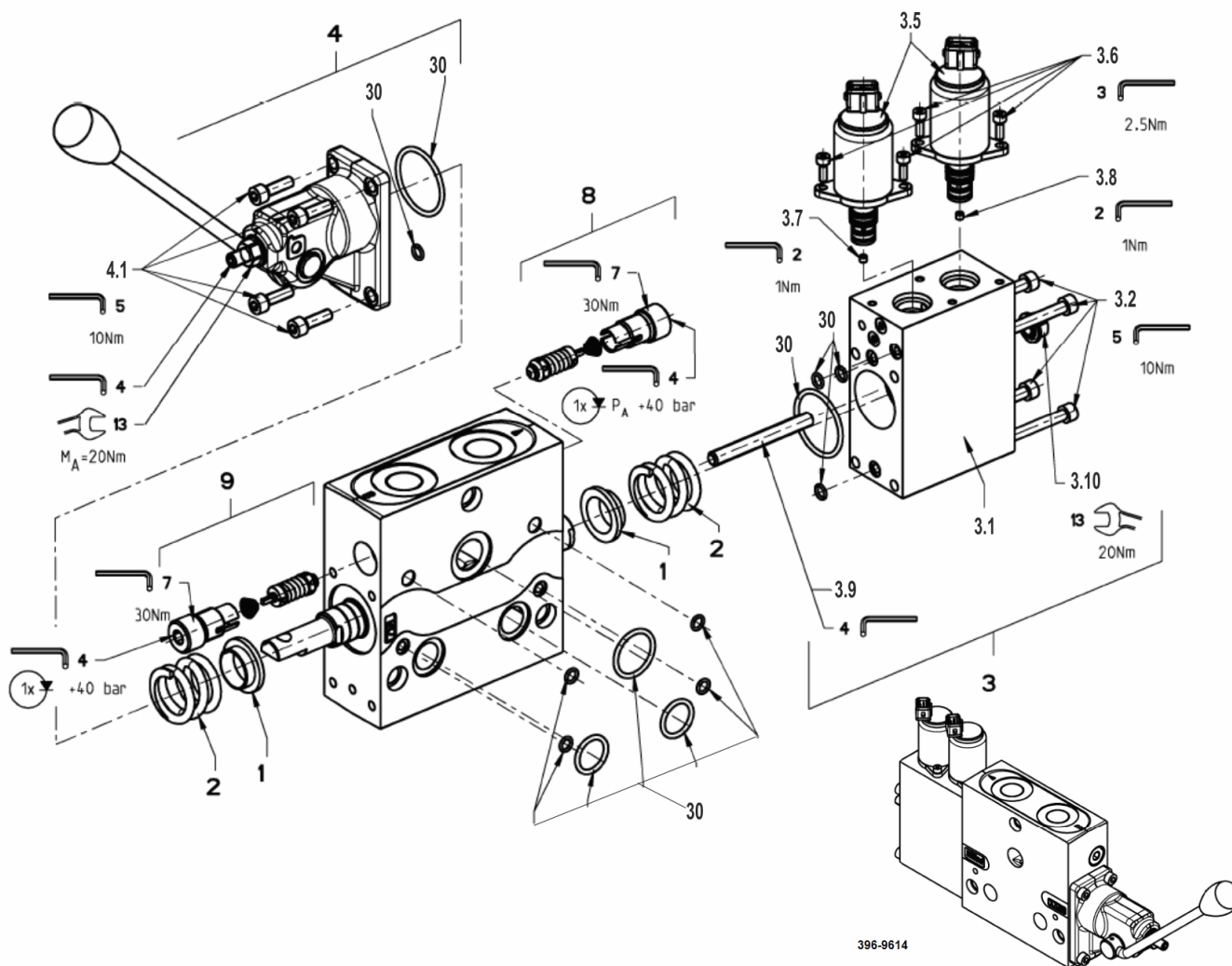
3969606 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9606	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		1
3	396-9924	PILOT HEAD		1
4	396-9924	PILOT HEAD		1
5	396-9894	HAND OPERATION		1
9	396-9827	PRESSURE RELIEF VALVE		1
10	737-0015	LOCKING BOLT		1
12	396-9878	LOCKING SCREW CPL		1
13	737-0012	SEALING PLUG		1
30	396-9916	SEAL KIT		1
4.1	396-9932	HOUSING		1
4.2	737-0026	SCREW		4
4.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
4.6	396-9941	SCREW		4
4.7	737-0018	ORIFICE		1
4.8	737-0017	ORIFICE		1
4.9	737-0003	GRUB SCREW		1
5.1	396-9959	SCREW		4
4.10	737-0045	SEAL LOCK NUT		1

Model:96S

3969614 Valve section

3969614 - Valve section



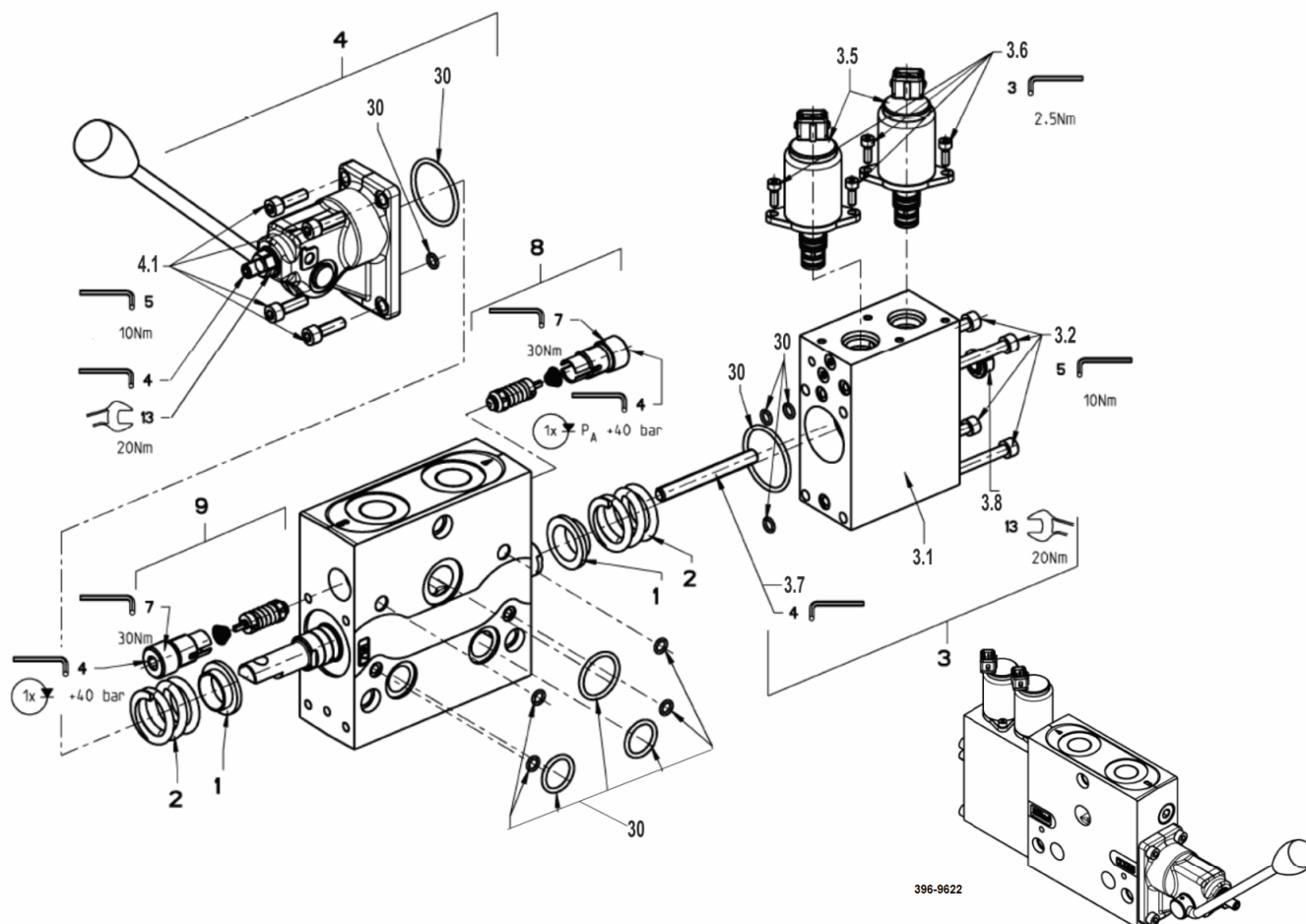
3969614 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9614	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		2
3	396-9924	PILOT HEAD		1
4	396-9894	HAND OPERATION		1
8	396-9827	PRESSURE RELIEF VALVE		1
9	396-9827	PRESSURE RELIEF VALVE		1
30	396-9916	SEAL KIT		1
3.1	396-9932	HOUSING		1
3.2	737-0026	SCREW		4
3.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
3.6	396-9941	SCREW		4
3.7	737-0018	ORIFICE		1
3.8	737-0017	ORIFICE		1
3.9	737-0003	GRUB SCREW		1
4.1	396-9959	SCREW		4
3.10	737-0045	SEAL LOCK NUT		1

Model:96S

3969622 Valve section

3969622 - Valve section



3969622 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9622	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		2
3	396-9924	PILOT HEAD		1
4	396-9894	HAND OPERATION		1
8	396-9827	PRESSURE RELIEF VALVE		1
9	737-0416	PRESSURE RELIEF VALVE 70-230 BAR		1
30	396-9916	SEAL KIT		1
3.1	396-9932	HOUSING		1
3.2	737-0026	SCREW		4
3.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
3.6	396-9941	SCREW		4
3.7	737-0003	GRUB SCREW		1
3.8	737-0045	SEAL LOCK NUT		1
4.1	396-9959	SCREW		4

This exploded view diagram illustrates the assembly of a hydraulic cylinder. The components are numbered as follows:

- 1**: Piston rod
- 2**: Piston
- 3**: End cap
- 3.1**: End cap (internal view)
- 3.2**: End cap (external view)
- 3.5**: End cap (internal view)
- 3.6**: End cap (external view)
- 3.7**: End cap (internal view)
- 3.8**: End cap (external view)
- 4**: Piston rod seal
- 4.1**: Piston rod seal (internal view)
- 5**: Piston rod seal (external view)
- 6**: Piston rod seal (internal view)
- 7**: Piston rod seal (external view)
- 8**: Piston rod seal (internal view)
- 9**: Piston rod seal (external view)
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- 89**: Piston rod seal (external view)
- 90**: Piston rod seal (internal view)
- 91**: Piston rod seal (external view)
- 92**: Piston rod seal (internal view)
- 93**: Piston rod seal (external view)
- 94**: Piston rod seal (internal view)
- 95**: Piston rod seal (external view)
- 96**: Piston rod seal (internal view)
- 97**: Piston rod seal (external view)
- 98**: Piston rod seal (internal view)
- 99**: Piston rod seal (external view)
- 100**: Piston rod seal (internal view)

Torque specifications:

- 10Nm
- 20Nm
- 30Nm
- 2.5Nm

Pressure specification:

- 1x P_A +40 bar

The diagram shows the assembly of the cylinder body, end caps, piston rod, and seals. The final assembly is shown at the bottom right.

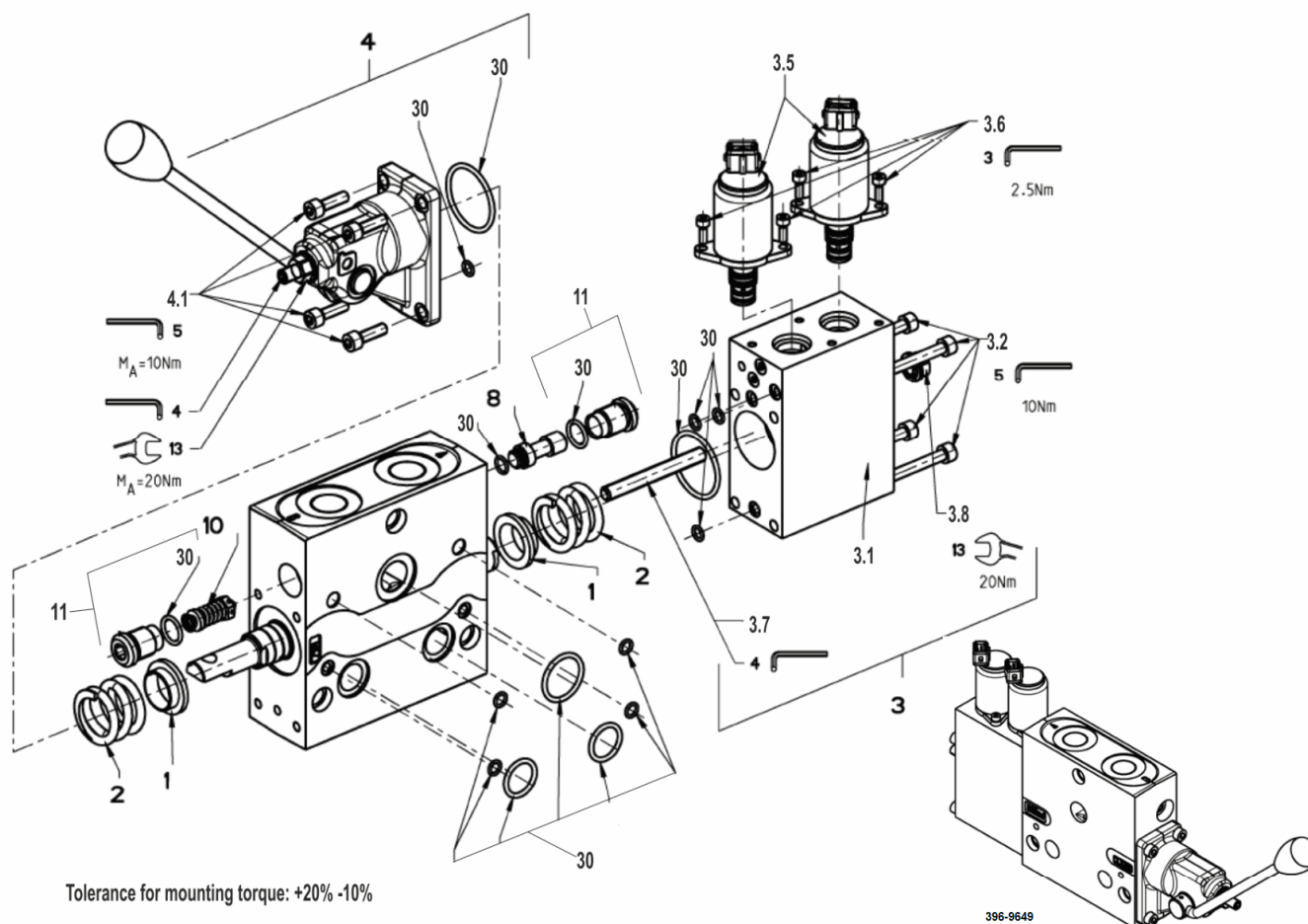
3969631 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9631	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		2
3	396-9924	PILOT HEAD		1
4	396-9894	HAND OPERATION		1
8	396-9827	PRESSURE RELIEF VALVE		1
9	737-0416	PRESSURE RELIEF VALVE 70-230 BAR		1
30	396-9916	SEAL KIT		1
3.1	396-9932	HOUSING		1
3.2	737-0026	SCREW		4
3.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
3.6	396-9941	SCREW		4
3.7	737-0003	GRUB SCREW		1
3.8	737-0045	SEAL LOCK NUT		1
4.1	396-9959	SCREW		4

Model:96S

3969649 Valve section

3969649 - Valve section



3969649 - Valve section

Pos	Part nr	Description EN	Description DE	Quantity
0	396-9649	VALVE SECTION		1
1	737-0032	SPRING RETAINER		2
2	737-0031	COMPRESSION SPRING		2
3	396-9924	PILOT HEAD		1
4	396-9894	HAND OPERATION		1
8	737-0015	LOCKING BOLT		1
10	737-0005	PRESSURE RELIEF VALVE		1
11	396-9878	LOCKING SCREW CPL		2
30	396-9916	SEAL KIT		1
3.1	396-9932	HOUSING		1
3.2	737-0026	SCREW		4
3.5	737-0036	PROP. PRESSURE REDUCING VALVE		2
3.6	396-9941	SCREW		4
3.7	737-0003	GRUB SCREW		1
3.8	737-0045	SEAL LOCK NUT		1
4.1	396-9959	SCREW		4