



SPARTAN

FOR TOUGH CUSTOMERS.

SINCE 1943



SERVICE MANUAL

Traveler 3.0

Spartan Tool LLC | 1618 Terminal Road | Niles, MI 49120
order by phone **800.435.3866** order online **SpartanTool.com**

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Part #64200010



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SPECS

Pipe Sizes	4" to 12" diameter
Resolution	976 x 496
Push Rod	200' of super strong yet slim profile push rod with space-efficient inner core design; optional Trap-Eze® 3.0 mini-camera available in 50' length for the smallest lines
Weight	46 lbs complete with Apple® iPad or Samsung Galaxy Tab®
Size	22.5" W x 26" H x 12" D
Monitor	Apple® iPad (9.7") or Samsung Galaxy Tab® (9.7")
Camera Head	40mm diameter self-leveling color camera head with high-intensity LEDs

FEATURES

- Stronger yet thinner profile push rod with a removable, replaceable reel for quick changes in the field
- Touchscreen control of all features
- Telestrator technology allows you to highlight any problem with the touch of a finger
- On-screen, full QWERTY keyboard
- Included camera head delivers higher quality video with 500,000 pixels and high-intensity 84,830 lux LEDs for improved visibility
- Interchangeable, easily detachable camera heads available in highly customizable configurations: various sizes available with or without self-leveling and sonde
- Sapphire glass lens reduces scratching
- Waterproof, self-leveling camera head
- 512 Hz locating beacon
- Robust waterproof connectors
- More stable Wi-Fi connectivity
- 110 volt or battery operation
- Up to six hours of battery life on a single charge
- Freeze-frame snapshot capability at any time
- Add text at any time to any video or snapshot
- Changeable font sizes, colors and locations
- Easily removeable Apple® iPad or Samsung Galaxy Tab® communicates via Wi-Fi router connection, allowing you to move anywhere on the job site
- Full tablet capabilities allow you to email a recorded video at any time
- Camera centering guide included
- On-screen, repositionable footage counter
- Camera light intensity rheostat
- Lithium-ion battery technology
- Built-in transport cart with extending handle and high-clearance wheels
- Heavy-duty rotationally molded case protects unit in harshest conditions
- Improved rubber wheels are stronger and more durable with bearings for smoother, quieter movement

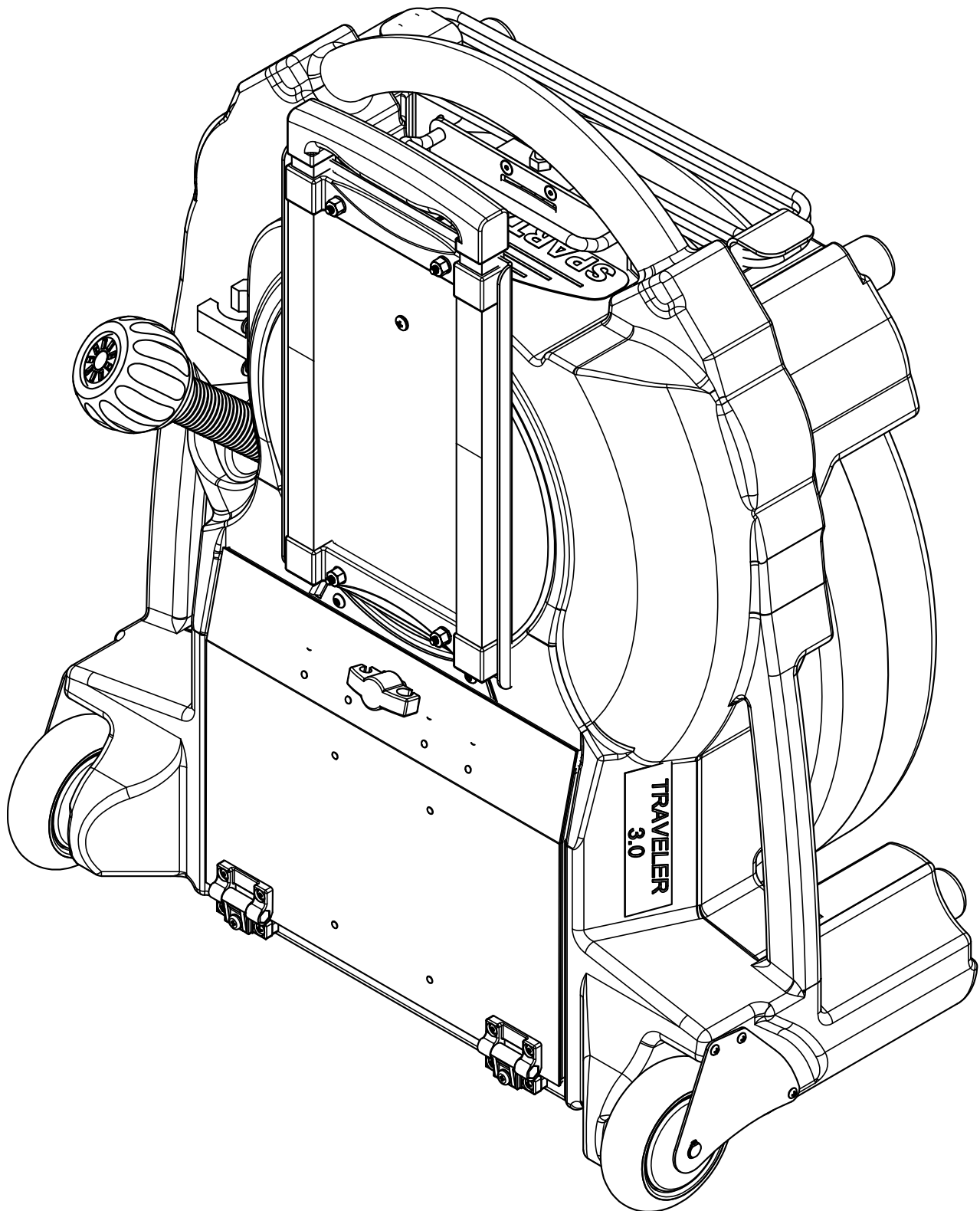
OPTIONAL ITEMS

- Trap Eze® 3.0 mini-camera available in 50' length for the smallest lines
- Locator with four frequencies: 512B Hz (beacon), 33B kHz (beacon), 65 kHz, 60 Hz, 150 Hz, 120 Hz



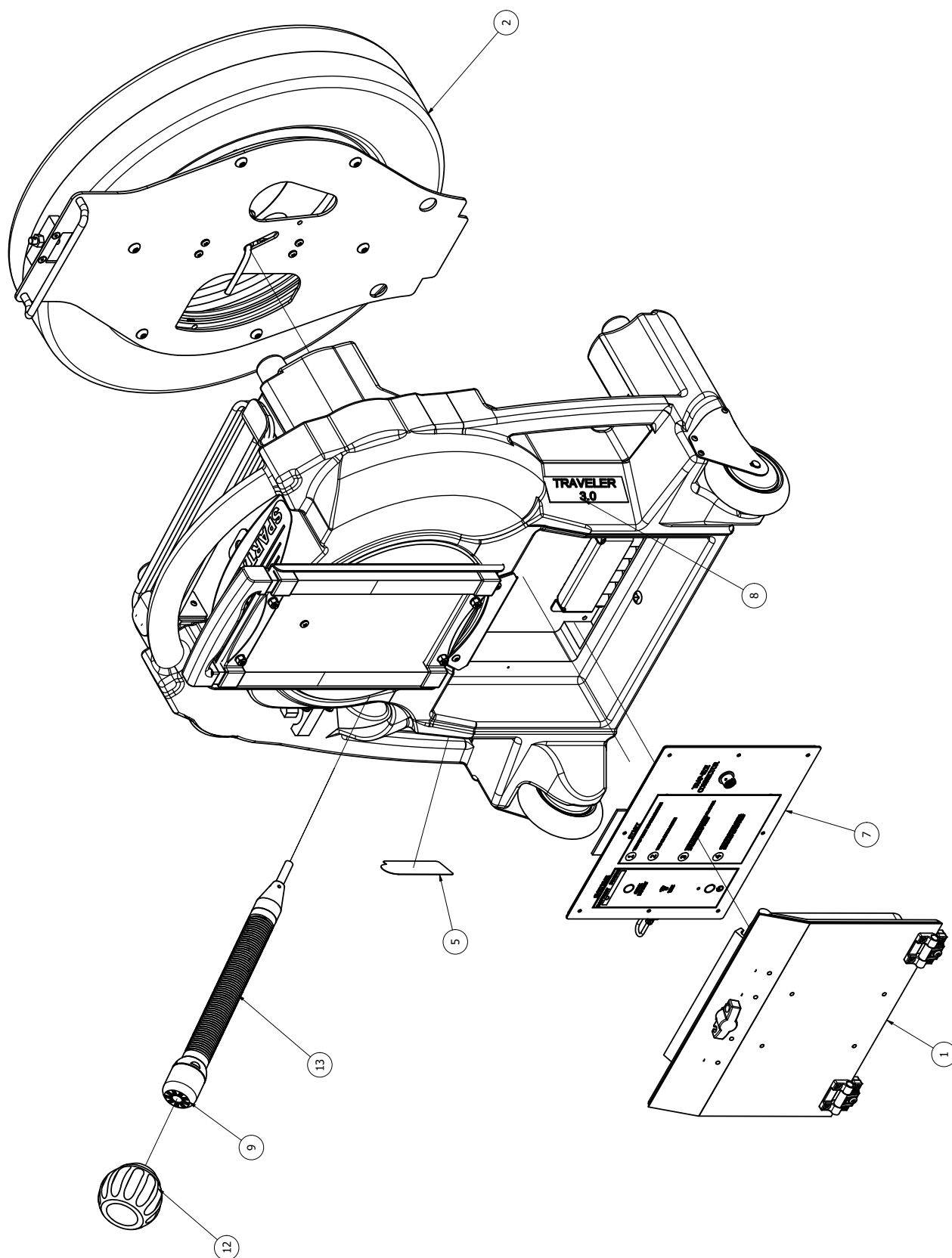
Final Assembly

FINAL ASSEMBLY (64300000)



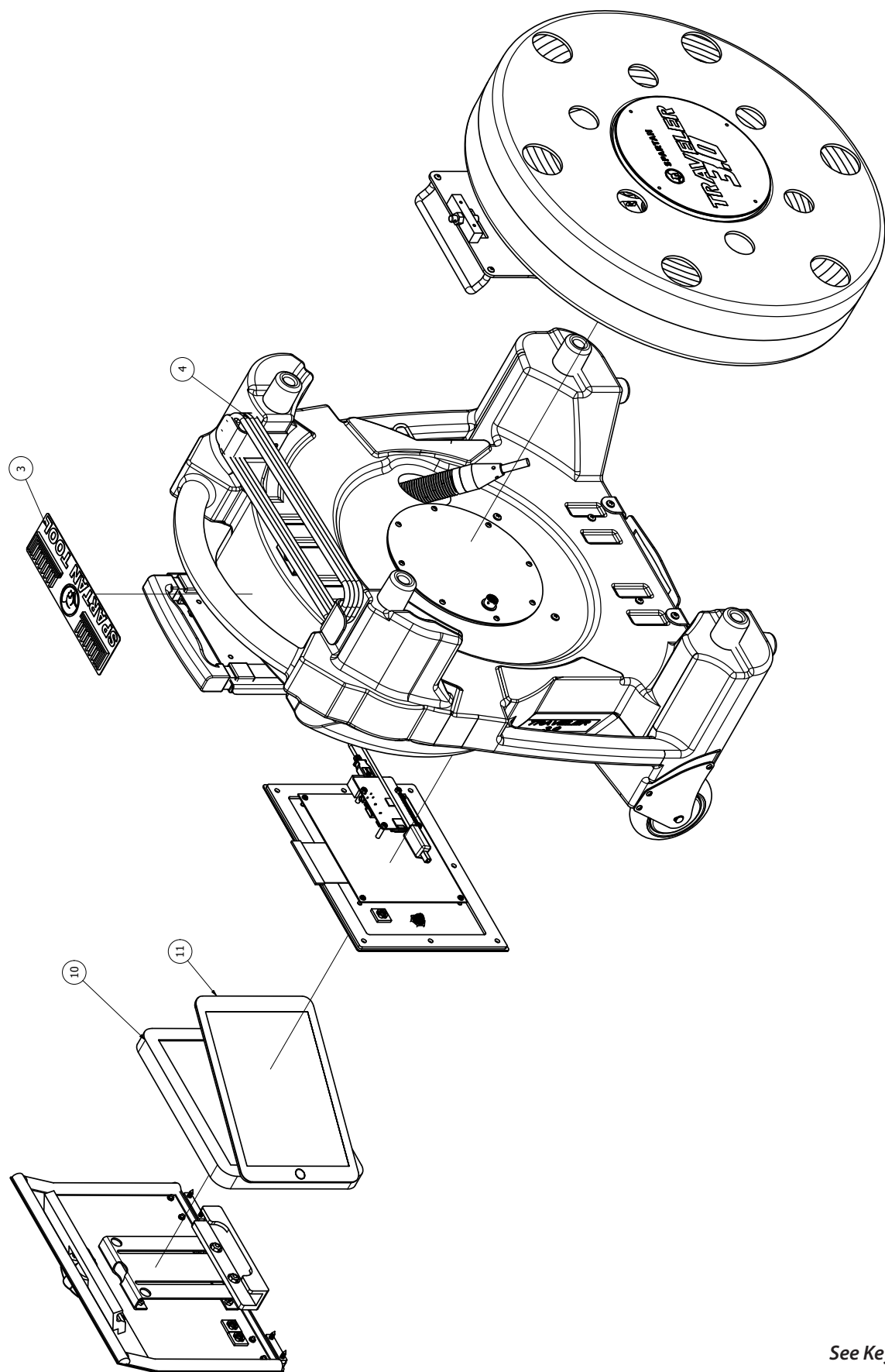
See Key on pg. 7

Traveler 3.0 Final Assembly



See Key on pg. 7

Traveler 3.0 Final Assembly



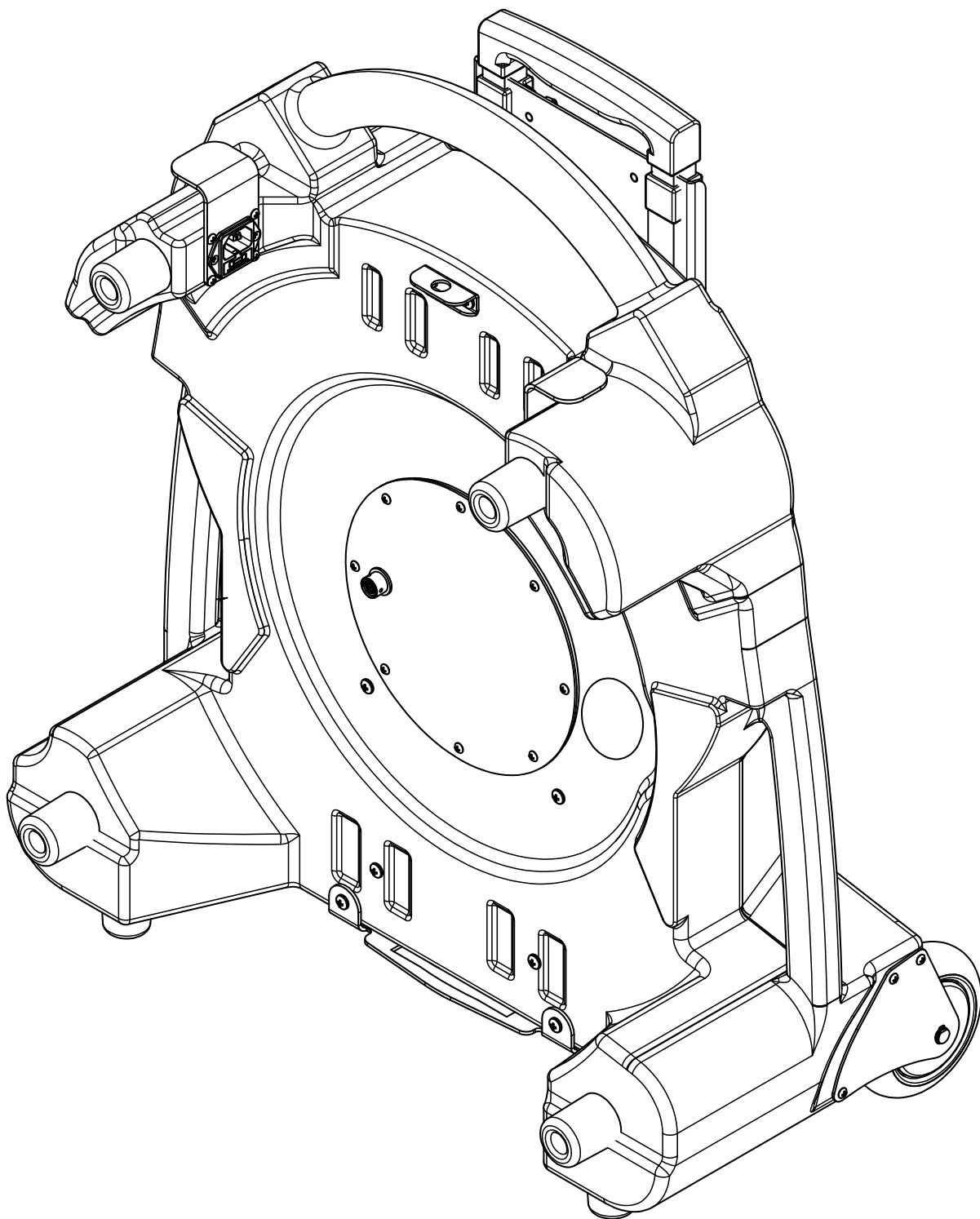
See Key on pg. 7

Key for Drawings on pg. 4-6

Item	Part Number	Description	Qty.
1	64050018	Lid Assembly, Traveler 3	1
2	64066619	Drum Assembly Traveler 3	1
3	64060023	Top Decal, TVR3	1
4	64020010	AC Power Cord, 118" – 10A, 125 v - Red	1
5	64050023	Decal, Side Plate – Serial	1
7	64060018	Control Panel	1
8	64060011	Decal, Traveler 3	1
9	64066614	Camera Head, 40mm, TVR3	1
10	64020810	Tough case, iPad Gen 9	1
11	64020800	iPad, 32GB Gen 9	1
12	64066607	Centering Guide	1
13	64066612	Flexlink w/ Sonde, TVR3	1

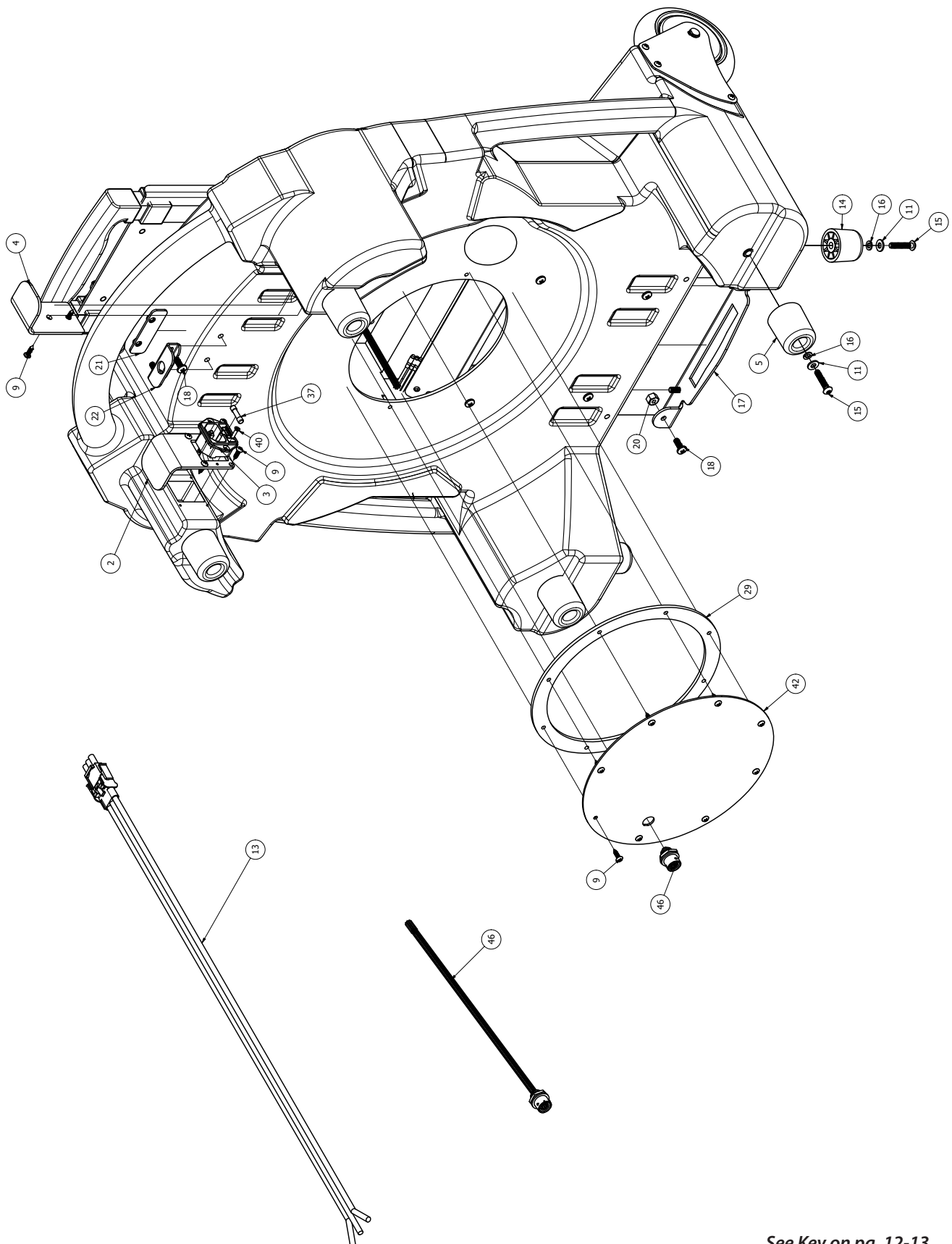
Assembly, Base Traveler

ASSEMBLY, BASE TRAVELER (64028100)



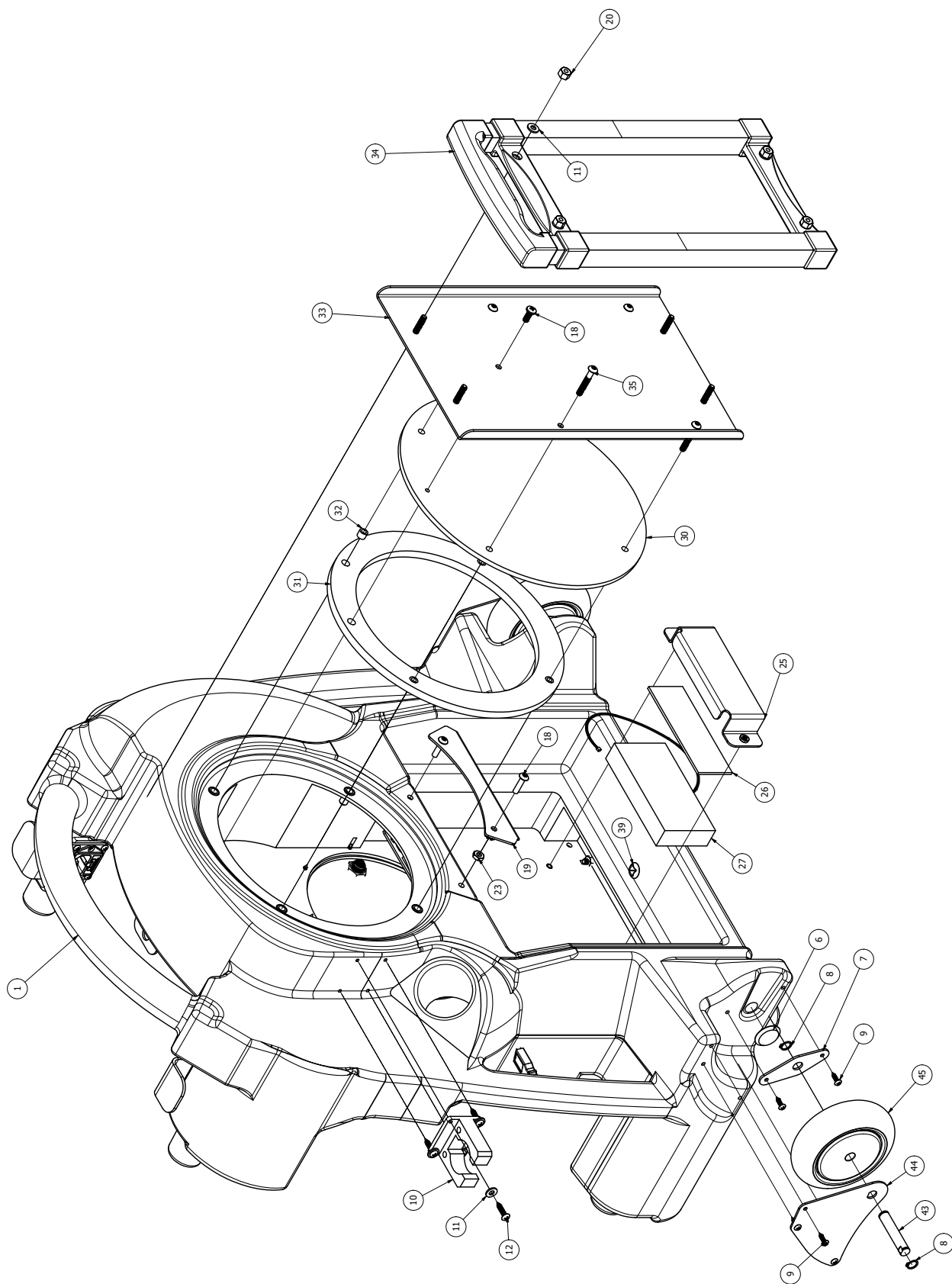
See Key on pg. 12-13

Assembly, Base Traveler



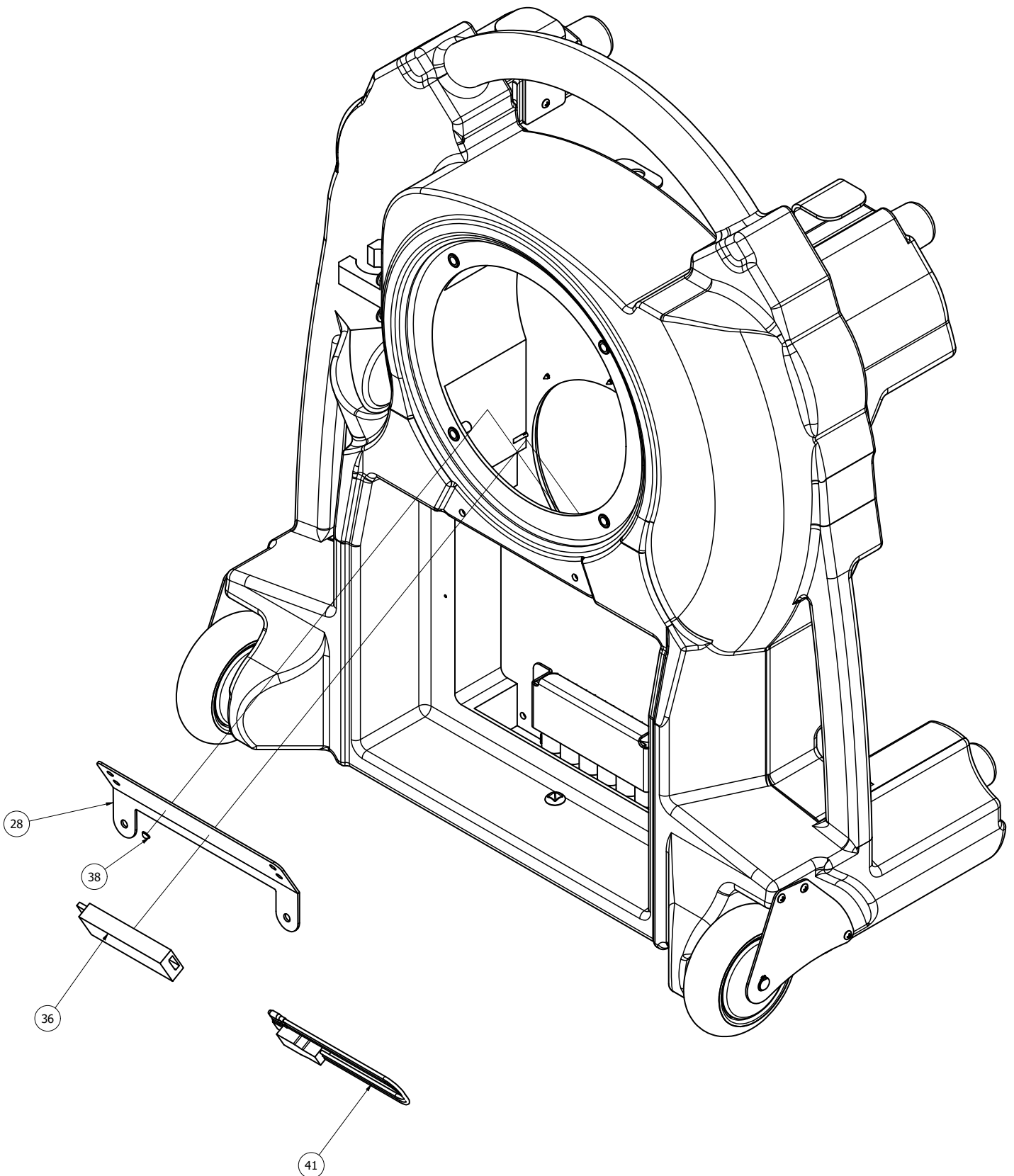
See Key on pg. 12-13

Assembly, Base Traveler



See Key on pg. 12-13

Assembly, Base Traveler



See Key on pg. 12-13

Assembly, Base Traveler

Key for Drawings on pg. 8-11

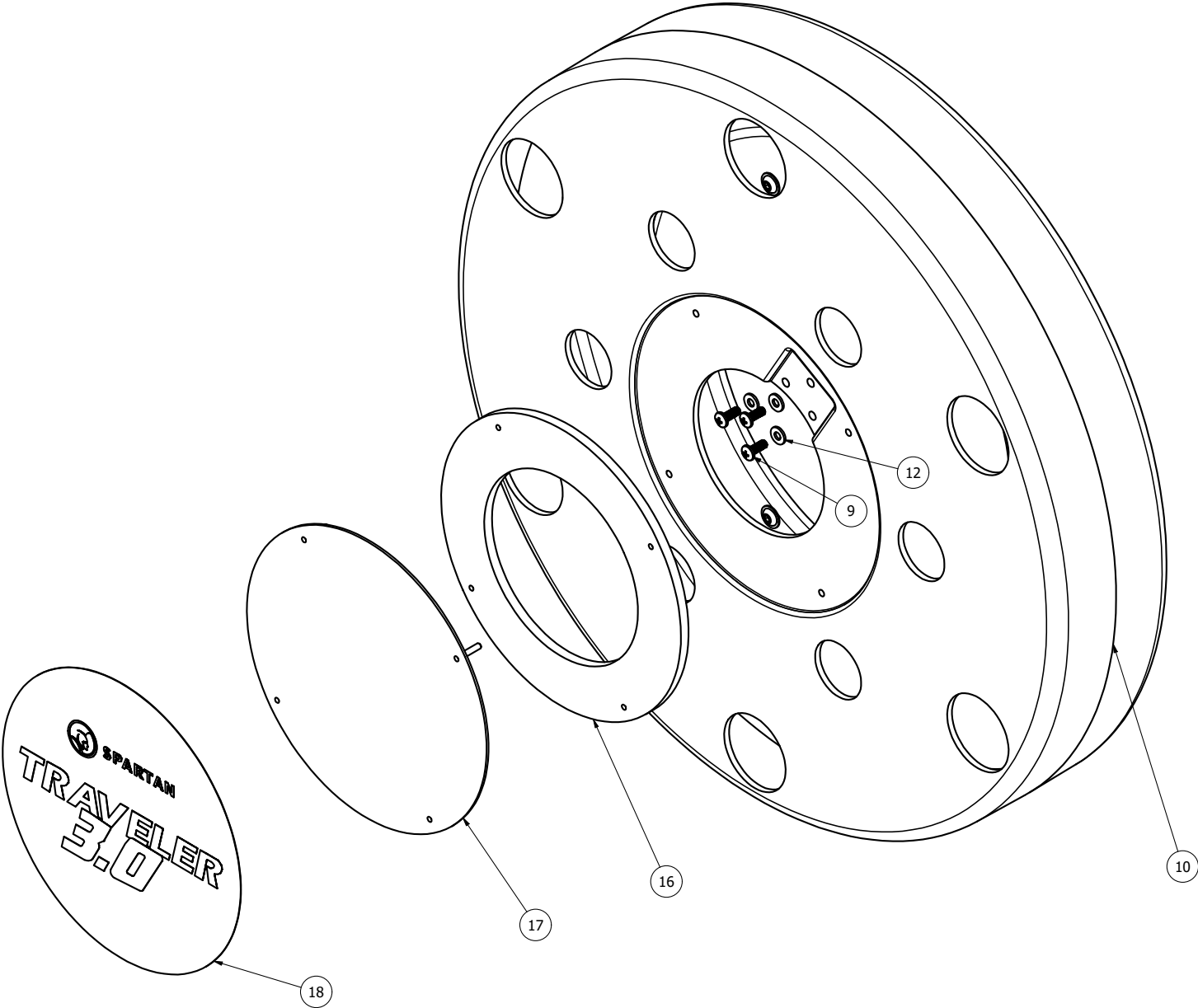
Item	Part Number	Description	Qty.
1	64050056	Base, Machined-Phase 3 Traveler	1
2	64050000	Bracket, AC Receptacle	1
3	64050077	Connector, Power Entry	1
4	64050004	Bracket, AC Power Cord	1
5	64050005	Foot, Round HGT 1.50	4
6	64022620	Plug, ½" Dia - Black	1
7	64022410	Plate, Interior Wheel Mount	2
8	64022430	Snap Ring, External – ⅜" Shaft – SS	4
9	64050028	#4 x ½ McMaster #90356A215	24
10	64026100	Rubber Clamp	1
11	64050014	Washer, #10 S'STL / Black	16
12	64050029	Screw #8 X ¾ Black	4
13	64050045	Cable, AC Harness Assembly	1
14	64050012	Foot, Round HGT 1.125	4
15	64050021	Screw #10x32x1 Button Head	8
16	64021080	Lock Washer, #10 Aluminum	8
17	64050066	Bracket, Drum Plate Mounting	1
18	64050020	#10-32 ½" Button Head Screw BLK SS	11
19	64050007	Plate, Pawl Latch	1
20	64027400	Nut, Nylon Lock – 10-32 – BLK Alum	8
21	64050067	Plate, Backup Lock Latch	1
22	64050068	Plate, Lock Latch	1
23	03850100	Nut, Hex KEP 10-32	2
24	64060007	Cable, Interface board, TVR3	1
25	64050042	Bracket, Mounting Battery 6 Cell	1
26	64050054	Rubber Insulator	1
27	64050035	Battery ASM 6 Cell Traveler	1
28	64050041	Bracket, Mounting Video Capture	1
29	64050061	Gasket, Base Cover Phase – 3	1
30	64050073	Plate, Circle Handle MTG.	1
31	64050010	Gasket, Circle Cover Sparvision	1
32	64050031	Spacer, Unthreaded #10	4

Assembly, Base Traveler

Item	Part Number	Description	Qty.
33	64050008	Plate, Handle Support Assembly	1
34	64050011	Telescoping Handle, Modified	1
35	64050025	Crew 10 x 32 x 1.5	4
36	64050044	Module, Video Capture	1
37	64050078	Fuse, Cartridge	2
38	64050111	Foot, Rubber Dome	1
39	62021900	Bushing, Strain Relief	1
40	64023700	Screw, SHT Metal - #4 X ½" Blck	2
41	64050052	Cable, USB 2.0 A/M to A/F	1
42	64066632	Assy, Base Cover & Cable	1
43	64066603	Axle, Wheel, TVR3	2
44	64066602	Plate, Exterior Wheel Mount, TVR3	2
45	64066604	Wheel, TVR3	2

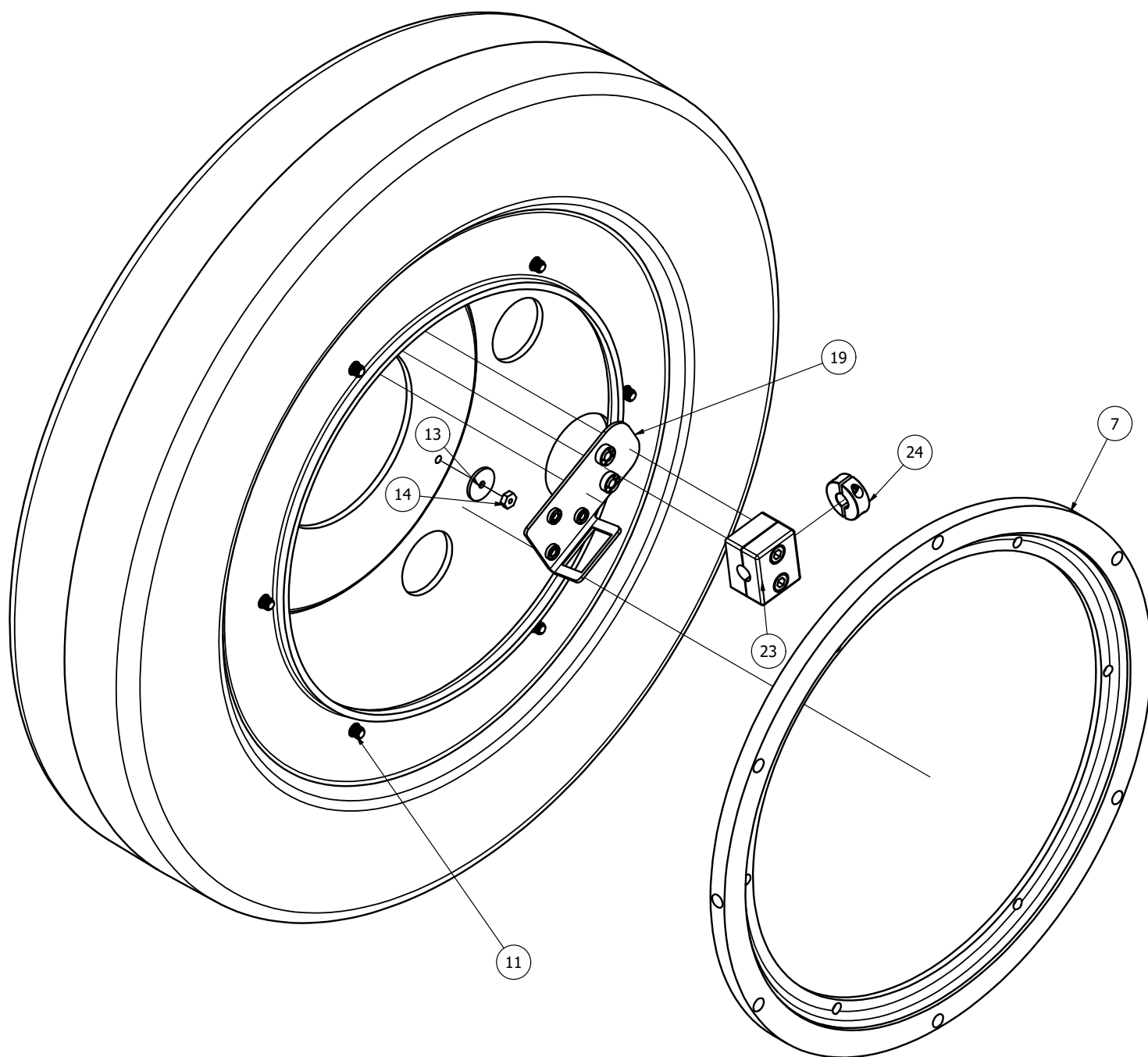
Drum Assembly

DRUM ASSEMBLY (64066619)



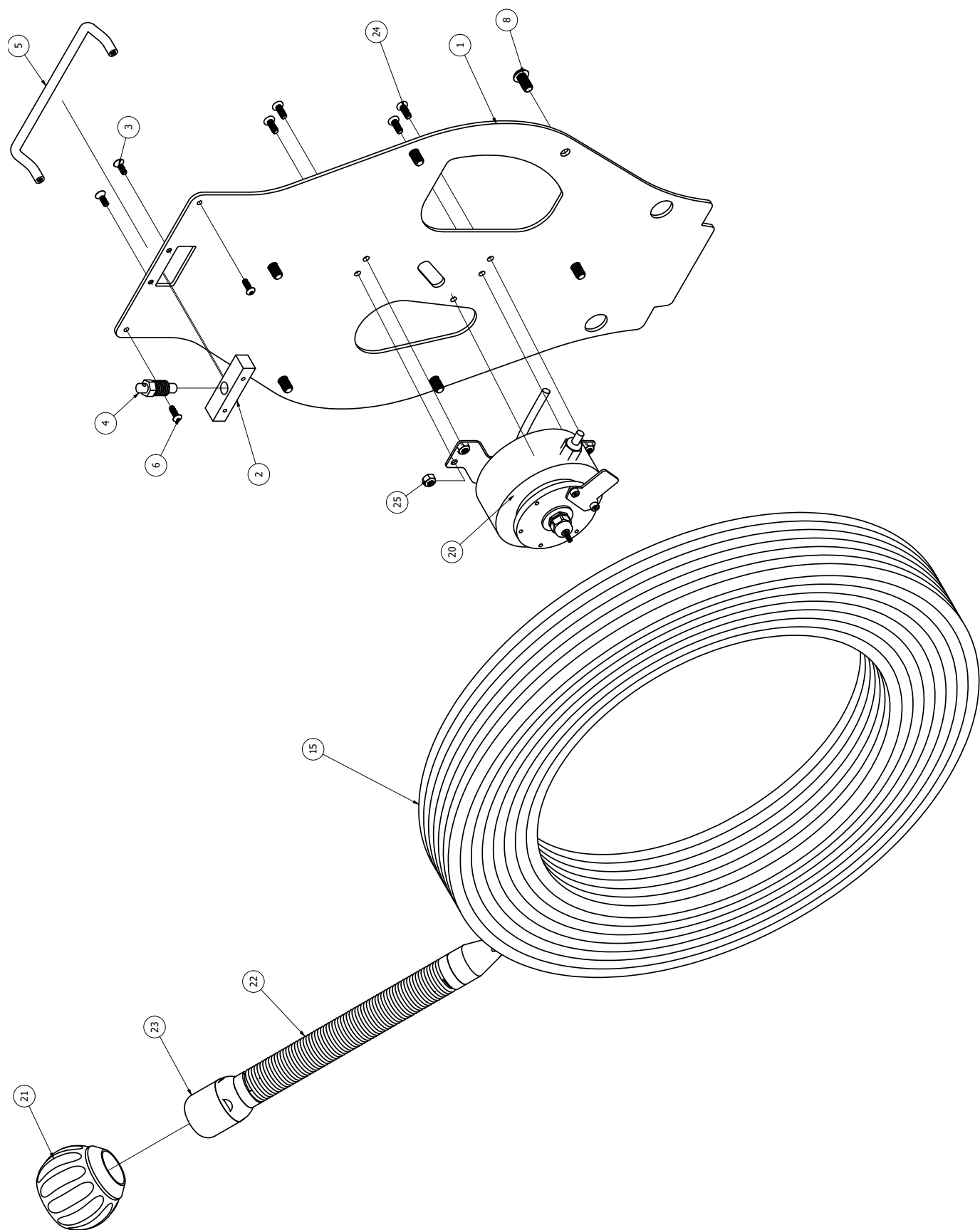
See Key on pg. 17

Drum Assembly



See Key on pg. 17

Drum Assembly



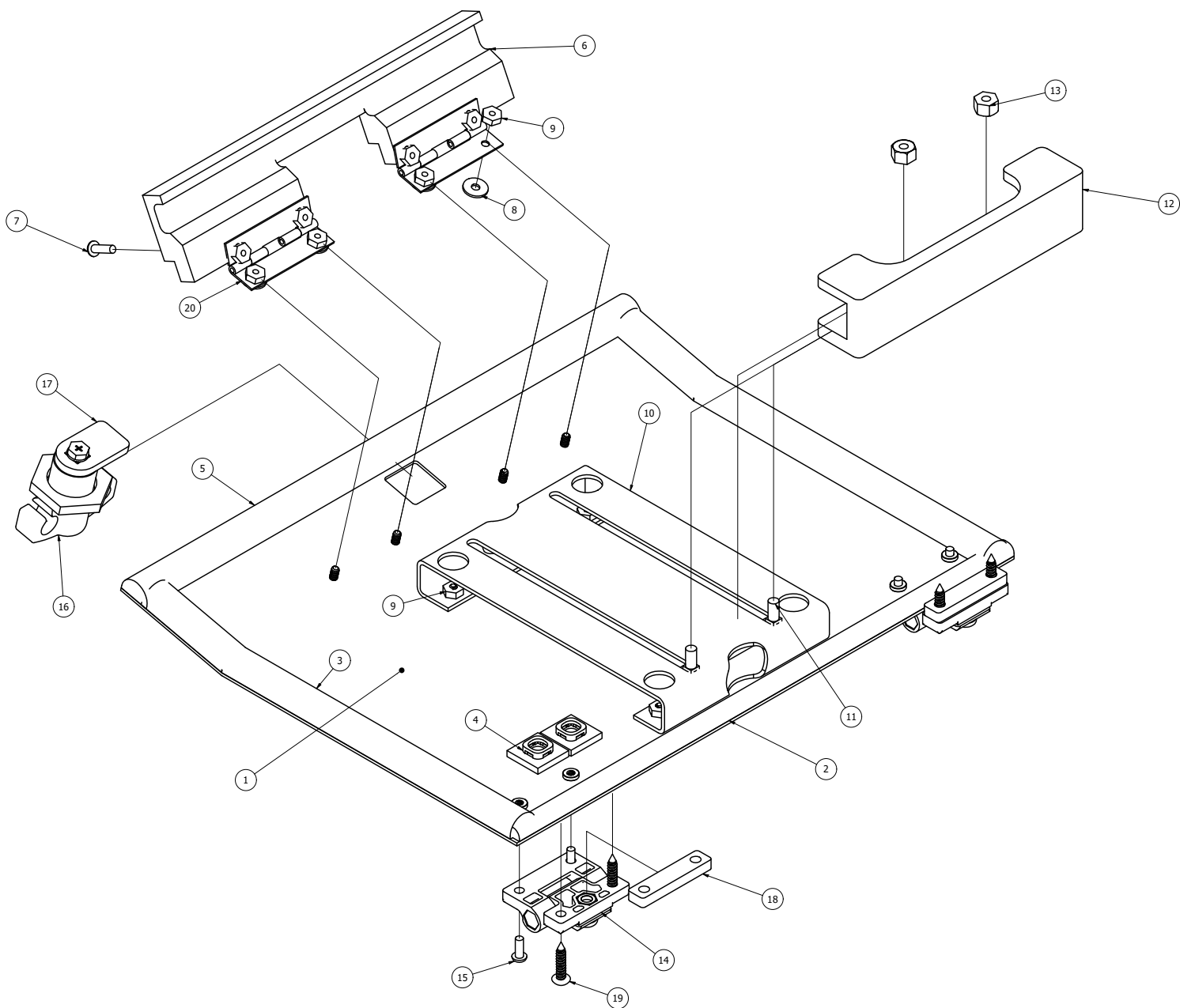
See Key on pg. 17

Key for Drawings on pg. 14-16

Item	Part Number	Description	Qty.
1	64060006	Plate, Drum Mounting TVR3	1
2	64050060	Block, Licking Pin	1
3	64050084	Screw, 8-32 X 1/2 FH	2
4	64050075	Pin, Plunger Lock	1
5	64050074	Handle, Carry Drum	1
6	64050083	Screw, 8-32 x 1/2 BHCS	2
7	64021300	Bearing, Large Diameter Turntable	1
8	64050089	Screw, 5/16" x 5/8"	6
9	64050020	#10-32 1/2" Button Head Screw Black SS	3
10	64050050	Drum, Traveler	1
11	64050091	1/4-20-3/8 Flange Button Head Screw	6
12	64050014	Washer, #10 S'STL/Black	3
13	64050090	Washer, Drum Cover	4
14	64022780	Locknut, 6-32 Nylon Insert	4
15	64066606	Push Rod, 9 mm X 200'TVR3	1
16	64066623	Spacer, Drum Cover	1
17	64066624	Plate, Drum Cover, TVR3	1
18	64060012	Drum Cover TVR3 Decal	1
19	64060003	Bracket, Pushrod MTG, TVR3	1
20	64066601	Slipring & Encoder, TVR3	1
21	64066607	Centering Guide, 40 mm	1
22	64066612	Flexlink w/Sonde, TVR3	1
23	64066614	Camerahead, 40 mm, TVR3	1
24	64066628	Encoder MTG Screw	4
25	64066627	Encoder MTG Nut	4

Hinge Door Assembly

HINGE DOOR ASSEMBLY (64050018)



See Key on pg. 19

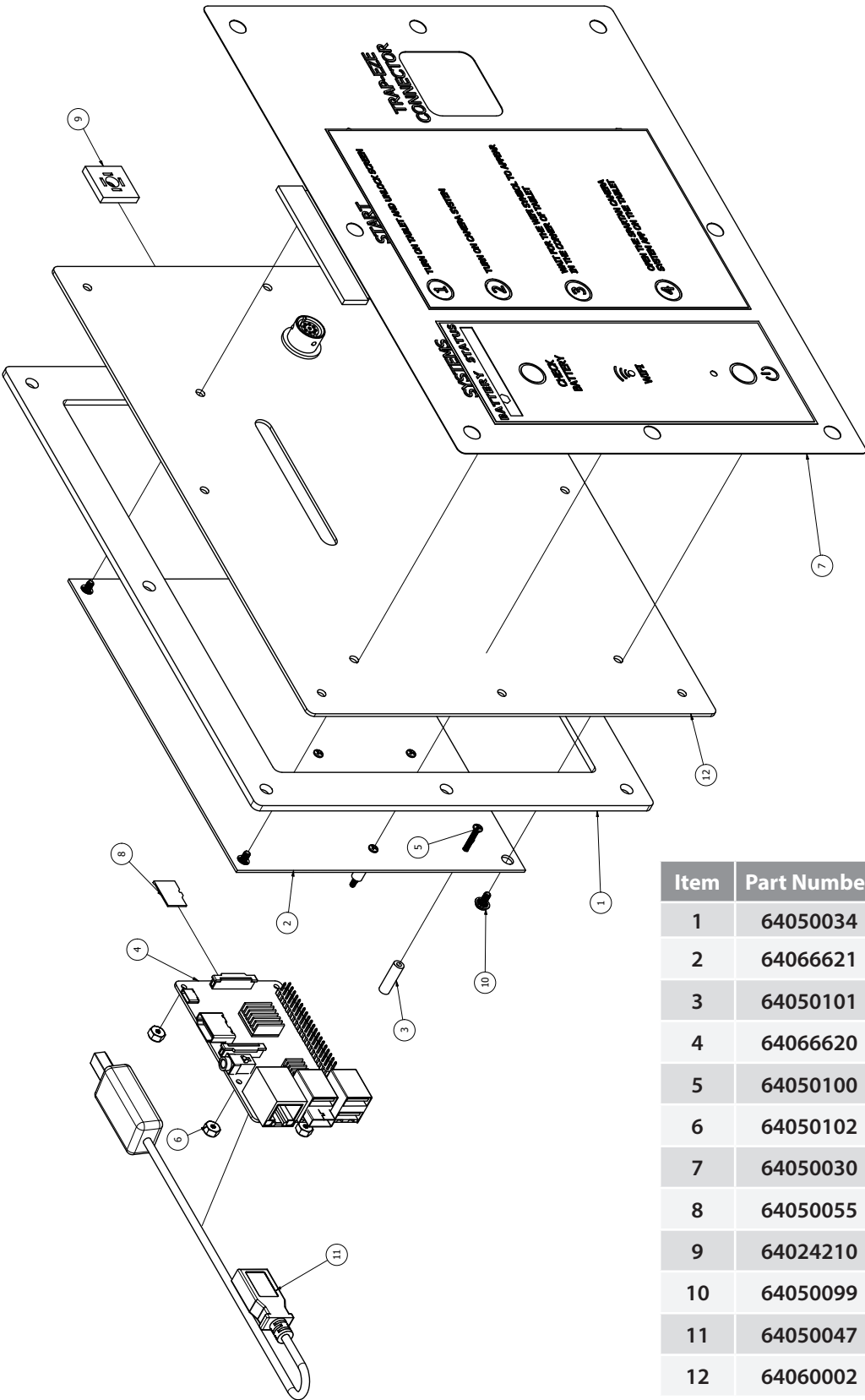
Hinge Door Assembly

Key for Drawing on pg. 18

Item	Part Number	Description	Qty.
1	64050006	Plate, Cover – Door Traveler	1
2	63031010	Rubber Seal $\frac{3}{8}$ x $\frac{7}{32}$ Black	1
3	64050019	Foam Rubber Seal	2
4	64024210	Zip Tie, Mounting Base	2
5	64050019	Foam Rubber Seal $\frac{5}{8}$ x $\frac{3}{8}$	1
6	64050112	Grab, Upper Pivot – iPad	1
7	64022770	Screw, 6-32 x $\frac{1}{2}$ - BLK SS	4
8	64022915	Washer, Plastic #6 Black	4
9	64022780	Locknut, 6-32 Nylon Insert	12
10	64027100	Plate, Universal Tablet Mount	1
11	64027300	Screw, SQR Neck Bolt 10-32 X $\frac{5}{8}$	2
12	64027200	Grab, Lower Tablet Mount	1
13	64027400	Nut, Nylon Lock – 10 - 32 – Black Alum	2
14	64022980	Hinge, Friction Adjustable 1- $\frac{1}{16}$ " Leaf	2
15	64022925	Screw, 6-32 x $\frac{3}{8}$ " BT HD BLCK	4
16	64050002	Knob Cam Lock, Traveler	1
17	64050001	Pawl, Door CAM Lock	1
18	64022990	Shim, Adjustable Hinge Large	2
19	64050029	Screw #8 x $\frac{3}{4}$ Black	4
20	64022970	Hinge, Torsion – Surf Mount 2" Leaf	2

Control Panel Assembly

CONTROL PANEL ASSEMBLY (64066637)



Item	Part Number	Description	Qty.
1	64050034	Gasket, Control Panel	1
2	64066621	Interface Board, TVR3	1
3	64050101	Spacer Nylon 5/8	4
4	64066620	Raspberry Pi 3B+	1
5	64050100	Screw 2 x 56 x 7/8 Phil Pan Head	4
6	64050102	Nut, 2 x 56 Nylok	4
7	64050030	Traveler, Control Panel Overlay	1
8	64050055	Micro SDHC, 8 GB No Adapter	1
9	64024210	Mounting Base, Zip Tie	1
10	64050099	Screw, 4-40 X 1/4 Phil PH	4
11	64050047	USB2 Cable	1
12	64060002	Plate, IPAD Compartment TVR3	1

Spartan Tool warrants its equipment to be free from defects in material and workmanship for one year from the date of purchase. To obtain warranty service, a purchaser should notify Spartan Tool in writing, at the address provided below, within the warranty period, and Spartan Tool will direct where to take or send the equipment for service. If the defect is covered by the warranty, Spartan Tool will repair or replace, at its option, the defective equipment, without charge for labor or materials (freight and insurance are the purchaser's responsibility).

This warranty is limited to the original retail purchaser and is not transferable. Spartan Tool assumes no responsibility for damage due to accident, neglect, abuse, tampering or misuse, nor damage from repairs or alterations by others. This warranty does not cover damage to the equipment resulting from the use of replacement parts other than Spartan Tool parts.

Spartan Tool's sole obligation and the original purchaser's exclusive remedy under this warranty shall be for repair or replacement as described above. ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL SPARTAN TOOL BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES

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Spartan Tool LLC reserves the right to make changes at any time, without notice, to specifications and models and also discontinue models. The right is also reserved to change specifications or parts at any time without incurring any obligation to equip same on models manufactured prior to the date of change.

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