A-dec 500 Delivery Systems

Service Reference

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Contact Information and Other Resources

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Regulatory Information

For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.

Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or 1.503.538.7478 worldwide, or visit www.a-dec.com.

Product Models and Versions Covered in This Document

A-dec uses product versions to indicate significant changes to a product model. Modifications identified by a change to the product version include, but are not limited to, significant changes to features and options, and product compatibility.

Models	Versions	Description
532, 533, 541	B	Delivery System
461	A	Support Center
545, 551	A	Assistant's Instrumentation

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Customer Service Information

For questions not addressed in this document, contact A-dec Customer Service using contact information for your region.

A-dec Headquarters

2601 Crestview Drive
Newberg, Oregon 97132
United States
Tel: 1.800.547.1883 within USA/CAN
Tel: +1.503.538.7478 outside USA/CAN
Fax: 1.503.538.0276
www.a-dec.com

A-dec Australia

Unit 8
5-9 Ricketty Street
Mascot, NSW 2020
Australia
Tel: 1.800.225.010 within AUS
Tel: +61.(0).2.8332.4000 outside AUS

A-dec China

A-dec (Hangzhou) Dental Equipment Co., Ltd.
528 Shunfeng Road
Qianjiang Economic Development Zone
Hangzhou 311100, Zheijiang, China
Tel: 400.600.5434 within China
Tel: +86.571.89026088 outside China

A-dec United Kingdom

Austin House, 11 Liberty Way
Nuneaton, Warwickshire CV11 6RZ
England
Tel: 0800.ADEC.UK (2332.85) within UK
Tel: +44.(0).24.7635.0901 outside UK

A-dec Service Documents

Service Reference documents contain illustrated parts breakdown content and are companions to Service Guides, which contain information for product service, maintenance, and troubleshooting including circuit board components and flow diagrams. To access service documents, Service documents are available in the Resource Center at www.a-dec.com.

Genuine A-dec Parts Catalog

The *Genuine A-dec Service Parts Catalog*, p/n 85.5000.00, provides part number and ordering information for A-dec service parts. This catalog details parts for current products and products which are no longer manufactured but are still supported. Refer to this catalog for additional details on parts found in the service document.

Electronic Documentation

The latest versions of A-dec service documents, product installation guides, and instructions for use are available as electronic documents available in the Resource Center at www.a-dec.com.

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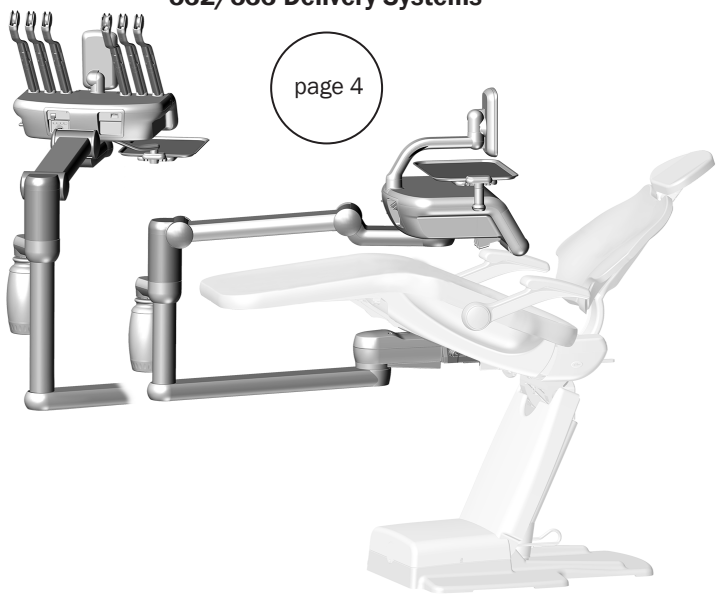

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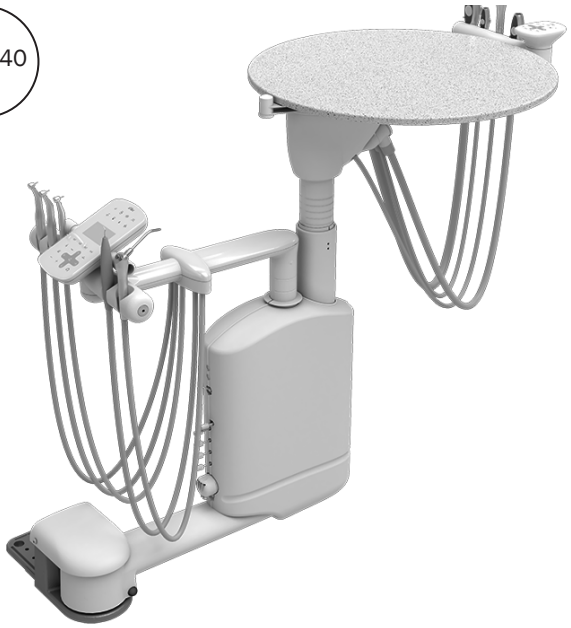

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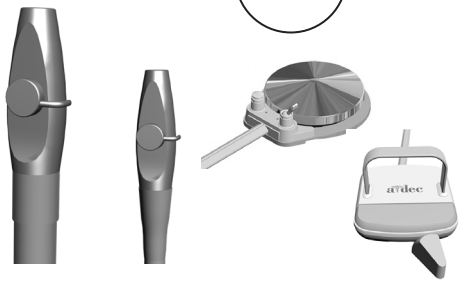

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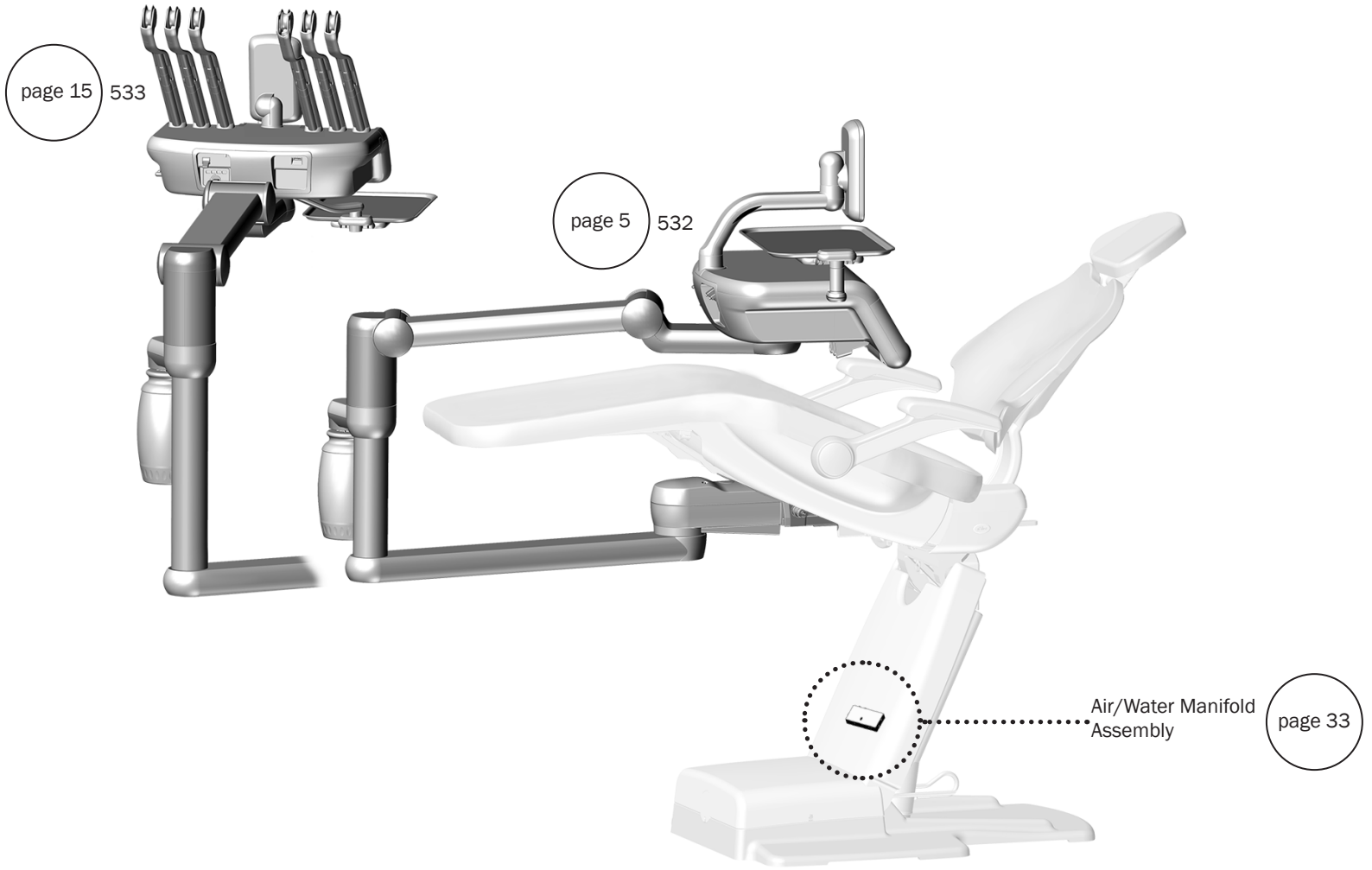
532/533 Delivery Systems



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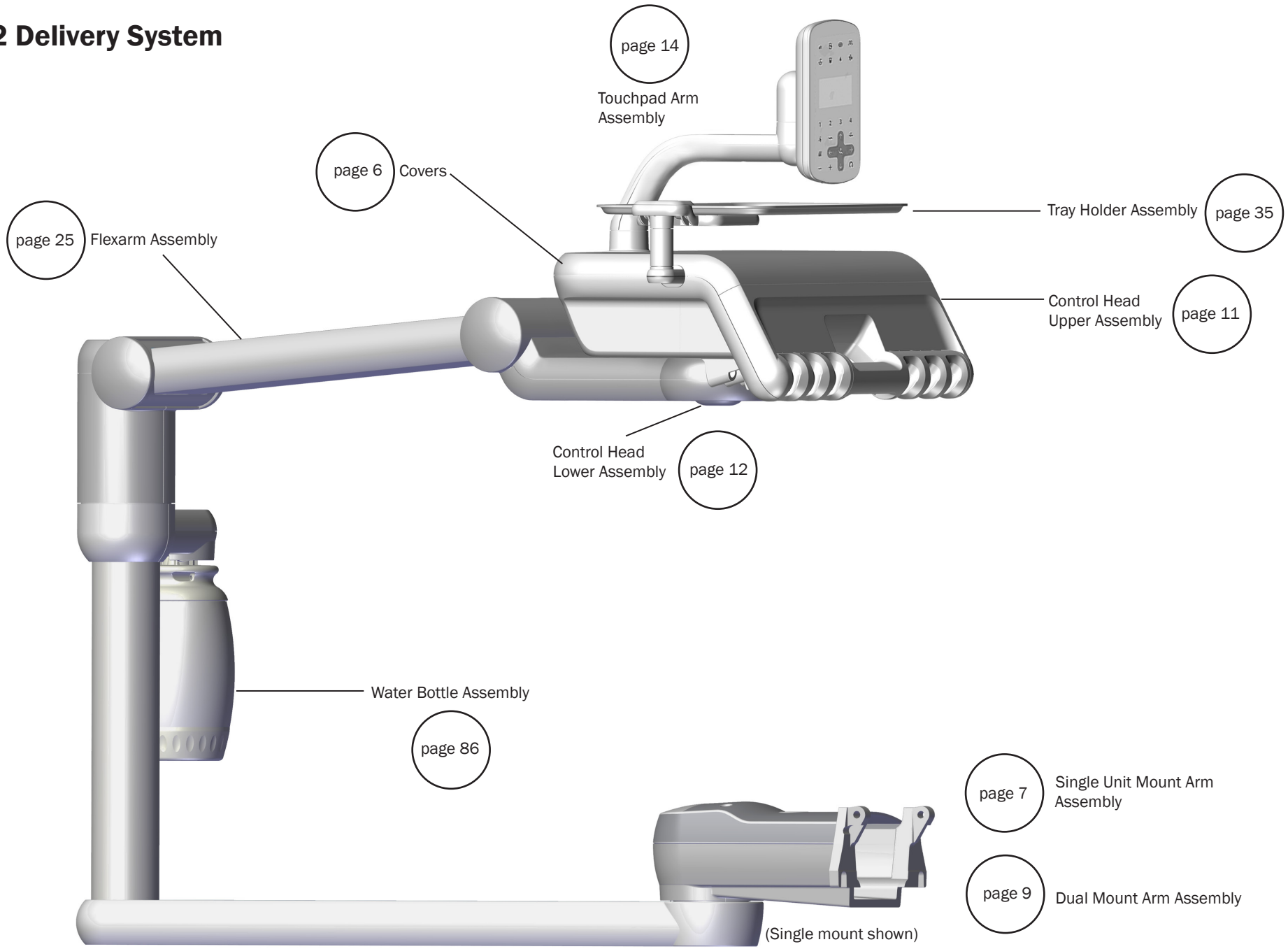
532 Delivery System



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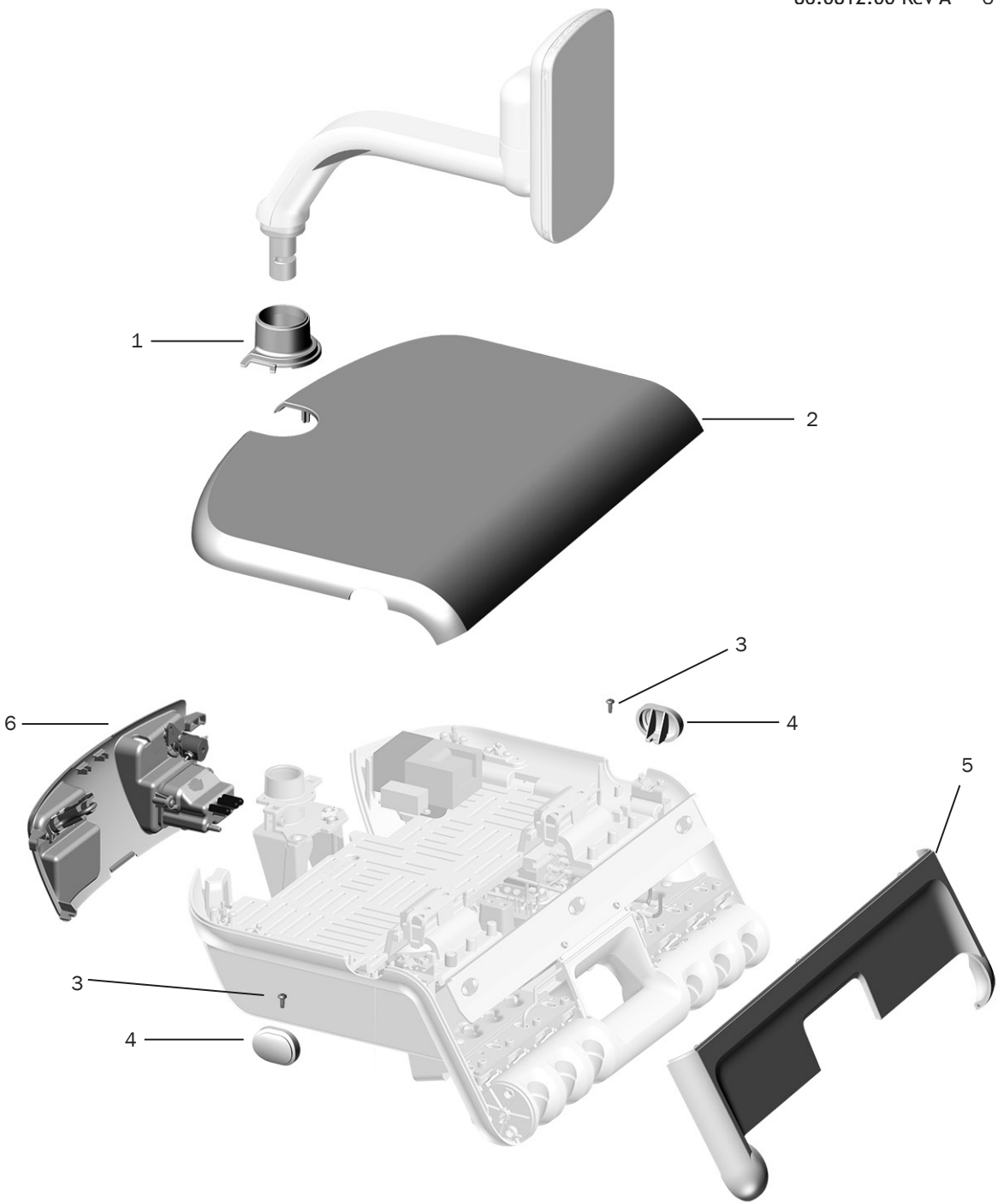
Control Head Covers 532

Item	Part Number	Description
1	77.1526.00	Pivot hub cover
2	77.1529.01	Traditional top cover
3	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
4	77.1636.00	Hole plug
5	77.1525.00	Front cover
6	77.1541.00	Patch panel



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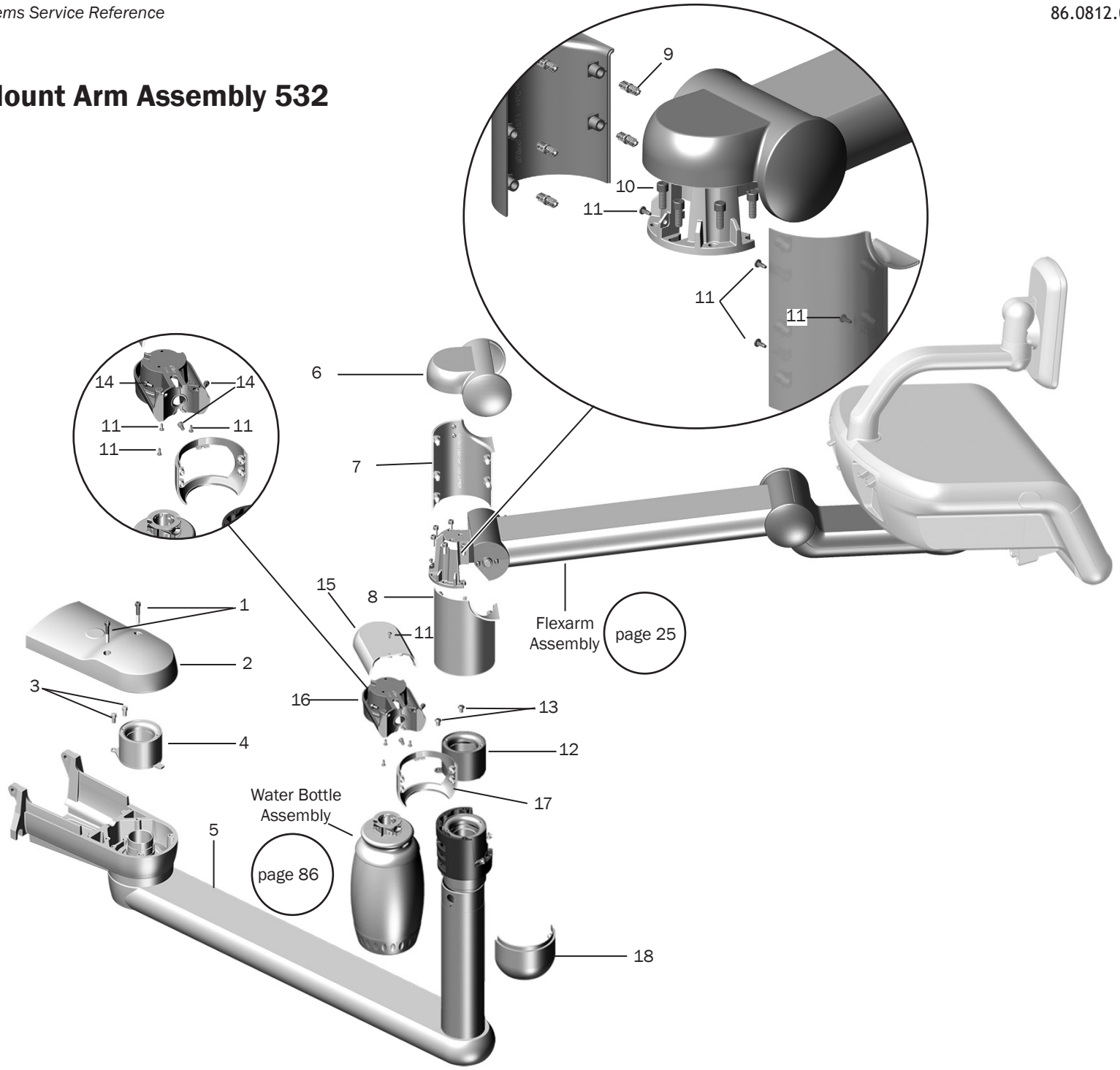
Single Unit Mount Arm Assembly 532



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Single Unit Mount Arm Assembly 532

Item	Part Number	Description
1	002.082.03	Socket head screw, 1/4-20 x 1-1/2 stainless steel
2	77.1450.00	Unit mount cover
3	002.010.00	Socket head patch screw, 1/4-20 x 3/8 stainless steel
4	77.1438.00	Friction clutch
5	77.1770.00	523B Unit mount module
6	77.1570.00	Cap
7	77.1571.00	Rear knuckle cover, right
8	77.1572.00	Rear knuckle cover, left
9	025.126.00	Xmas tree connector, .250 DIA x 1.000 long
10	005.020.00	Button head socket screw, 1/4-20 x 5/8
11	001.300.00	Pan head Phillips plastic screw, 6-19 x 3/8
12	77.1780.00	Flexarm clutch assembly
13	005.143.00	Button head socket patch screw,1/4-20 x 3/8 stainless steel
14	001.016.01	Socket head patch screw, 10-32 x 3/8 stainless steel
15	77.1647.00	Top cover
16	77.1801.00	Water bottle mount
17	77.1646.00	Front cover
18	77.1645.00	Rear cover

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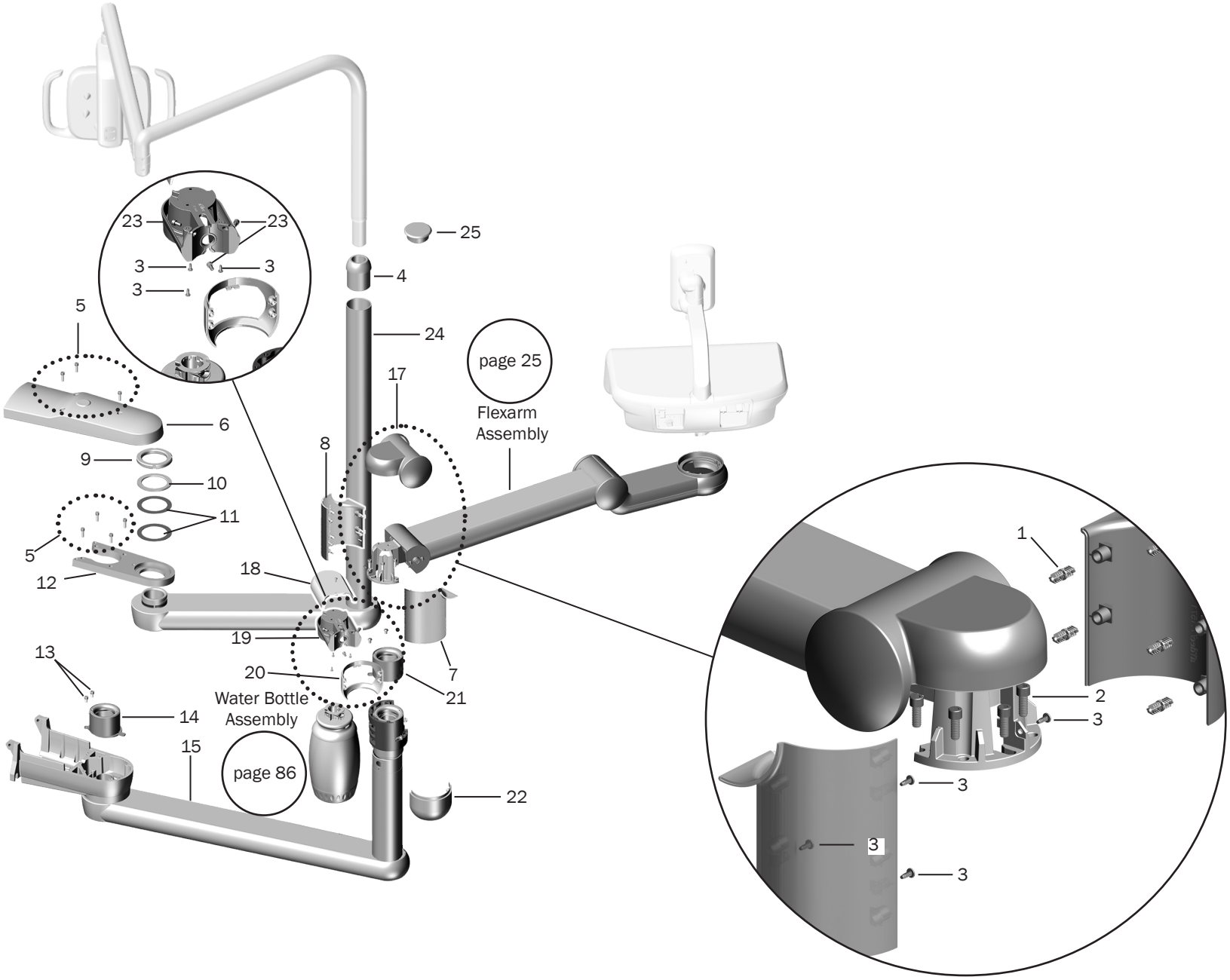
Dual Unit Mount Arm Assembly 532



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Dual Unit Mount Arm Assembly 532

Item	Part Number	Description
1	025.126.00	Xmas tree connector, .250 DIA x 1.000 long
2	005.020.00	Screw, button head socket, 1/4 - 20 x 5/8
3	001.300.00	Pan head Phillips plastic screw, 6-19 x 3/8
4	28.2067.00	Bushing
5	002.080.01	Socket head patch screw, 1/4-20 x 3/4 stainless steel
6	77.1451.00	Cover
7	77.1572.00	Rear knuckle cover, left
8	77.1571.00	Rear knuckle cover, right
9	61.2051.00	Spanner locknut, 2.50-16 aluminum
10	016.133.00	Thrust bearing, 63 mm ID x 86 mm OD, steel
11	004.260.00	Flat nylatron washer, 2.50 ID x 3.40 OD x .060 thick
12	28.2042.00	Mounting plate
13	005.008.01	Socket head patch screw, 1/4-20 x 1/2 stainless steel
14	77.1438.00	Friction clutch
15	77.1770.00	Unit mount arm assembly
16	77.1881.00	Light/monitor mount arm
17	77.1570.00	Cap
18	77.1647.00	Top cover
19	77.1801.00	Mount
20	77.1646.00	Front cover
21	77.1780.00	Clutch assembly
22	77.1645.00	Rear cover
23	001.016.01	Socket head patch screw, 10-32 x 3/8 stainless steel
24	77.1881.00	511B Monitor mount arm
25	28.2074.00	Cap (monitor only)

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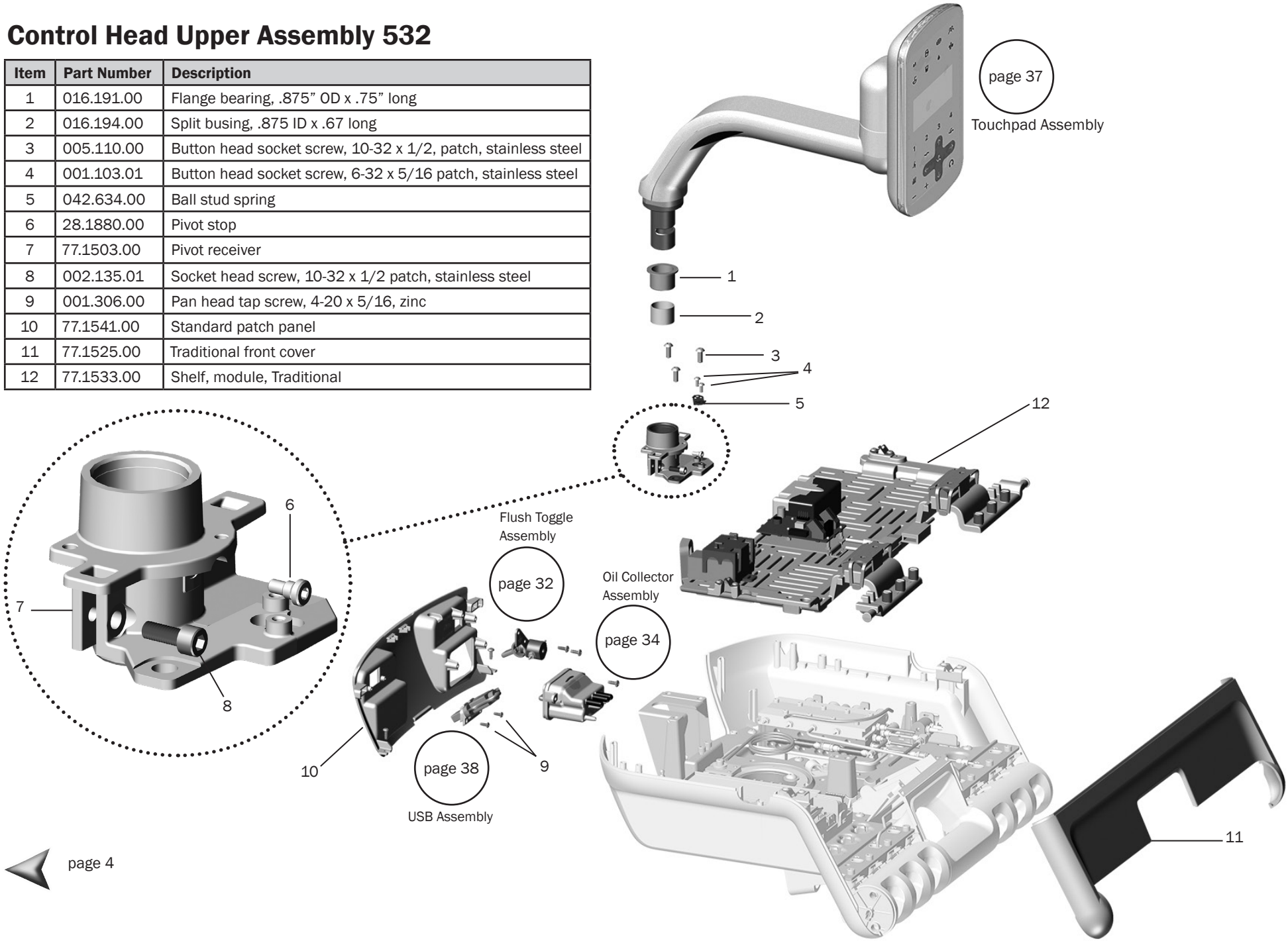
Control Head Upper Assembly 532

Item	Part Number	Description
1	016.191.00	Flange bearing, .875” OD x .75” long
2	016.194.00	Split busing, .875 ID x .67 long
3	005.110.00	Button head socket screw, 10-32 x 1/2, patch, stainless steel
4	001.103.01	Button head socket screw, 6-32 x 5/16 patch, stainless steel
5	042.634.00	Ball stud spring
6	28.1880.00	Pivot stop
7	77.1503.00	Pivot receiver
8	002.135.01	Socket head screw, 10-32 x 1/2 patch, stainless steel
9	001.306.00	Pan head tap screw, 4-20 x 5/16, zinc
10	77.1541.00	Standard patch panel
11	77.1525.00	Traditional front cover
12	77.1533.00	Shelf, module, Traditional



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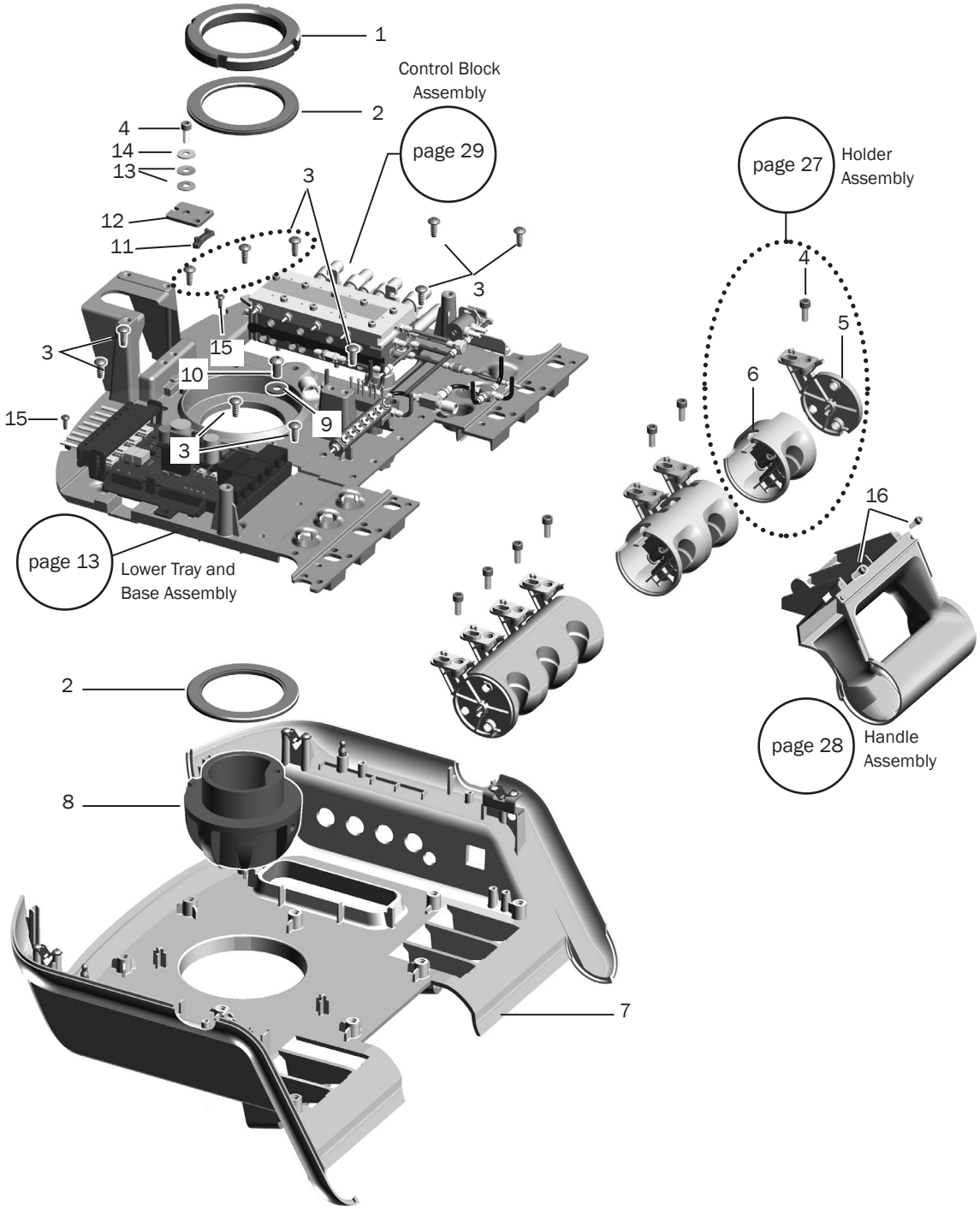
Control Head Lower Assembly 532

Item	Part Number	Description
1	61.2051.00	Spanner locknut, 2.50-16, aluminum
2	016.133.00	Thrust bearing, 63 mm ID x 86 mm OD, steel
3	001.311.00	Pan head screw, Plastic, 10-14 x 1/2 zinc
4	002.135.00	Socket head screw, 10-32 x 1/2 stainless steel
5	77.1520.00	Holder bracket
6	77.1518.00	Holder body, 532B
7	77.1530.01	Bottom cover
8	77.1751.00	Control head pivot hub
9	004.052.00	Flat washer, .203 ID x .562 OD x .040, stainless steel
10	001.130.01	Button head socket patch screw, 1/4 -20 x 1/2 stainless steel
11	77.1866.00	Friction brake
12	77.1735.00	Friction pad bracket
13	004.280.00	Friction brake spring
14	004.197.00	Flat washer, stainless steel, .203 ID x .562 OD x .040
15	001.300.00	Pan head Phillips screw, Plast, 6-19 x 3/8
16	001.033.00	Socket head screw, 6-32 x 3/8 stainless steel



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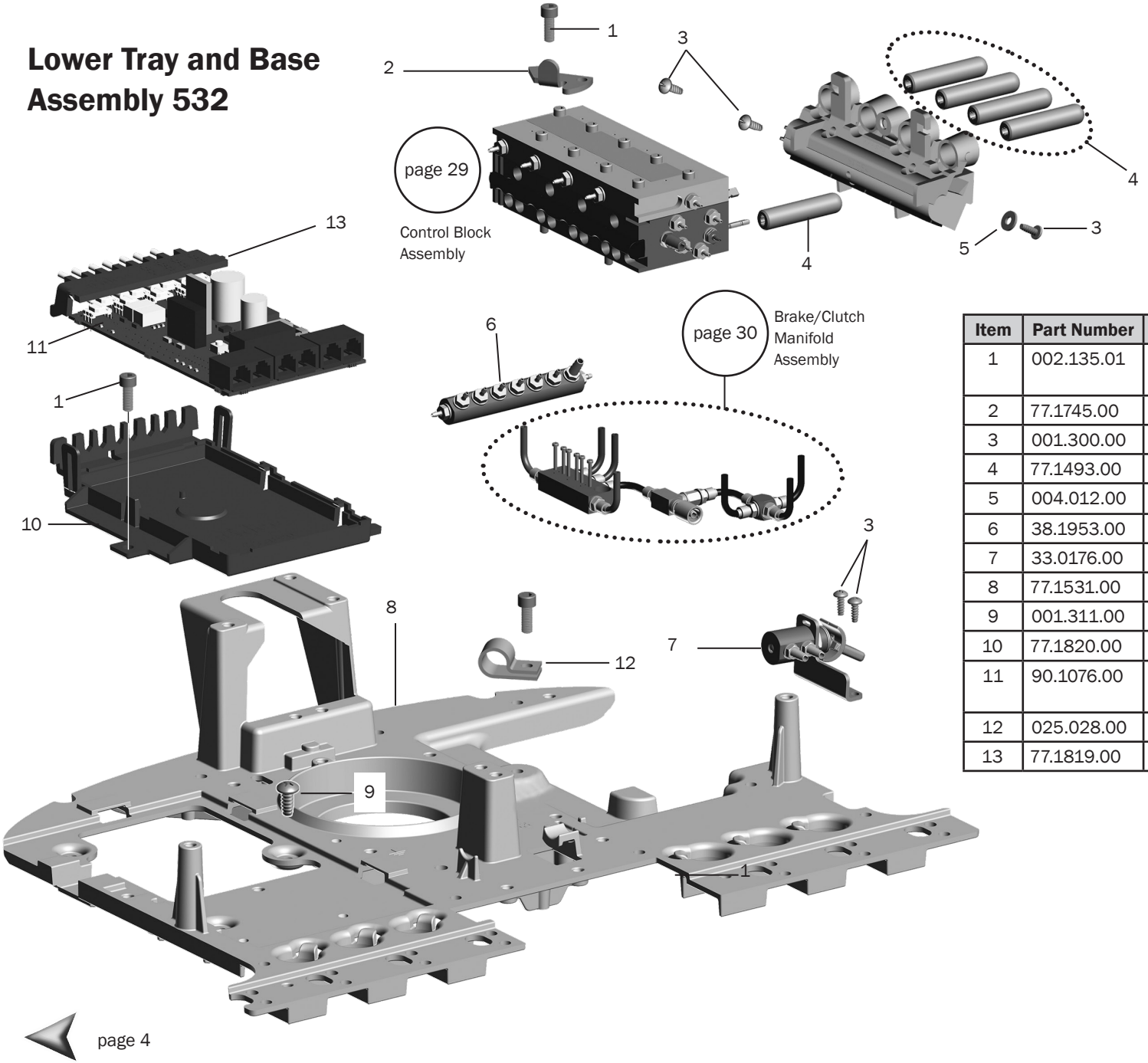

Item	Part Number	Description
1	002.135.01	Socket head patch screw, 10-32 x 1/2 stainless steel
2	77.1745.00	Bracket
3	001.300.00	Pan head Phillips screw, Plast, 6-19 x 3/8
4	77.1493.00	Knob
5	004.012.00	Flat washer, .156 ID, steel, zinc
6	38.1953.00	9-Way manifold assembly
7	33.0176.00	Master toggle assembly
8	77.1531.00	Mounting plate
9	001.311.00	Pan head screw, 10-14 x 1/2 zinc
10	77.1820.00	Enclosure bottom
11	90.1076.00	PCB assembly kit, control head/intra-oral light source
12	025.028.00	Cable clamp
13	77.1819.00	Enclosure, top

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Touchpad Arm Assembly 532

Item	Part Number	Description
1	77.1477.00	Pivot
2	001.121.01	Flat head socket patch screw, 6-32 x 3/8 stainless steel
3	004.263.00	Thrust bearing washer, .875” ID x 1.438” OD x .032” thick
4	016.191.00	Flange bearing
5	77.1497.00	Upper support arm cover
6	77.1699.00	Support arm
7	77.1498.00	Lower support arm cover
8	77.1526.00	Pivot hub cover
9	77.1499.00	Support arm pivot
10	016.194.00	Split bearing
11	77.1503.00	Pivot receiver
12	28.1880.00	Pivot stop
13	002.135.01	Socket head patch screw, 10-32 x 1/2 stainless steel
14	042.634.00	Spring
15	001.103.01	Button head socket patch screw, 6-32 x 5/16 stainless steel
16	005.110.00	Button head socket patch screw, 10-32 x 1/2 stainless steel
17	77.1494.00	Spanner nut
18	016.193.00	Thrust bearing
19	004.269.00	Wave washer, 1.424 OD steel

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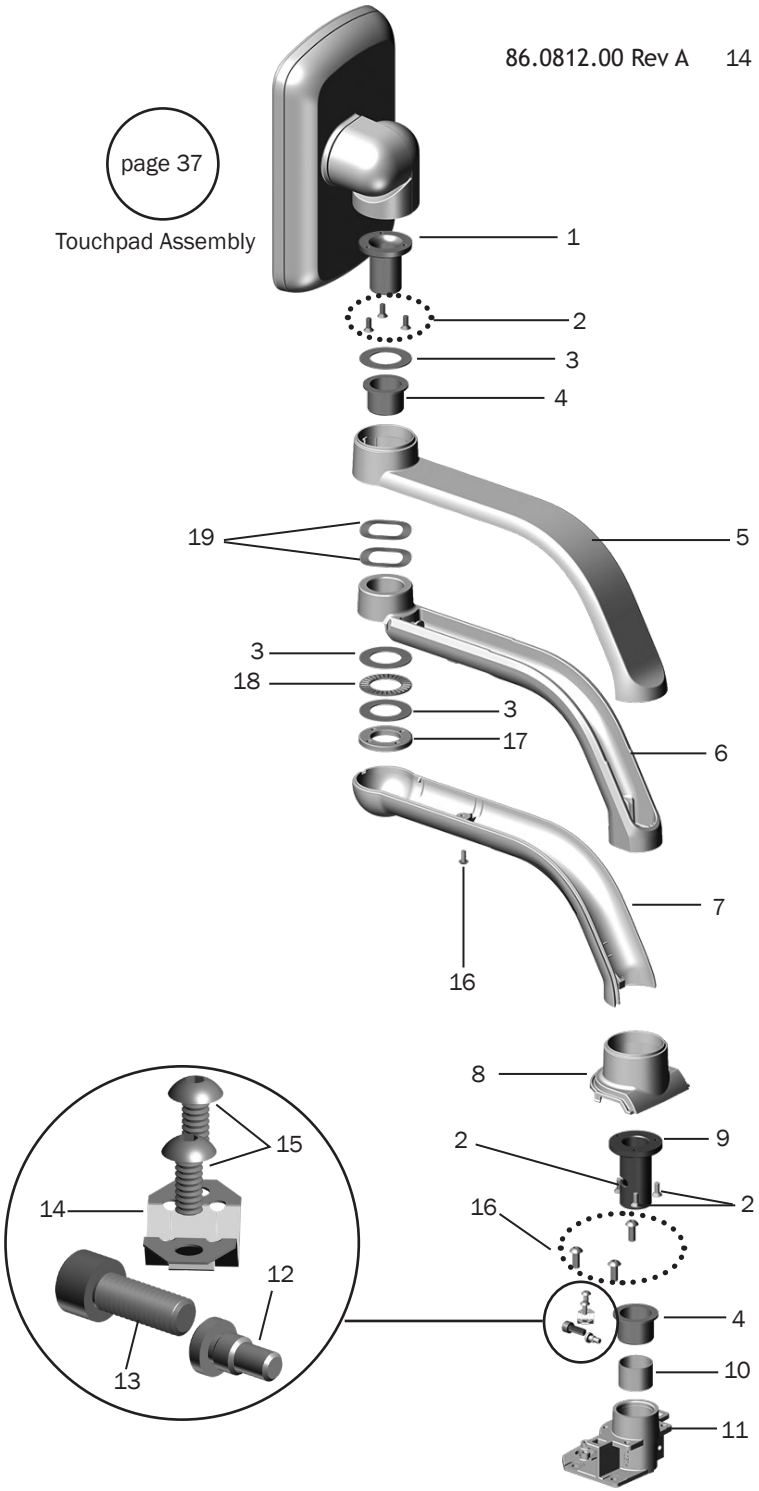
Touchpad Assembly



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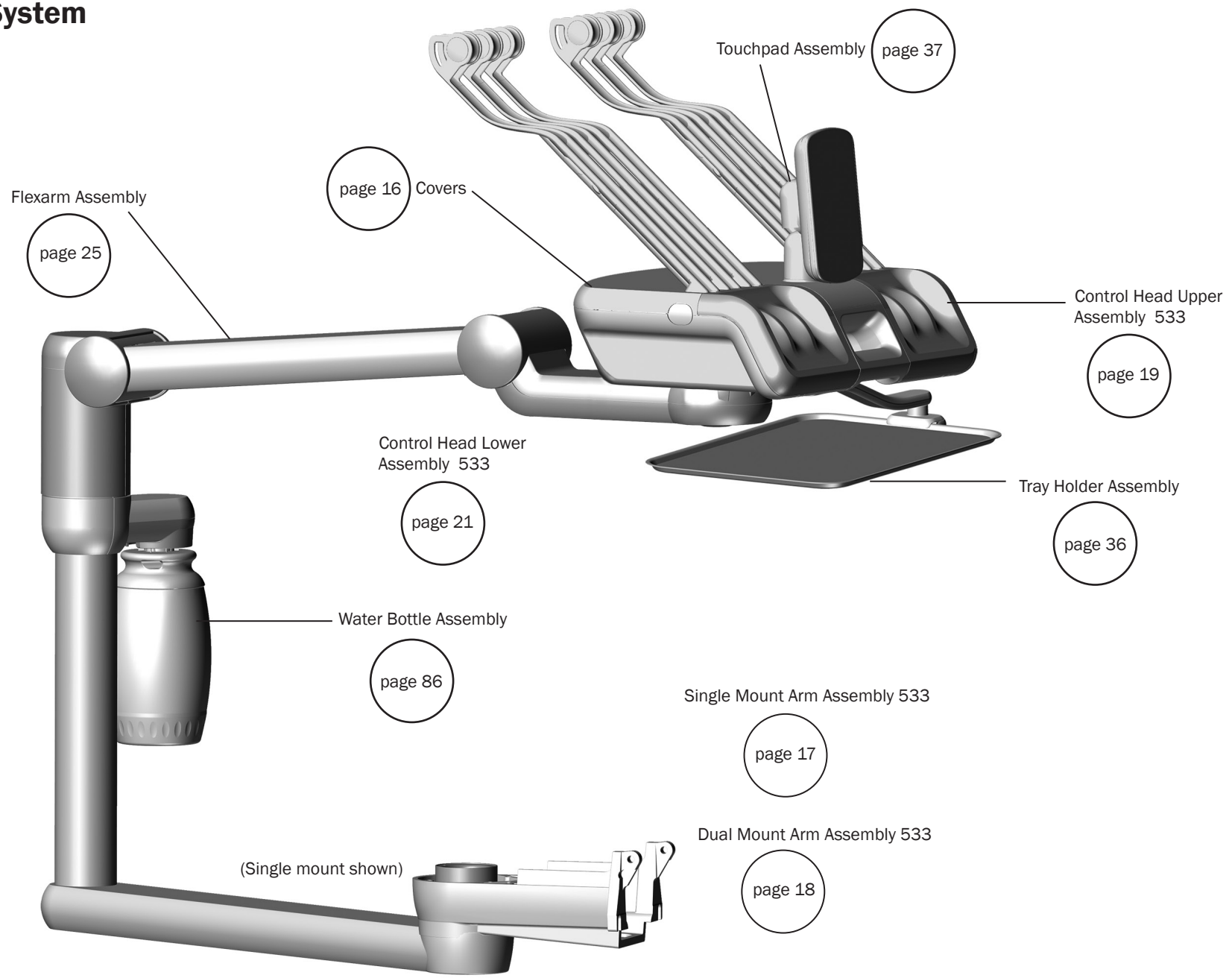
533 Delivery System



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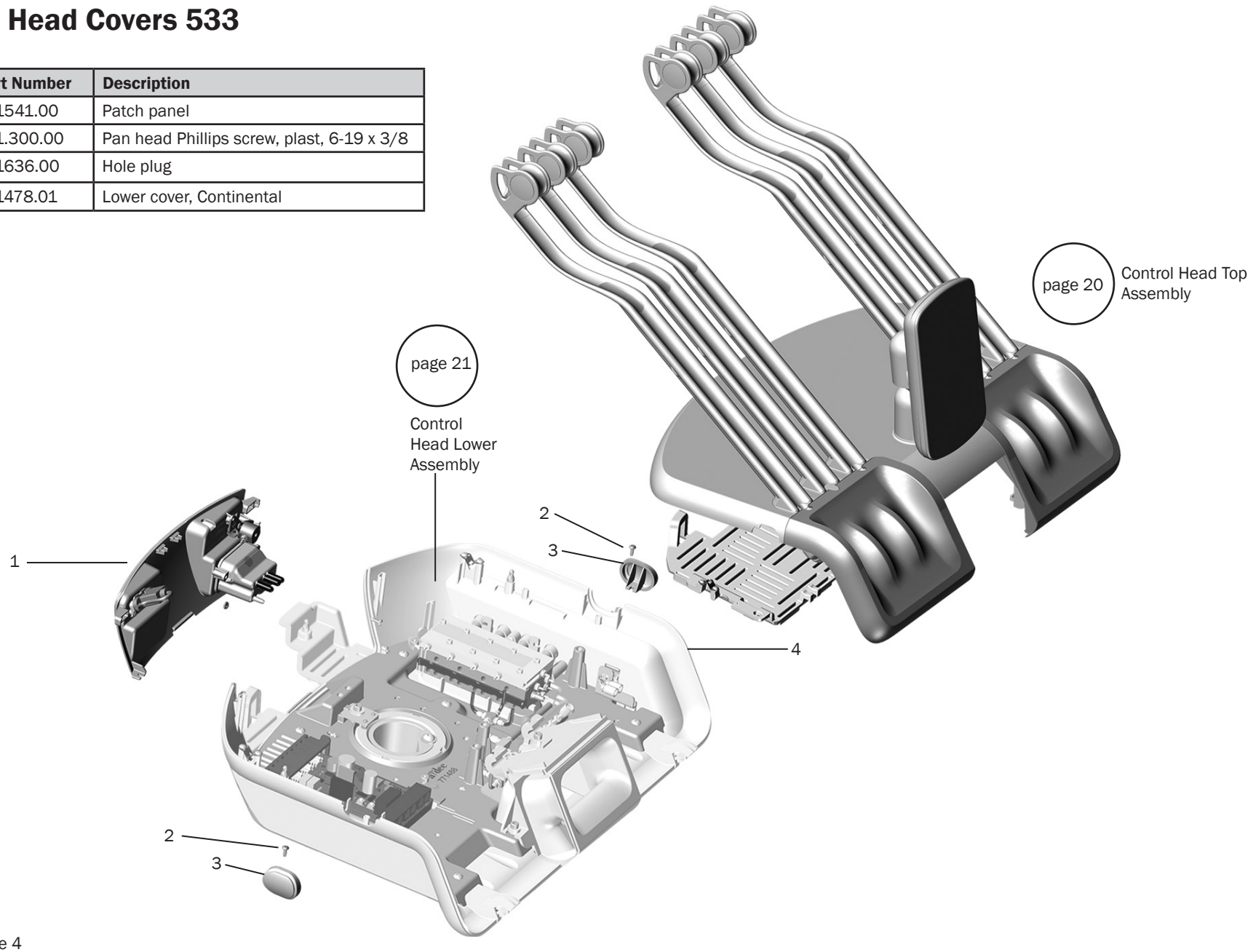
Control Head Covers 533

Item	Part Number	Description
1	77.1541.00	Patch panel
2	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
3	77.1636.00	Hole plug
4	77.1478.01	Lower cover, Continental



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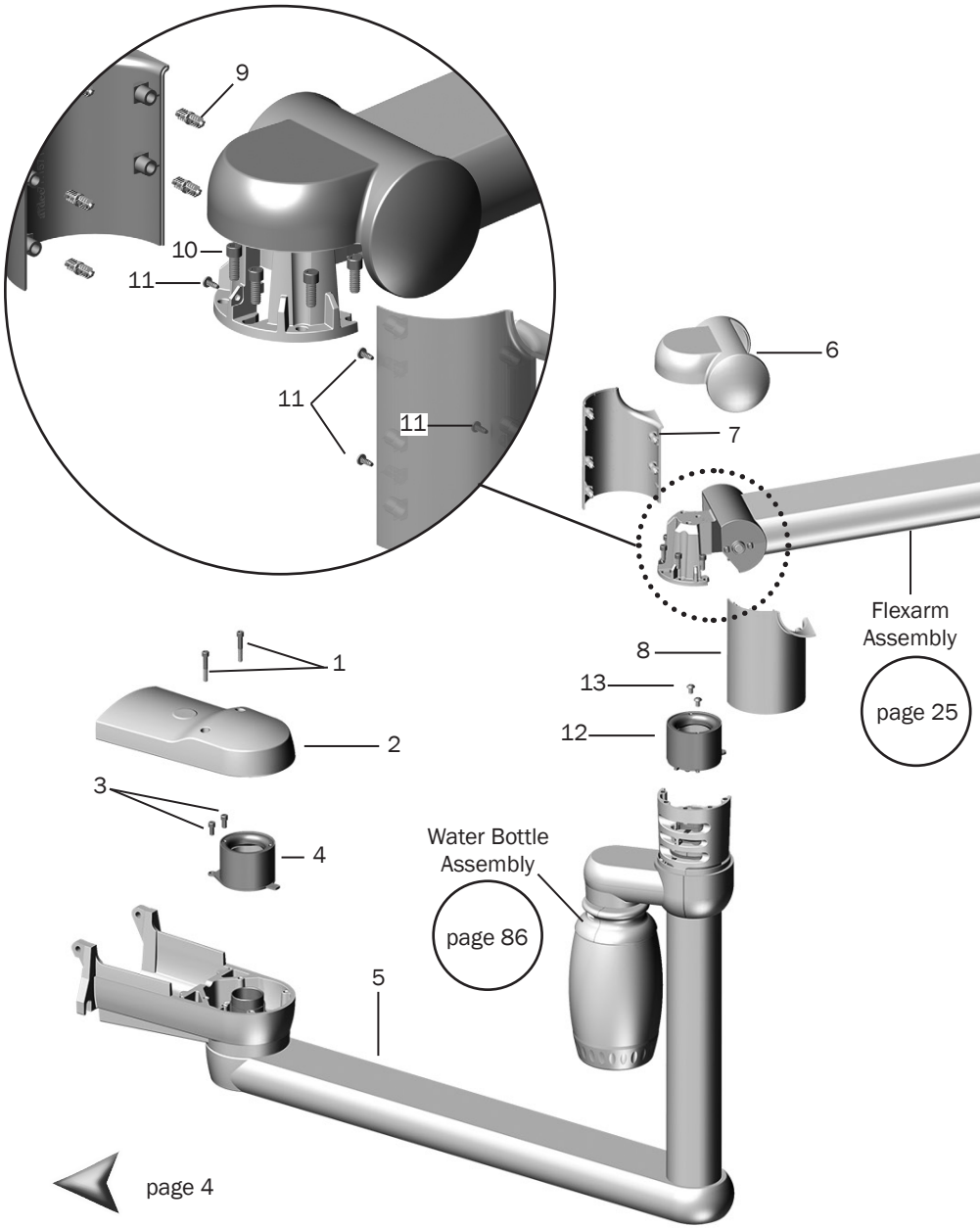
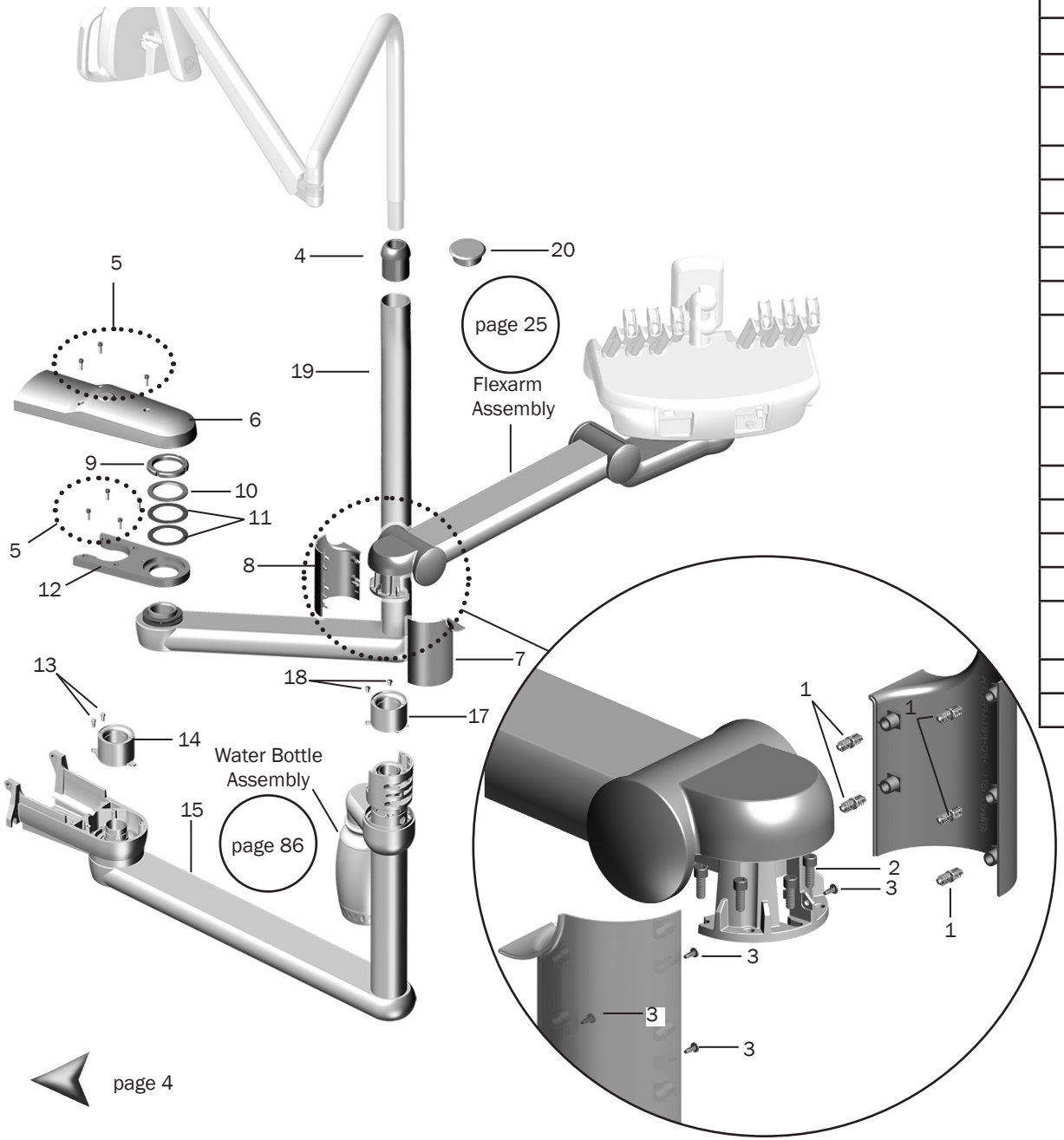
Single Unit Mount Arm Assembly 533



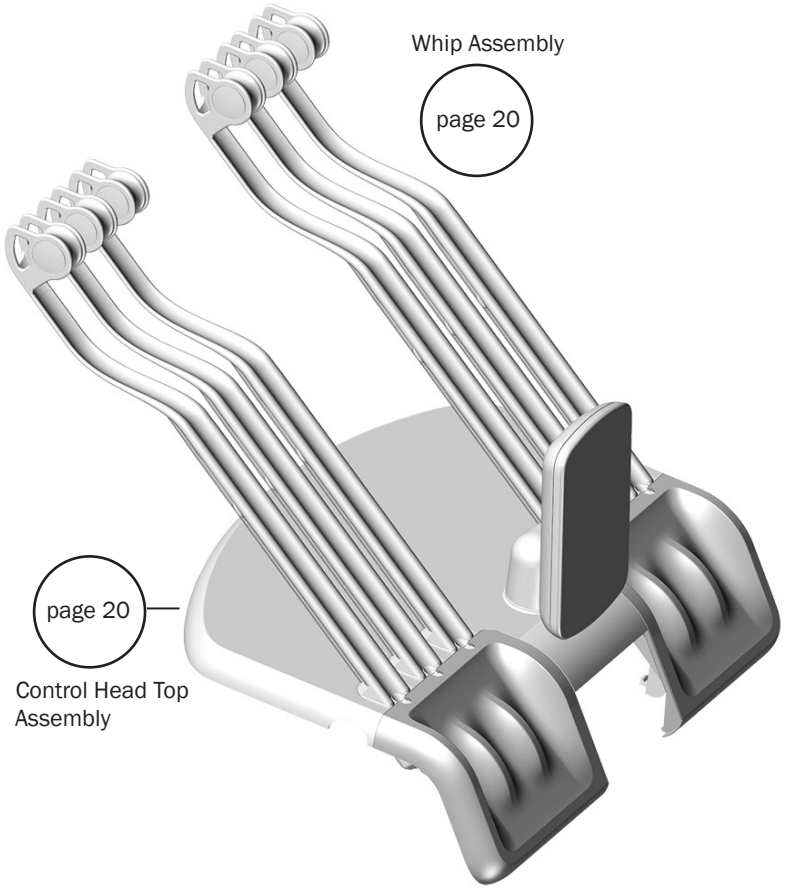
Item	Part Number	Description
1	002.082.03	Socket head screw, 1/4-20 x 1-1/2 stainless steel
2	77.1450.00	Unit mount cover
3	002.010.00	Socket head patch screw, 1/4-20 x 3/8 stainless steel
4	77.1438.00	Friction clutch
5	77.1772.00	533B Unit mount module
6	77.1570.00	Cap
7	77.1571.00	Rear knuckle cover, right
8	77.1572.00	Rear knuckle cover, left
9	025.126.00	Xmas tree connector, .250 DIA x 1.000 long
10	005.020.00	Button head socket screw, 1/4-20 x 5/8
11	001.300.00	Pan head Phillips plastic screw, 6-19 x 3/8
12	77.1780.00	Clutch assembly
13	005.143.00	Button head socket patch screw, 1/4-20 x 3/8, stainless steel

Dual Unit Mount Arm Assembly 533

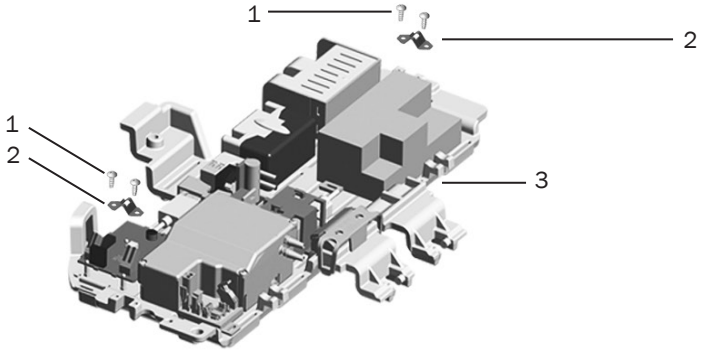


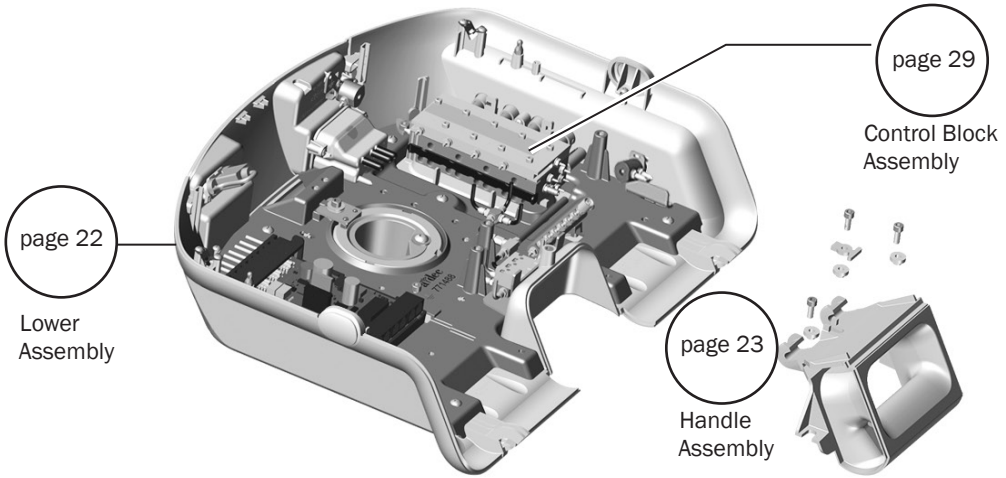
Item	Part Number	Description
1	025.126.00	Xmas tree connector, .250 DIA x 1.000 long
2	005.020.00	Screw, button head socket, 1/4 - 20 x 5/8
3	001.300.00	Pan head Phillips plastic screw, 6-19 x 3/8
4	28.2067.00	Bushing
5	002.080.01	Socket head patch screw, 1/4-20 x 3/4 stainless steel
6	77.1451.00	Cover
7	77.1572.00	Rear knuckle cover, left
8	77.1571.00	Rear knuckle cover, right
9	61.2051.00	Spanner locknut, 2.50-16 aluminum
10	016.133.00	Thrust bearing, 63 mm ID x 86 mm OD, steel
11	004.260.00	Flat nylatron washer, 2.50 ID x 3.40 OD x .060 thick
12	28.2042.00	Mounting plate
13	005.008.01	Socket head patch screw, 1/4-20 x 1/2 stainless steel
14	77.1438.00	Friction clutch
15	77.1772.00	533B Unit mount arm assembly
16	77.1881.00	Light/monitor mount arm
17	77.1780.00	Clutch assembly
18	005.143.00	Button head socket patch screw, 1/4-20 x 3/8, stainless steel
19	77.1881.00	511B Monitor mount arm
20	28.2074.00	Cap (monitor only)

Control Head Upper Assembly 533



Item	Part Number	Description
1	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
2	042.694.00	Spring
3	77.1544.00	Shelf, module, Continental





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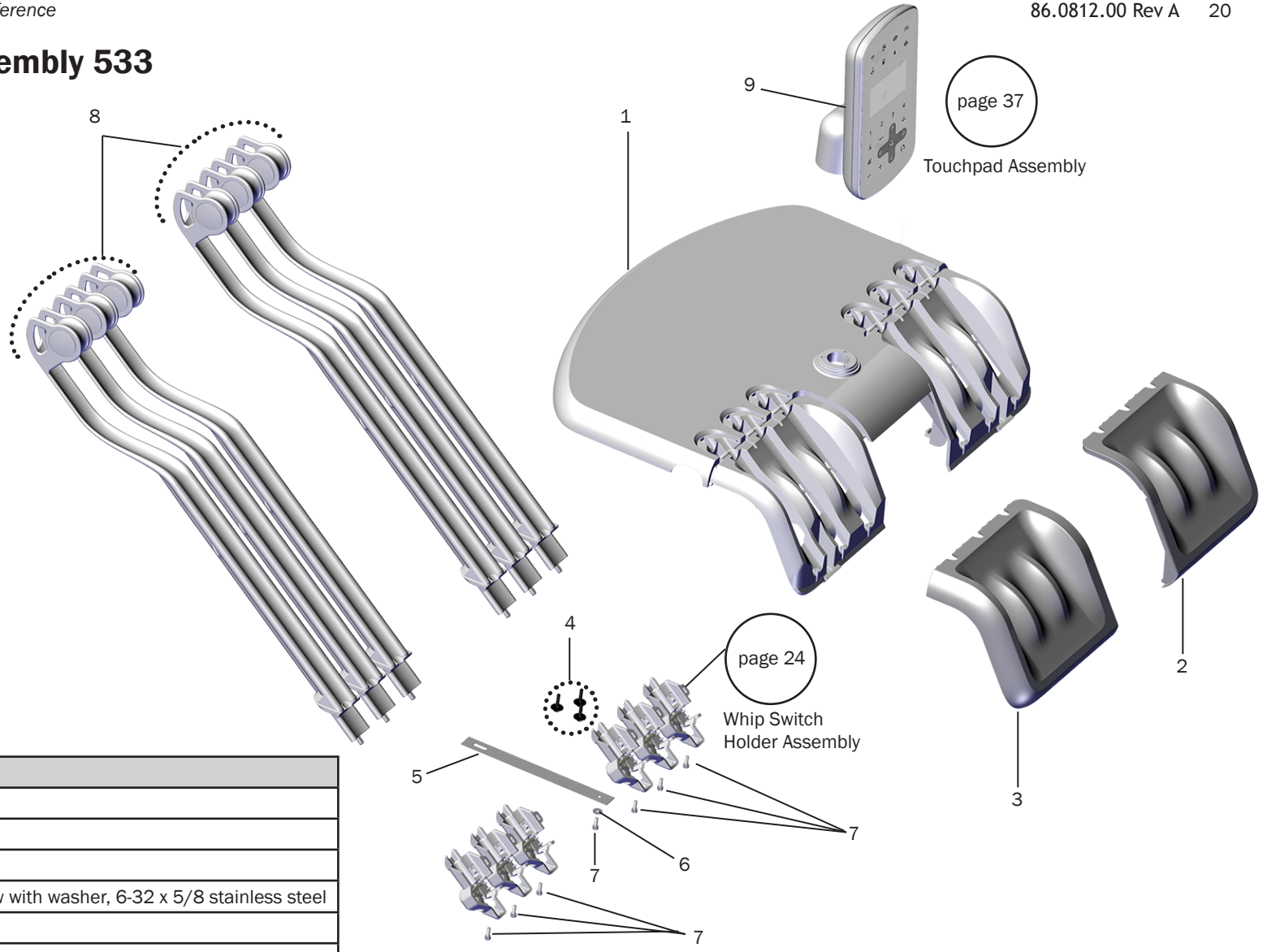

Item	Part Number	Description
1	77.1479.00	Upper cover
2	77.1480.00	Holder pad, right
3	77.1481.00	Holder pad, left
4	005.161.00	Socket head screw with washer, 6-32 x 5/8 stainless steel
5	77.1760.00	Strap
6	004.012.00	Flat washer, .156 ID, steel, zinc
7	001.033.00	Socket head screw, 6-32 x 3/8 stainless steel
8	77.1830.00	533 Whip assembly
9	90.1707.00	Deluxe plus touchpad kit, 533B

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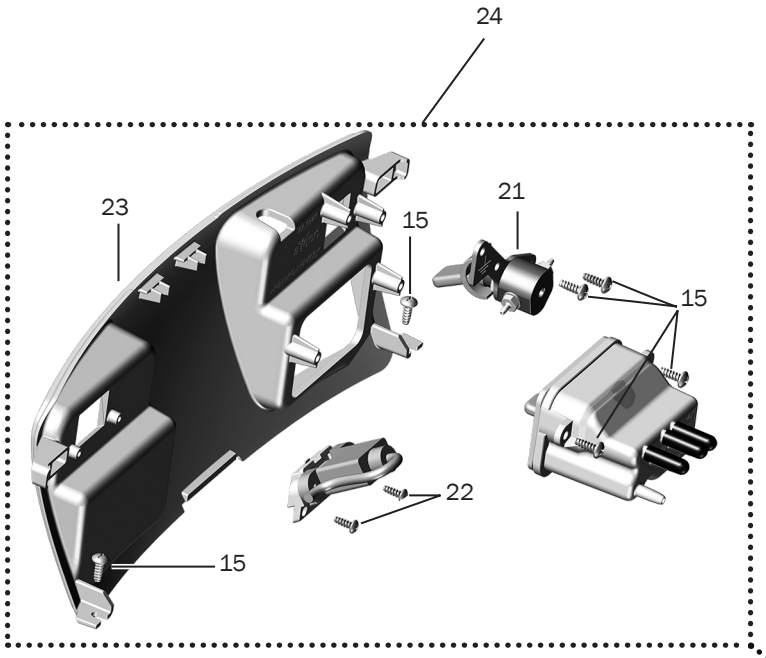
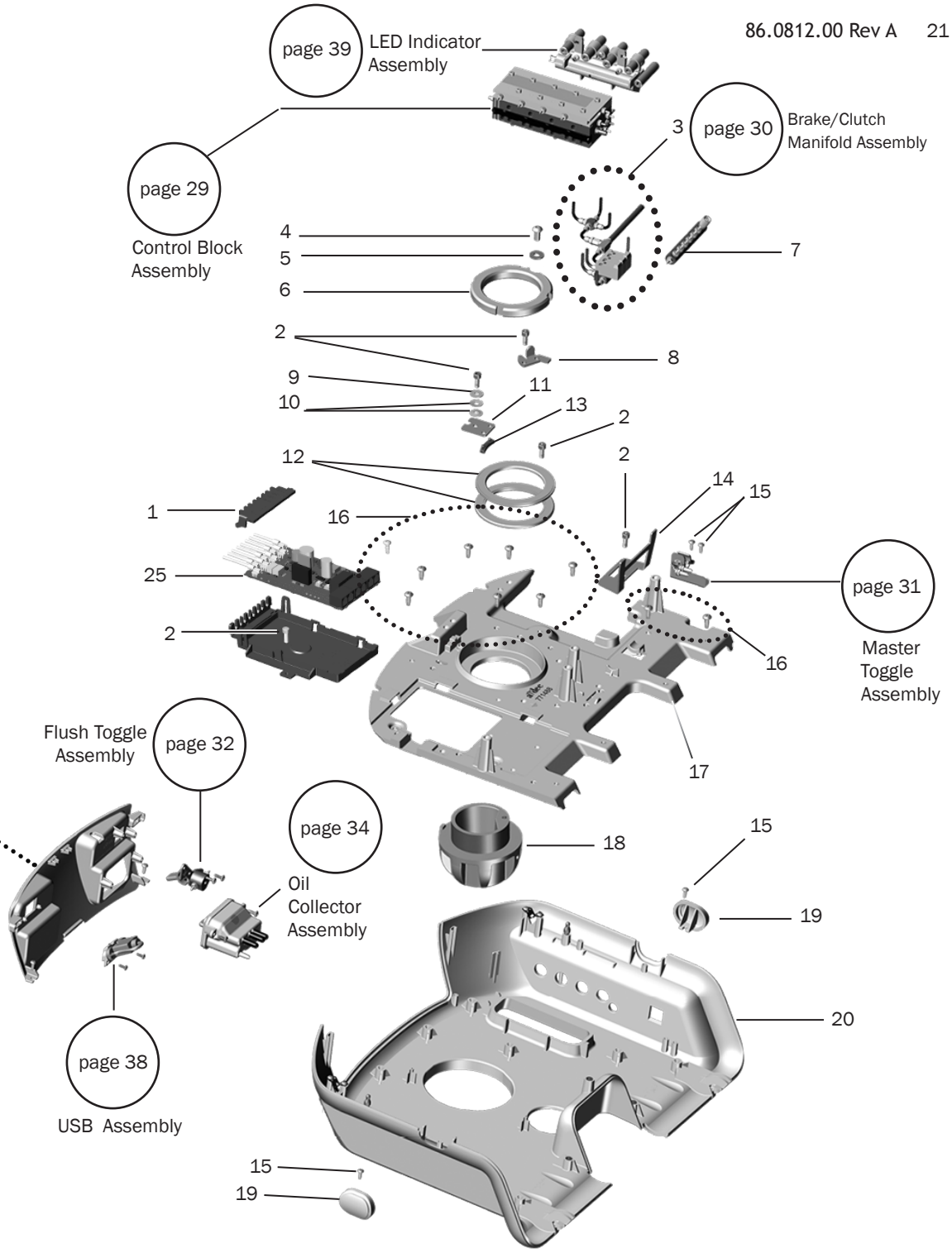
Control Head Lower Assembly 533





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Lower Assembly 533

Item	Part Number	Description
1		DCAP PCB Assembly
2	002.135.01	Socket head patch screw, 10-32 x 1/2 stainless steel
3	38.1955.00	Manifold assembly, brake/clutch Solenoids
4	001.130.01	Button head socket patch screw, /14-20 x 1/2 stainless steel
5	004.052.00	Flat washer, .265 ID steel zinc
6	61.2051.00	Spanner locknut, 2/5-16 aluminum
7	38.1953.00	9-Way manifold assembly
8	77.1745.00	Bracket
9	004.197.00	Flat stainless steel washer, .203 ID x .562 OD x .040
10	004.280.00	Spring washer, steel, .19 ID x .562 OD x .019 thick
11	77.1735.00	Bracket
12	016.133.00	Enclosed thrust bearing, 63 mm ID x 86 mm OD steel
13	77.1638.00	Friction brake
14	77.1880.00	Gusset
15	001.300.00	Pan head Phillips screw, Plast, 6-19 x 3/8
16	001.311.00	Pan head screw, Plastic, 10-14 x 1/2 zinc
17	77.1532.00	Mounting plate
18	77.1751.00	Pivot hub
19	77.1636.00	Hole plug
20	77.1478.01	Lower cover
21	33.0177.00	Flush toggle assembly
22	001.306.00	Pan head tap screw, 4-20 x 5/16 zinc
23	77.1541.00	Patch panel
24	77.1831.00	Back panel assembly
25	90.1076.00	

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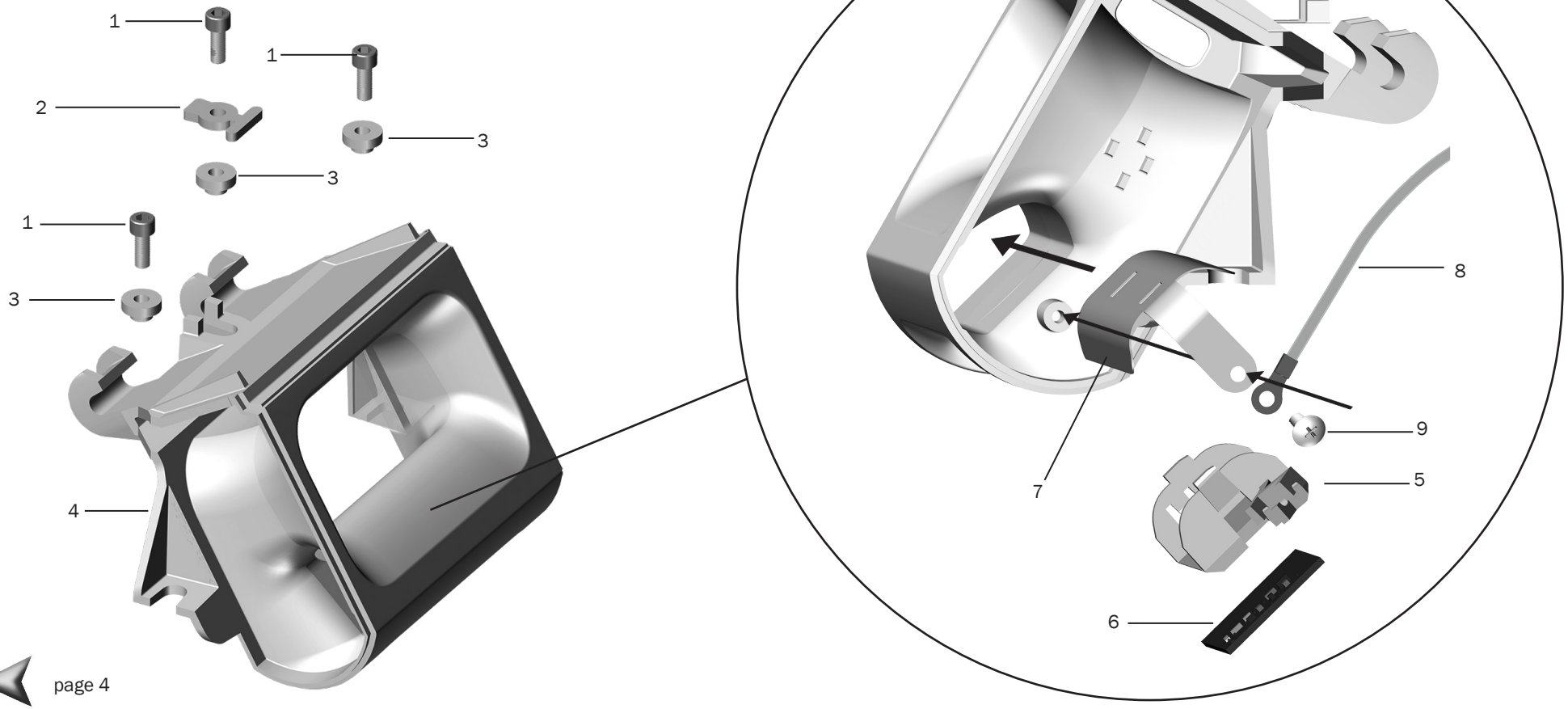
Handle Assembly 533

Item	Part Number	Description
1	002.168.00	Screw, socket head, patch, 10-32 X 5/8, steel zinc
2	77.1761.00	Hook
3	77.1674.00	Compression limiter
4	77.1483.00	Chassis
5	77.1484.00	Cradle
6	43.0449.00	Capacitive switch PCB assembly
7	77.1485.00	Shield
8	43.0358.00	Wire assembly,16 AWG, ground, 12 IN
9	001.275.00	Truss head Phillips screw, Plastic, 6-19 x 1/4 steel zinc



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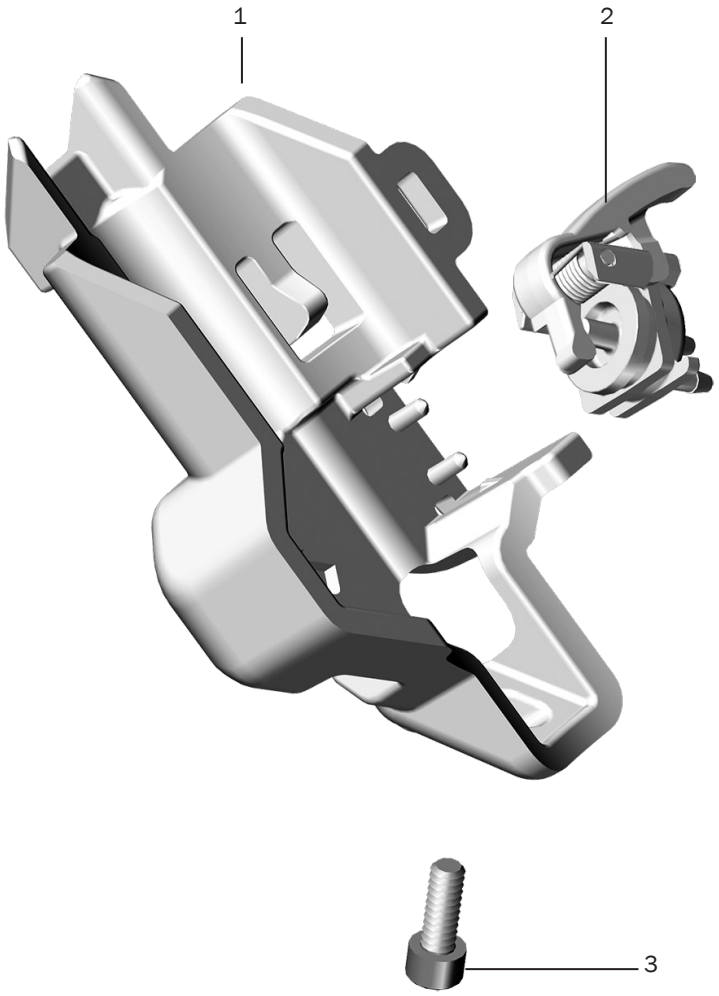
Whip Switch Holder Assembly 533



Item	Part Number	Description
1	77.1545.00	Whip holder
2	99.0654.00	Actuator valve assembly
3	001.033.00	Socket head screw, 6-32 x 3/8 stainless steel

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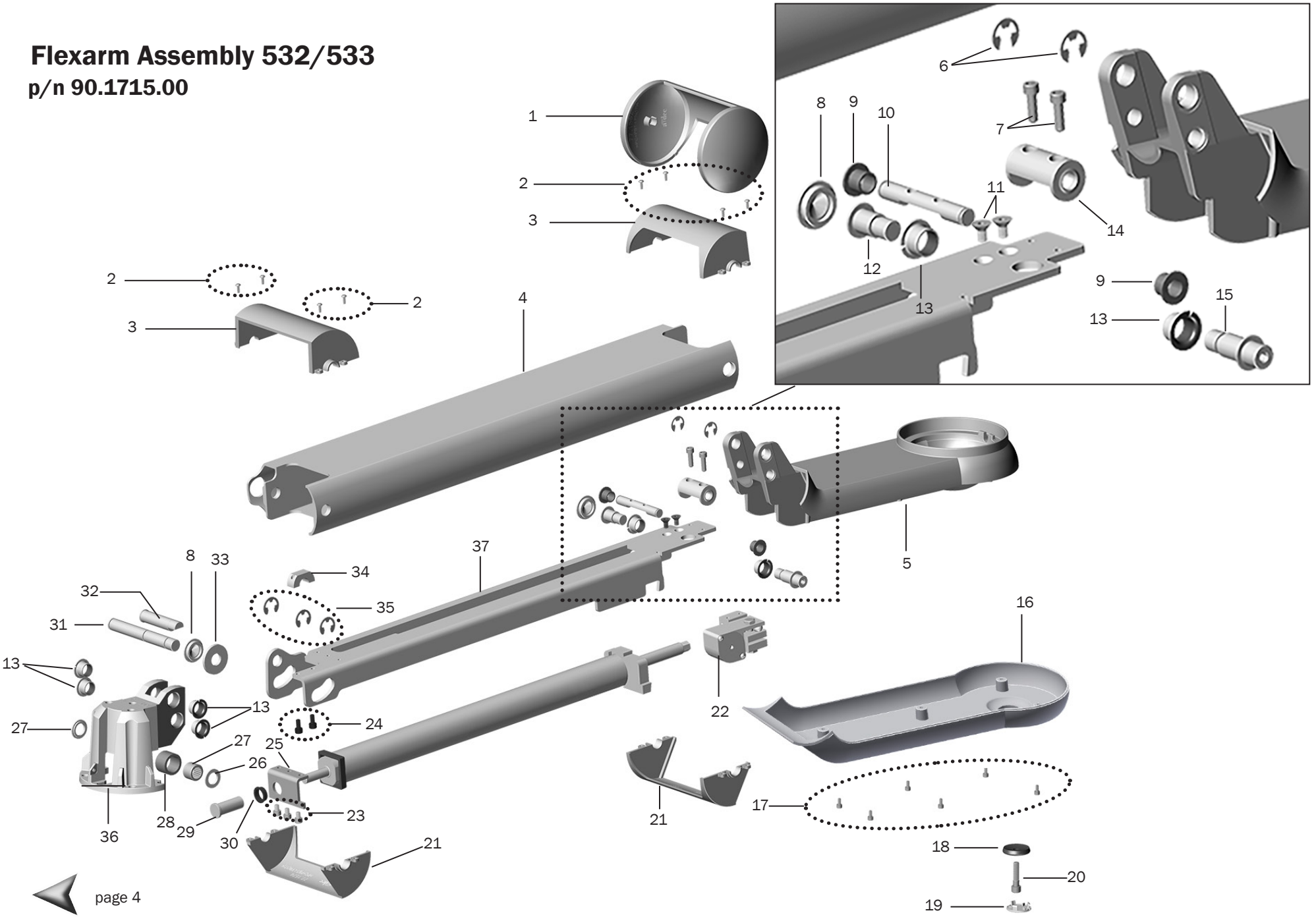
Flexarm Assembly 532/533

p/n 90.1715.00



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Flexarm Assembly 532/533

Item	Part Number	Description
1	77.1582.00	Preload cover
2	001.306.00	Pan head tap screw, 4-20 x 5/16 zinc
3	77.1573.00	Back pivot cover
4	77.1578.00	Housing
5	77.1584.00	Front knuckle
6	010.040.00	Retaining ring, .375 ID
7	002.168.00	Socket head patch screw, 10-32 x 5/8 steel zinc
8	77.1762.00	Plug
9	016.138.00	Flange bearing, .375 ID x .375 long, steel PTFE
10	77.1583.00	Pin
11	001.122.01	Flat head socket screw, 10-32 x 3/8 stainless steel
12	77.1559.00	Pin
13	016.124.00	Flange bearing, .500 ID x .375 long, steel PTFE 1
14	77.1892.00	Support pin
15	77.1569.00	Pin
16	77.1580.00	Front cover
17	001.034.00	Socket head screw, 6-32 x 1/4 stainless steel
18	77.1640.00	Washer, spherical, level adjust

Item	Part Number	Description
19	77.1591.00	Brake cover
20	002.120.00	Socket head patch screw, 1/4-20 x 1
21	77.1574.00	Pivot cover
22	38.1956.00	Brake assembly
23	002.123.00	Socket head patch screw, 10-32 x 1/4 stainless steel
24	001.254.00	Socket head screw, 10-32 x 3/8, grade 8, steel black
25	77.1581.00	Bracket
26	77.1752.00	Bearing ring spacer
27	016.197.00	Needle roller bearing, .500 ID x .688 OD x .500 long
28	77.1566.00	Bearing ring
29	77.1577.00	Spring rod cap
30	016.200.00	Snap-in bearing, 500 ID
31	77.1567.00	Pin
32	77.1568.00	Pin
33	12.0955.00	Flat washer, acetal, .520 ID
34	77.1759.00	Axle holder
35	010.031.01	Retaining ring, external, 1/2 ID stainless steel
36	77.1627.00	Flexarm knuckle
37	77.1575.00	Parallel link

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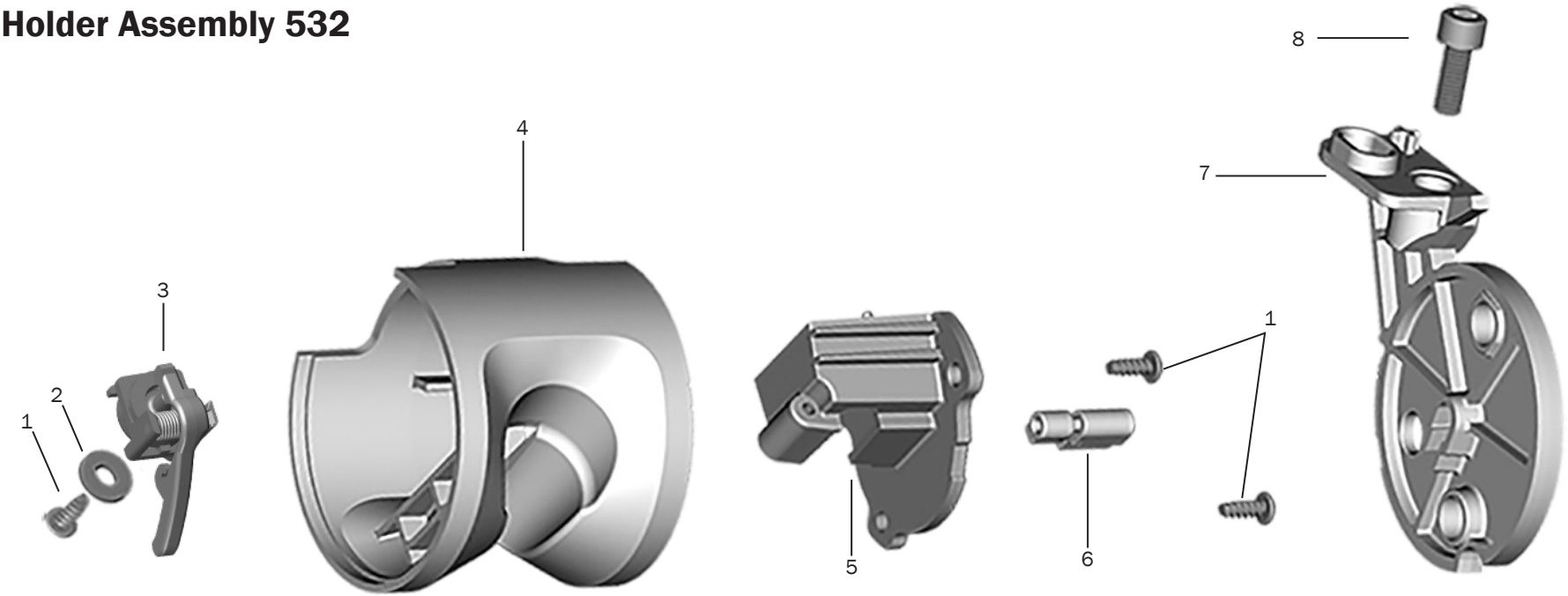
Holder Assembly 532



Item	Part Number	Description
1	001.306.00	Pan head tap screw, 4-20 x 5/16, zinc
2	004.012.00	Flat steel washer, .156 ID
3	99.0654.00	Actuator valve assembly
4	77.1518.00	Holder
5	77.1519.00	Bracket
6	77.1474.00	Insert
7	77.1520.00	Traditional holder bracket
8	002.135.00	Socket head screw, 10-32 x 1/2, stainless steel

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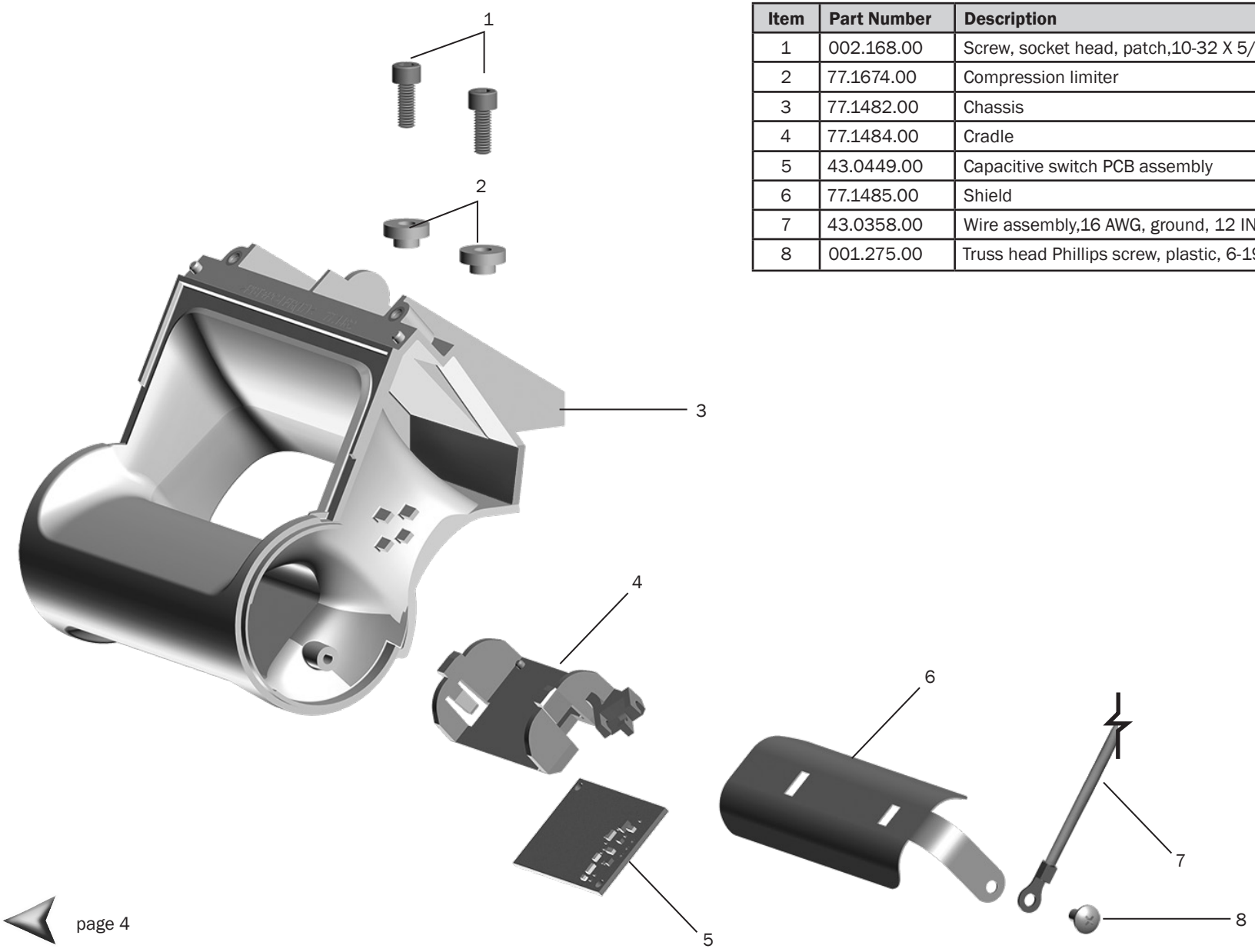
Control Head Handle Assembly 532



Item	Part Number	Description
1	002.168.00	Screw, socket head, patch,10-32 X 5/8, steel zinc
2	77.1674.00	Compression limiter
3	77.1482.00	Chassis
4	77.1484.00	Cradle
5	43.0449.00	Capacitive switch PCB assembly
6	77.1485.00	Shield
7	43.0358.00	Wire assembly,16 AWG, ground, 12 IN
8	001.275.00	Truss head Phillips screw, plastic, 6-19 x 1/4, steel zinc

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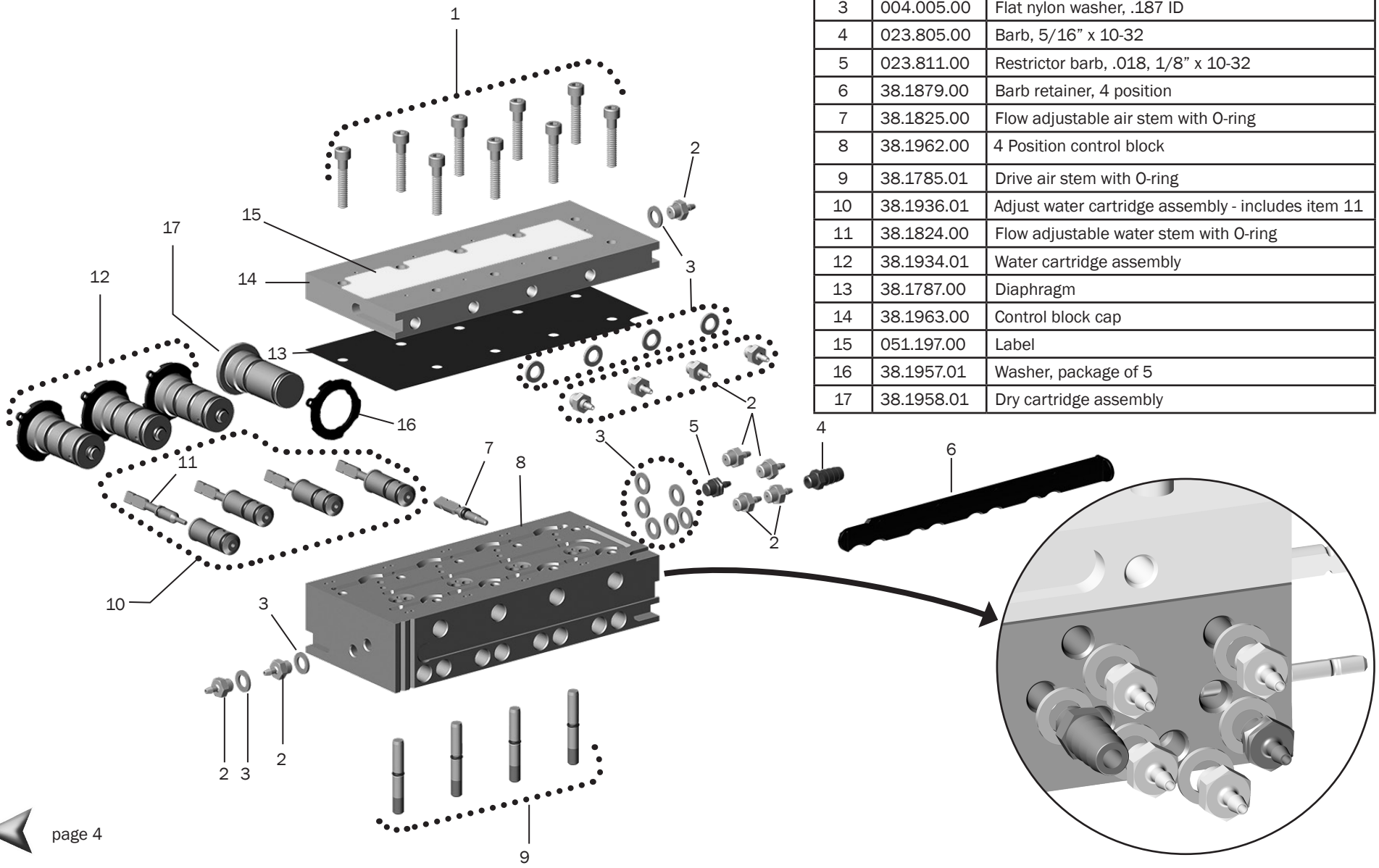
Control Block Assembly 532/533

p/n 38.1876.00 Control Block Assembly



Item	Part Number	Description
1	001.240.00	Socket head screw, 6-32 x 3/4 stainless steel
2	023.004.00	Barb, 1/8” x 10-32
3	004.005.00	Flat nylon washer, .187 ID
4	023.805.00	Barb, 5/16” x 10-32
5	023.811.00	Restrictor barb, .018, 1/8” x 10-32
6	38.1879.00	Barb retainer, 4 position
7	38.1825.00	Flow adjustable air stem with O-ring
8	38.1962.00	4 Position control block
9	38.1785.01	Drive air stem with O-ring
10	38.1936.01	Adjust water cartridge assembly - includes item 11
11	38.1824.00	Flow adjustable water stem with O-ring
12	38.1934.01	Water cartridge assembly
13	38.1787.00	Diaphragm
14	38.1963.00	Control block cap
15	051.197.00	Label
16	38.1957.01	Washer, package of 5
17	38.1958.01	Dry cartridge assembly

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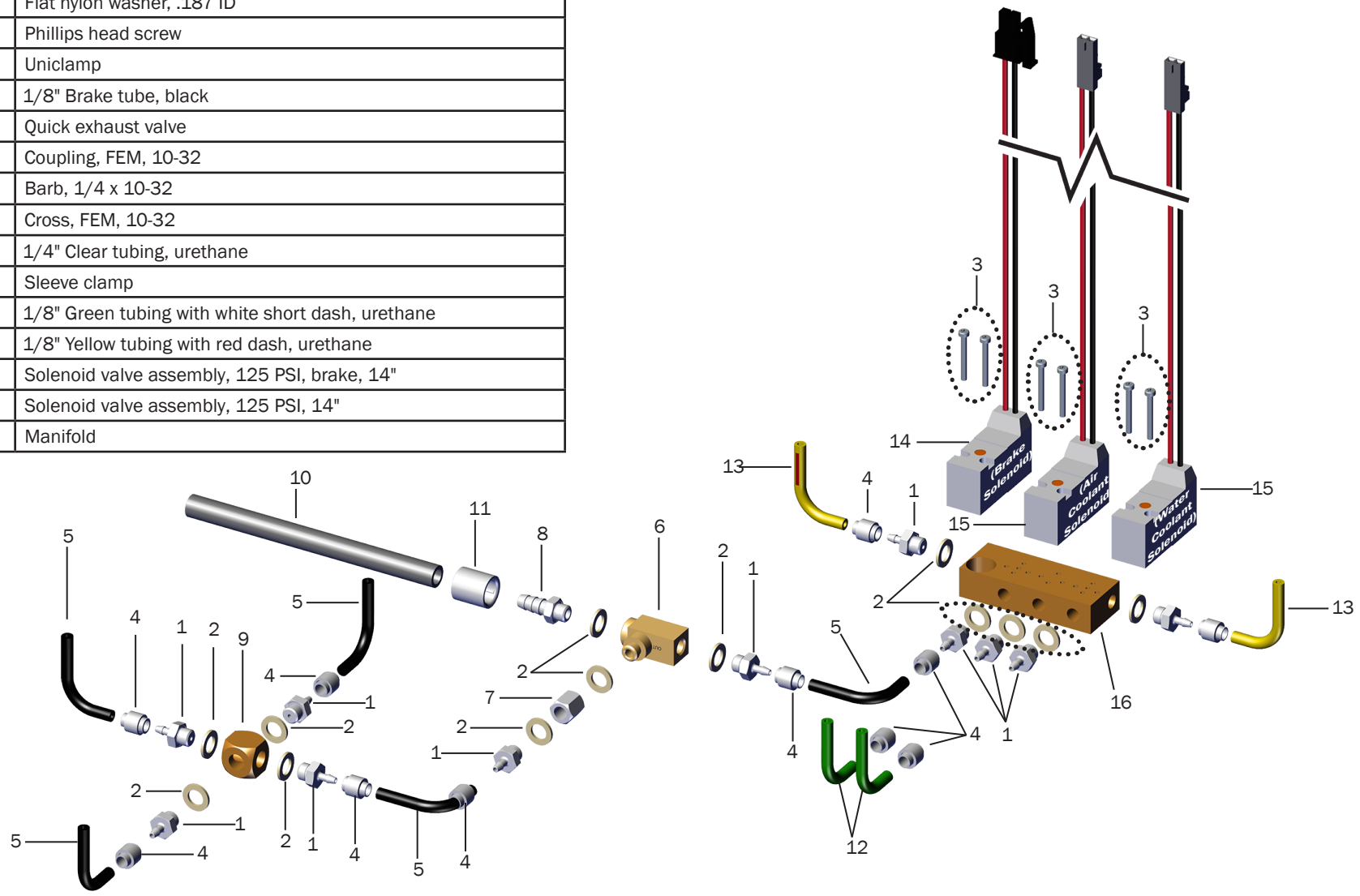
Brake/Clutch Manifold Assembly 532/533

p/n: 38.1955.00

Item	Part Number	Description
1	023.004.00	Barb, 1/8 x 10-32
2	004.005.00	Flat nylon washer, .187 ID
3	045.019.00	Phillips head screw
4	025.007.00	Uniclamp
5	036.020.00	1/8" Brake tube, black
6	026.201.00	Quick exhaust valve
7	021.034.00	Coupling, FEM, 10-32
8	023.001.00	Barb, 1/4 x 10-32
9	021.027.00	Cross, FEM, 10-32
10	036.028.00	1/4" Clear tubing, urethane
11	025.015.00	Sleeve clamp
12	036.018.00	1/8" Green tubing with white short dash, urethane
13	036.009.00	1/8" Yellow tubing with red dash, urethane
14	43.0492.00	Solenoid valve assembly, 125 PSI, brake, 14"
15	43.0491.00	Solenoid valve assembly, 125 PSI, 14"
16	38.1929.00	Manifold



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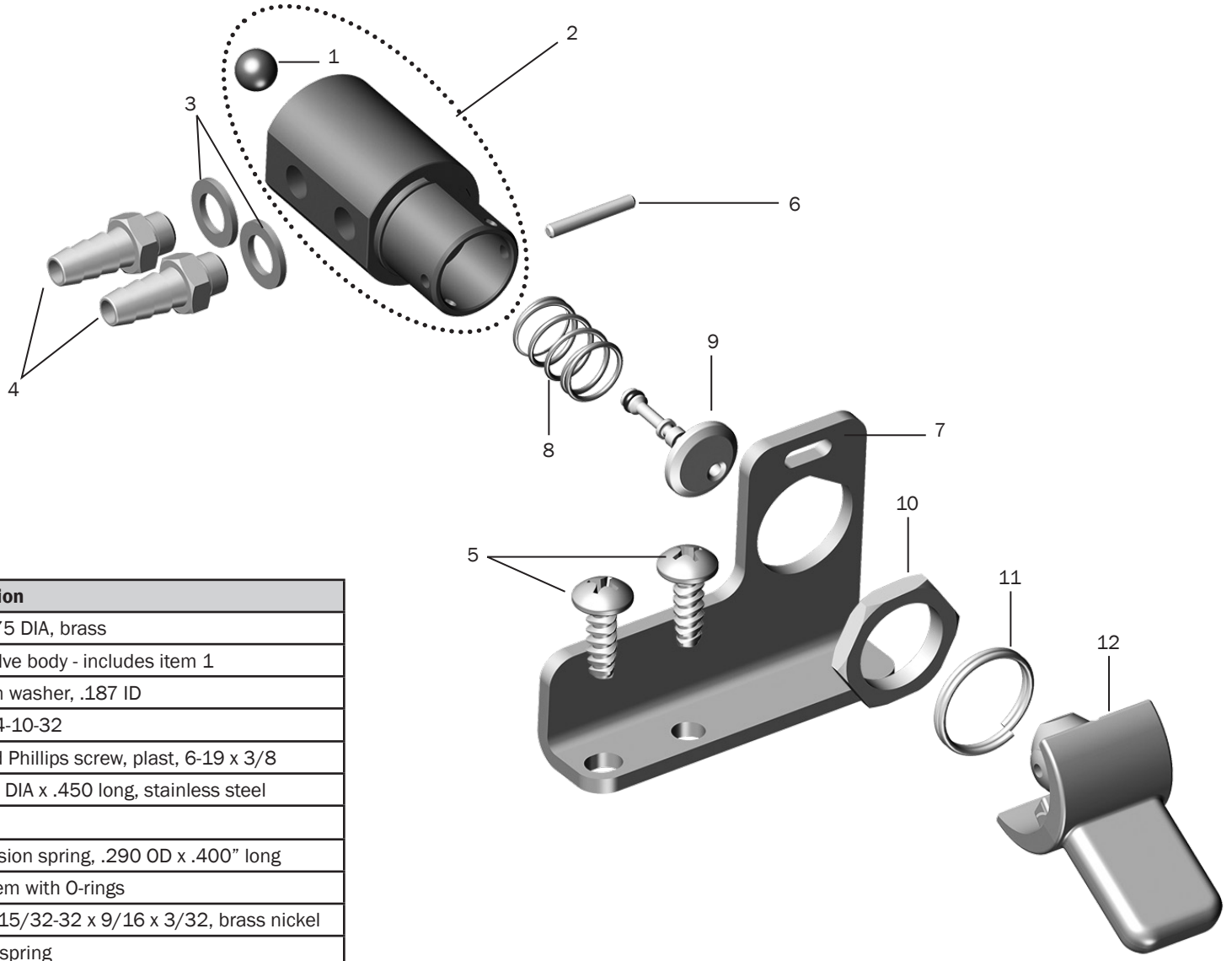
Master Toggle Assembly 532/533

p/n: 33.0176.00



Item	Part Number	Description
1	015.021.00	Ball, .1875 DIA, brass
2	33.0179.00	3-Port valve body - includes item 1
3	004.005.00	Flat nylon washer, .187 ID
4	023.001.00	Barb, 1/4-10-32
5	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
6	011.039.00	Pin, .062 DIA x .450 long, stainless steel
7	38.1881.00	Bracket
8	22.0040.00	Compression spring, .290 OD x .400” long
9	29.0840.00	3-Way stem with O-rings
10	006.009.00	Hex nut, 15/32-32 x 9/16 x 3/32, brass nickel
11	010.089.00	Retainer spring
12	38.1877.00	Master toggle

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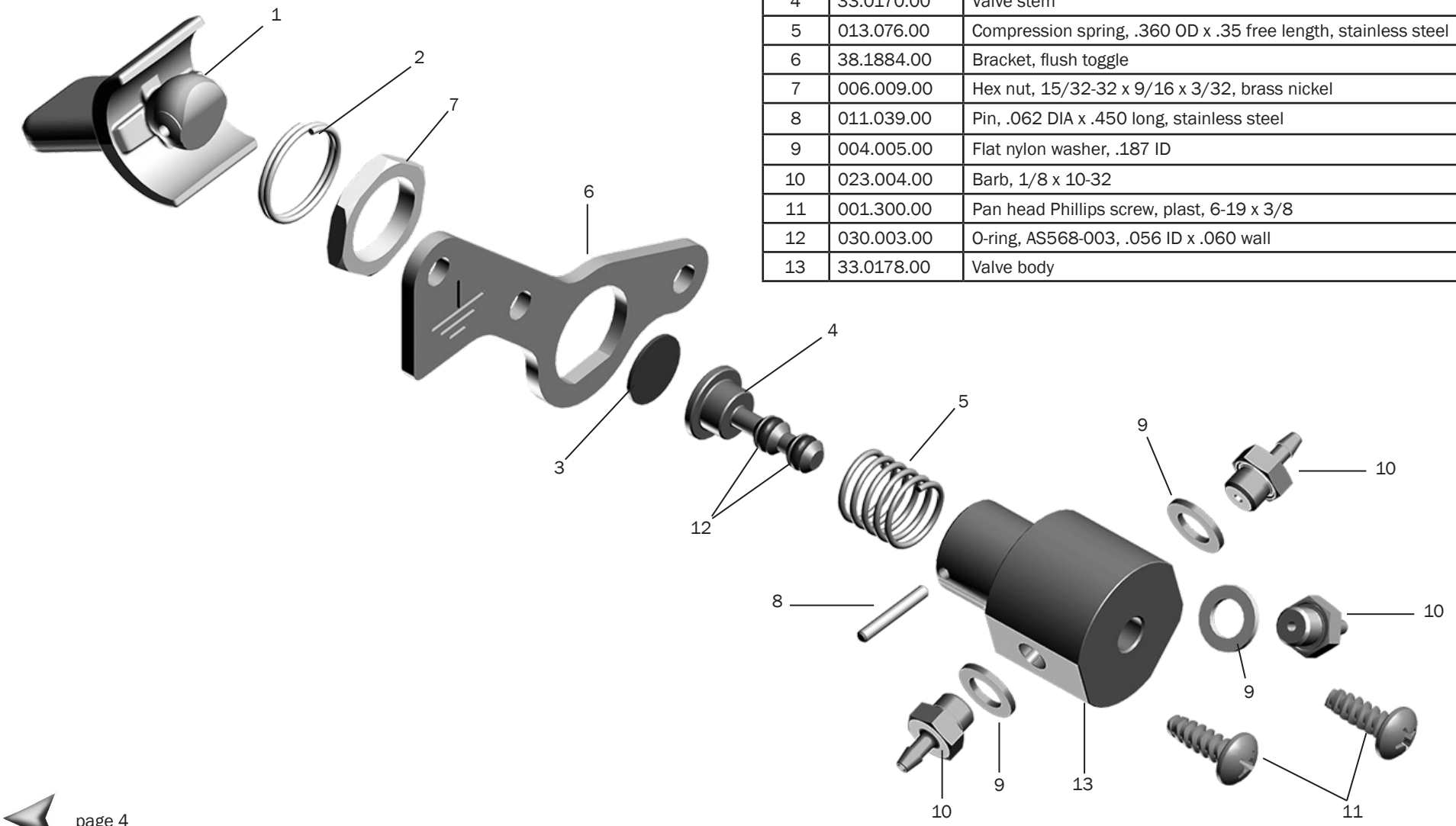
Flush Toggle Assembly 532/533

p/n: 33.0177.00

Item	Part Number	Description
1	38.1878.00	Flush toggle
2	010.089.00	Retainer spring
3	80.5025.00	Spacer
4	33.0170.00	Valve stem
5	013.076.00	Compression spring, .360 OD x .35 free length, stainless steel
6	38.1884.00	Bracket, flush toggle
7	006.009.00	Hex nut, 15/32-32 x 9/16 x 3/32, brass nickel
8	011.039.00	Pin, .062 DIA x .450 long, stainless steel
9	004.005.00	Flat nylon washer, .187 ID
10	023.004.00	Barb, 1/8 x 10-32
11	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
12	030.003.00	O-ring, AS568-003, .056 ID x .060 wall
13	33.0178.00	Valve body



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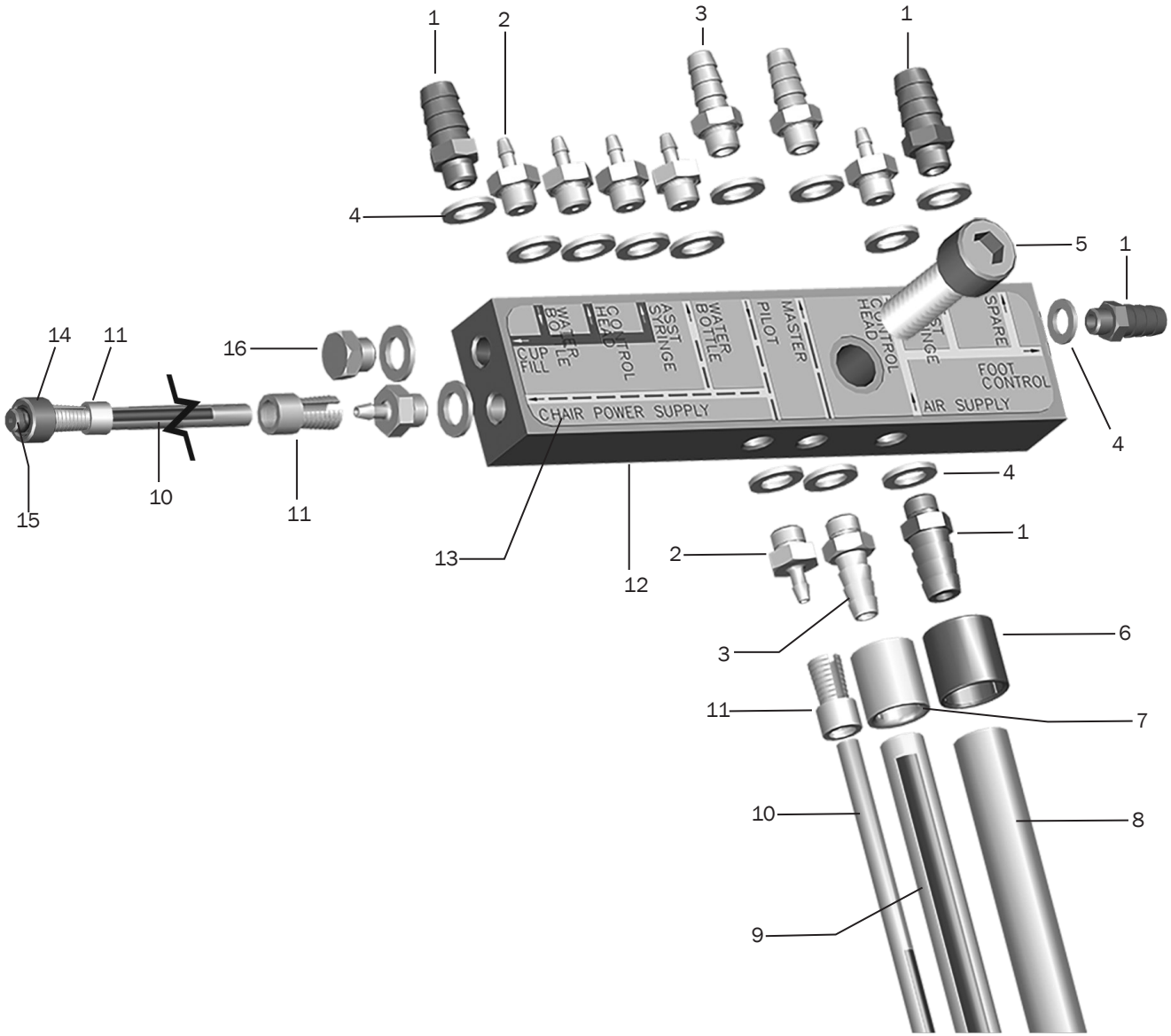
Air/Water Manifold Assembly 532/533

p/n: 38.1950.00

Item	Part Number	Description
1	028.805.01	Barb, 5/16 x 10-32, Pkg of 10
2	023.004.01	Barb, 1/8 x10-32, pkg of 10
3	023.001.03	Barb, 1/4 x 10-32, pkg of 10
4	004.005.02	Washer, pkg of 10
5	002.080.01	Socket head patch screw, 1/4-20 x 3/4 stainless steel
6	025.109.00	5/16" Sleeve clamp
7	025.015.00	1/4" Sleeve clamp
8	036.114.00	5/16" OD yellow tubing
9	036.042.00	1/4" OD yellow/red stripe tubing
10	036.009.00	1/8" OD yellow/red dash tubing
11	025.007.01	Uni-clamp, package of 10
12	38.1917.00	Manifold block
13	051.196.00	Label
14	023.083.00	1/8" QD retainer
15	023.084.00	1/8" Male barb QD w/O-ring
16	021.016.00	10-32 Hex head plug



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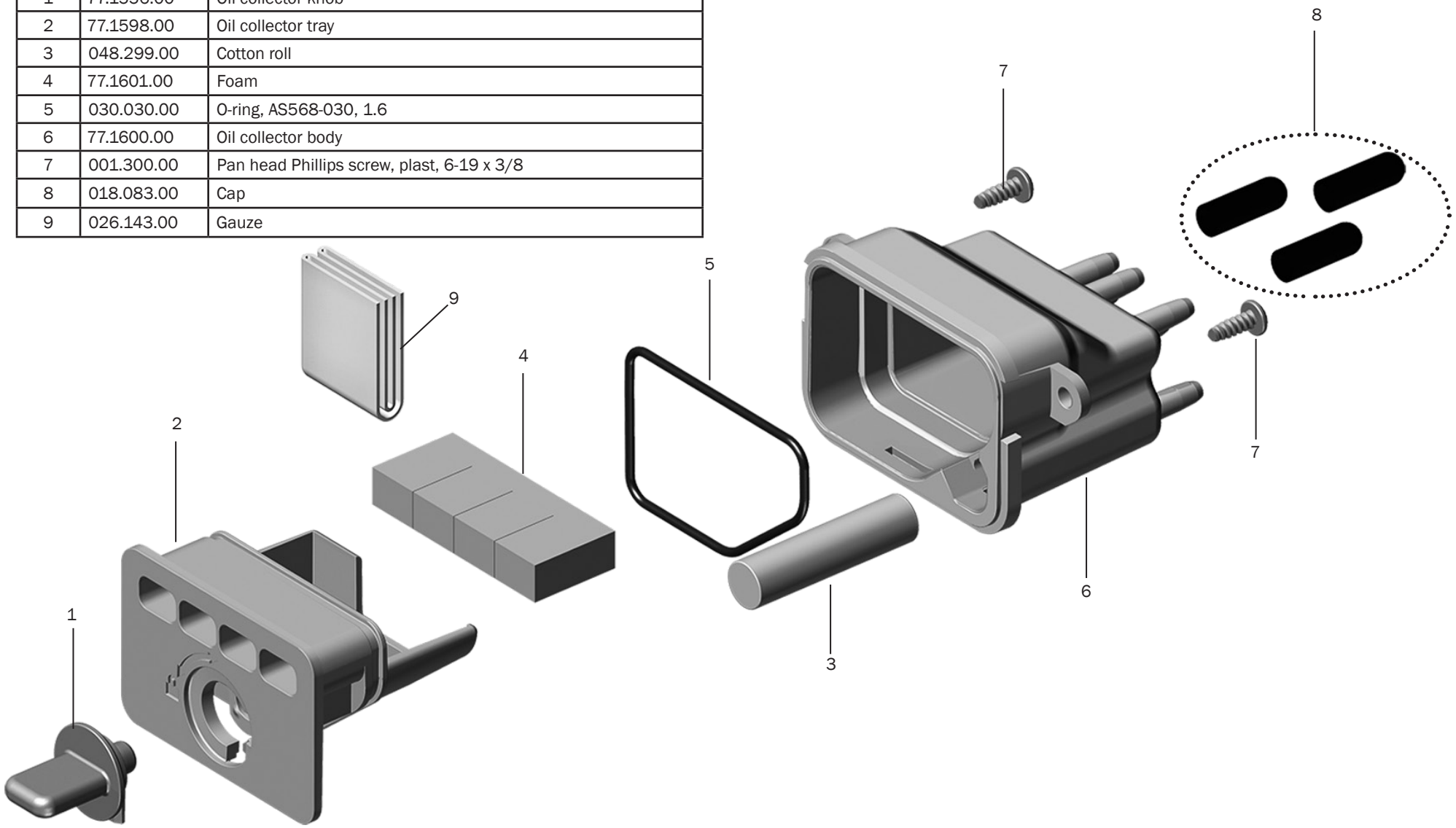
Oil Collector Assembly 532/533

Item	Part Number	Description
1	77.1556.00	Oil collector knob
2	77.1598.00	Oil collector tray
3	048.299.00	Cotton roll
4	77.1601.00	Foam
5	030.030.00	O-ring, AS568-030, 1.6
6	77.1600.00	Oil collector body
7	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
8	018.083.00	Cap
9	026.143.00	Gauze



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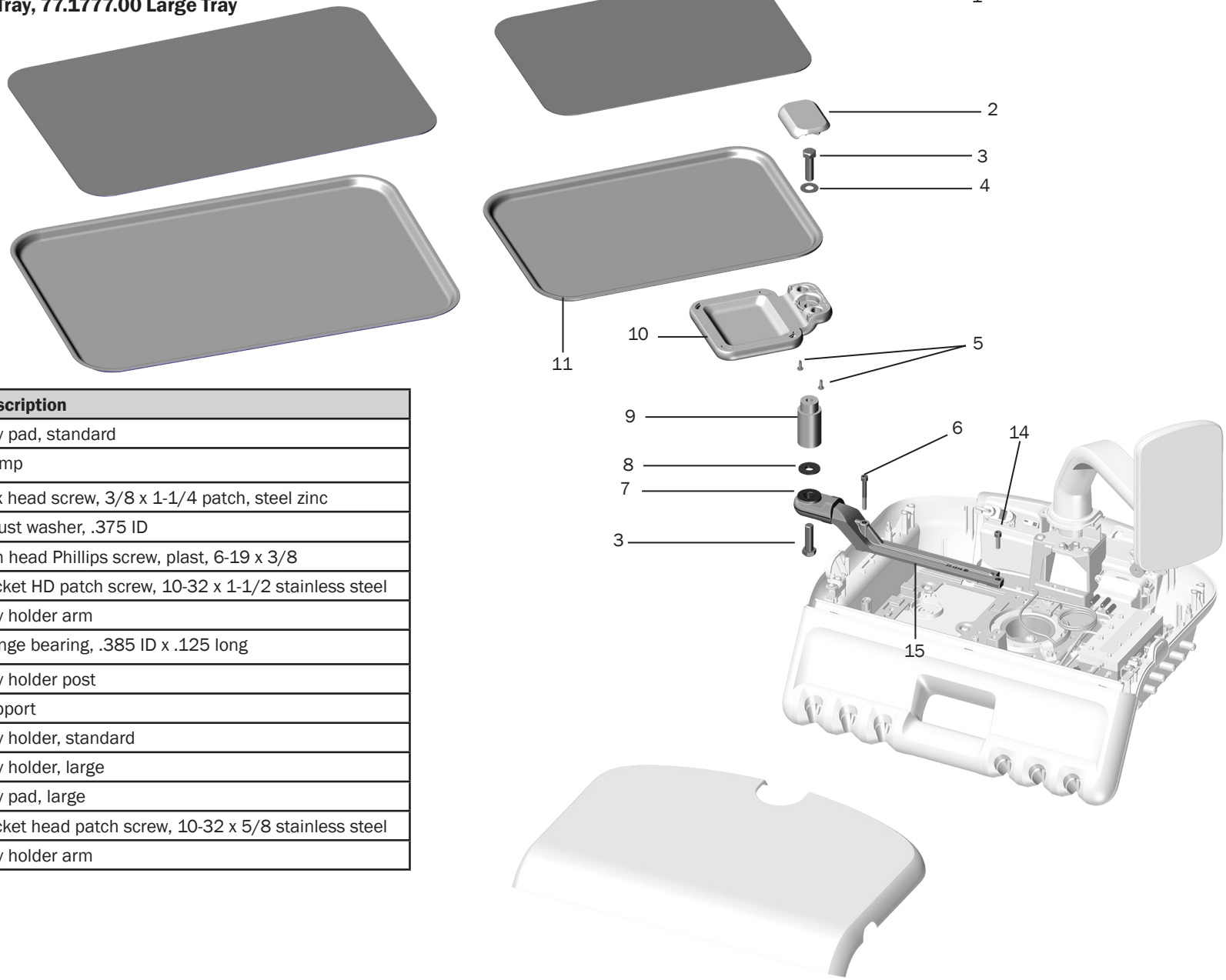
Tray Holder Assembly 532

p/n: 77.1776.00 Standard Tray, 77.1777.00 Large Tray



Item	Part Number	Description
1	77.1637.00	Tray pad, standard
2	77.1510.00	Clamp
3	002.023.01	Hex head screw, 3/8 x 1-1/4 patch, steel zinc
4	004.172.00	Thrust washer, .375 ID
5	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
6	002.051.01	Socket HD patch screw, 10-32 x 1-1/2 stainless steel
7	77.1701.00	Tray holder arm
8	004.270.00	Flange bearing, .385 ID x .125 long
9	77.1512.00	Tray holder post
10	77.1509.00	Support
11	77.1516.00	Tray holder, standard
12	77.1517.00	Tray holder, large
13	77.1687.00	Tray pad, large
14	001.088.01	Socket head patch screw, 10-32 x 5/8 stainless steel
15	77.1701.00	Tray holder arm

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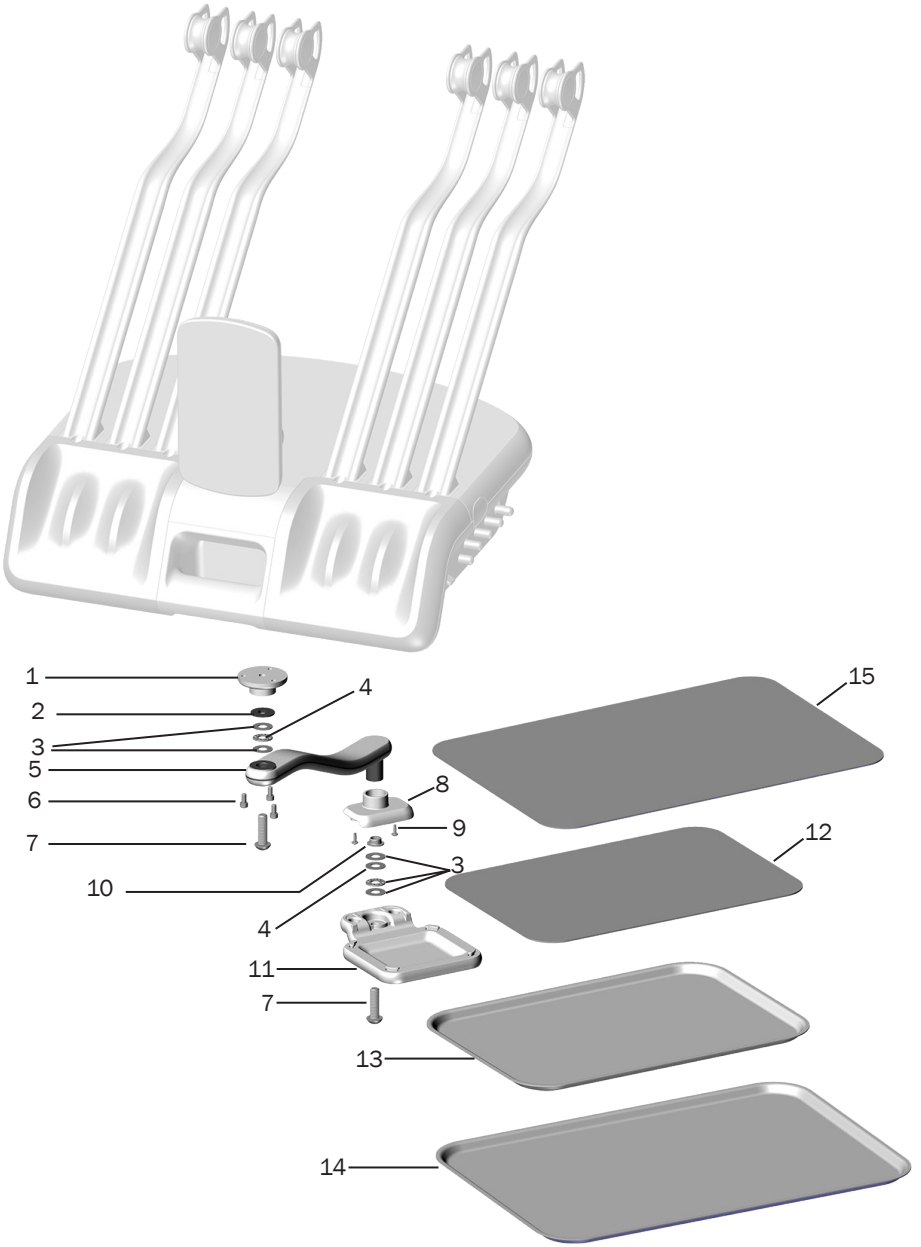
Tray Holder Assembly 533

p/n: 77.1778.00 Small Tray, 77.1779.00 Large Tray

Item	Part Number	Description
1	39.2031.00	Mount, tray holder, side
2	004.270.00	Flange bearing, .385 ID x .125 long
3	004.172.00	Thrust washer, .375 ID
4	016.102.00	Bearing, thrust, .375 ID x .802 OD x .0781 long
5	77.1700.00	Tray holder arm, 533B
6	001.016.01	Screw, socket head, 10- 32 x 3/8 patch, sst
7	002.174.00	Screw, button head socket, 3/8 - 16 x 1-1/4, sst
8	77.1650.00	Clamp, tray holder, bottom
9	001.300.00	Pan head Phillips screw, plast, 6-19 x 3/8
10	016.192.00	Bearing, flange .375 ID x .468 OD x .25 lg
11	77.1509.00	Support, tray holder
12	77.1637.00	Tray pad, standard
13	77.1516.00	Tray holder, standard
14	77.1517.00	Tray holder, large
15	77.1687.00	Tray pad, large



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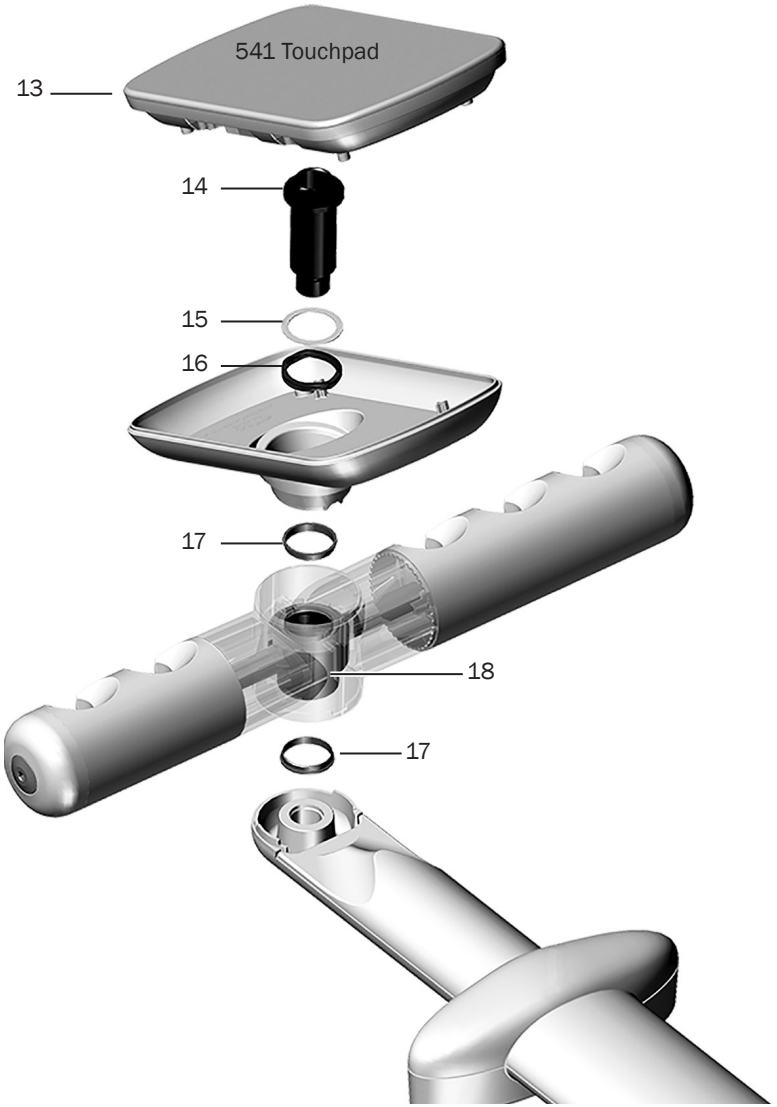
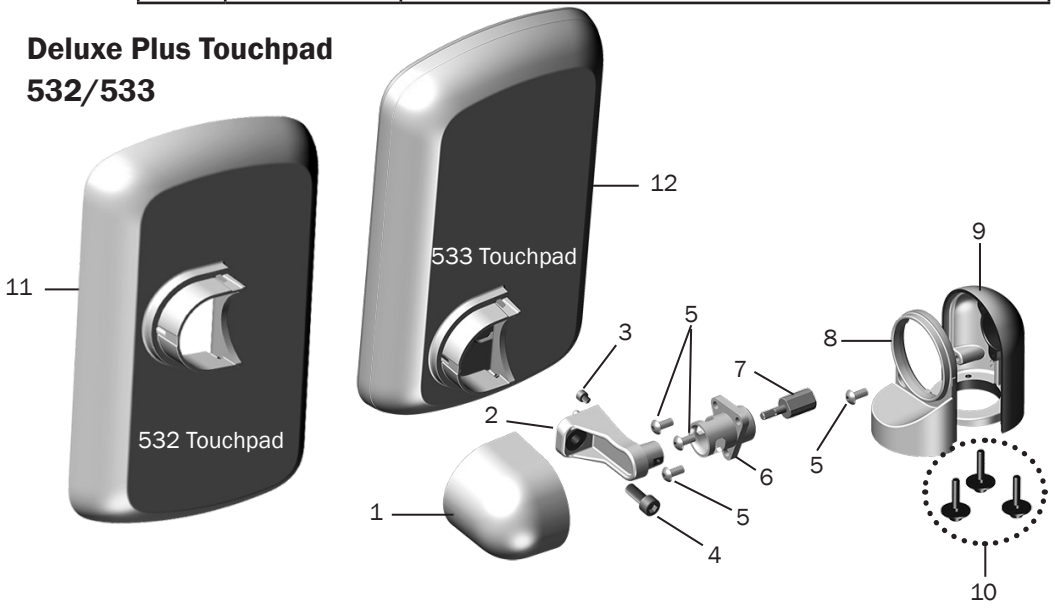
Deluxe Plus Touchpad Assembly 532/533/541

Deluxe Plus Touchpad 541



Item	Part Number	Description
1	77.1501.00	Removable tilt pivot cover
2	77.1696.00	Tilt pivot
3	002.145.00	Socket head patch screw, 4-40 x 1/8 steel
4	002.135.01	Socket head patch screw, 10-32 x 1/2 stainless steel
5	001.103.01	Button head socket patch screw, 6-32 x 5/16 stainless steel
6	77.1697.00	Carrier
7	77.1635.00	Torque insert, 1.5 Nm
8	77.1502.00	Pivot housing cover
9	77.1695.00	Pivot housing
10	005.161.00	Socket head screw with washer, 6-32 - 5/8 stainless steel
11	90.1708.00	Deluxe touchpad kit, 532B
12	90.1707.00	Deluxe touchpad kit, 533B
13	90.1706.00	Deluxe touchpad kit, 541B
14	99.0700.00	Bolt
15	004.060.00	Washer
16	004.237.00	Wave washer
17	99.0698.00	Bearing
18	99.0699.00	Inner hub

Deluxe Plus Touchpad 532/533



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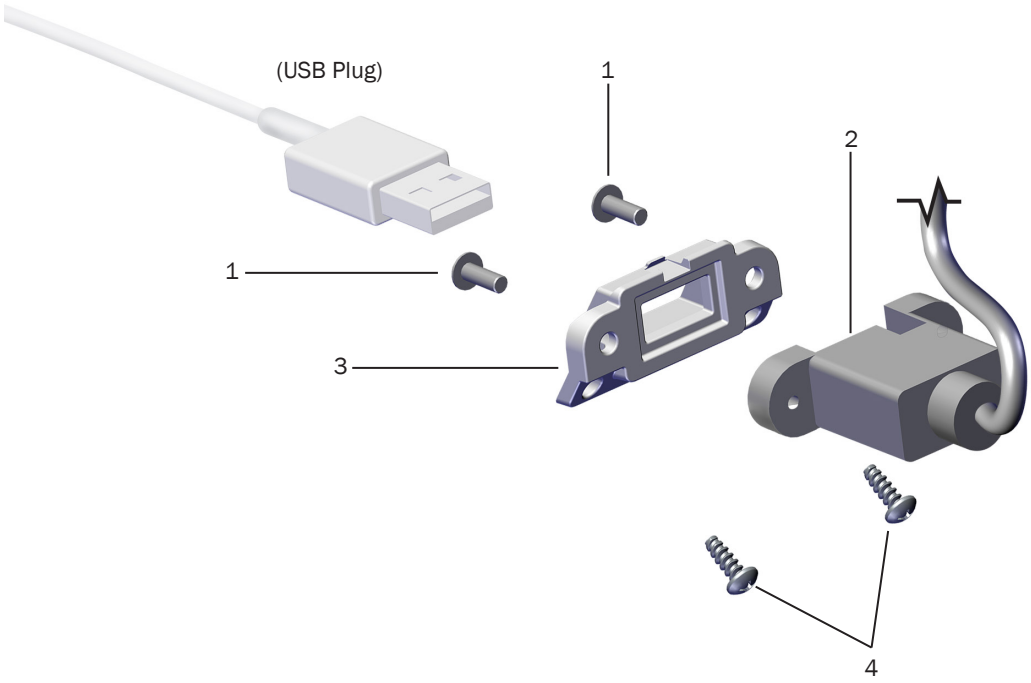
USB Assembly 532/533

Item	Part Number	Description
1	002.097.00	Button head socket screw, special, 4-40 x 5/16, stainless steel
2	041.817.00 041.817.01	Type A female to male panel mount USB, 18" Type A female to male panel mount USB, 40"
3	77.1691.00	USB adaptor
4	001.306.00	Pan head tap screw, 4-20 x 5/16, zinc



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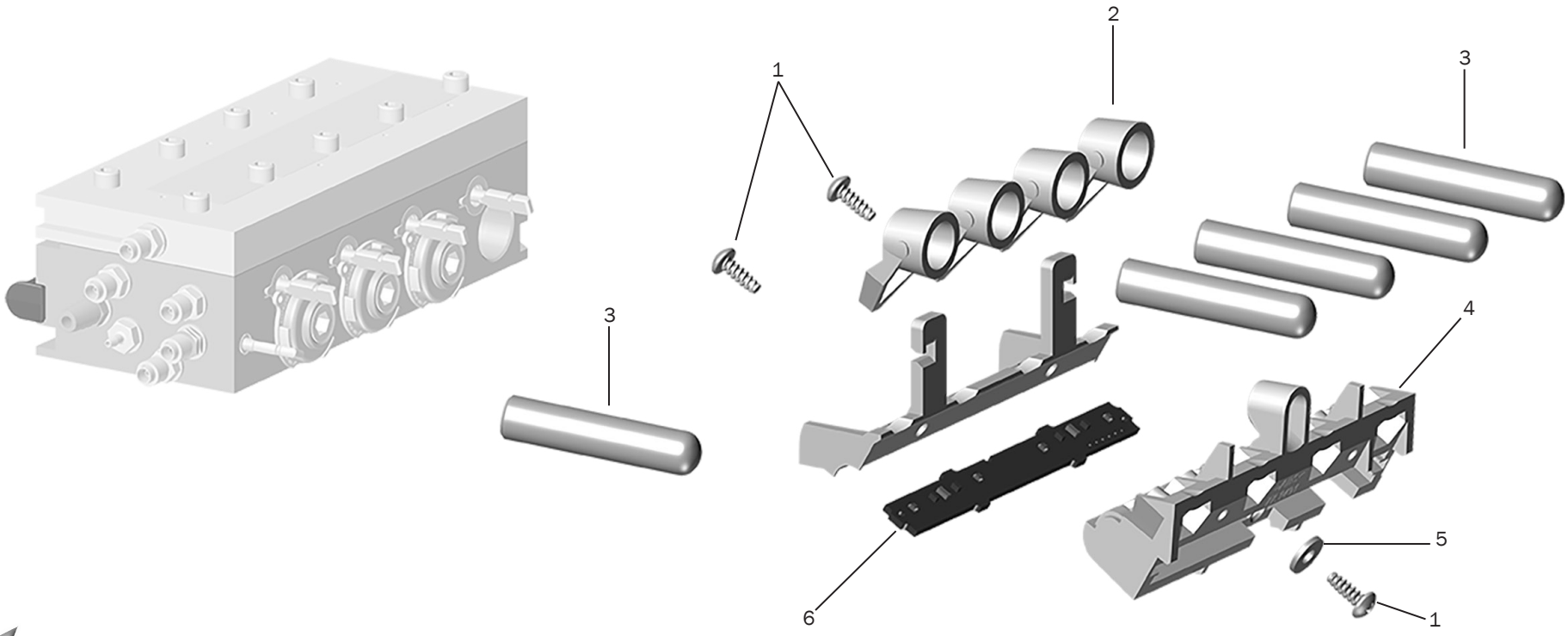
LED Indicator Assembly 533

p/n 90.1728.00

Item	Part Number	Description
1	001.300.00	Plastic pan head Phillips screw, 6-19 x 3/8
2	77.1492.00	Guide
3	77.1493.00	Coolant adjust knob
4	77.1491.00	Chassis
5	004.012.00	Flat washer, .156 ID
6	43.0411.00	PCB assembly



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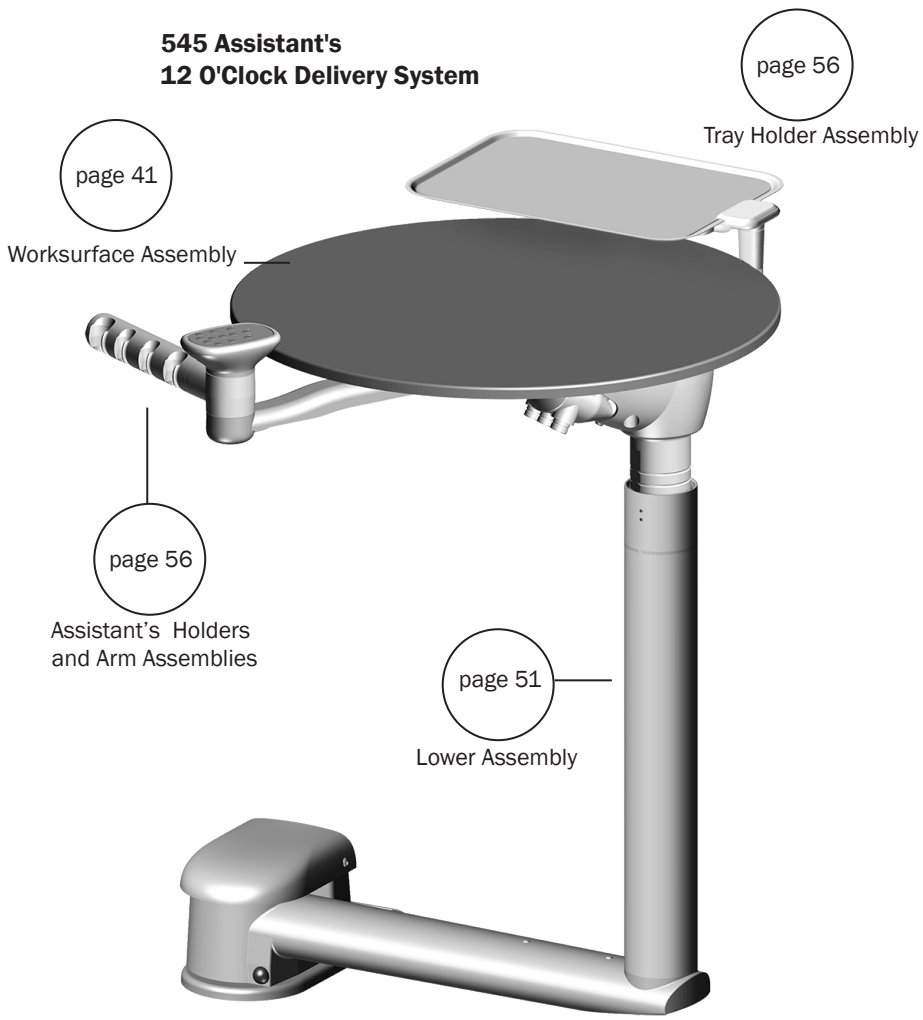
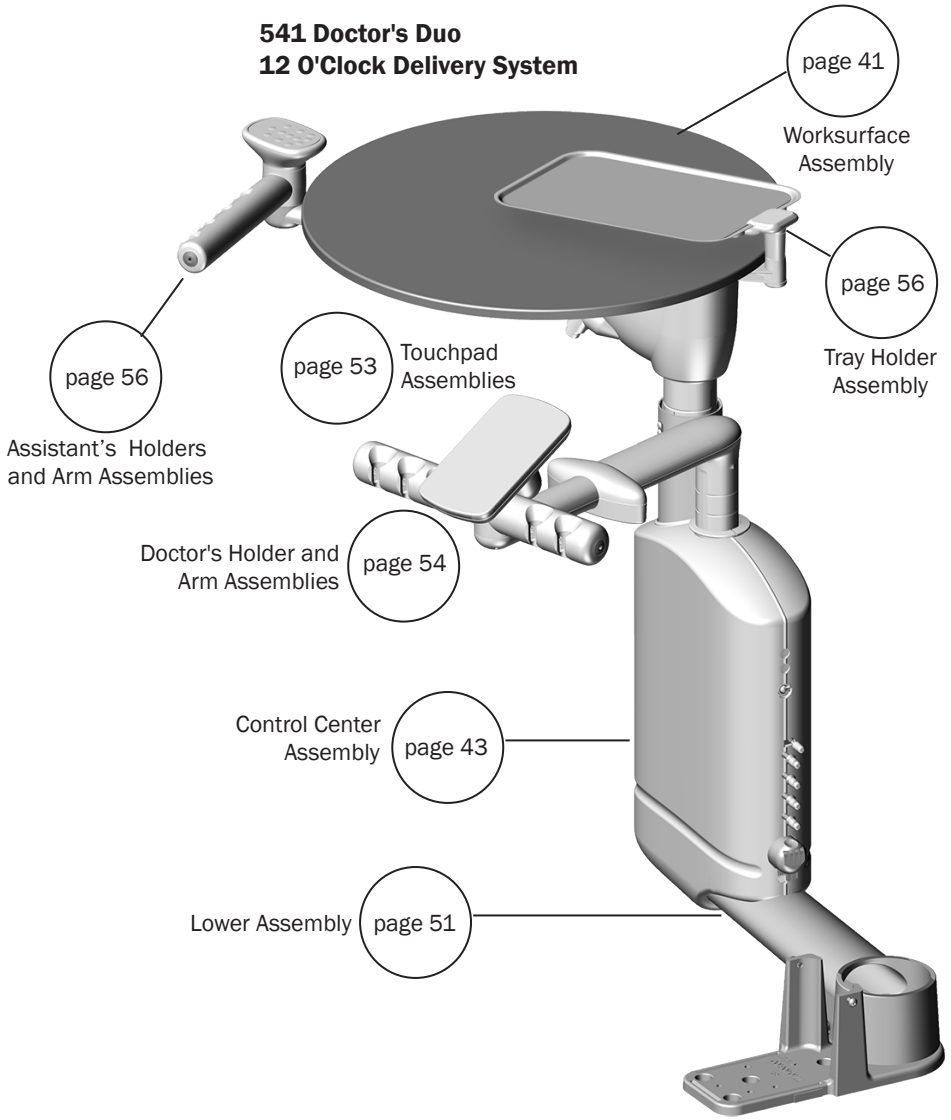
Assistant's Instrumentation 545/Duo Delivery System 541





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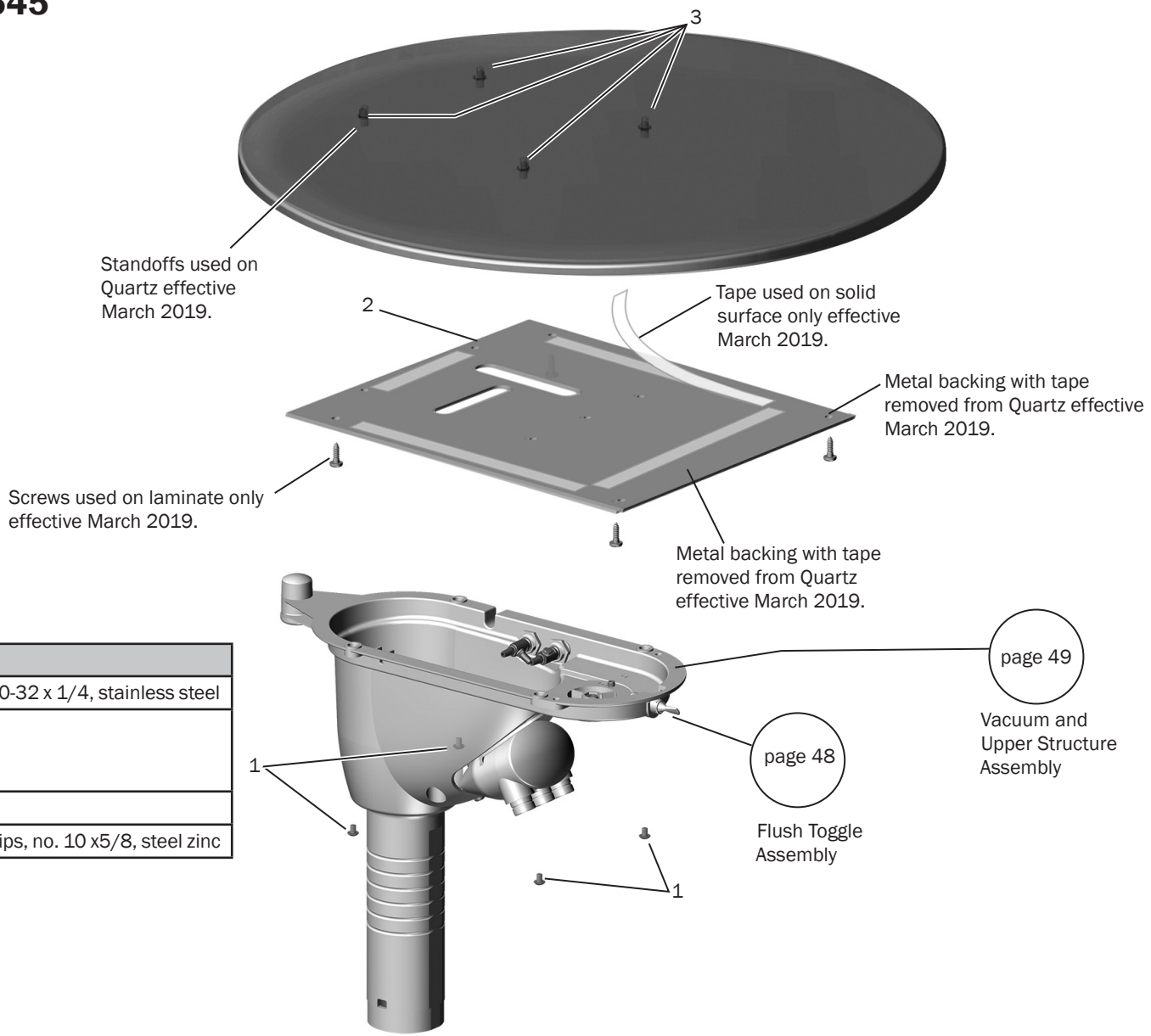
Worksurface Assembly 541/545



Item	Part Number	Description
1	002.094.02	Screw, button head socket, 10-32 x 1/4, stainless steel
2	77.0414.01 and 060.022.00	Work surface back with tape
3	77.1843.00	Mounting standoff
4	003.005.00	Screw, pan head, metal, Phillips, no. 10 x5/8, steel zinc

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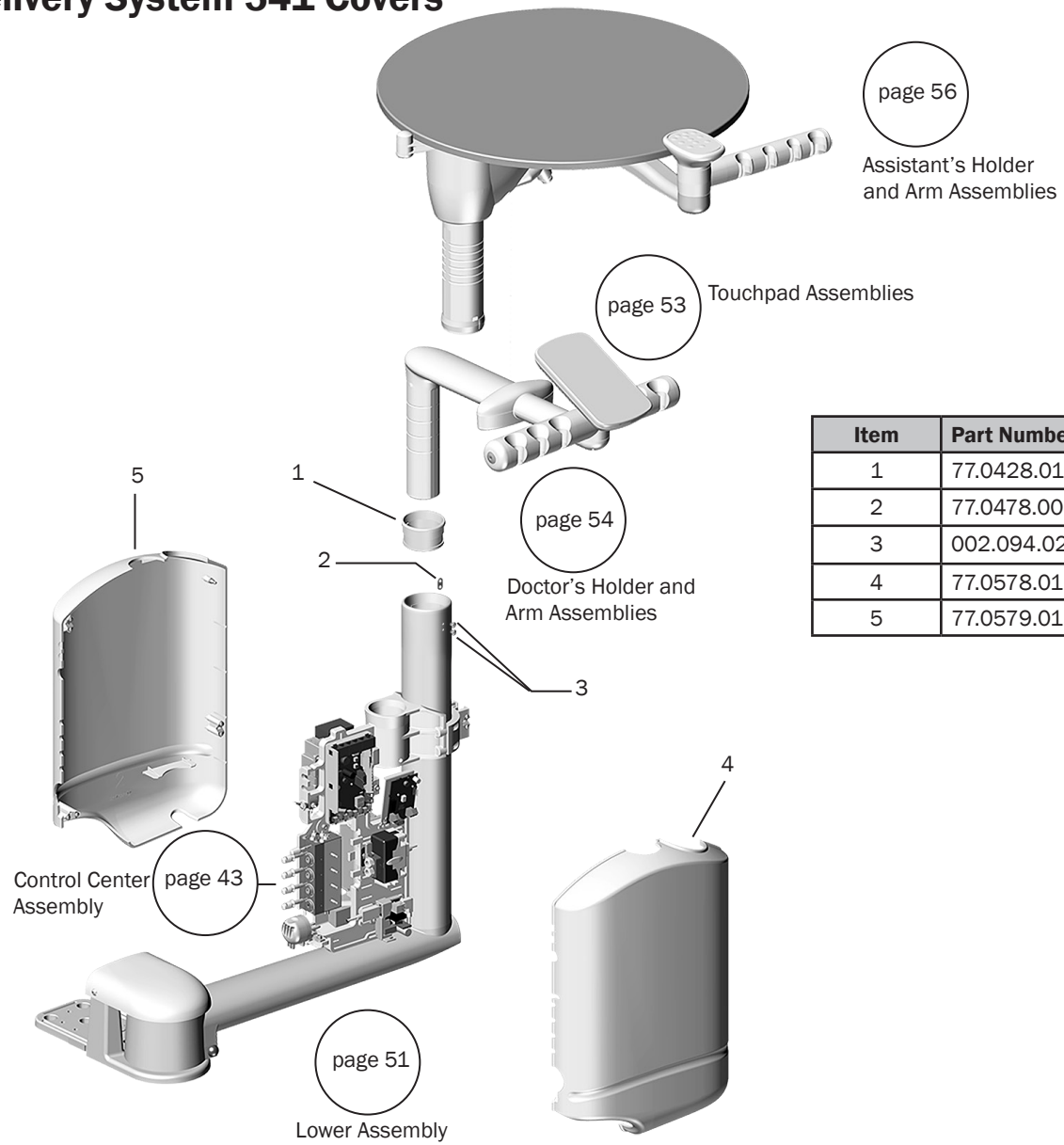
Duo Delivery System 541 Covers



Item	Part Number	Description
1	77.0428.01	Height adjustment ring, white
2	77.0478.00	Stop washer
3	002.094.02	Screw, button head socket, 10-32 x 1/4, stainless steel
4	77.0578.01	Left doctor's cover assembly, white
5	77.0579.01	Right cover assembly, white

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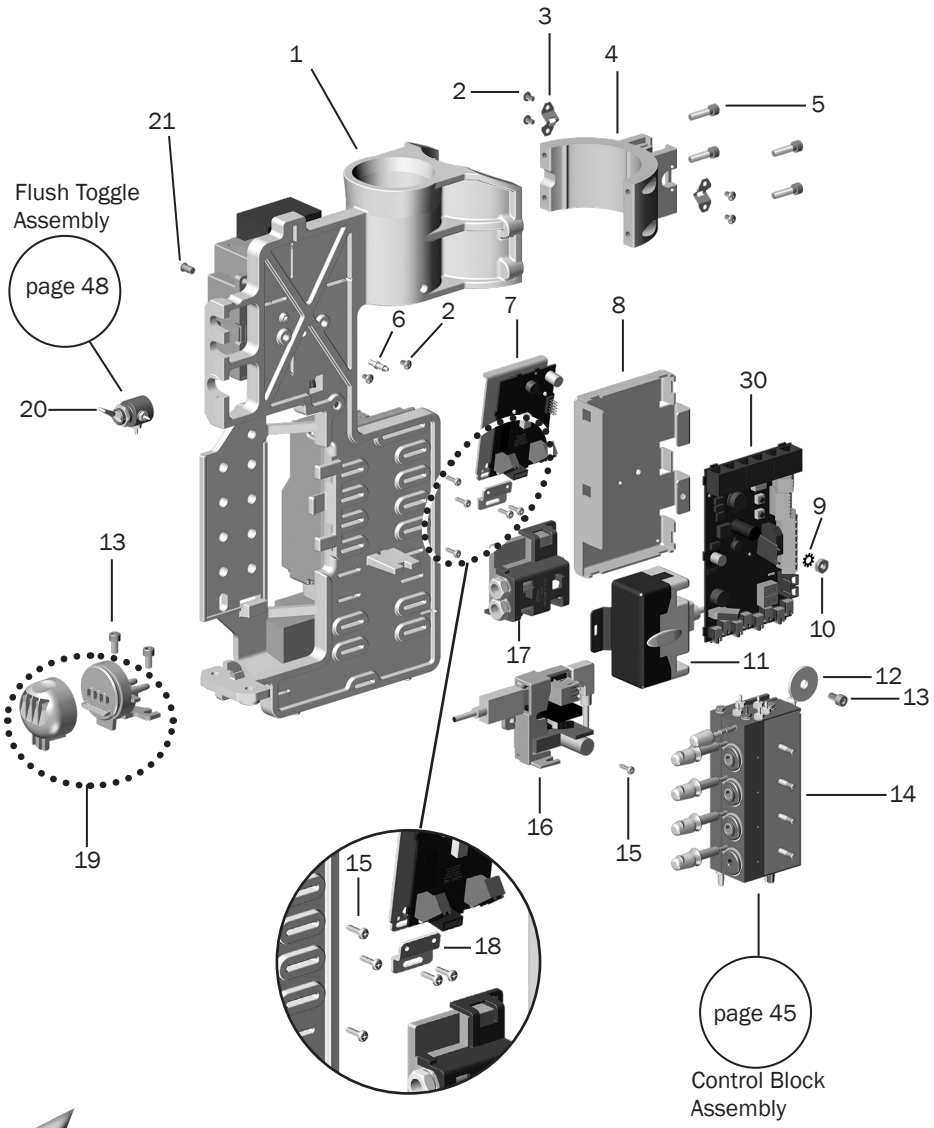
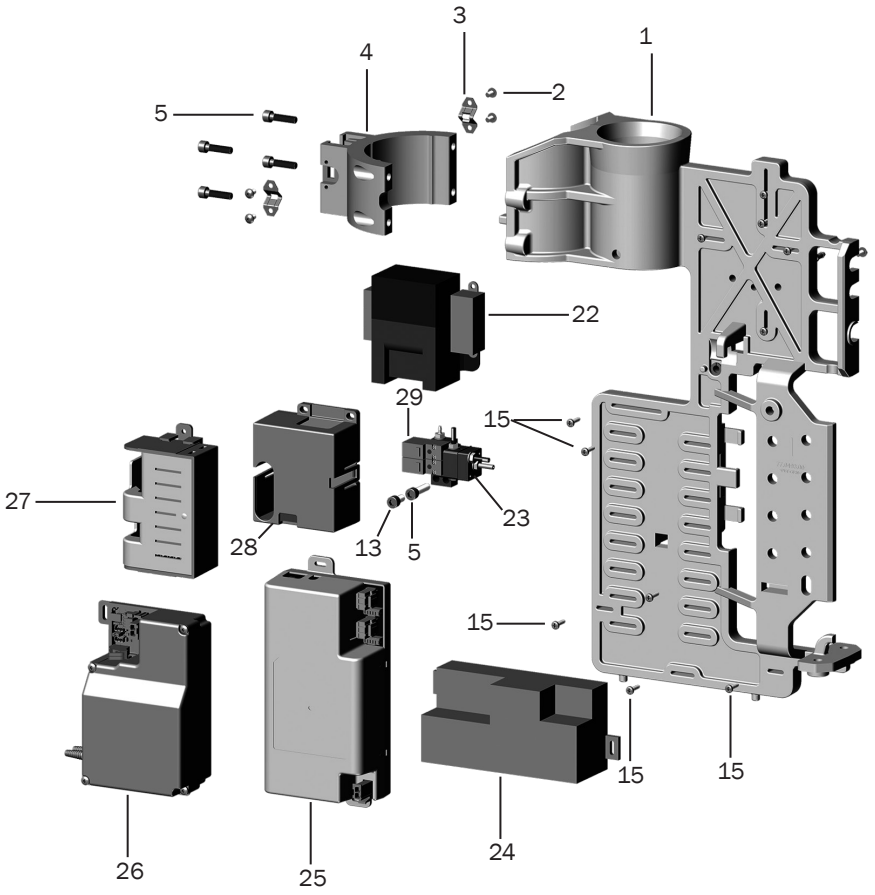
Control Center 541





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Control Center 541

Item	Part Number	Description
1	77.0493.00	Frame
2	002.140.00	Button head socket patch screw, 6-32 x 1/4 stainless steel
3	042.221.00	Ball snap spring
4	77.0431.00	Clamp
5	002.073.00	Socket head screw, 10-32 x 3/4 stainless steel
6	041.662.00	Standoff
7	23.1314.00?	Warm water controller
8	77.0384.00	PCB Tray
9	004.076.00	External tooth lock washer, No. 10, steel zinc
10	006.002.00	Hex nut, 10-32 x 3/8 x 1/8, steel zinc
11	-	Curing light module
12	004.156.00	Flat washer, .261 ID x 1 OD x .090, aluminum
13	002.130.00	Socket head screw, 10-32 x 3/8, stainless steel
14	38.1943.00	541 Control block assembly
15	003.031.00	Pan head Phillips screw, No. 4 x 1/2, steel zinc

Item	Part Number	Description
16	-	USB assembly
17	54.0584.00	Mini dock camera, USB
18	43.0498.00	Adapter bracket
19	77.0059.01	Oil collector
20	33.0168.00	Flush toggle assembly
21	038.017.00	Self-clinch stud, 10-32 x 3/8 long, stainless steel
22	-	Satalec Newtron scaler controller
23	43.0057.00	Relay assembly
24	54.0680.01	W&H CM-2.2 control module
25	-	NSK NLZ motor controller module
26	54.0664.01	W&H Advanced air module
27	54.0582.00	Acteon-Newtron CAN.1
28	-	Cavitron scaler
29	-	Dual manifold
30	-	PCB assembly 2

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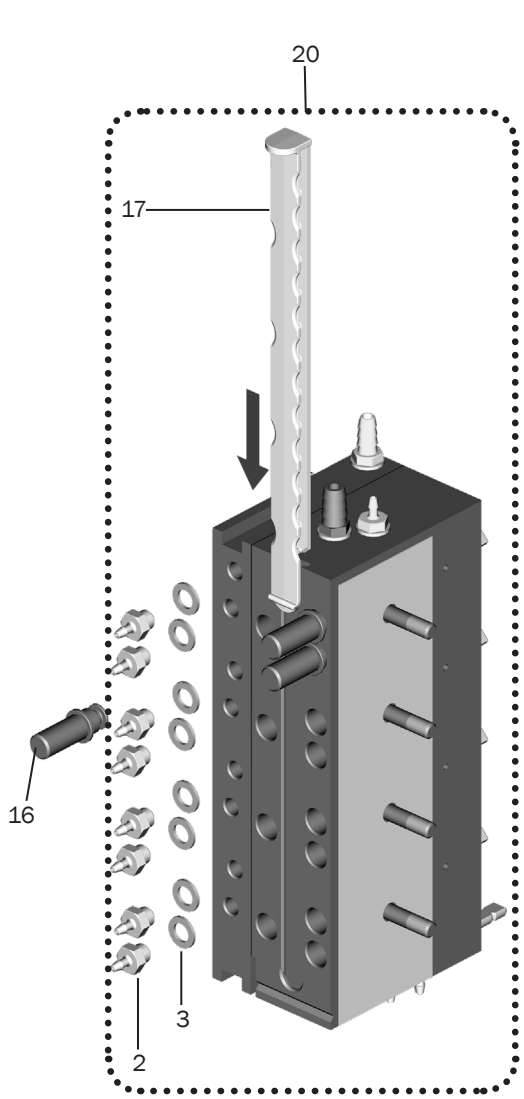
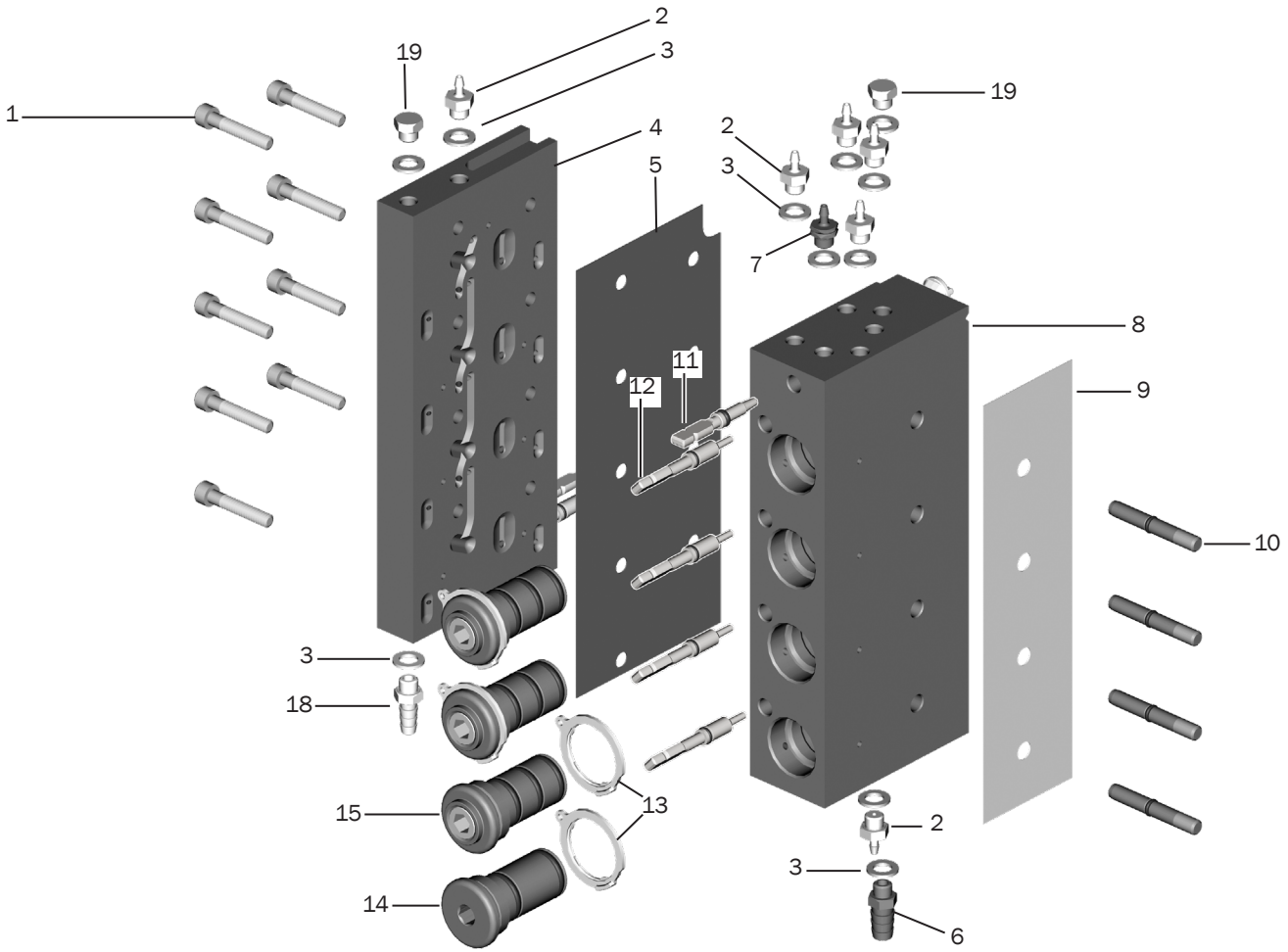
Control Block Assembly 541





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Control Block Assembly 541

Item	Part Number	Description
1	001.240.00	Socket head screw, 6-32 x 3/4 stainless steel
2	023.004.03	Barb, 1/8 x 10-32, package of 10
3	004.005.02	Flat nylon washer, .187 ID, package of 10
4	38.1778.00	Control block cap
5	38.1787.01	Control block diaphragm, package of 5
6	023.805.01	Barb, 5/6 x 10-32, package of 10
7	023.811.00	Restrictor barb, .018, 1/8 x 10-12
8	38.1777.00	Control block
9	051.710.00	Label
10	38.1785.01	Drive air stem with O-ring
11	38.1825.00	Air coolant stem with O-ring, effective 8/15/17
12	38.1824.00	Water coolant stem with O-ring, effective 8/15/17
13	38.1799.01	Retaining ring, package of 5 (part of the water cartridge assemblies - items 14 and 15)
14	38.1783.00 (includes item 13)	Dry water cartridge assembly
15	38.1780.00 (includes item 13)	Water cartridge assembly
16	026.160.01	QD plug with O-ring, package of 5
17	38.1800.00	Barb retainer
18	023.001.00	1/4" Barb, 10-32
19	021.016.04	Hex head plug, 10-32, package of 10
20	38.1943.00	Control block assembly, 541

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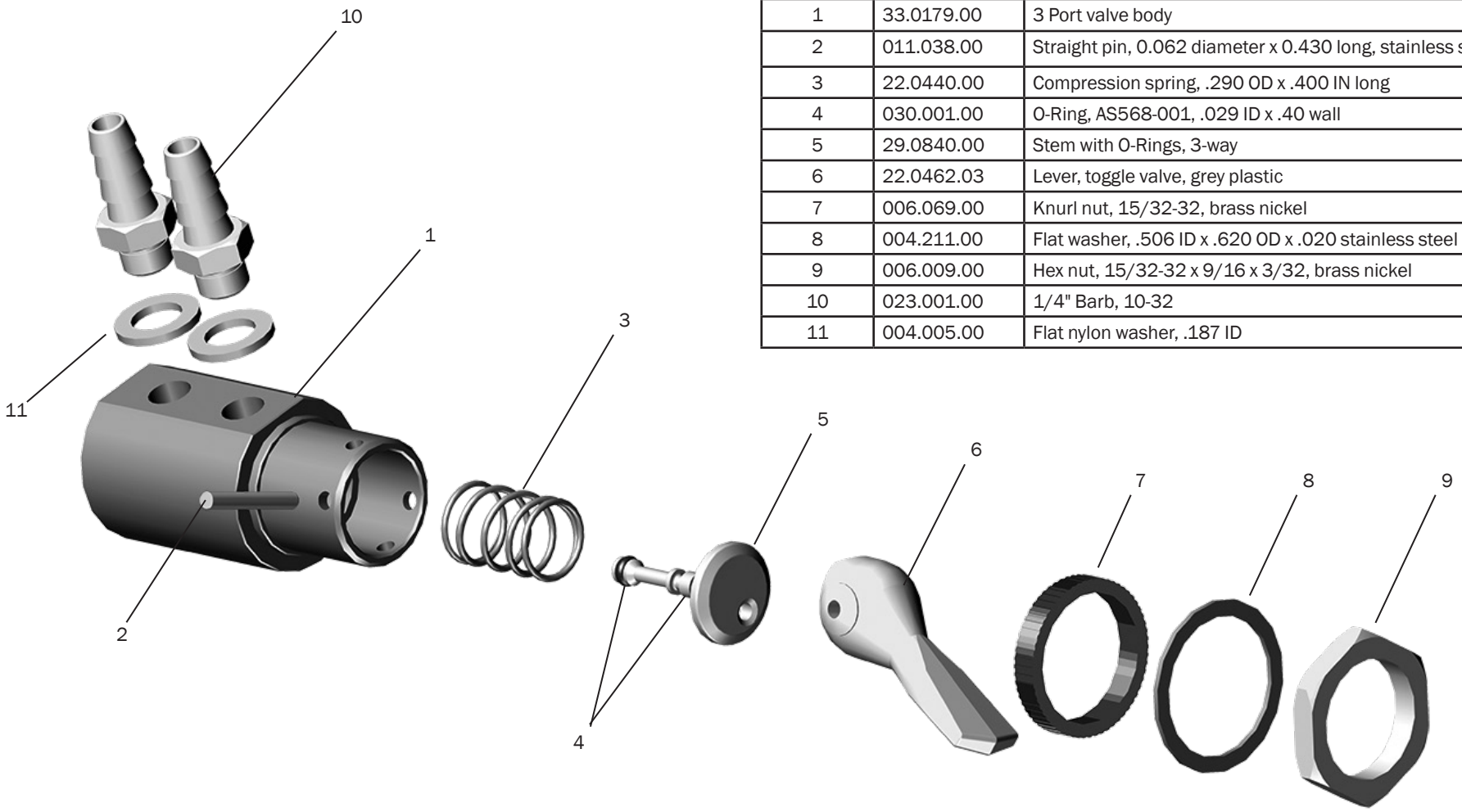
Master Toggle 541

p/n 33.0182.01.01



Item	Part Number	Description
1	33.0179.00	3 Port valve body
2	011.038.00	Straight pin, 0.062 diameter x 0.430 long, stainless steel
3	22.0440.00	Compression spring, .290 OD x .400 IN long
4	030.001.00	O-Ring, AS568-001, .029 ID x .40 wall
5	29.0840.00	Stem with O-Rings, 3-way
6	22.0462.03	Lever, toggle valve, grey plastic
7	006.069.00	Knurl nut, 15/32-32, brass nickel
8	004.211.00	Flat washer, .506 ID x .620 OD x .020 stainless steel
9	006.009.00	Hex nut, 15/32-32 x 9/16 x 3/32, brass nickel
10	023.001.00	1/4" Barb, 10-32
11	004.005.00	Flat nylon washer, .187 ID

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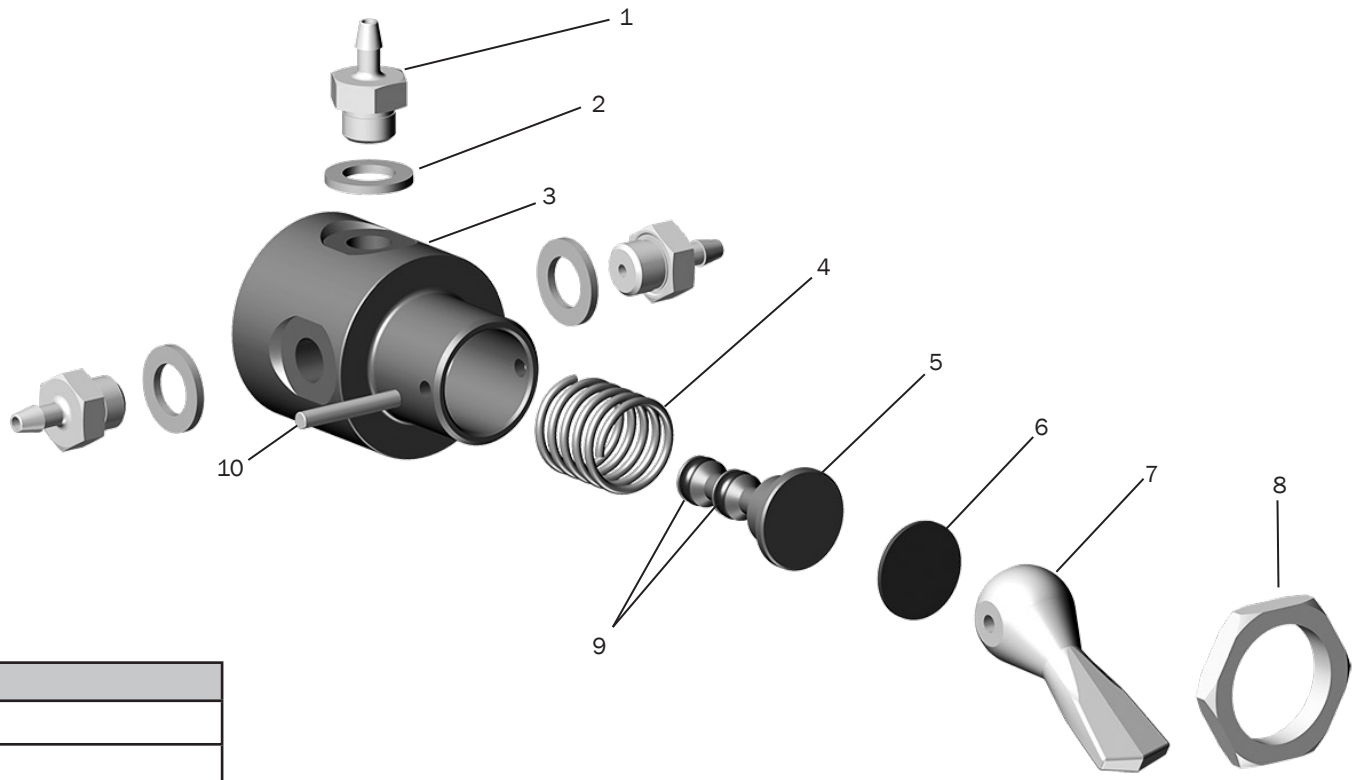
Flush Toggle 541

p/n 90.1733.00



Item	Part Number	Description
1	023.004.00	1/8" Barb
2	004.005.00	Washer
3	33.0169.00	Body
4	013.076.00	Spring
5	33.0170.00	Stem
6	80.5025.00	Spacer
7	33.0036.03 33.0036.02	Toggle, gray Toggle, surf
8	006.009.00	Nut
9	030.003.00	O-ring
10	011.038.00	Pin

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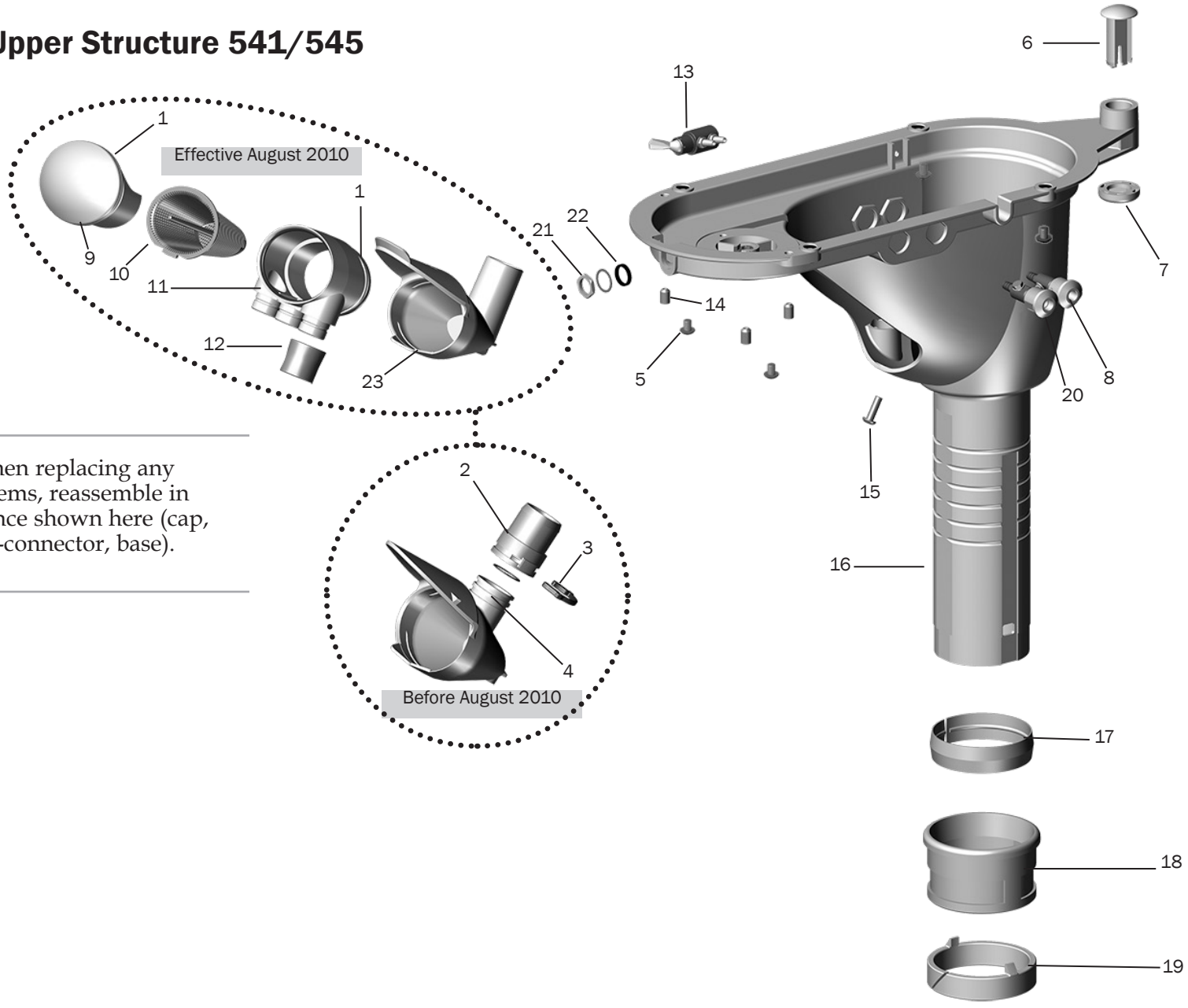
Vacuum and Upper Structure 541/545



NOTE When replacing any of these items, reassemble in the sequence shown here (cap, screen, tri-connector, base).

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Vacuum and Upper Structure 541/545

Item	Part Number	Description
1	030.035.02	O-ring, 2.239 ID x .070 W, pkg of 10
2	022.094.01	Connector, vacuum, female, 25 mm tubing, with clip
3	022.090.00	Retainer clip, connector vacuum
4	035.053.01	O-ring, silicone, vacuum, 20 mm x 2 mm, pkg of 10
5	002.094.02	Screw, button head, 6-32 x 1/4
6	77.0542.01 77.0542.00	Plug, assistant's support, white Plug, assistant's support, surf
7	77.0541.01 77.0541.00	Bumper, assistant's support, white Bumper, assistant's support, surf
8	026.181.00	QD assembly, self-contained water 5/16, female (optional)
9	77.0254.03 77.0254.01	Cap, vacuum tower, with deflector and O-ring, white Cap, vacuum tower, with deflector and O-ring, surf
10	11.1284.01	Screen, ellipse, solids trap, pkg of 10
11	77.0453.01 77.0453.00	Connector, tri-vacuum tower, assistant's arm with O-ring, white Connector, tri-vacuum tower, assistant's arm with O-ring, surf
12	11.1280.02 11.1280.01	Cap, 15 mm QD, gray Cap, 15 mm QD, surf

Item	Part Number	Description
13	33.0182.01	3-Way toggle valve assembly, gray
14	007.042.00	Setscrew, socket cup point, 1/4-20 x 3/8
15	005.123.01	Screw, button head socket, 10-32 x 5/8
16	77.0419.02 77.0419.01	Assistant's worksurface support, white Assistant's worksurface support, surf
17	77.0415.01 77.0415.00	Height adjustment ring, white Height adjustment ring, surf
18	77.0417.01 77.0417.00	Bushing height adjust-upper, white Bushing height adjust-upper, surf
19	77.0416.00	Bushing height adjust-lower
20	026.182.00	QD assembly, female, air, 5/16 (optional)
21	006.009.00	Hex nut, 15/32-32" x 9/16 x 3/32"
22	006.069.00	Knurl nut, 15/32-32"
23	77.1104.01 77.1104.00	Vacuum canister base, white Vacuum canister base, surf

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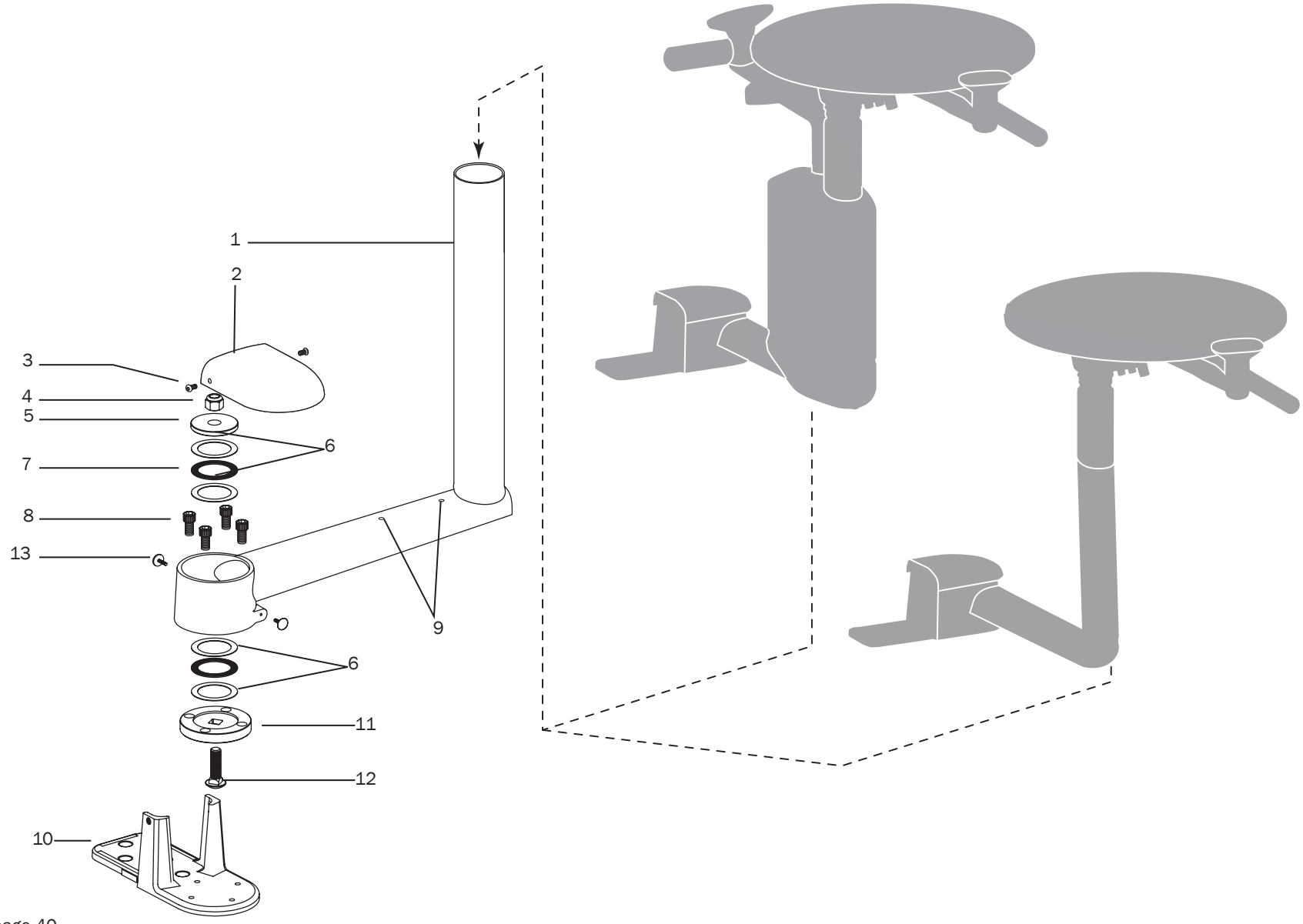
Lower Assembly 541/545



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Lower Assembly 541/545

Item	Part Number	Description
1	77.0506.01 77.0506.00	541 and 545 post mount, white 541 and 545 post mount, surf
2	77.0455.01 77.0455.00	Hub cover, white Hub cover, surf
3	005.002.00	Button head socket screw, 1/4-20 x 5/8
4	006.157.00	Nut, 5/8 " nylon insert
5	77.0407.00	Bearing cap
6	016.108.00	Thrust bearing
7	016.044.00	Thrust needle bearing
8	001.225.00	Socket head screw, 3/8-16 x 3/4, grade 8
9	018.035.03 018.035.02	Hole plug, white Hole plug, surf
10	56.0956.03	Floor mount
11	77.0405.00	Gimble plate
12	005.030.00	Carriage bolt
13	017.028.00	Bumper

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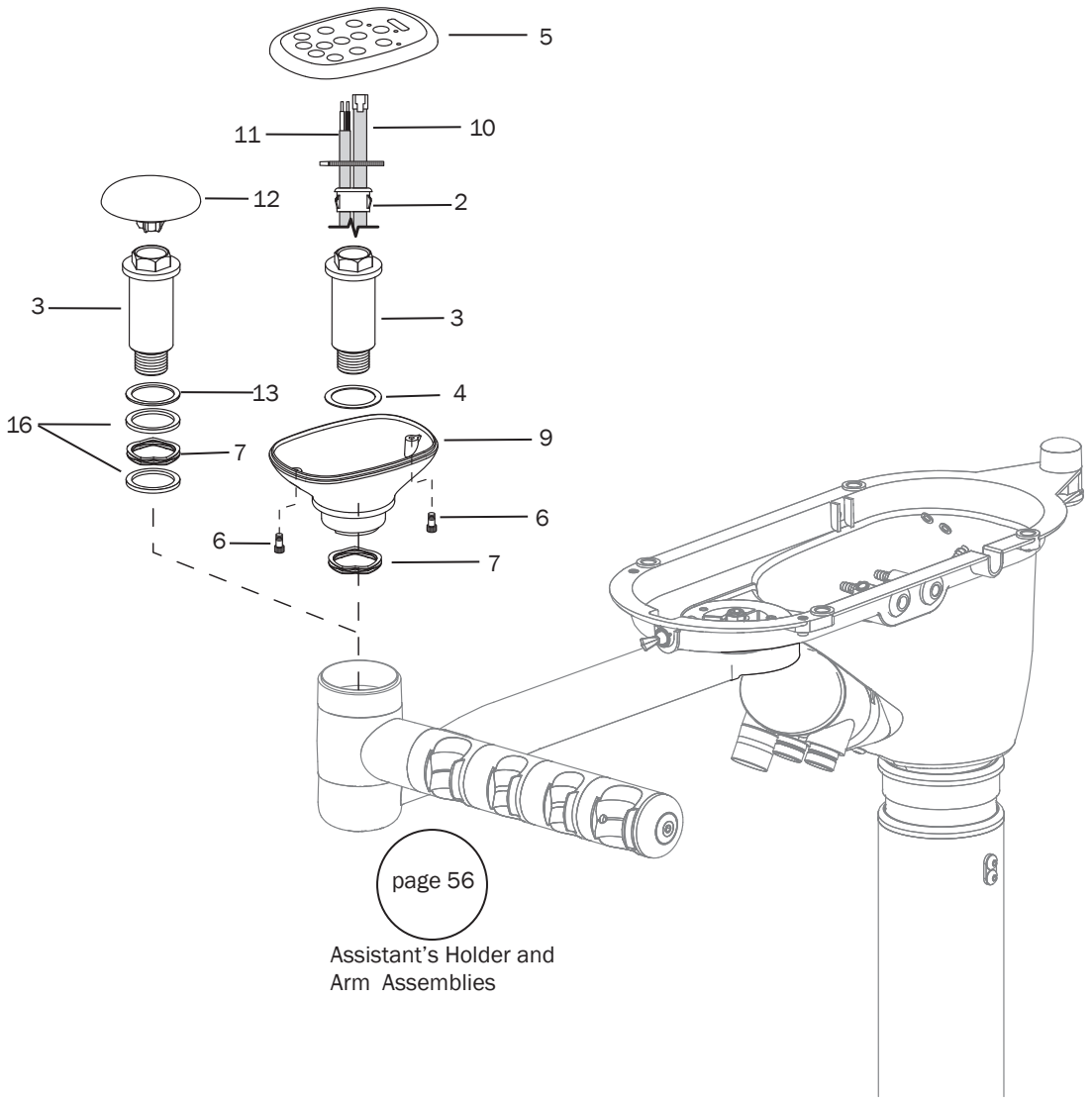
Touchpad Assemblies 545

Item	Part Number	Description
2	041.663.00	Cable bushing, 7/16 ID
3	99.0700.00	Bolt, holder turret, 1 piece
4	004.060.00	Washer, .875 x 1.125 x .020 thick
5	90.1078.01	545 standard touchpad cover and PCB, white
6	003.078.00	Screw, socket head, 4-40 x 1/4
7	004.237.00	Washer, wave, spring, 1.125 OD
9	77.0335.01	Base, touchpad, standard, white
10	041.637.06	Data cable
11	43.0090.01	Power cable, 42"
12	77.0413.01	Cap, assistant's side, white
13	004.238.00	Washer
16	77.0124.00	Spacer



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Assistant's Holder and Arm Assemblies

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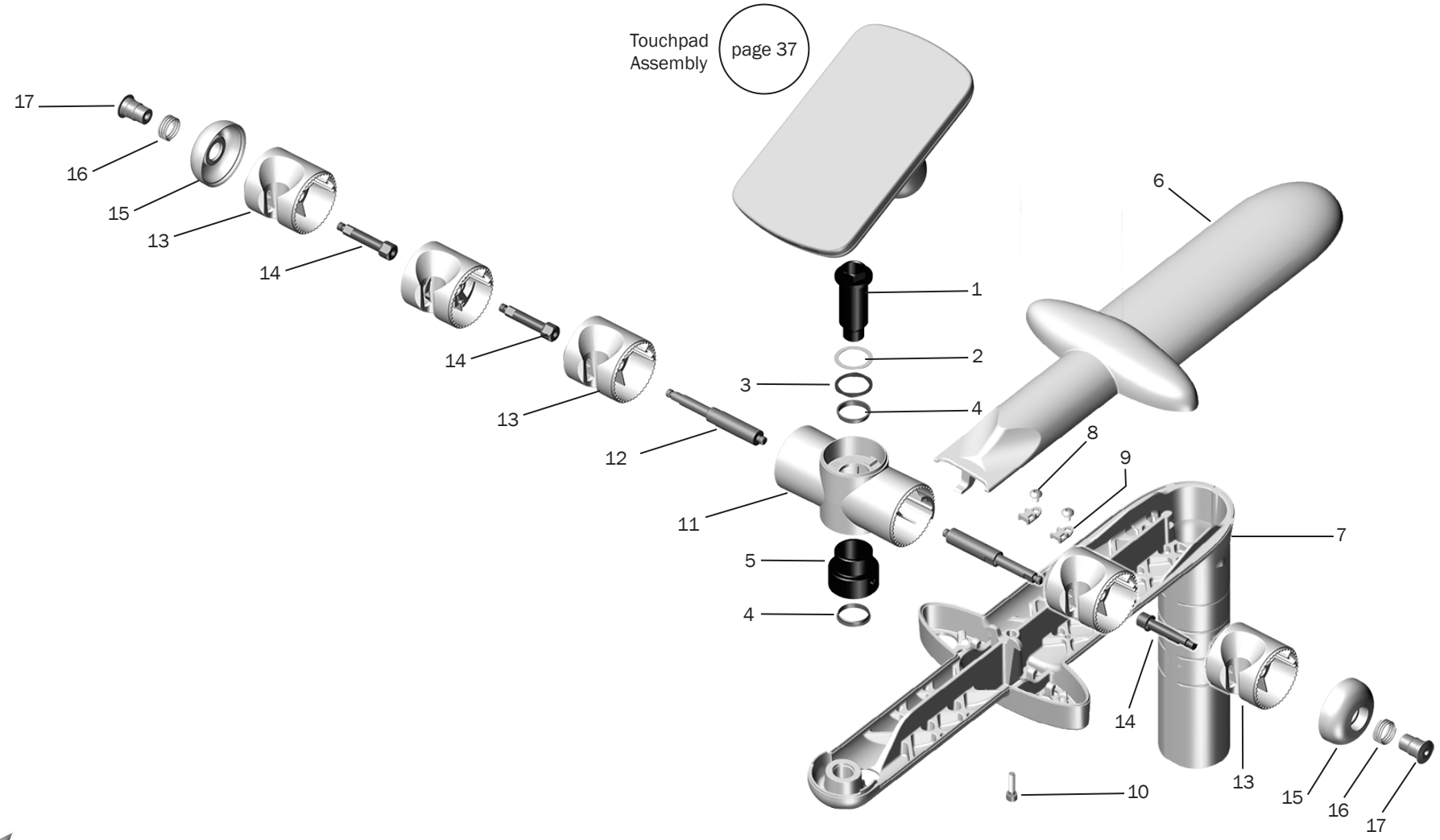
Doctor's Holder and Arm Assembly 541



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Doctor's Holder Arm Assembly 541

Item	Part Number	Description
1	99.0700.00	Bolt, holder turret, 1 piece
2	004.238.00	Washer
3	004.237.00	Washer, wave, spring, 1.125 OD
4	99.0698.00	Bearing
5	99.0693.00	Hub
6	77.0452.01	Cover, arm, 12 O'clock, white
7	77.0402.02	Arm, doctor's holder, 12 O'clock, white
8	002.094.02	Button head socket screw, 10-32 x 1/4 stainless steel
9	025.118.00	Cable tie mount
10	002.073.00	Socket head screw, 10-32 x 3/4 stainless steel
11	99.0690.01	Turret
12	99.0701.00	Turret axle
13	99.0691.00	SE/Syringe holder
14	99.0660.00	Axle
15	99.0689.00	End cap
16	013.011.00	Spring
17	99.0692.00	End cap nut

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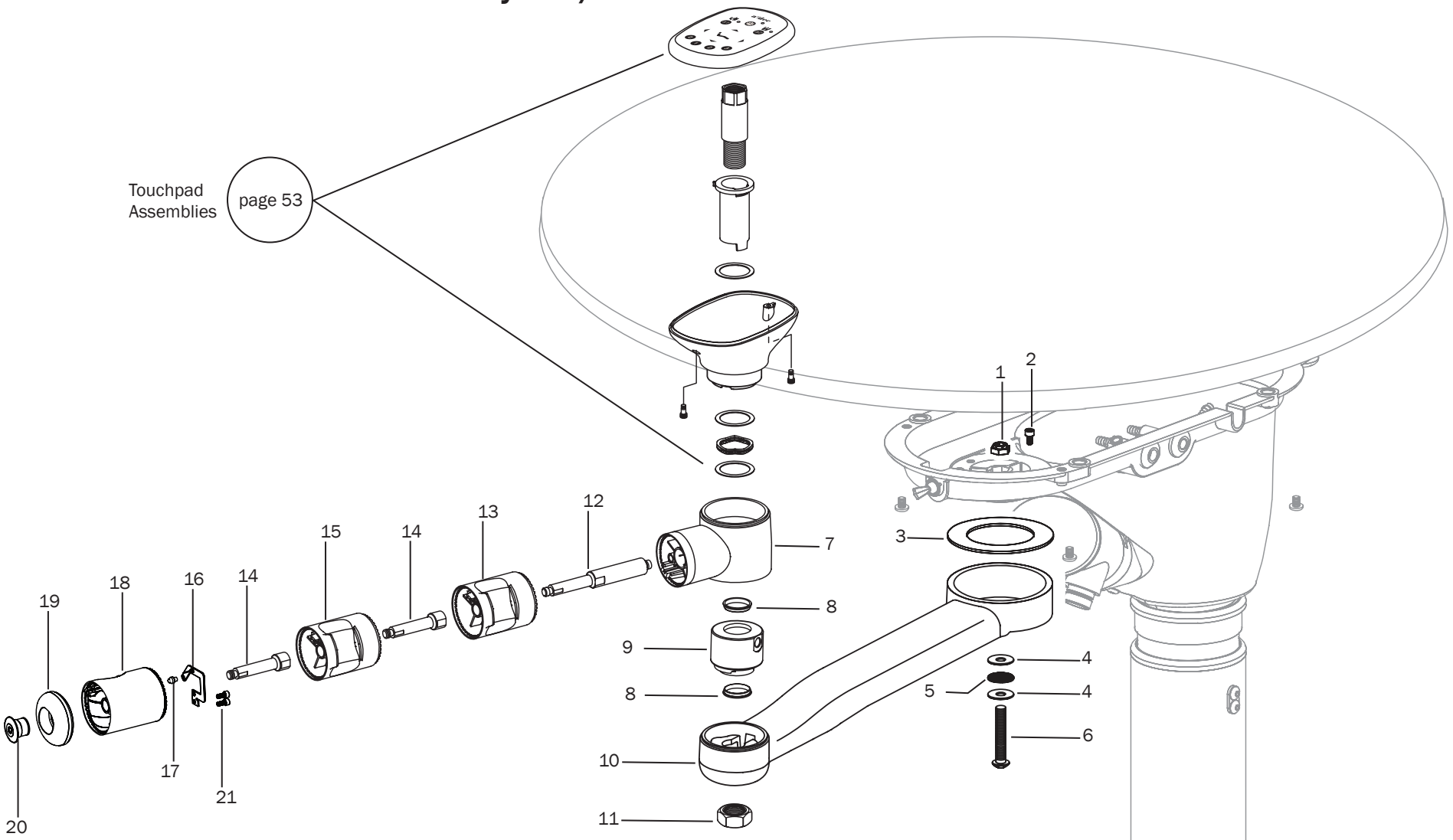
Assistant's Holders and Arm Assembly 541/545



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Assistant's Arm 541/545

p/n: 77.0462.00/77.0462.01 (Standard) 77.0543.00/77.0543.01 (large)

Item	Part Number	Description
1	006.147.00	Lock nut
2	001.034.00	Socket head screw, 6-32 X 1/4"
3	77.0408.00	Bearing
4	016.053.00	Thrust washer
5	016.054.00	Thrust needle bearing
6	001.112.03	Button head socket screw, 1/4-20 X 1-1/2"
7	99.0649.00 99.0649.01	Turret, surf4 Turret, white2
8	99.0698.00	Bearing
9	99.0699.00	Inner hub
10	77.0412.00	Arm
11	006.121.00	Hex jam nut
12	99.0701.00	Turret axle
13	99.0650.01 99.0650.03	11 mm HVE holder kit, surf4 11 mm HVE holder kit, white2
14	99.0660.00	Axle
15	99.0653.01 99.0653.03	SE/Syringe holder kit, surf4 SE/Syringe holder kit, white2
16	43.0079.00 43.0079.01	Wire assembly Wire assembly, 10'
17	99.0662.00	Button
18	99.0652.01 99.0652.03	15 mm HVE holder kit, surf4 15 mm HVE holder kit, white2
19	99.0648.00 99.0648.01	Cap, surf4 Cap, white2
20	99.0659.00	End cap nut
21	003.078.00	Screw, socket head, 4-40 x 1/4, zinc

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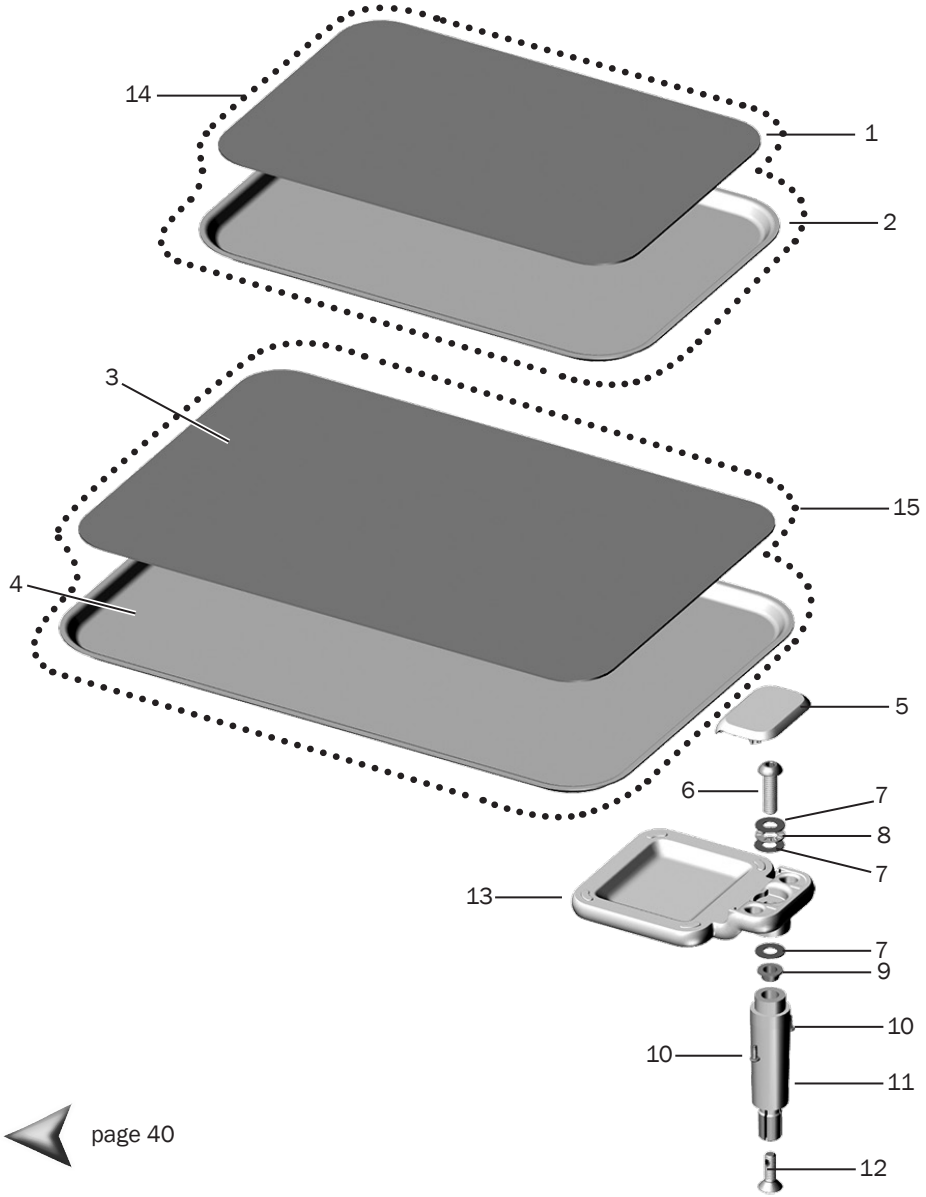
Tray Holders Assembly 541/545

p/n 77.1867.00 Standard Tray Assembly

p/n 77.1871.00 Large Tray Assembly



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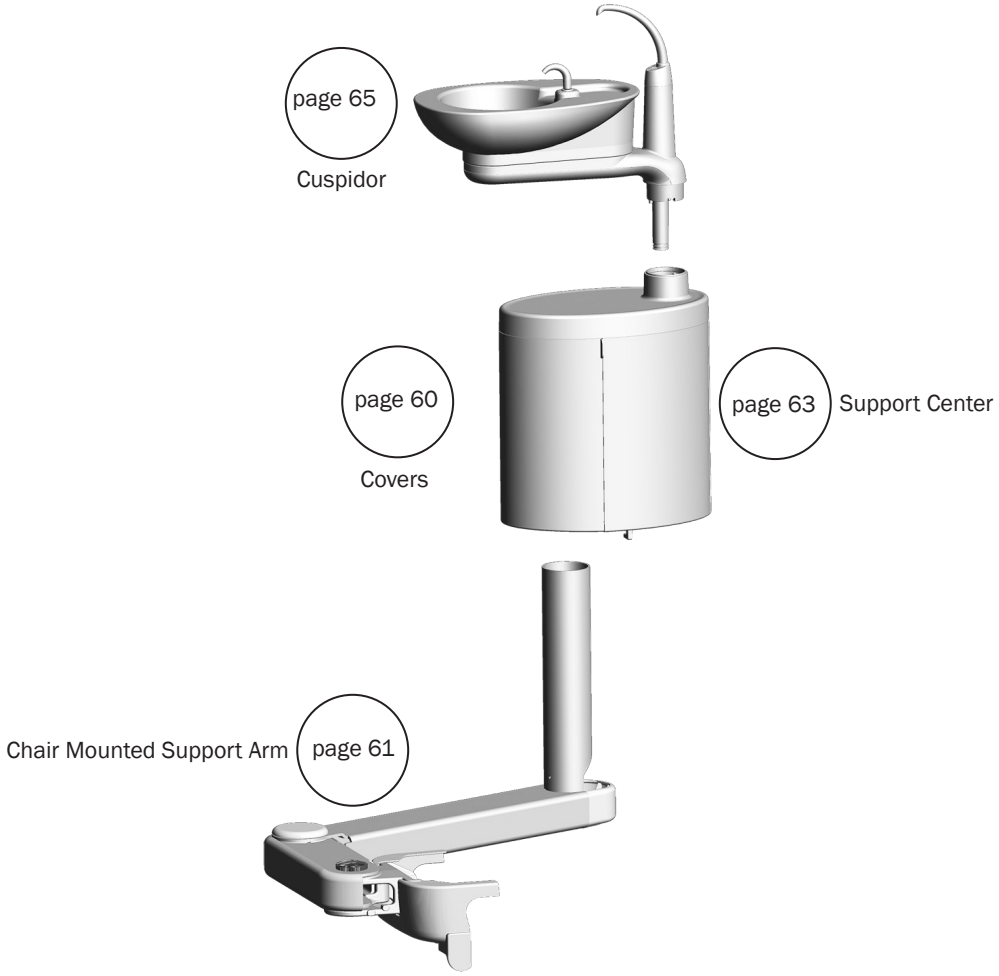
Item	Part Number	Description
1	77.1637.00	Standard pad
2	77.1516.00	Standard tray holder
3	77.1687.00	Large pad
4	77.1517.00	Large tray holder
5	77.1510.00	Clamp
6	002.174.00	Button head socket screw, 3/8-16 X 1-1/4 stainless steel
7	004.172.00	Thrust washer, .375 ID
8	016.102.00	Thrust bearing, .375 ID x .0781 Long
9	016.192.00	Flange bearing, .375 ID x .468 OD x .25 Long
10	001.300.00	Pan head Phillips screw, 6-19 x 3/8 plastic
11	77.1744.00	Tray post
12	001.197.00	Flat head socket patch screw, 5/16 x 1, stainless steel
13	77.1509.00	Support
14	90.1697.00	Standard tray holder kit
15	90.1698.00	Large tray holder kit

Cuspidor and Support Center 461



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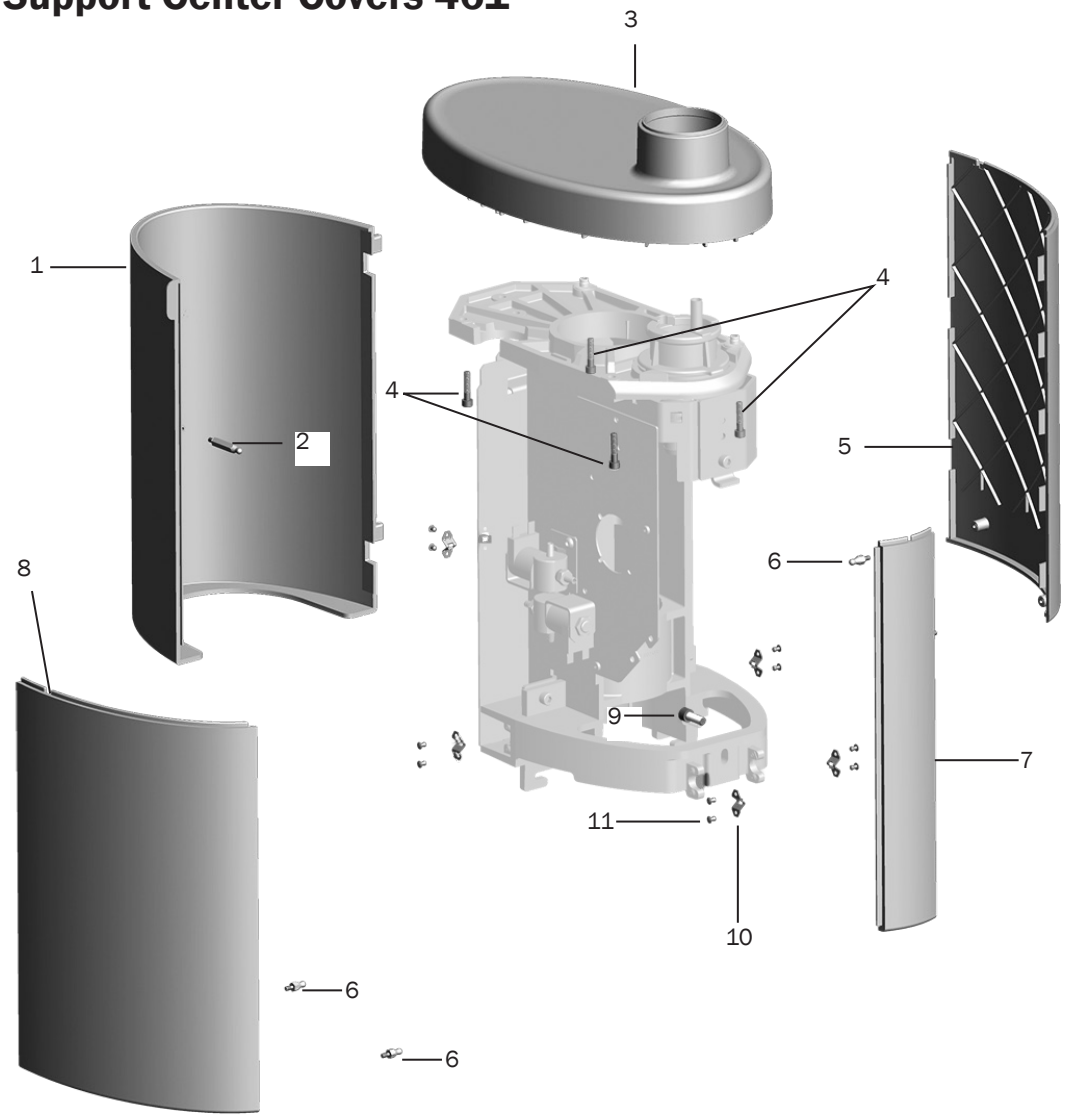
Support Center Covers 461



Item	Part Number	Description
1	14.0489.00	Water bottle housing cover
2	042.665.00	Ball stud
3	77.1193.00	Top support cover
4	002.112.00	Socket head screw
5	77.0036.03	Right cuspidor housing cover
6	042.222.00	Ball stud
7	77.0037.01	Nose cover
8	77.0035.03	Left cuspidor housing cover
9	001.089.00	Socket head screw 1/4-20 x 5/8, stainless steel
10	042.221.00	Ball spring
11	012.009.00	Rivet

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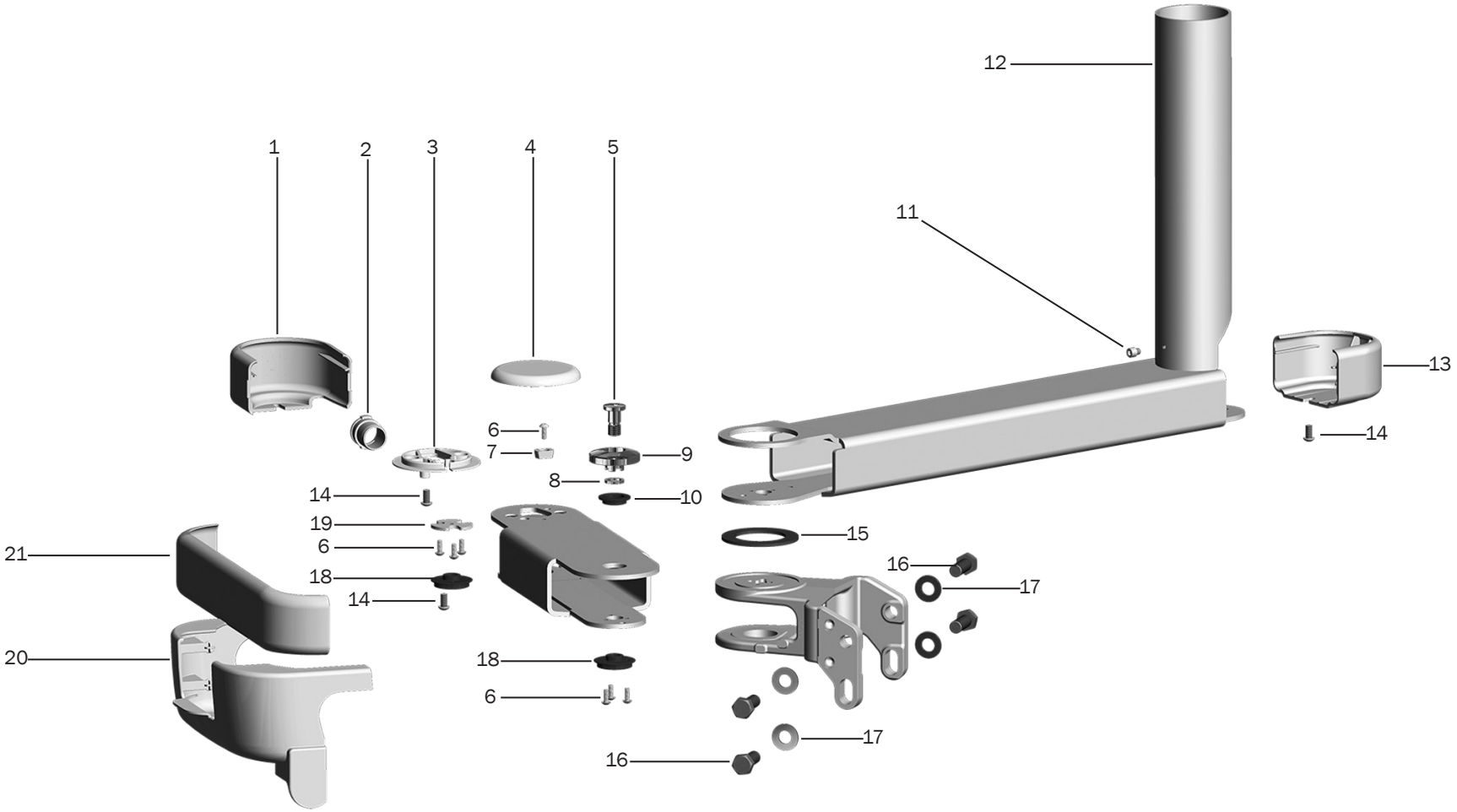
Chair Mounted Support Arm 461



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Chair Mounted Support Arm 461

Item	Part Number	Description
1	77.1201.00	Umbilical cover
2	022.094.01	Female vacuum connector
3	77.1194.00	Friction adjustment bearing
4	77.0211.01	Bearing cap
5	77.1184.00	Socket shoulder screw
6	005.110.00	Button head socket screw
7	77.1186.00	Wedge
8	004.251.00	Lock washer
9	77.1205.00	Lock bearing
10	016.176.00	Flanged bearing
11	002.134.00	Socket head screw
12	77.1188.00	Weldment, cuspidor spt arm
13	77.1195.00	Cuspidor umbilical cover
14	001.130.01	Pan head slot screw
15	016.128.00	Thrust bearing washer
16	001.163.00	Hex head cap screw
17	004.240.00	Flat washer
18	77.1190.00	Lower flanged bearing
19	004.250.00	Steel washer
20	77.1241.00	Back mount cover
21	77.1212.00	Link support arm cover

Replacement Kit	Items Included	Description
77.1256.00	1, 5, 6, 8, 9, 10, 15, 18, 20, 21	Back mt assembly with link, 461

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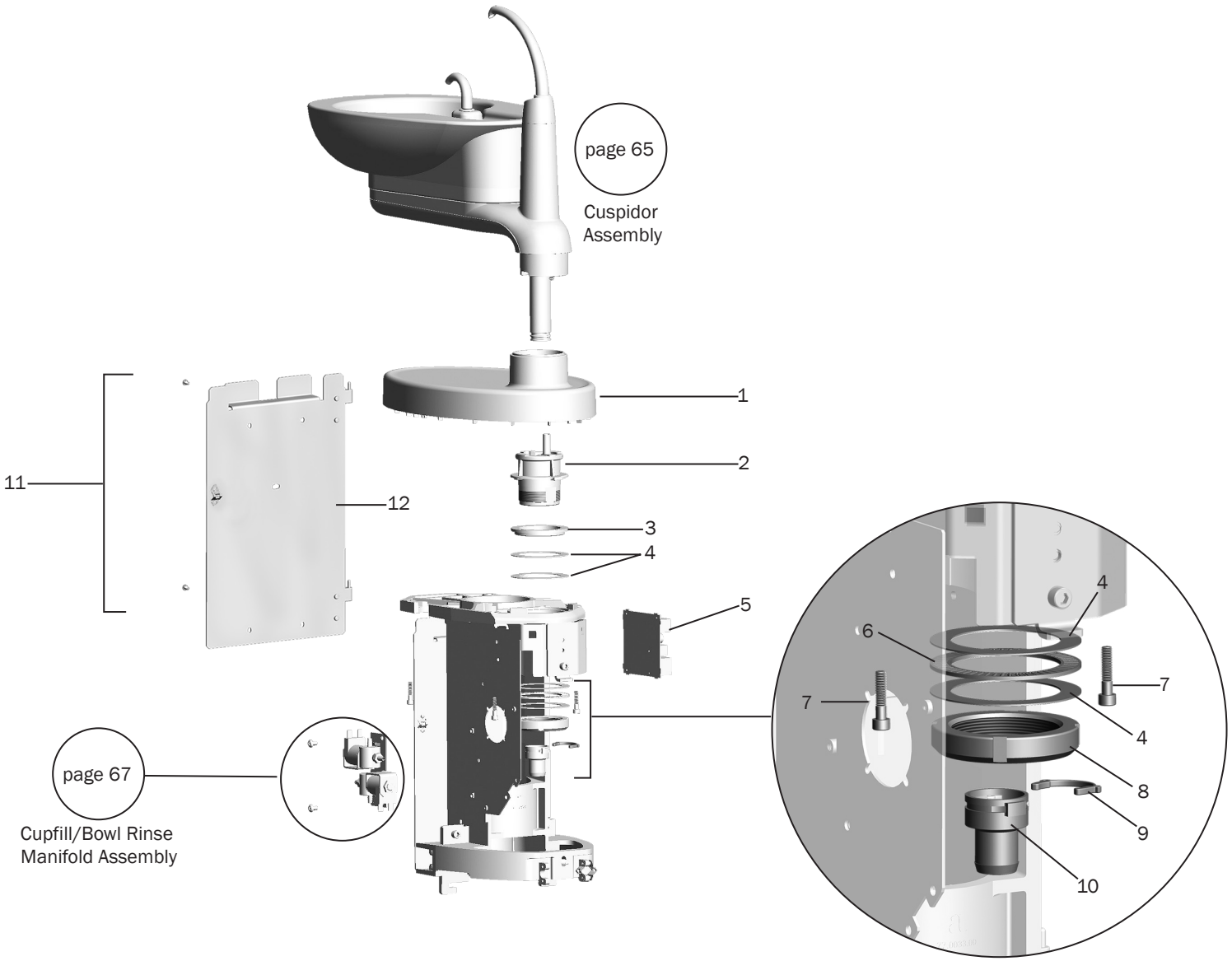
Support Center 461



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Support Center 461

Item	Part Number	Description
1	77.1193.00	Support center top cover
2	77.0330.00	Hub pivot
3	12.0911.00	Bushing
4	016.108.00	Thrust bushing, race, 2.0 ID
5	90.1079.00	Cuspidor circuit board
6	016.044.00	Bearing, thrust, race, 2.0 ID
7	002.112.00	Socket head screw 10-32 X 7/8
8	61.0954.00	Lock nut
9	022.090.00	Retainer clip
10	022.092.01	Female vacuum connector
11	002.140.00	Button head socket 6-32 X 1/4 patch screw
12	77.1224.00	Water bottle cover

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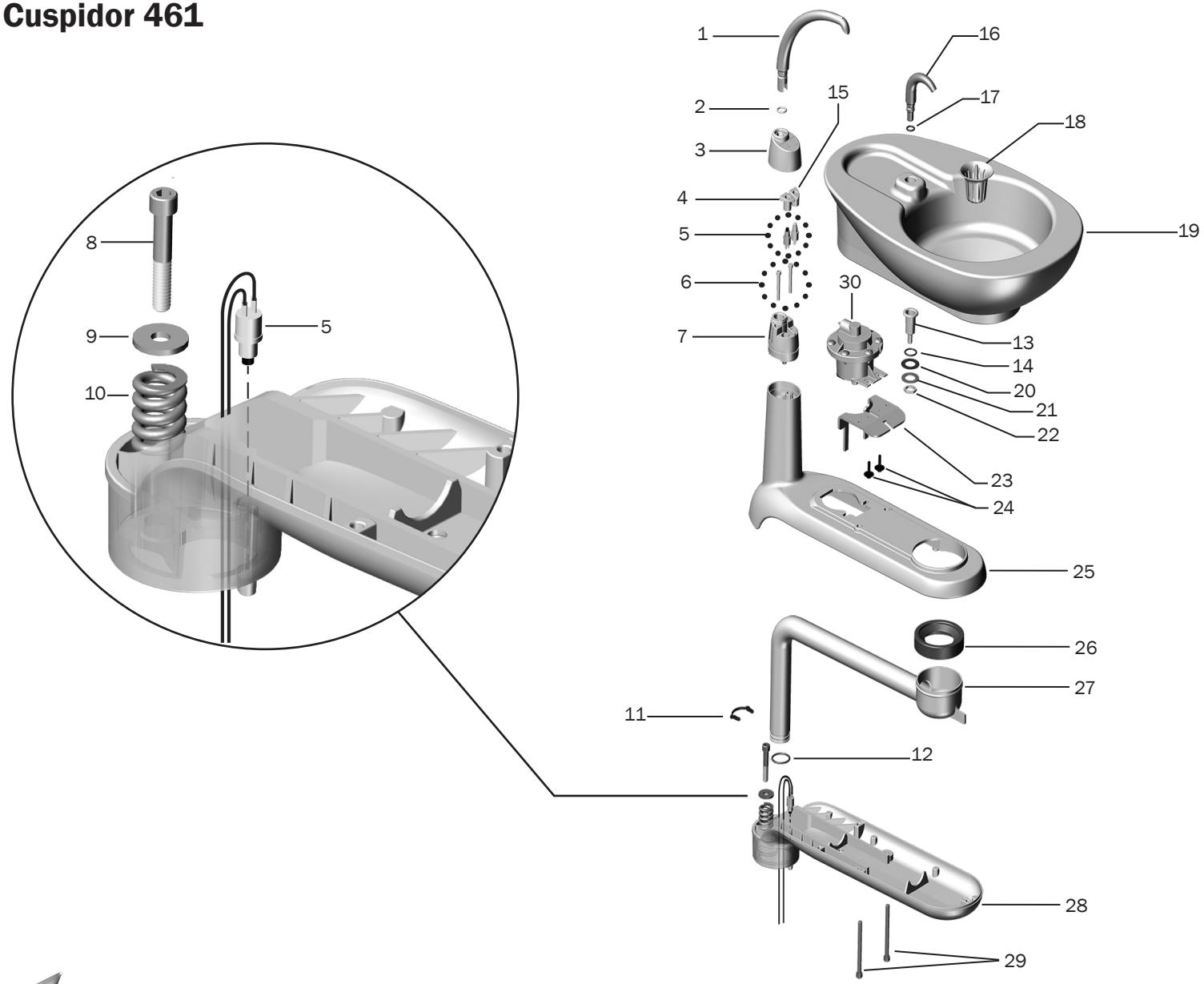
Cuspidor 461



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Cuspidor 461

Item	Part Number	Description	Item	Part Number	Description
1	77.0043.04 77.0043.01	Spout, cupfill, cuspidor, with O-ring, gray Spout, cupfill, cuspidor, with O-ring	16	77.0042.04 77.0042.01	Spout, bowl rinse, cuspidor, with O-ring, gray Spout, bowl rinse, cuspidor, with O-ring
2	030.012.02	O-ring, AS568-012, pkg of 10	17	030.011.02	O-ring, AS568-011, pkg of 10
3	77.0044.01 77.0044.00	Gasket, spout, cup, cuspidor, white Gasket, spout, cup, cuspidor, surf 6	18	75.0035.03 75.0035.01	Screen, cuspidor bowl, pkg of 5, gray Screen, cuspidor bowl, pkg of 5
4	77.0099.00	Button, cuspidor, fill/rinse, left	19	77.0038.01 77.0038.00	Bowl, cuspidor, ceramic, white Bowl, cuspidor, ceramic, surf
5	43.0010.00	Switch assembly, normally open, momentary, 20”, 2-MTE	20	004.035.00	Washer, flat, nylatron,.511 ID
6	005.088.00	Screw, socket head, 6-32 x 1 1/4	21	004.132.00	Washer, flat, stainless steel,.500 ID
7	77.0097.01	Support, cuspidor spout with barbs	22	006.009.00	Nut, hex, 15/32-32 x 9/16 x 3/32
8	002.082.03	Screw, socket head stainless steel, 1/4-20 x 1-1/2	23	13.0403.00	Vacuum air trap valve assembly
9	004.141.00	Washer, flat, stainless, FL,.261 ID	24	005.161.00	
10	013.061.01	Spring, compression,.75 OD x 1.00 FL	25	77.1458.00	Top housing, cuspidor
11	022.090.00	Clip, retainer, connector, vacuum	26	12.0991.00	Drain seal, cuspidor
12	035.053.01	O-ring, silicone, vacuum, 20 mm x 2 mm, pkg of 10	27	77.0040.00	Tube, drain, cuspidor, back mount
13	77.0105.00	Socket, bowl rinse spout, Surf 4	28	77.0109.01 77.0109.00	Bottom housing, cuspidor with switch, gray Bottom housing, cuspidor with switch, surf
14	030.014.01	O-ring, AS568-014, pkg of 25	29	005.106.00	Screw, 10-32 x 2 1/2, socket head
15	77.0100.00	Button, cuspidor, fill/rinse, right	30	13.0404.00	Air trap valve assembly

Replacement Kit	Items Included	Description
12.0915.00	5	Switch assembly

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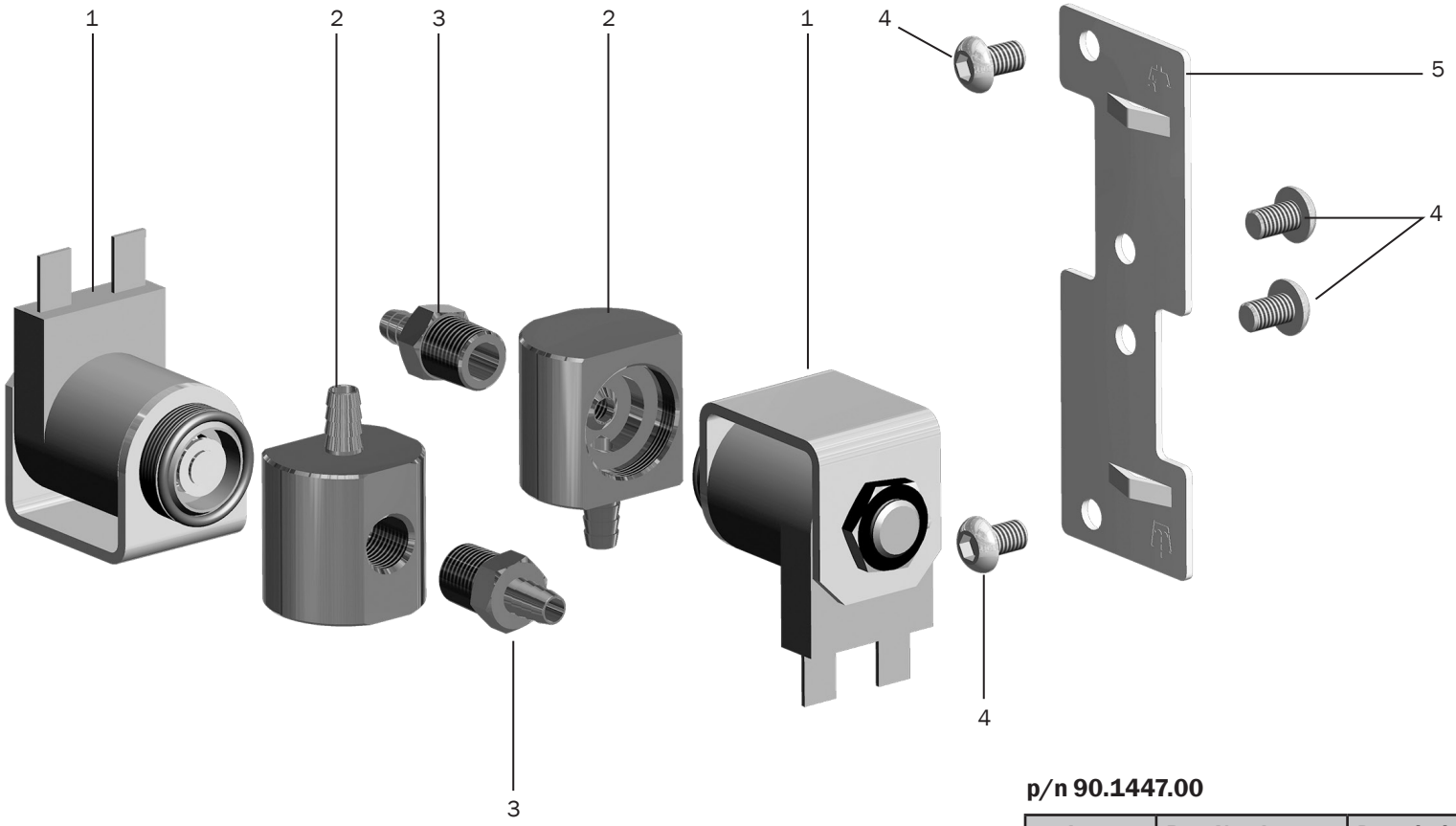
Cuspidor Cupfill/Bowl Rinse Manifold 461



p/n 90.1447.00

Item	Part Number	Description
1	041.660.00	Solenoid, 24 VAC
2	38.1844.00	Manifold
3	023.804.00	5/16 x 1/8 NPT Barb
4	005.138.01	Button head socket screw
5	77.1210.00	Bracket

Replacement Kit	Items Included	Description
90.1408.00	2 - 3	Single manifold cuspidor kit

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Assistant's Instrumentation 551

Assistant's Arms

page 69
Assistant's Arm Assembly

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Single Holder Arm Assembly

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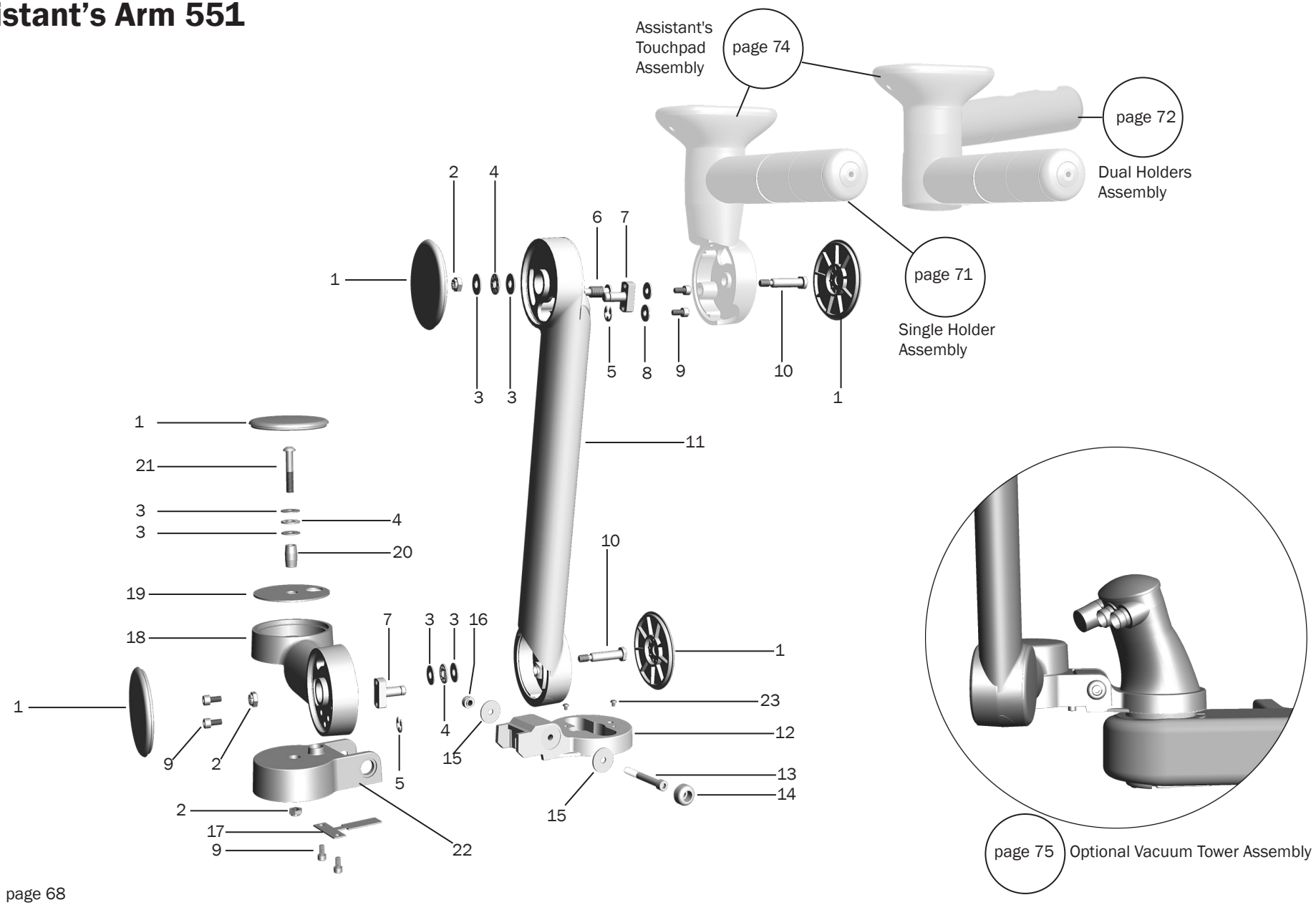
Dual Holders Arm Assembly

Assistant's Arm 551



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Assistant's Arm 551

Item	Part Number	Description
1	77.0021.00 77.0021.02	Cap, surf Cap, white
2	006.147.00	Nut
3	016.053.00	Thrust washer
4	016.054.00	Needle bearing
5	010.053.00	Retaining ring
6	77.0242.00	Shear pin
7	77.0138.00	Parallel adjustment pin
8	004.197.00	Washer
9	002.130.00	Socket head screw, 10-32 X 3/8
10	77.0134.00	Shoulder bolt
11	77.0165.01 77.0165.02	Vertical assistant's arm, surf Vertical assistant's arm, white
12	77.0131.00 77.0131.01	Mount link, surf Mount link, white
13	001.084.00	Socket head screw, 1/4-20 X 2-1/4
14	77.0393.00	Capscrew cup
15	77.0128.00	Friction washer
16	77.0334.00	Special nut
17	77.0264.00	Tubing bracket
18	77.0013.01 77.0013.02	Rigid link, surf Rigid link, white
19	77.0126.00	Washer
20	77.0245.00	Sleeve bearing
21	001.112.03	Button head socket screw, 1/4-20 X 1-1/2
22	77.0127.01	Tip-up link arm
23	005.160.00	Screw, btn head soc, 1/2 - 13x3/4

Replacement Kit	Items Included	Description
77.0704.00 77.0704.01 77.0705.00 77.0705.01	1 - 11, 18 - 22	Replacement arm, short, surf Replacement arm, short, white Replacement arm, long, surf Replacement arm, long, white

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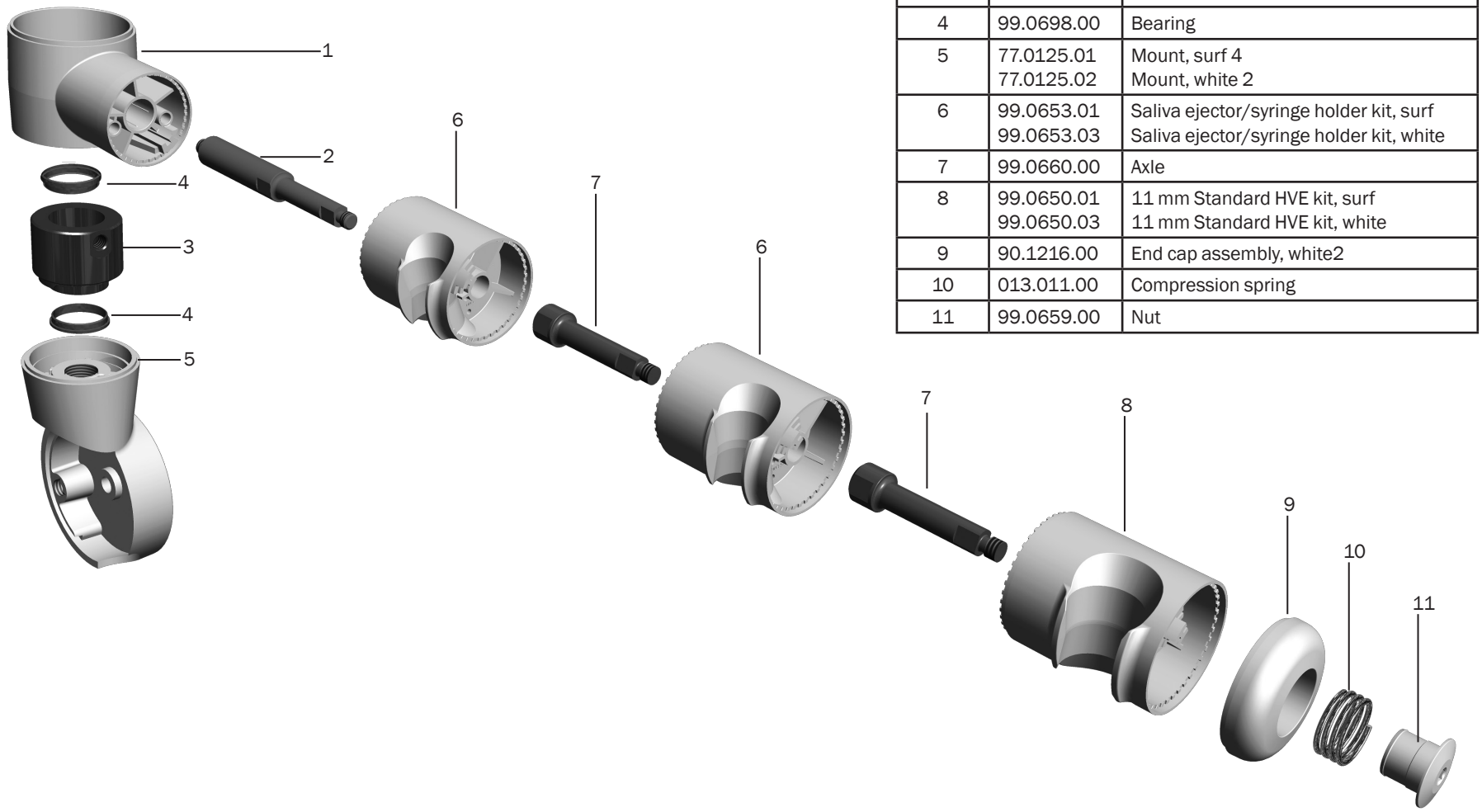
Assistant's Single Holder Arm 551

Item	Part Number	Description
1	99.0649.00 99.0649.01	Holder turret, surf Holder turret, white
2	99.0701.00	Turret axle
3	99.0699.00	Inner hub
4	99.0698.00	Bearing
5	77.0125.01 77.0125.02	Mount, surf 4 Mount, white 2
6	99.0653.01 99.0653.03	Saliva ejector/syringe holder kit, surf Saliva ejector/syringe holder kit, white
7	99.0660.00	Axle
8	99.0650.01 99.0650.03	11 mm Standard HVE kit, surf 11 mm Standard HVE kit, white
9	90.1216.00	End cap assembly, white2
10	013.011.00	Compression spring
11	99.0659.00	Nut



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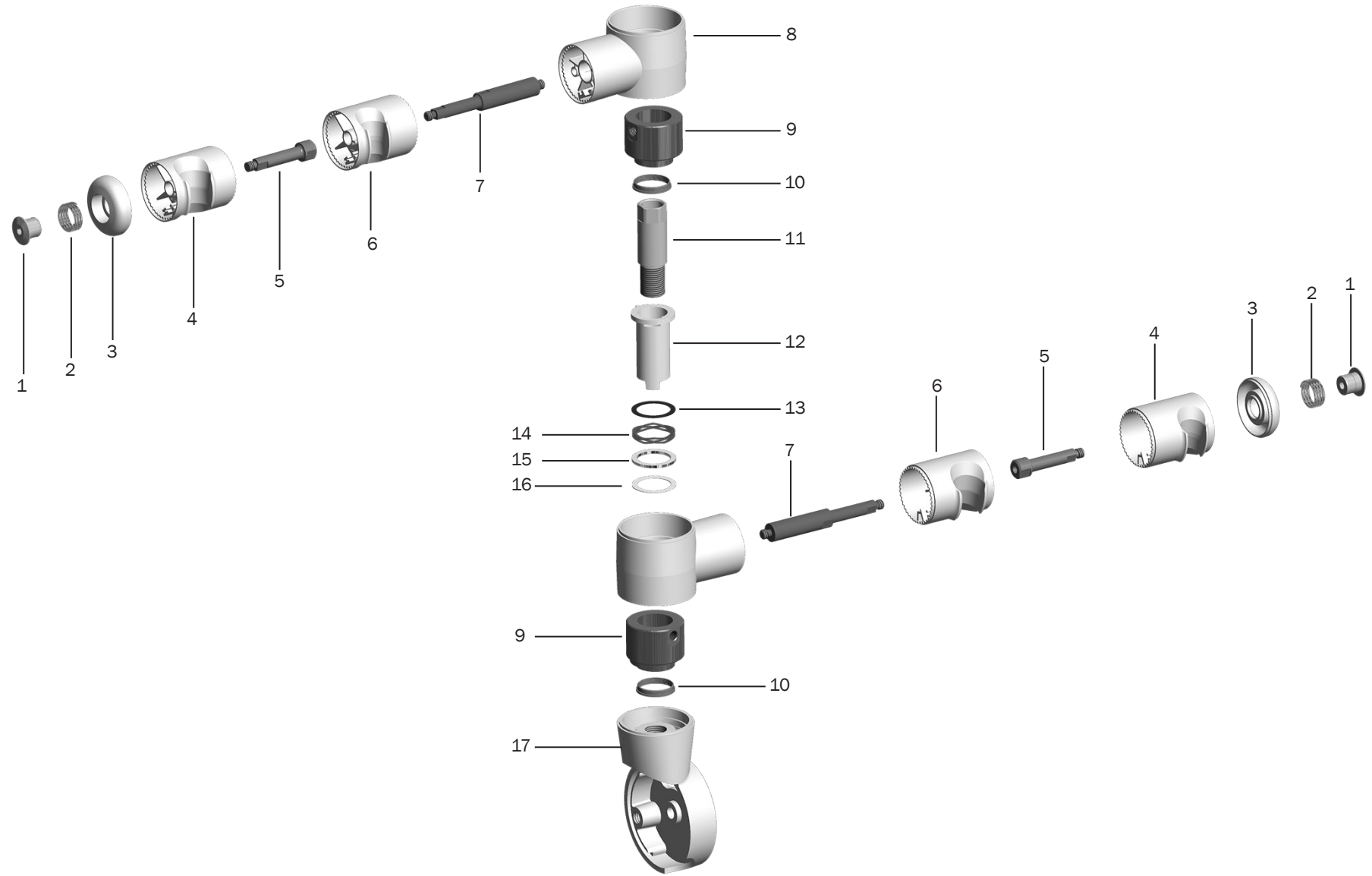
Assistant's Dual Holder Arm 551



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Assistant's Dual Holder Arm 551

Item	Part Number	Description
1	99.0659.00	Nut
2	013.011.00	Compression spring
3	99.0648.01	End cap assembly (includes items 1, 2, 3)
4	99.0650.03 99.0650.01	11 mm Standard HVE kit, white 11 mm Standard HVE kit, surf
5	99.0660.00	Axle
6	99.0653.01 99.0653.03	Saliva ejector/syringe holder kit, surf Saliva ejector/syringe holder kit, white
7	99.0701.00	Turret axle
8	99.0649.01 99.0649.00	Holder turret, white Holder turret, surf
9	99.0699.00	Inner hub
10	99.0698.00	Bearing
11	77.0123.00	Pass thru bolt
12	99.0651.00	Spline
13	004.173.00	Washer
14	004.237.00	Wave washer
15	77.0124.00	Spacer
16	004.060.00	Washer
17	77.0125.02 77.0125.01	Mount, white Mount, surf

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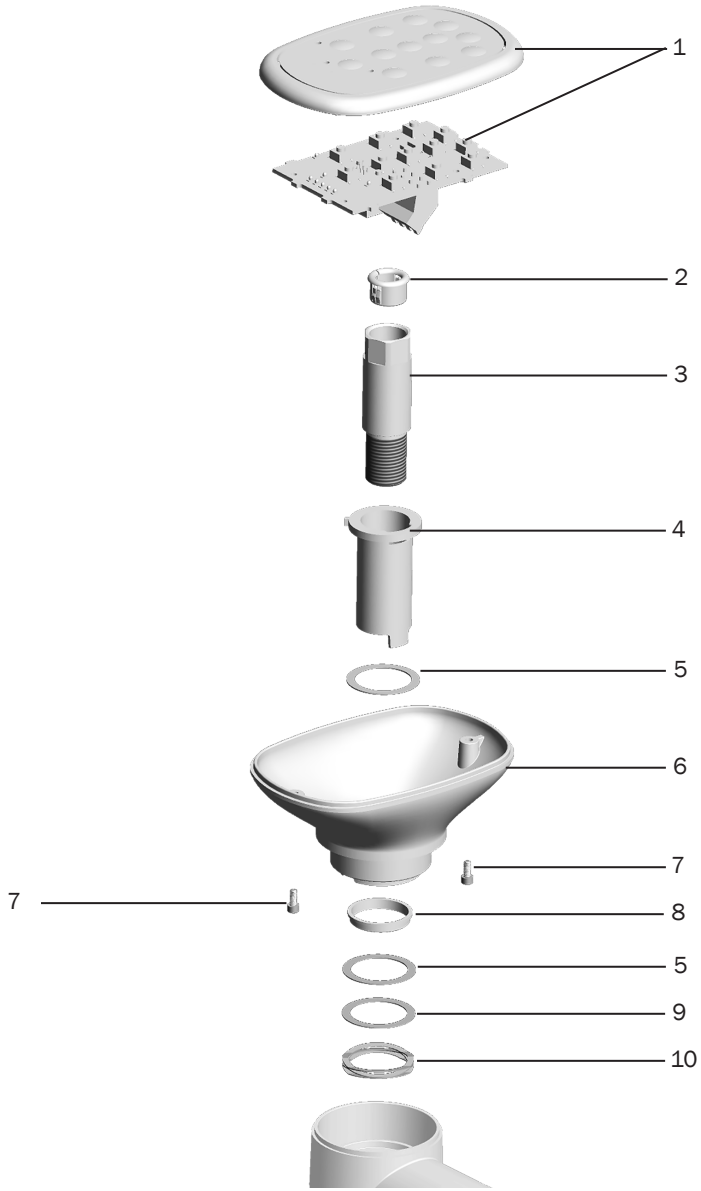
Assistant's Arm Touchpad 551

Item	Part Number	Description
1	90.1440.00 90.1078.00	Touchpad cover without circuit board Touchpad cover with circuit board
2	041.663.00	Cable bushing
3	77.0123.00	Pass through bolt
4	99.0651.00	Spline
5	004.173.00	Washer
6	77.0335.00 77.0335.01	Touchpad base, surf Touchpad base, white
7	003.078.00	Socket head 4-40 X 1/4 screw
8	99.0698.00	Inner hub bearing
9	004.060.00	Washer
10	004.237.00	Washer, wave spr



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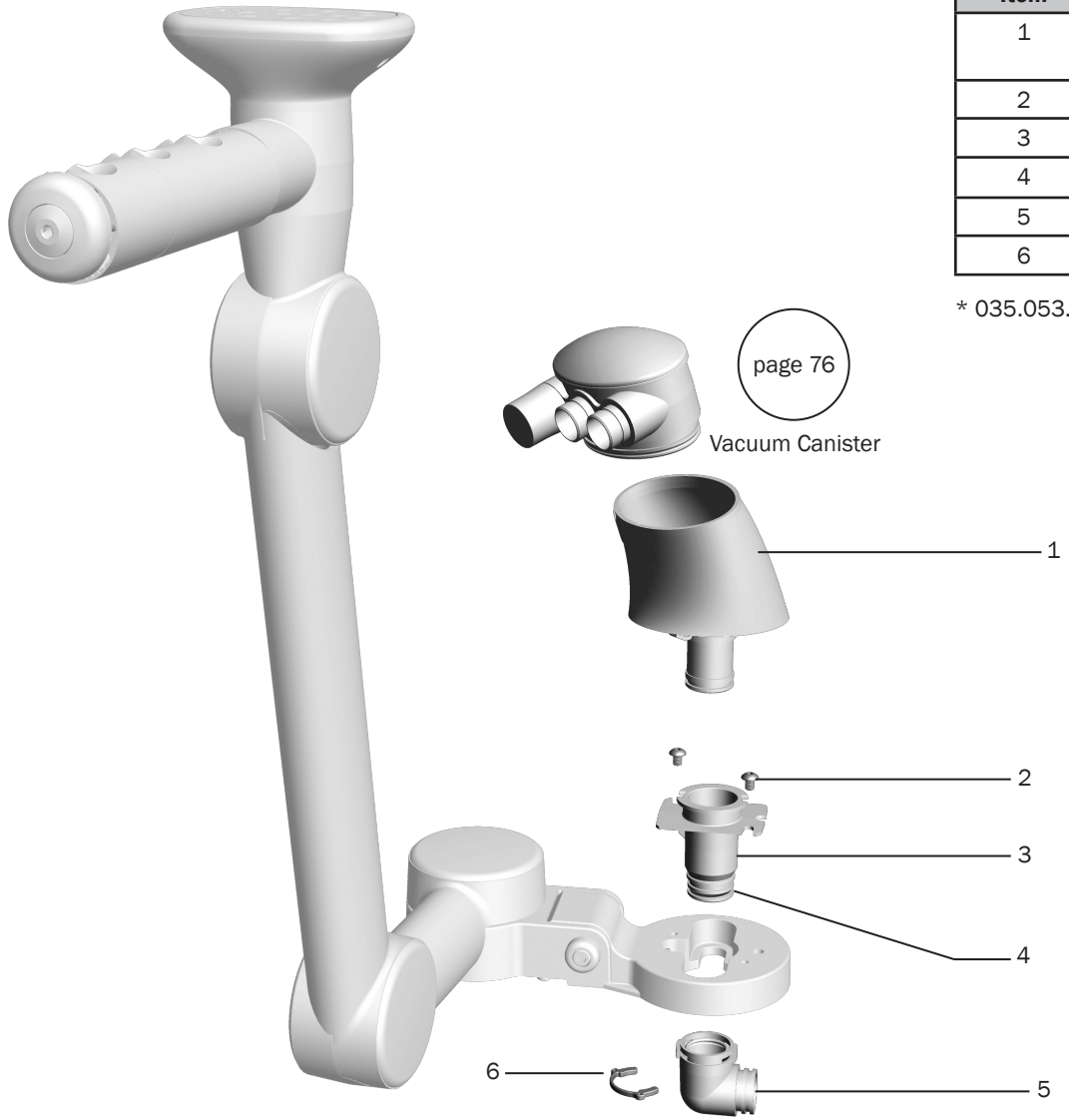
Assistant's Vacuum Tower 551



Item	Part Number	Description
1	77.0362.03 77.0362.01	Base with funnel, white Base with funnel, surf
2	002.094.02	Screw, 10 - 32 x 1/4
3	77.1219.00	Vacuum pipe, assistants arm
4	035.053.01 *	O-ring, pkg of 10
5	022.099.01	Vacuum connector
6	022.090.00	Retainer clip

* 035.053.01 is part of 77.0121.01/77.0121.03

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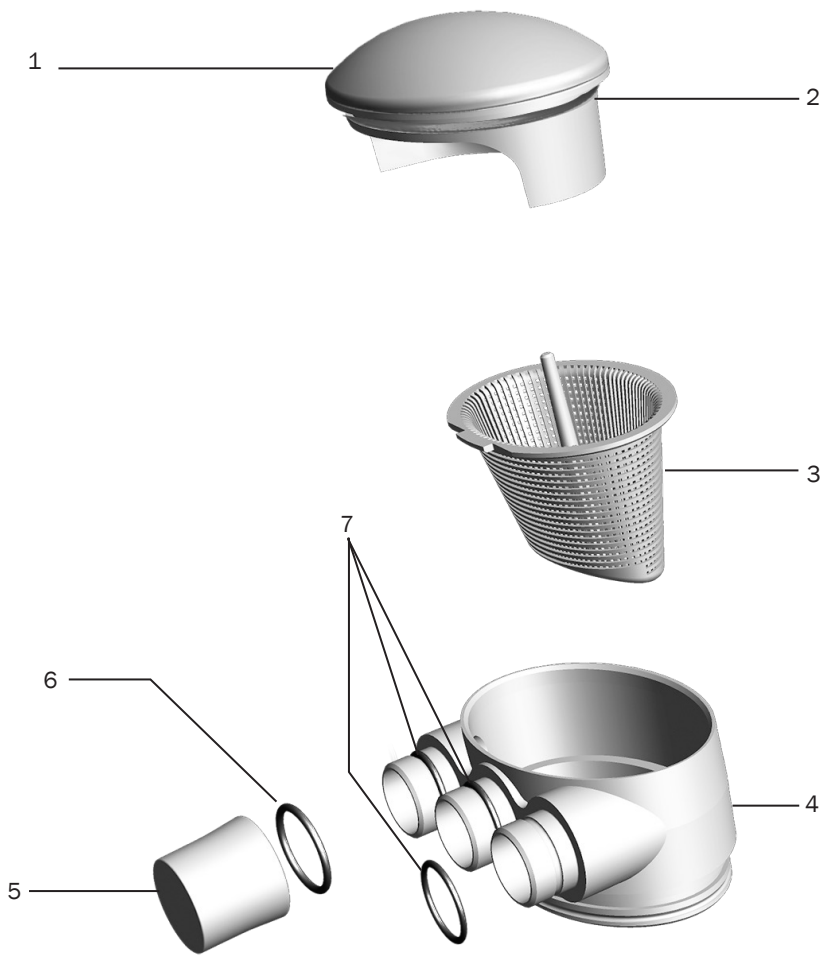
Assistant's Vacuum Canister 551



Item	Part Number	Description
1	77.0254.01 77.0254.03	Cap kit with O-ring, surf Cap kit with O-ring, white
2	030.035.00	O-ring, pkg 10
3	11.1284.01	Solids trap screen, pkg 10
4	77.0453.00 77.0453.01	Tri-vacuum connector with O-ring, surf Tri-vacuum connector, white
5	11.1280.01 11.1280.02	Cap, with O-ring surf Cap with O-ring, gray
6	034.018.02	O-ring, pkg of 10
7	035.061.00	O-ring

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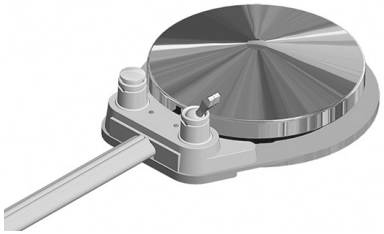
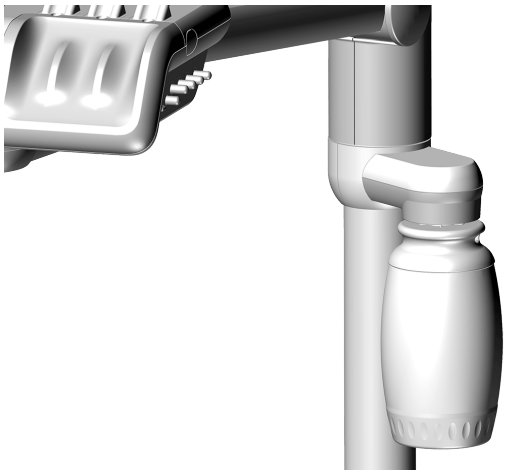
Accessories

Foot Controls



page 78 Disc Foot Control

page 81 Lever Foot Control



Water Bottle

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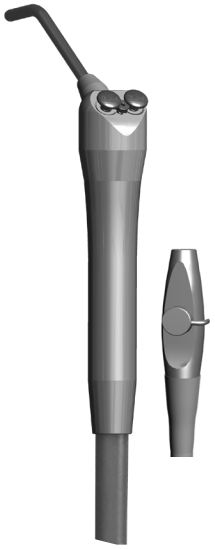
Syringes and Vacuum Instruments



page 87 Autoclavable HVE Standard and 11/15 mm

page 88 Autoclavable HVE with Large Bore 15 mm

page 89 Autoclavable Saliva Ejector

page 90 Autoclavable Saliva Ejector AVS

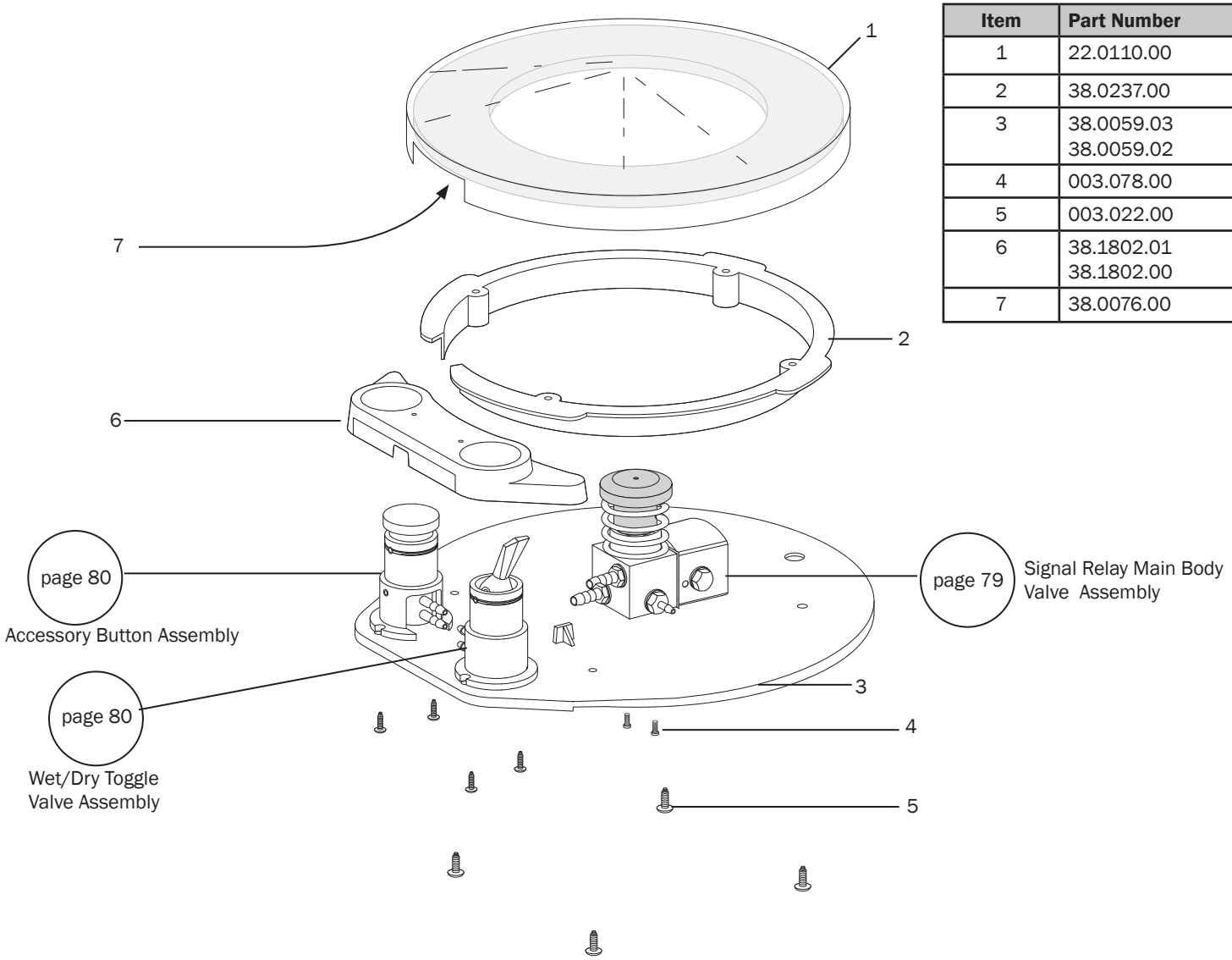
page 91 Traditional Syringe

page 93 Continental Syringes

page 95 Warm Water Syringes

page 3

Disc Foot Control



Item	Part Number	Description
1	22.0110.00	Foot control cover, chrome (includes item 7)
2	38.0237.00	Black retaining ring, 5" OD
3	38.0059.03 38.0059.02	Base assembly, foot control, white Base assembly, foot control, surf
4	003.078.00	Screw, socket head, 4-40 1/4", zinc
5	003.022.00	Phillips pan head screw, #6 x 1/2", zinc
6	38.1802.01 38.1802.00	2-hole housing access, 5/16”, white 2-hole housing access, 5/16”, surf
7	38.0076.00	Foam liner, adhesive back (part of item 1)

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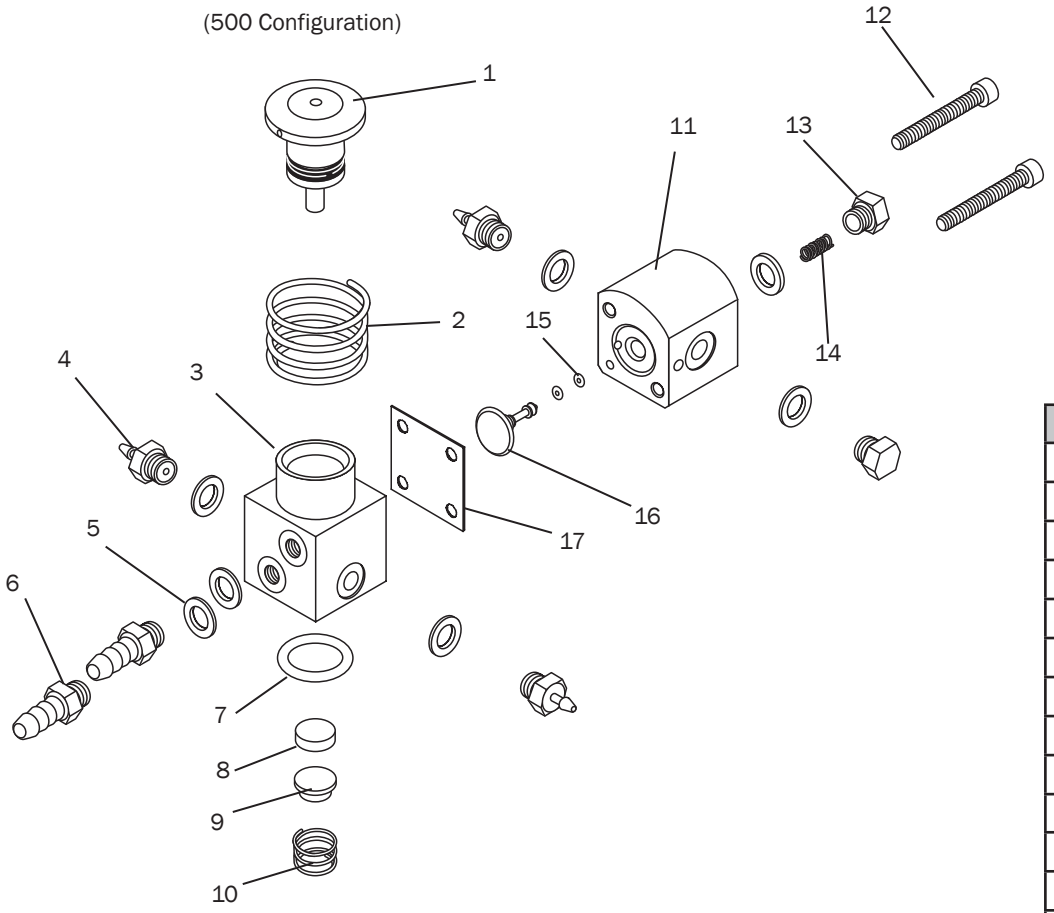
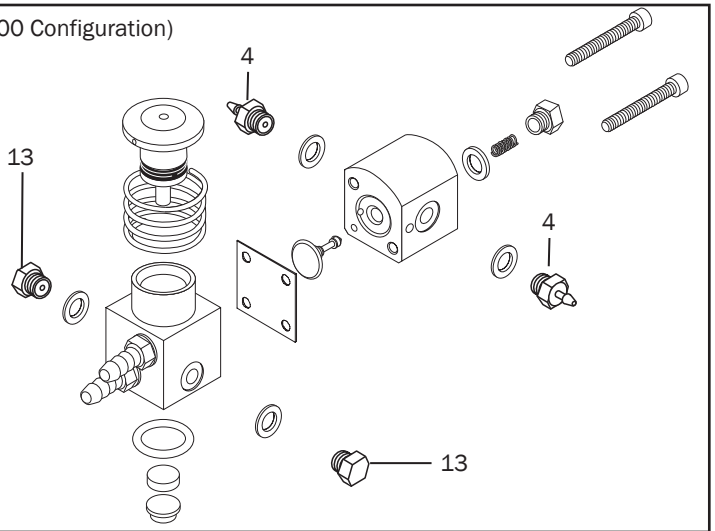
Foot Control Signal Relay Main Body Valve

(500 Configuration)



(300 Configuration)



Item	Part Number	Description
1	38.0760.00	Piston, foot control III assembly
2	013.011.00	Spring, helical compression, .760 OD x .47 FL
3	38.0759.00	Body relay
4	023.004.03	Barb, 1/8 x 10-32, pkg of 10
5	004.005.02	Washer, flat, nylon, .187 ID, pkg of 10
6	023.805.01	Barb, 5/16 x 10-32, pkg of 10
7	030.012.02	O-ring, .364 ID x .070 wide, pkg of 10
8	22.0060.00	Poppet, plastic, foot control
9	22.0050.00	Cap spring, foot control
10	22.0580.00	Spring, compression, .312 OD x .25
11	38.0056.00	Signal relay body valve
12	002.102.00	Screw, socket head 4-40 x 7/8", Zinc
13	021.016.04	Hex plug, 10-32, pkg of 10
14	10.0440.00	Spring, compression, .312 OD x .25
15	030.001.02	O-ring, pkg of 10
16	22.0778.00	Valve stem with O-rings
17	38.0054.02	Diaphragm, 3/4" square x .013 thick, pkg of 10

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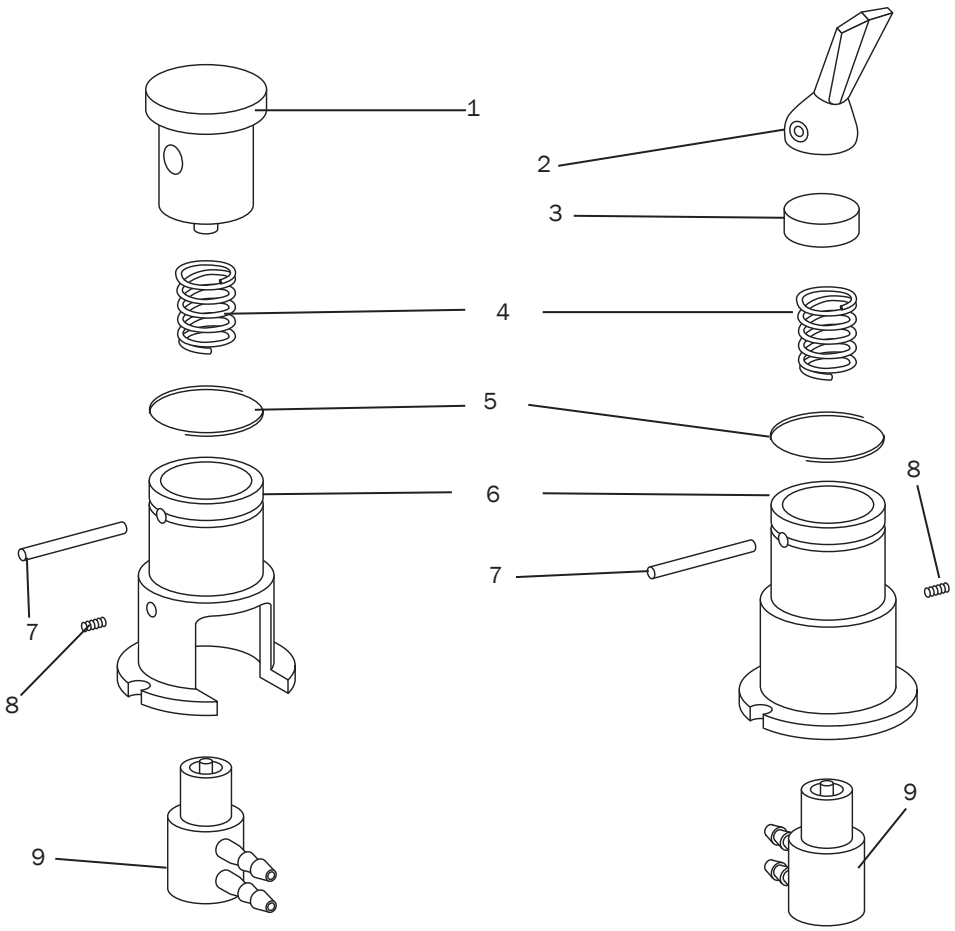
Disc Foot Control Accessory Button and Wet/Dry Toggle Valve



p/n 38.0612.01 (white)/38.0612.00 (surf)/38.1832.00 (white)/38.0604.00 (surf)

Item	Part Number	Description
1	38.0070.00	Actuator button
2	38.0075.04 38.0075.03	Foot control toggle valve lever, with pin, gray Foot control toggle valve lever, with pin, surf
3	38.0066.00	Cap spring, wet/dry valve assembly
4	22.0040.00	Spring, helical compression, .300 OD x .40
5	010.056.00	Retainer spring, .600 diameter
6	38.0072.04 38.0072.03	Holder valve. white Holder valve, surf
7	011.016.00	Pin, dowel, .125 diameter x .625
8	007.002.00	Setscrew, socket cup point, 6-32 x 3/16
9	33.0138.00	3-way micro valve assembly

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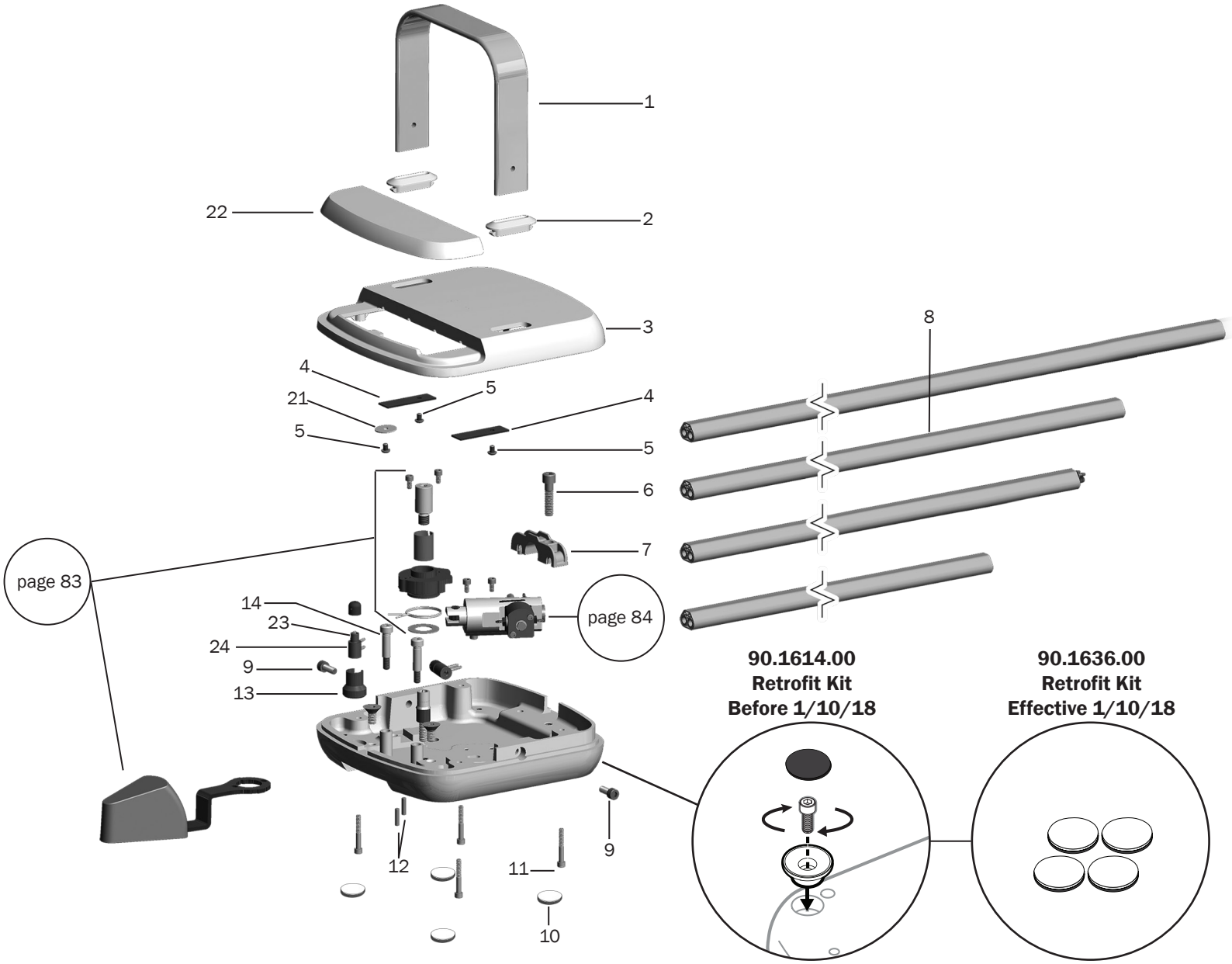
Lever Foot Control



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Lever Foot Control

p/n 38.1871.00 (5')/ 38.1871.01 (7')/ 38.1871.02 (9')/ 38.1871.03 (16')

Item	Part Number	Description
1	38.1859.00	Bail
2	38.1860.00	Grommet
3	38.1849.00	Cover
4	38.1868.00	Leaf spring
5	002.103.00	Screw
6	005.109.00	Button head screw, 1/4-20 x 1"
7	62.0131.00	Strain relief
8	024.214.XX	Foot control tubing, gray 3
9	002.135.01	Stainless steel patch socket head screw, 10-32 x 1/2"
10	017.036.00	Self-adhesive disc
11	002.011.00	Screw, soc hd, 6-32 x 1
12	011.052.00	Pin
13	38.1864.00	Mount
14	001.293.00	10-24 x 1/4 x 3/4" Shoulder screw
15	004.035.00	Flat washer
16	013.140.00	Spring
17	38.1861.00	Cam
18	016.174.00	Bearing
19	38.1873.00	Screw, 1/4-20 thread
20	001.034.00	Screw , 6-32 x 1/4"
21	004.259.00	Washer
22	38.1851.00	Lever foot control button
23	38.1856.00	Valve button
24	38.0138.00	Micro valve assembly

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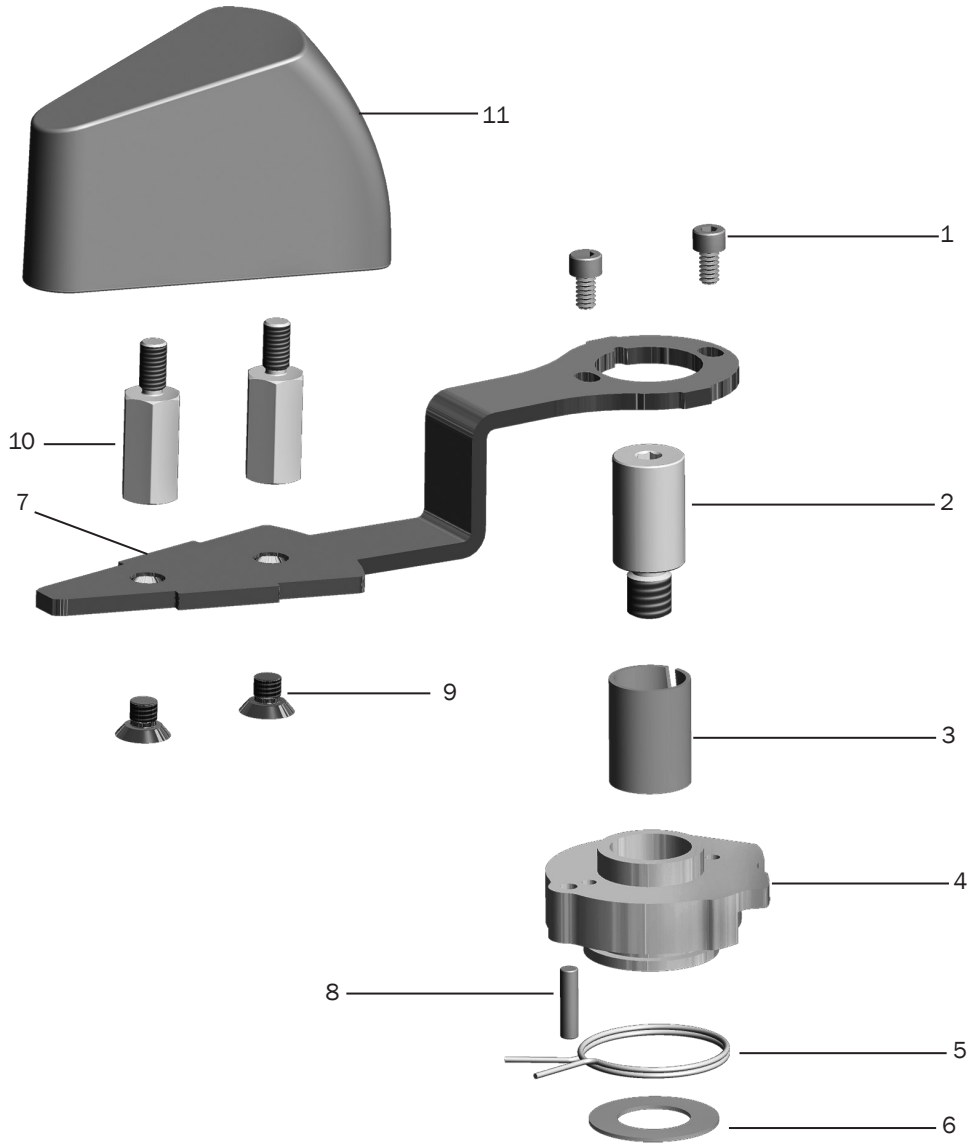
Lever Assembly

p/n 38.1869.00

Item	Part Number	Description
1	001.034.00	6-32 x 1/4" Screw
2	38.1873.00	Screw, 1/4 - 20 thread
3	016.174.00	Bearing
4	38.1861.00	Cam
5	013.140.00	Spring
6	004.035.00	Flat washer
7	38.1863.00	Lever
8	011.052.00	Pin
9	001.224.00	Screw
10	037.059.00	Stand off
11	38.1852.00	Cover



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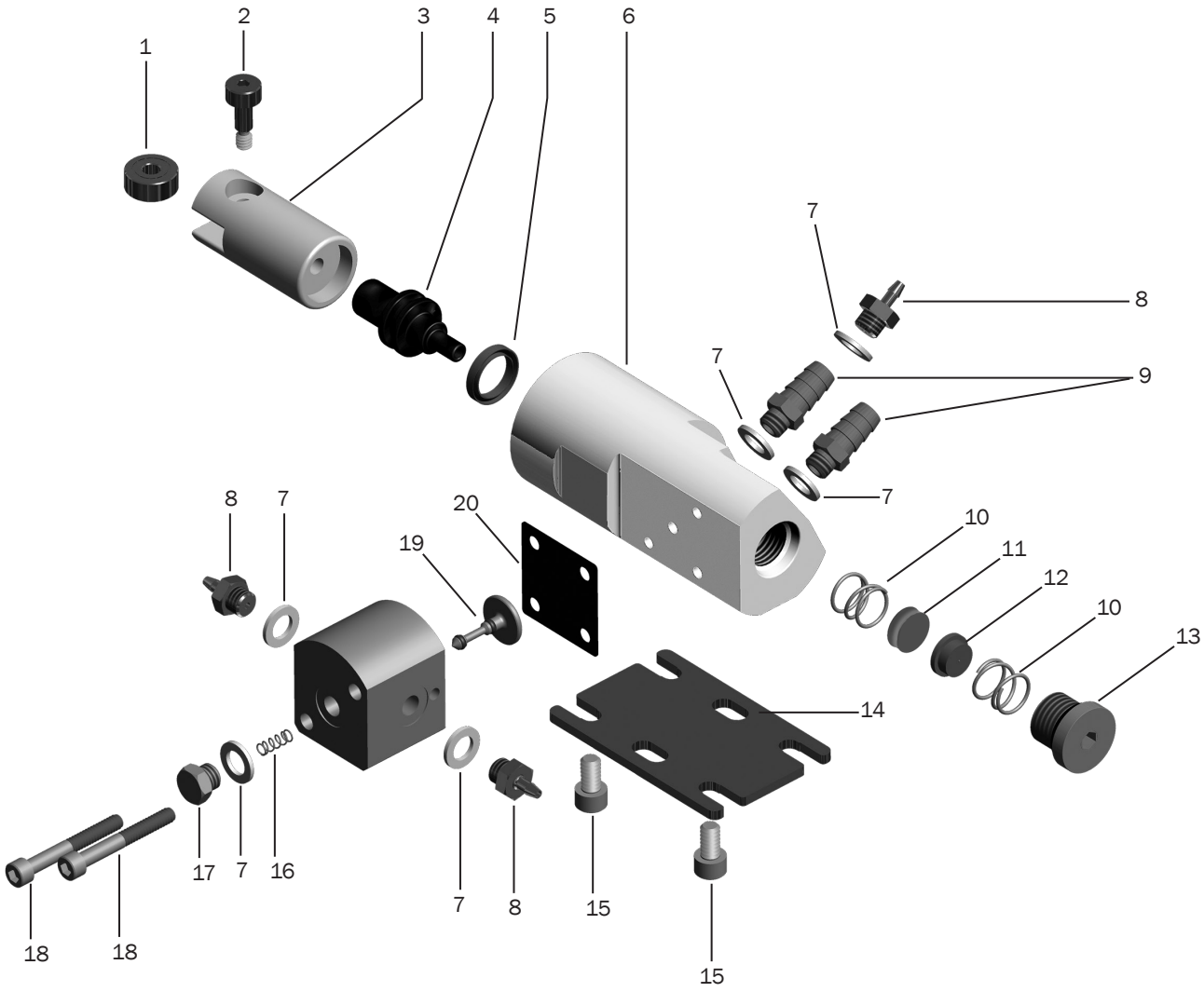
Pressure Regulator Assembly



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Pressure Regulator Assembly

p/n 38.1870.01 Pressure Regulator / 90.1510.00 Pressure Regulator Kit

Item	Part Number	Description
1	016.189.00	Bearing
2	001.291.00	Socket shoulder screw, 4-40 x 1/8 x 1/4
3	38.1855.00	Cam follower
4	38.1853.00	Piston
5	039.018.00	U-cup
6	38.1854.00	Body
7	004.005.00	Washer
8	023.004.00	1/8" Barb
9	023.805.00	5/16" Barb
10	22.0580.00	Compression spring
11	22.0060.00	Poppet
12	22.0050.00	Cap
13	021.119.00	Plug
14	38.1857.00	Plate
15	001.034.00	Socket head screw, 6-32 x 1/4
16	10.0440.00	Compression spring
17	021.016.00	Plug
18	002.102.00	Socket head screw, 4-40 x 7/8
19	22.0778.00	Valve stem with O-rings
20	38.0054.00	Diaphragm

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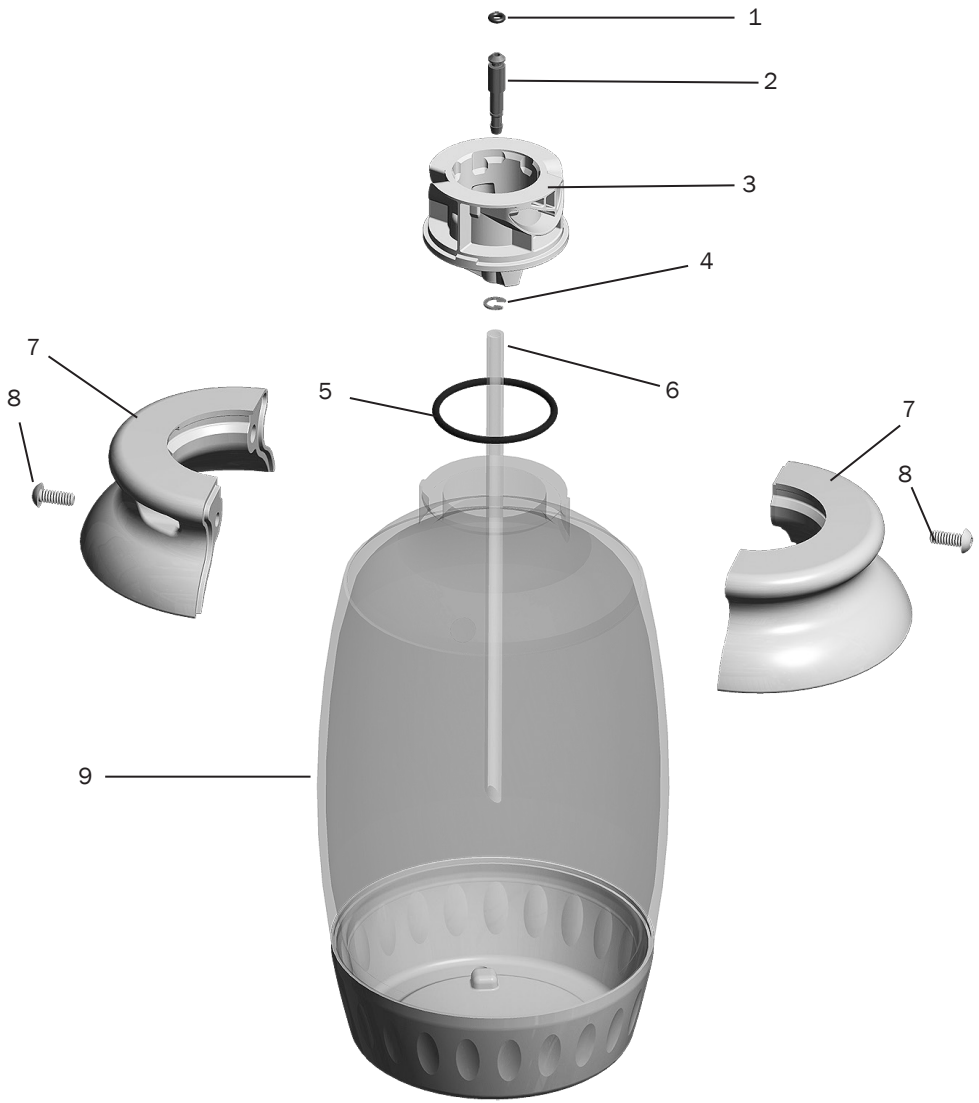
Water Bottle Assembly



p/n: 14.0503.00

Item	Part Number	Description
1	035.062.01	O-ring, pkg of 10
2	14.0457.00	Water connector
3	14.0453.00	Funnel
4	010.002.00	Retaining ring
5	031.130.01	O-ring, pkg of 10
6	14.0467.00	Supply tube
7	90.1159.01 90.1550.00	Clamp, water bottle kit, white (2 clamps and screw) Clamp, water bottle kit, surf (2 clamps and screw)
8	005.110.00	Button head socket screw, 10-32 x 1/2"
9	14.0466.00 14.0466.01	Water bottle with base, surf Water bottle with base, white

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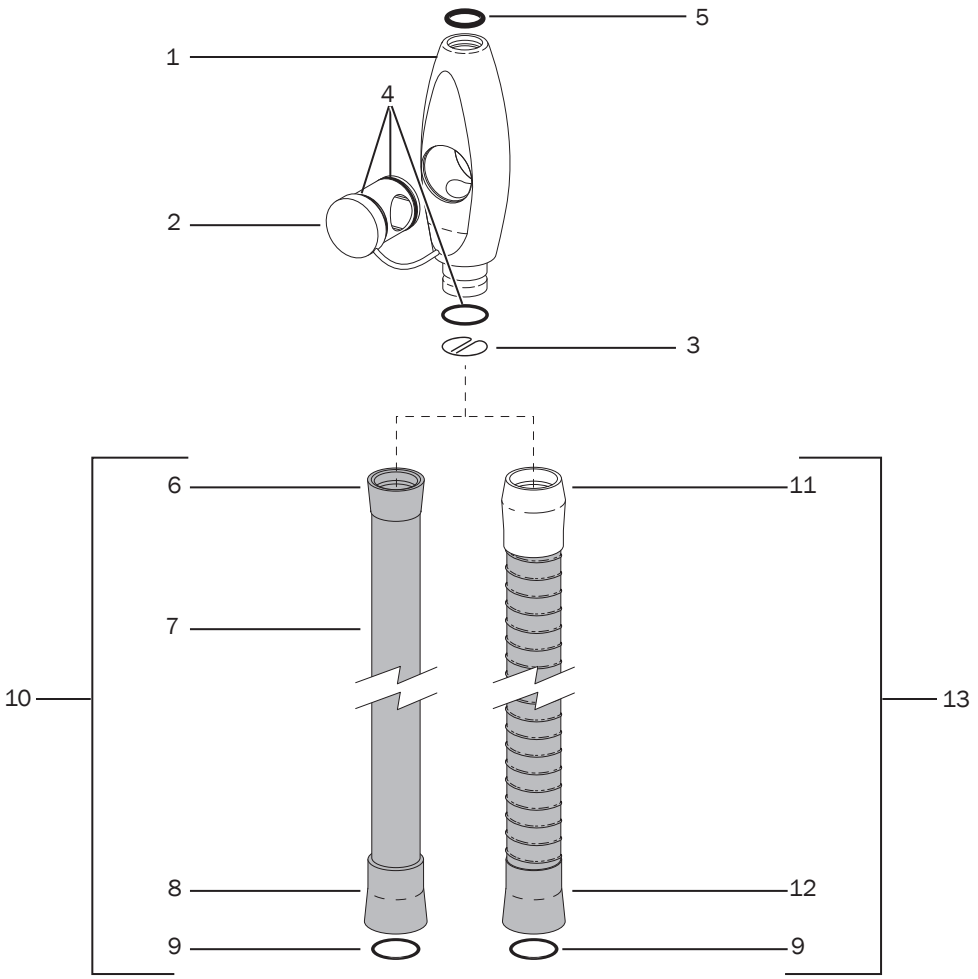
Syringes and Vacuum Instruments

Autoclavable HVE Standard and 11/15 mm



Common Components

Item	Part Number	Description
1	11.1071.00	Body, autoclavable HVE
2	11.1074.00	Rotor assembly with O-rings
3	11.0998.01	Screen, spring clip, QD, HVE, pkg of 5
4	034.014.01	O-ring, E, .489 ID x .070 W, pkg of 10
5	034.013.01	O-ring, E, .426 ID x .070 W, pkg of 10
9	034.018.02	O-ring, .739 ID x .070 W, pkg of 10

Standard - p/n 11.1296.01 (white)/11.1296.01 (surf)

Item	Part Number	Description
6	11.1027.01	Tailpiece, QD, standard HVE valve end
7	024.221.01	Tubing, 1/2 ID (10')
8	11.1300.03	Tailpiece, standard HVE, vacuum end
10	11.1292.01	Standard HVE tubing assembly

11 mm and 15 mm - p/n 11.1305.01 (white)/11.1305.00 (surf)

Item	Part Number	Description
11	11.1272.00	Tailpiece. 11 mm, valve end, HVE
12	11.1301.03	Tailpiece, vacuum/valve end, HVE, 15 mm
13	12.1239.01 11.1294.01	11 mm HVE tubing assembly (63") 11 mm HVE tubing assembly (52")

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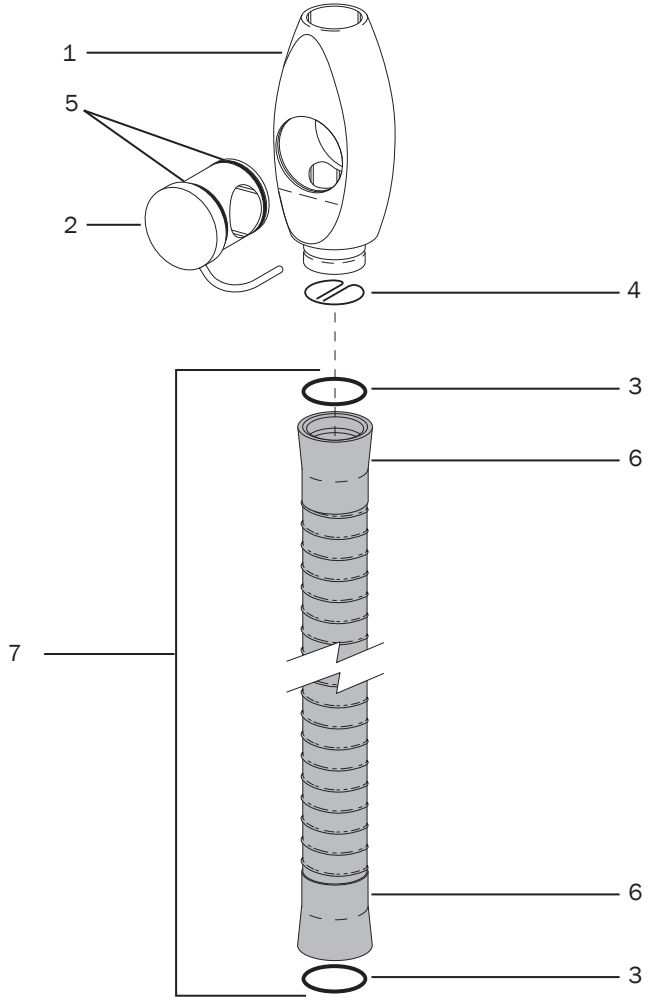
Autoclavable HVE with Large Bore 15 mm 541/545



p/n 11.1315.00

Item	Part Number	Description
1	12.1114.00	Body, autoclavable HVE, 15 mm
2	12.1116.00	Rotor assembly with O-rings
3	034.018.02	O-ring, E, .739 ID x. 070 W, pkg of 10
4	12.1109.01	Screen, spring clip, QD, 15 mm, pkg of 5
5	034.019.01	O-rings, E, .801 ID x .070 W, pkg of 10
6	11.1301.03	Tailpiece, HVE, 15 mm
7	12.1238.01 11.1293.01	Tubing, 63" Tubing, 52"

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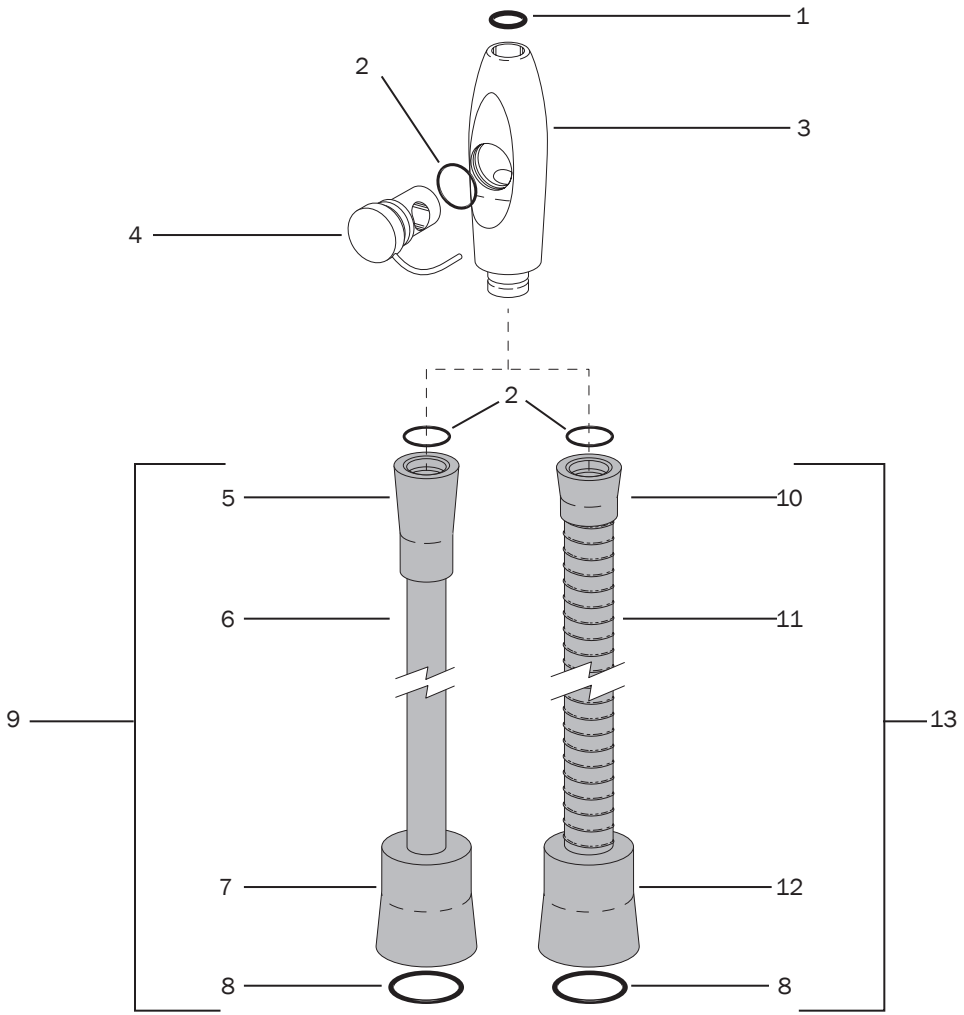
Autoclavable Saliva Ejector



Common Components

Item	Part Number	Description
1	034.107.01	O-ring E, .206 ID x .103 W, pkg of 10
2	034.012.01	O-ring E, .364 ID x .070 W, pkg of 10
3	12.1089.00	Body, with valve
4	12.1093.00	Rotor assembly, with O-rings
8	034.018.02	O-ring, pkg of 10

Standard p/n 12.1235.01

Item	Part Number	Description
5	12.1229.01	Tailpiece
6	024.218.03	Tubing (10')
7	11.1303.03	Tailpiece
9	11.1306.01	Tubing assembly

10 mm p/n 12.1236.01

Item	Part Number	Description
10	11.1283.03	Tailpiece
11	024.219.01	Tubing (10')
12	11.1302.03	Tailpiece
13	11.1307.01	Tubing assembly

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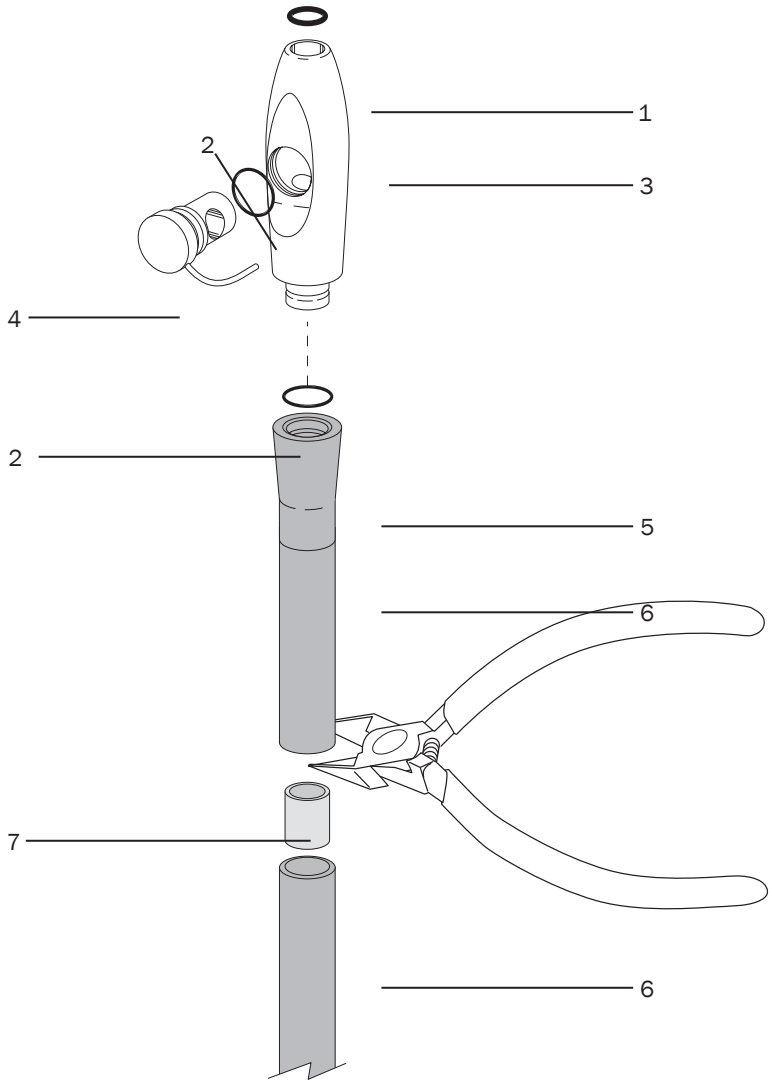
Autoclavable Saliva Ejector (AVS)



p/n: 12.1246.00

Item	Part Number	Description
1	034.107.01	O-ring E, .206 ID x .103 W, pkg of 10
2	034.012.01	O-ring E, .364 ID x .070 W, pkg of 10
3	12.1089.00	Body, with valve
4	12.1093.00	Rotor assembly, with O-rings
5	12.1087.00	Tailpiece, QD ACLV SE
6	024.218.03	Tubing, 10'
7	023.112.00	Brass Tube, 1"

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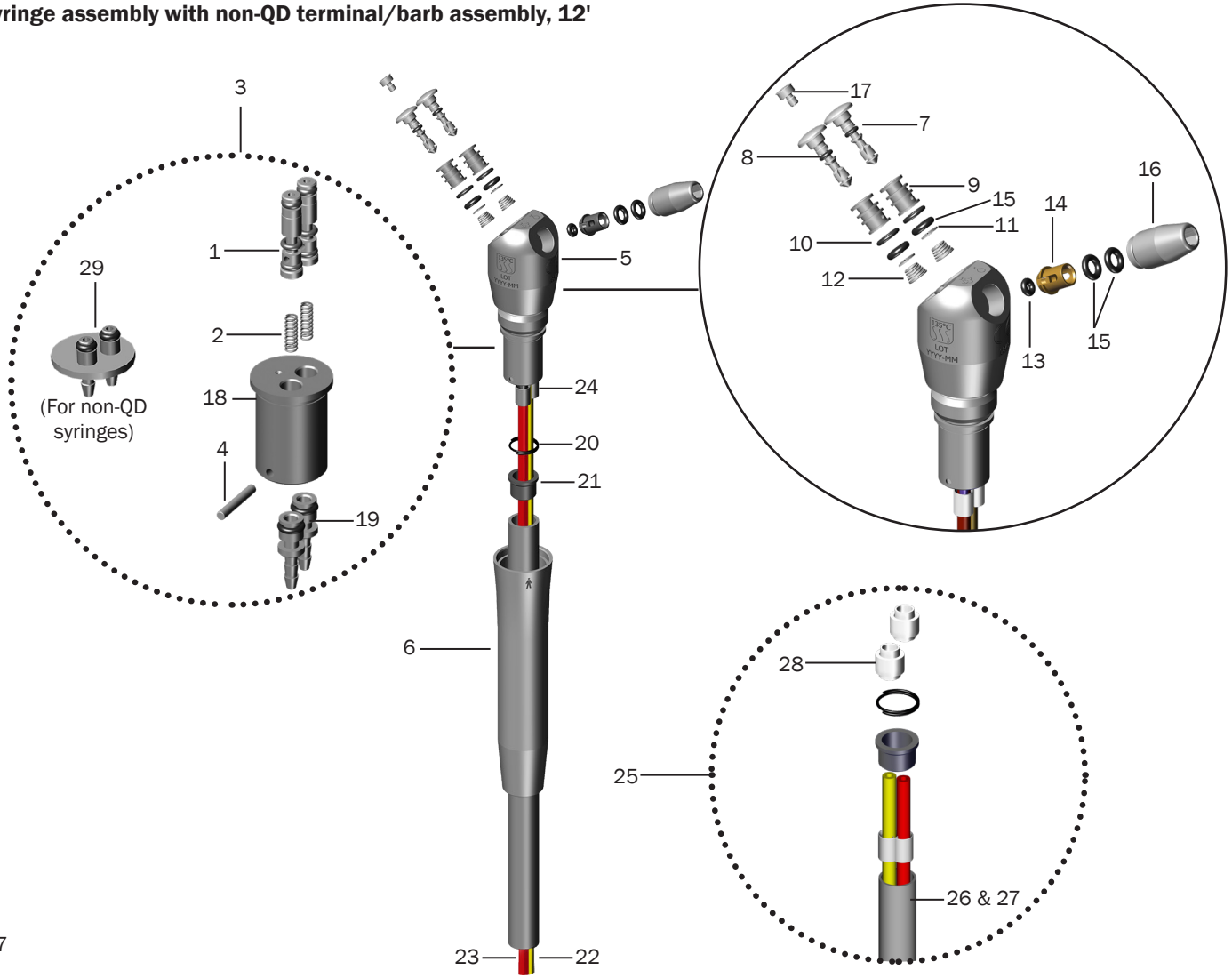
Traditional Syringes

Syringe Assemblies (with tubing)

23.1374.00 Syringe assembly with QD terminal/barb assembly, 7'
23.1402.00 Syringe assembly with QD terminal/barb assembly, 11'
23.1375.00 Syringe assembly with non-QD terminal/barb assembly, 7'
23.1376.00 Syringe assembly with non-QD terminal/barb assembly, 12'



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Traditional Syringes

Item	Part Number	Description
1	23.1064.01	Stem assembly with O-ring, package of 2
2	013.003.01	Compression spring, .088 OD x .250 stainless steel, package of 10
3	23.1406.00	Mini head QD terminal assembly (includes items 1, 2, 4)
4	011.038.00	Pin
5	23.1249.00	Traditional syringe mini head
6	23.1250.00	Syringe handle
7	23.1231.00	Syringe button valve stem with O-ring
8	035.050.01	O-ring, E1257-70, .070 ID x .040 wall, package of 10
9	23.1230.00	Spool assembly with O-ring (includes item 10)
10	035.049.01	O-ring, E1257-70, .176 ID x .040 wall, package of 10
11	010.019.00	External retaining ring, .094 ID
12	013.064.00	Conical compression spring, .247 OD x .300 free length, SST
13	034.003.01	O-ring, EPDM, .056 ID x .060 W, package of 10
14	23.1101.01	Spacer nut with O-ring (includes item 13)
15	035.062.01	O-ring, E1512-70, .114 ID x .070 wall, package of 10
16	23.1111.01	Smooth syringe nut without O-ring
17	23.1193.00	Syringe screw, 2-56
18	23.1251.00	Terminal
19	23.1068.00	Barb with O-ring
20	010.073.00	Retainer spring .320 diameter
21	23.0802.00	Retainer bushing
22	036.003.00	1/8" Yellow urethane tubing
23	036.005.00	1/8" Red urethane tubing
24	025.021.00	Sleeve clamp, 9/64 ID
25	23.1404.00	7' Syringe tubing assembly
26	024.260.01	7' Tubing only, gray 3
27	024.0260.02	12' Tubing only, gray 3
28	025.007.00	Uniclamp
29	23.1361.00	Terminal barb assembly, non-QD

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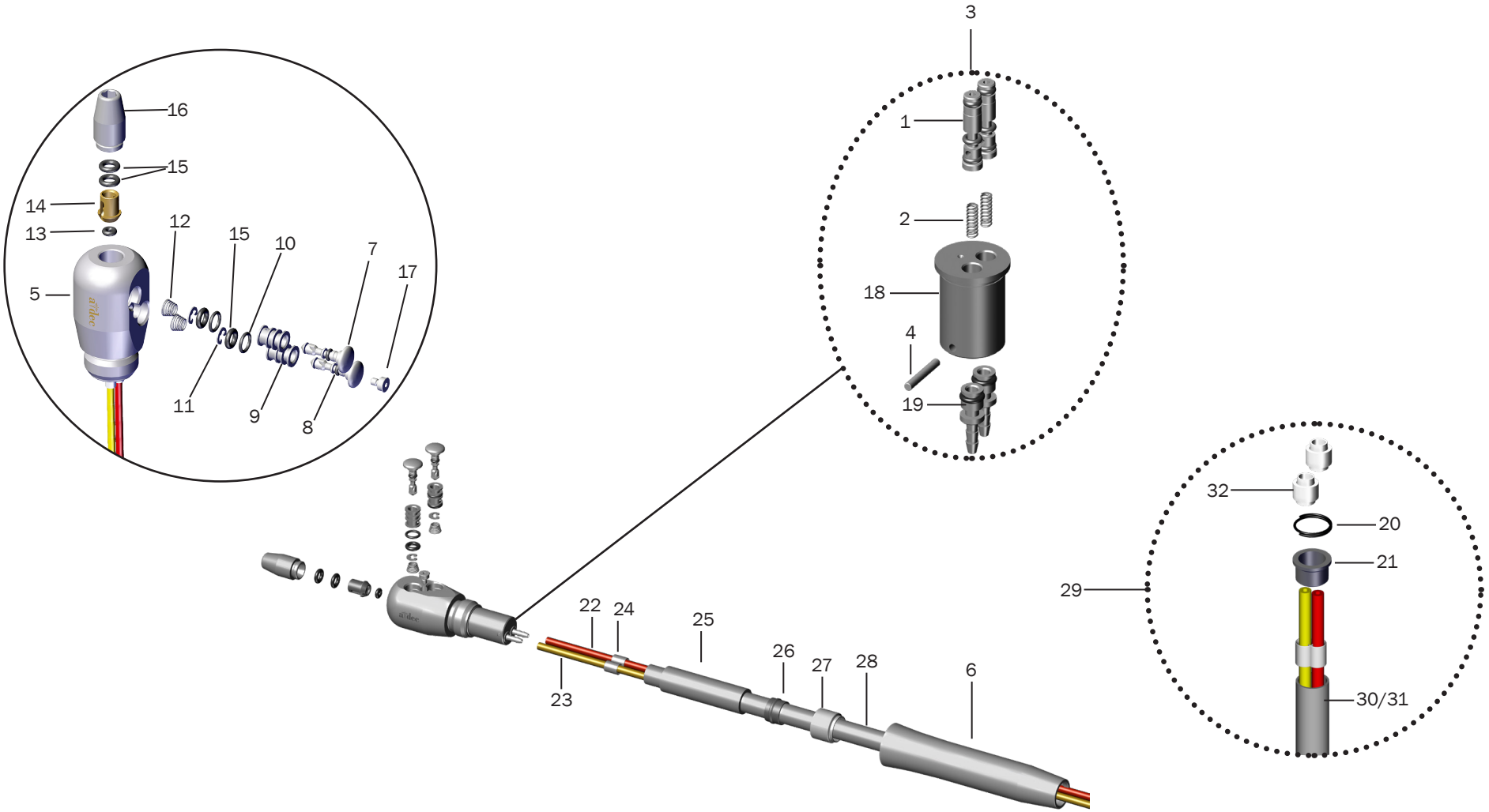
Continental Syringes

Syringe Assemblies (with tubing)

23.1373.00 Syringe assembly with QD terminal/barb assembly, 7'



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Continental Syringes

Item	Part Number	Description
1	23.1064.01	Stem assembly with O-ring, package of 2
2	013.003.01	Compression spring, .088 OD x .250 stainless steel, package of 10
3	23.1406.00	Mini head QD terminal assembly (includes items 1, 2, 4)
4	011.038.00	Pin
5	23.1248.00	Traditional syringe mini head
6	23.1250.00	Syringe handle
7	23.1231.00	Syringe button valve stem with O-ring
8	035.050.01	O-ring, E1257-70, .070 ID x .040 wall, package of 10
9	23.1230.00	Spool assembly with O-ring (includes item 10)
10	035.049.01	O-ring, E1257-70, .176 ID x .040 wall, package of 10
11	010.019.00	External retaining ring, .094 ID
12	013.064.00	Conical compression spring, .247 OD x .300 free length, SST
13	034.003.01	O-ring, EPDM, .056 ID x .060 W, package of 10
14	23.1101.01	Spacer nut with O-ring (includes item 13)
15	035.062.01	O-ring, E1512-70, .114 ID x .070 wall, package of 10
16	23.1111.01	Smooth syringe nut without O-ring
17	23.1193.00	Syringe screw, 2-56
18	23.1251.00	Terminal
19	23.1068.00	Barb with O-ring
20	010.073.00	Retainer spring .320 diameter
21	23.0802.00	Retainer bushing
22	036.003.00	1/8" Yellow urethane tubing
23	036.005.00	1/8" Red urethane tubing
24	025.021.00	Sleeve clamp, 9/64 ID
25	036.121.00	Gray 5/16" urethane tubing
26	23.1253.00	Retainer bushing
27	23.1271.00	Sheath
28	23.1300.00	Silicone sheath, 8.5 mm ID, Gray 3

Item	Part Number	Description
29	23.1404.00	7' Syringe tubing assembly
30	024.260.01	7' Tubing only, gray 3
31	024.0260.02	12' Tubing only, gray 3
32	025.007.00	Uniclamp

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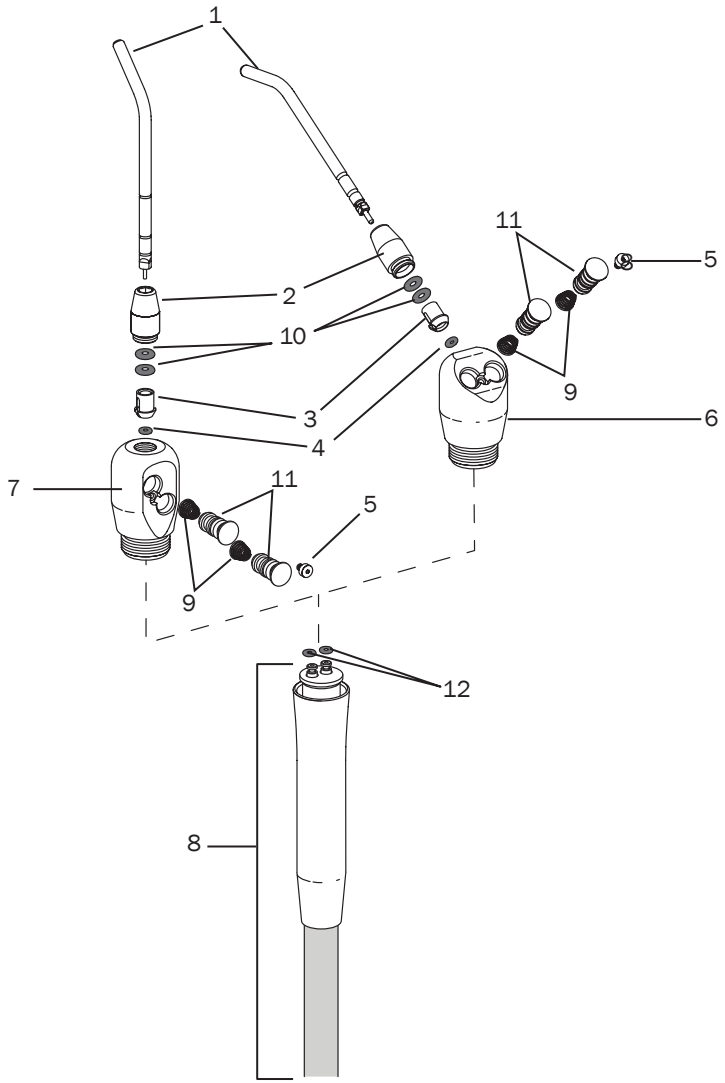
Traditional and Continental Warm Water Syringes



Item	Part Number	Description
1	23.0872.01	Syringe tip, pkg of 5
2	23.1111.01	Syringe nut, smooth, with O-ring
3	23.1101.01	Spacer, syringe nut
4	034.003.01	O-ring, EPDM, .056 ID x .060W, pkg of 10
5	23.1193.01	Screw, 2-56, syringe, pkg of 5
6	23.1278.00	Warm water Traditional syringe head kit
7	23.1277.00	Warm water Continental syringe head kit
8	23.1284.00 23.1301.01	Tubing assembly, surf (use with 532, 533, 541) Tubing assembly, gray 3 (use with 532, 533, 541)
	23.1279.01	Tubing assembly, warm water, surf6
	23.1285.00 23.1299.00	Tubing assembly, surf (use with 545) Tubing assembly, gray 3 (use with 545)
9	013.064.01	Spring, compression, conical, pkg of 10
10	035.062.01	O-ring, .114 ID x .070 W, pkg of 10
11	23.1232.01	Valve, assembly button, autoclavable, pkg of 2
12	030.002.02	O-ring, pkg of 10

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Floor Boxes

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Floor Box

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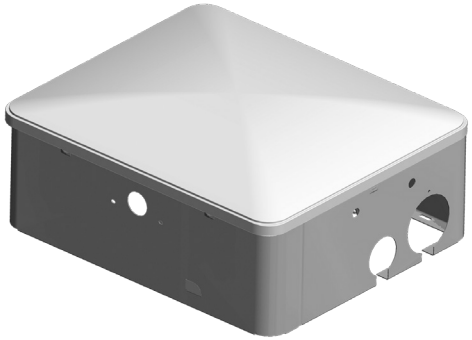
Remote Floor Box



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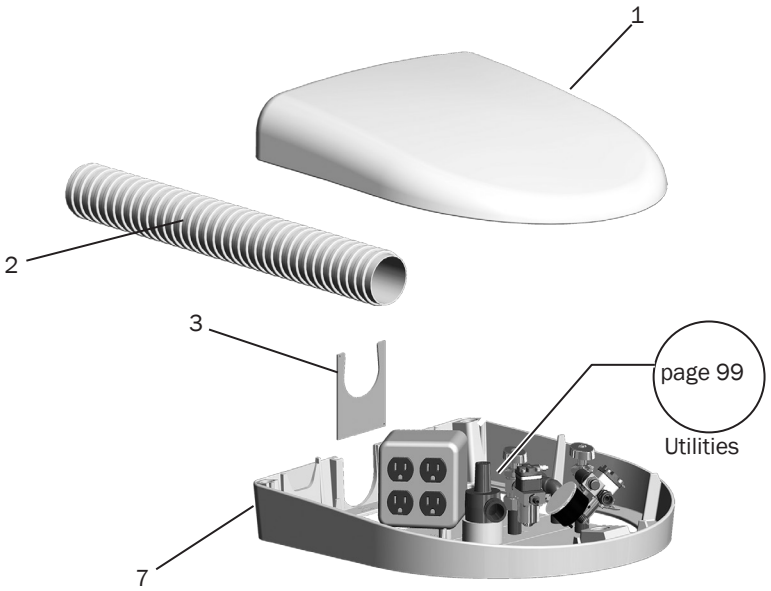
Floor Box



Item	Part Number	Description
1	41.1464.02	Utility cover
2	024.246.00	Tubing, 3" OD
3	41.1476.00	Clip
4	41.1467.00	Floor box base

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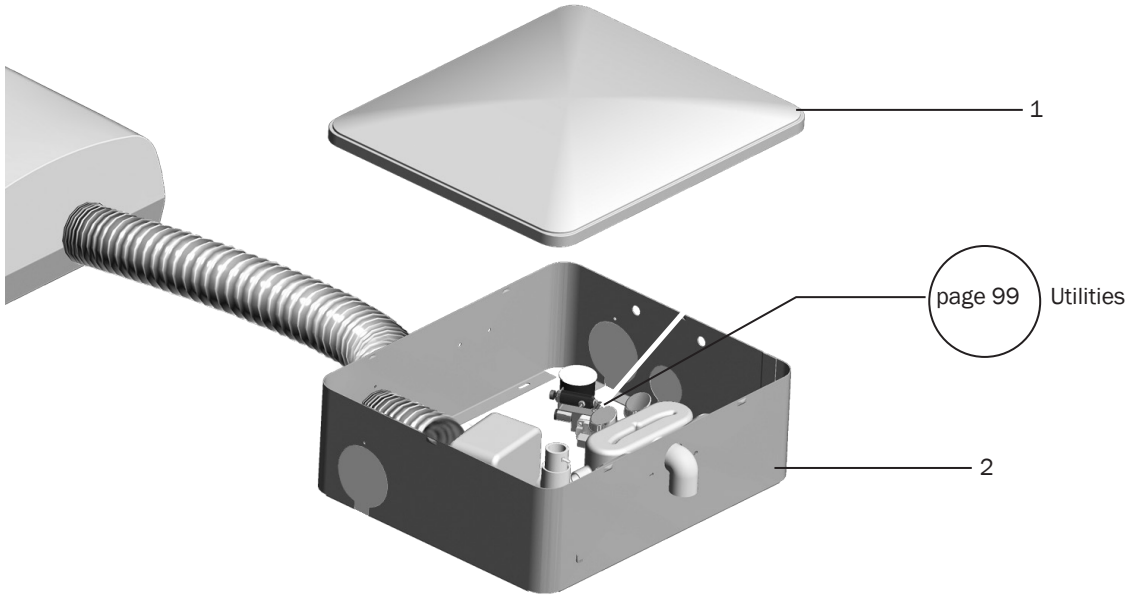
Remote Floor Box



Item	Part Number	Description
1	41.0413.01	Cover
2	41.1507.00	Floor box frame

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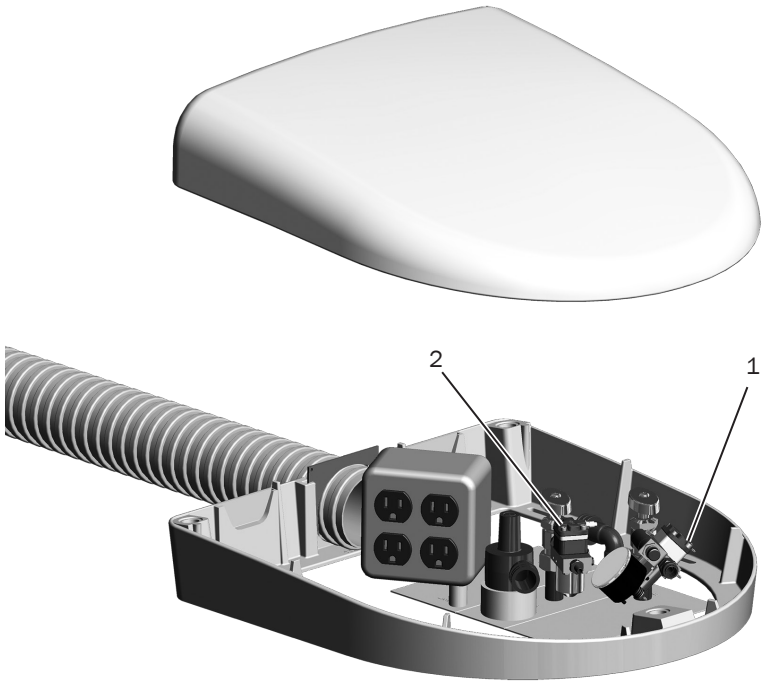
Utilities

Item	Part Number	Description
1	24.0475.00	Air filter regulator assembly 500
2	24.0474.00	Water filter regulator assembly



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reliablecreativesolutions®

A-dec Headquarters
2601 Crestview Drive
Newberg, Oregon 97132
United States
Tel: 1.800.547.1883 within USA/CAN
Tel: +1.503.538.7478 outside USA/CAN
Fax: 1.503.538.0276
www.a-dec.com

A-dec Australia
Unit 8
5-9 Ricketty Street
Mascot, NSW 2020
Australia
Tel: 1.800.225.010 within AUS
Tel: +61.(0).2.8332.4000 outside AUS

A-dec China
A-dec (Hangzhou) Dental Equipment Co., Ltd.
528 Shunfeng Road
Qianjiang Economic Development Zone
Hangzhou 311100, Zhejiang, China
Tel: 400.600.5434 within China
Tel: +86.571.89026088 outside China

A-dec United Kingdom
Austin House, 11 Liberty Way
Nuneaton, Warwickshire CV11 6RZ
England
Tel: 0800.ADEC.UK (2332.85) within UK
Tel: +44.(0).24.7635.0901 outside UK

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