



UTILITY INSPECTION SYSTEMS



2026 Parts Manual

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UTILITY INSPECTION EQUIPMENT
IDENTIFICATION ASSISTANCE
PLEASE NOTE SERIAL # PREFIX IS BOLD & UNDERLINED



1306

SERIAL # STRUCTURE
C3EXXXXX / **1306**XXXXX



1545

SERIAL # STRUCTURE
C3NXXXXX / **C3NX**XXXXX
C3SXXXXX / **C3SX**XXXXX



TRAKSTAR (RECTANGLE BODY)

SERIAL # STRUCTURE
C1C2XXXXX / **C7B**XXXXX / **TRKS**XXXXX

TRAKSTAR (SHORT SQUARE BODY)

C1E2XXXXX / **TKII**XXXXX

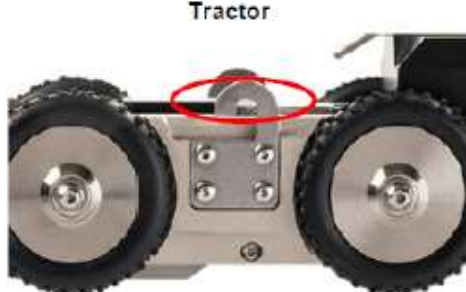


OMNISTAR PROBE

SERIAL # STRUCTURE
C1A2XXXXX / **PROB**XXXXX



Zoom Camera



Tractor

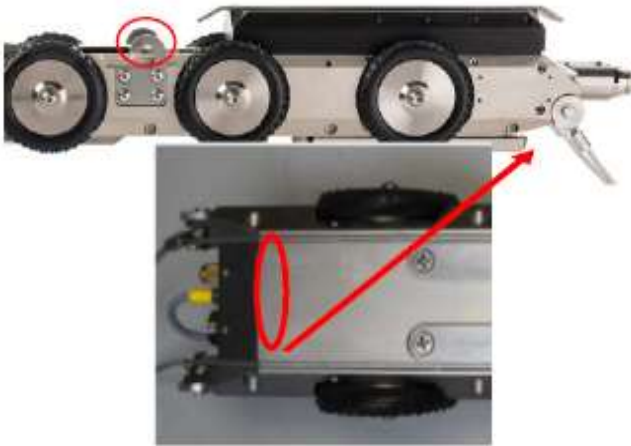
LATERAL LAUNCHER

SERIAL # STRUCTURE
ZOOM CAMERA **C2D2**XXXXX / **LLS**XXXXX
TRANSPORTER **D6M**XXXXX / **LLS**XXXXX
LATERAL (1545) CAMERA **C3S**XXXXX / **C3SX**XXXXX

UTILITY INSPECTION EQUIPMENT

IDENTIFICATION ASSISTANCE

PLEASE NOTE SERIAL # PREFIX IS BOLD & UNDERLINED



TRANSTAR TRACTOR

SERIAL # STRUCTURE

T9TXXXXX / V2AXXXXX / TRNSXXXX

TRANSTAR II (SHORT BODY)

V3AXXXXX / TSIIXXXX



MINI TRACTOR

SERIAL # STRUCTURE

D3BXXXXX / MINIXXXX



STORM DRAIN TRACTOR

SERIAL # STRUCTURE

D2AXXXXX / SDTXXXXX



PROTRAK CRAWLER

SERIAL # STRUCTURE

D6FXXXXX / PRTKXXXX

UTILITY INSPECTION EQUIPMENT
IDENTIFICATION ASSISTANCE
PLEASE NOTE SERIAL # PREFIX IS BOLD & UNDERLINED



PUSH REEL

SERIAL # STRUCTURE
ICXXXXX / **R3D**XXXX / **PCR**XXX



CPR

SERIAL # STRUCTURE
R2KXXXXX / **R2L**XXXX / **CPR**XXXXX



MAINLINE CABLE REEL

SERIAL # STRUCTURE
R1CXXXXX / **R1D**XXXXX / **MLR**XXXXX

CURRENT REPAIRABLE UI PRODUCTS

<u>CAMERAS</u> 1545 (Push) (C3N, C3NX, C3S, C3SX) *LIMITED SERVICEABILITY - OBS LENS & VIDEO MODULE 1306C (Push) (C3E, C3EX) PROBE (Mainline) (C1A2, PROB) TRAKSTAR (Mainline) (C1C2, C7B, TRKS) TRAKSTAR II (Mainline) (C1E2, TKII) *LAT LAUNCHER ZOOM (Mainline)(C2D2, LLSX) SINGLE LID	<u>REELS</u> CPR (Portable) (R2J, R2K, CPRX) PRIVATE EYE II (Portable) (R2L, PI2X) PUSH REEL (Portable) (R3AD, R3CD, R3D, PCRX) MAINLINE REEL (Vehicle Mounted) (R1A, R1D, MLRX)
<u>CONTROLLERS</u> 1375 (Portable) (S3C, CA, CB, CC) 1575 (Portable) (S9CA, CB) HANDHELD (Portable) (T4B, T4BX) JOYSTICK (Portable) (T1M, T1MX) JOYSTICK WIRELESS (Portable) (T1Q, T1QX) MAINLINE (Vehicle Mounted) (P1F, MLCX)	<u>TRACTOR/TRANSPORT</u> *LATERAL LAUNCHER (Mainline) (D6M, LLSX) MIGHTY MINI (Mainline) (D3B, MINI) PROTRAK (Mainline) (D6E, D6F, PRTK) *STORM DRAIN TRACTOR (Mainline) (D2A, SDTX) *TRANSTAR (Mainline) (T9T W/TILT, V2A, TRNS) *TRANSTAR II (Mainline) (T9U W/ELEV, V3A, TSII)

DISCONTINUED & OBSOLETE PRODUCTS

<u>CAMERAS</u>	<u>DISCONTINUED</u>	<u>OBSOLETE</u>
1530 / 1535 (C3J, K) NOVASTAR (C1A4) OE3 (OMNI ZOOM) (C1L, C1P,C1Z) OMNI A (C2A) OMNI T (C2AT) POLE CAM (C4M) WELL INSPECTION (PRO) EXP PROOF (C1M) LAT LAUNCH CAM (Mainline) (C2D2) (DUAL LID)	2017 2017	2022 7/12/2021 7/12/2021 7/12/2021 7/12/2021 7/12/2021 7/12/2021 2022 7/12/2021
<u>CONTROLLERS</u> 1315 DESKTOP AUX BOX (T1A, B, C) MAINLINE (Vehicle Mounted) (P1B)	 2016 2002	7/12/2021 2021
<u>REELS</u> M/L EXTRA WIDE METRIC QUICK PEEK (RATECH) PUSH REELS (TNC & MECH FTG) (R3A, B, C)		7/12/2021 2023 7/12/2021
<u>TRACTOR/TRANSPORT</u> 6" & 8" CRAWLERS (D6A, B, C, D) M/L TRACTOR (TMA-TRN) (D1B, C, D, E, F, H) TRANSTAR (T8N, T8S) TRANSTAR (T9N, T9S, T9T NO TILT) TRANSTAR II W/O ELEV. (T9U, V2B, V3A) LAT. LAUNCHER (D6M) (DUAL LID) STORM DRAIN W/HALOGEN LIGHTS (D2A)		8/1/2017 7/12/2021 7/12/2021 4/24/2025 4/24/2025 7/12/2021 7/12/2021

*Discontinued Products are supported for repair for up to five years, pending parts

availability or other business factors. Obsolete Products are no longer supported or repaired.

NOV 2025

1545 MINI CAMERA

DESIGNED FOR PUSH REEL & LATERAL SYSTEM



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
		PROTECTIVE SLEEVE (DELTRIN) FOR 1545 CAMERA OLD STYLE PRIOR TO 2023
	301-10827	HARDWARE, 3 PER REQUIRED
	450-36082	<u>OLD STYLE</u> (FEBRUARY 2023 OR OLDER)
		<u>DIMENSIONS 2.25" O.D. / 2.4" LONG</u>
	220-10030	<u>NEW STYLE</u> (2023 OR NEWER)
		<u>DIMENSIONS 2.25" O.D. / 2.9" LONG</u>



OLD STYLE, PREVIOUS TO FEBRUARY 2023

(PIECE PARTS ONLY)	ASSY NO LONGER AVAILABLE
450-40100	CAP, SLEEVE
450-40101	BODY, SLEEVE
301-10239	MSCR,SHCS,8-32X.50 SS 3 PER
301-10827	MSCR,PAN,PHH,4-40X.19 SS 3 PER
	<u>DIMENSIONS 2.25" O.D. / 3.2" LONG</u>

NEW STYLE, SONDE INCLUDED (USE WITH C3S ONLY)

220-10033	SLEEVE, WITH SONDE
450-40100	CAP,SLEEVE
220-10029	BODY,SLEEVE
301-14959	MSCR,SHCS,8-32X.62 SS
301-10827	MSCR,PAN,PHH,4-40X.19 SS 3 PER
	<u>DIMENSIONS 2.25" O.D. / 3.51" LONG</u>

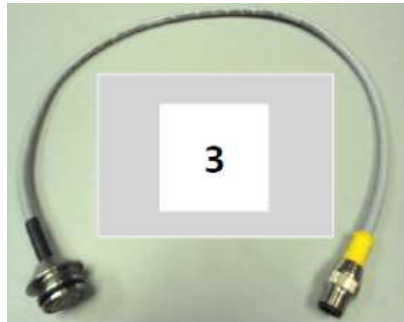


1306C MINI CAMERA

DESIGNED FOR PUSH REEL & MINI TRACTOR



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	867-33048	CABLE, TAIL ASSY, PLUG, 1306C CAMERA TO MINI TRACTOR
12	633-12289	FOCUS TOOL (1306C CAMERA)



450-15031	PROTECTIVE SLEEVE (DELRIN) FOR 1306C
301-11653	HARDWARE, 3 PER REQUIRED



OMNISTAR PROBE PAN & ROTATE CAMERA DESIGNED FOR MINI TRACTOR



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37197	CABLE, TAIL, PLUG, MINI TRACTOR-PROBE, 4PIN EURO 17.5" LONG
2	841-38670	KIT, COMPLETION, OS PROBE V2, MINI TRACTOR



TRAKSTAR ZOOM CAMERA

PARTS & ACCESSORIES (RECTANGLE BODY)



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	301-13742	HARDWARE <u>TOP BODY SKID</u>
	301-18853	HARDWARE <u>FACE PLATE</u>
	439-37693	O-RING <u>FACEPLATE HARDWARE</u>
	439-34270	O-RING <u>HEAD REAR COVER</u>
	439-35338	O-RING <u>FACEPLATE ITSELF</u>
	450-37205	TOP BODY SKID
	549-17208	LENS WINDOW,SAPPHIRE
	806-38138	CABLE, <u>4 SKT TO 4 PIN (EURO)</u> ,13.5"
	806-34469-13	CABLE, <u>6 SKT TO 4 PIN</u> (13" LONG, OLD STYLE TRANSTAR)
	806-34469-16	CABLE, <u>6 SKT TO 4 PIN</u> <u>USE WITH ELEVATOR</u> (16" LONG, FOR NON-TILTUP CONN.)
	806-34469-24	CABLE, <u>6 SKT TO 4 PIN</u> <u>USE WITH PROTRAK CRAWLER</u> (24" LONG)
	806-38138-24	CABLE, <u>4 SKT TO 4 PIN</u> <u>USE WITH PROTRAK CRWLR OR OLD TRANSTAR</u> (24" LONG)

TRAKSTAR II (SHORT SQUARE BODY)

450-38147	TOP BODY SKID
301-13742	HARDWARE <u>TOP BODY SKID</u>



PUSH REEL DIGITAL FOOTAGE COUNTER



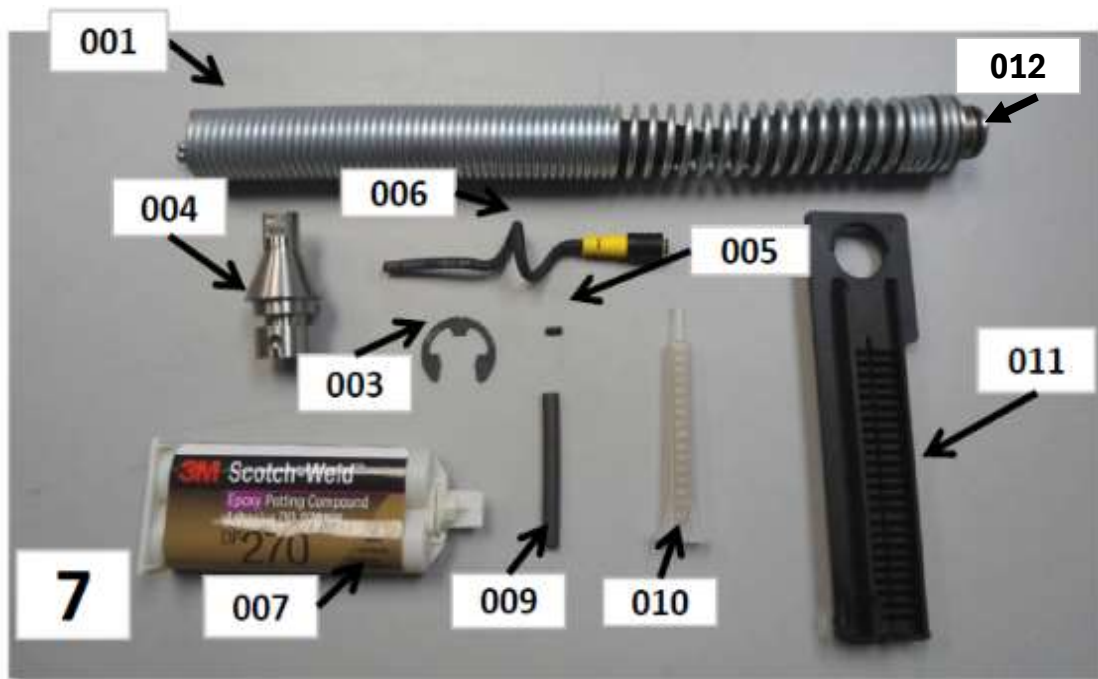
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	569-17755-61	CABLE,COAX,20AWG,0.25" FIBERGLASS,HYTREL JACKET (SOLD IN 50FT INCREMENTS)

CABLE ASSEMBLIES - TERMINATED, SPRING READY

	806-32316	CABLE, 150' LONG
	806-32318	CABLE, 200' LONG
	806-32319	CABLE, 250' LONG
	806-32320	CABLE, 300' LONG
	806-15999	CABLE,N PLUG > N PLUG, 12'
	806-15660	CABLE,FTG,4 PIN,PLUG F - PLUG F, 13', FTG COUNTER OVERLAY
	806-36140	CABLE,CAMERA POWER TO FTG, 1575
	305-10123	EYEBOLT WITH 12" SHANK
1	560-11628	SLIP RING, MERCURY WETTED, SEALED (2 CONDUCTOR)
2	560-11687	SLIP RING CAP (2 SOLDER TABS)
3	560-11746	SLIP RING CONNECTOR (TWO 6" LEADS)

PUSH REEL

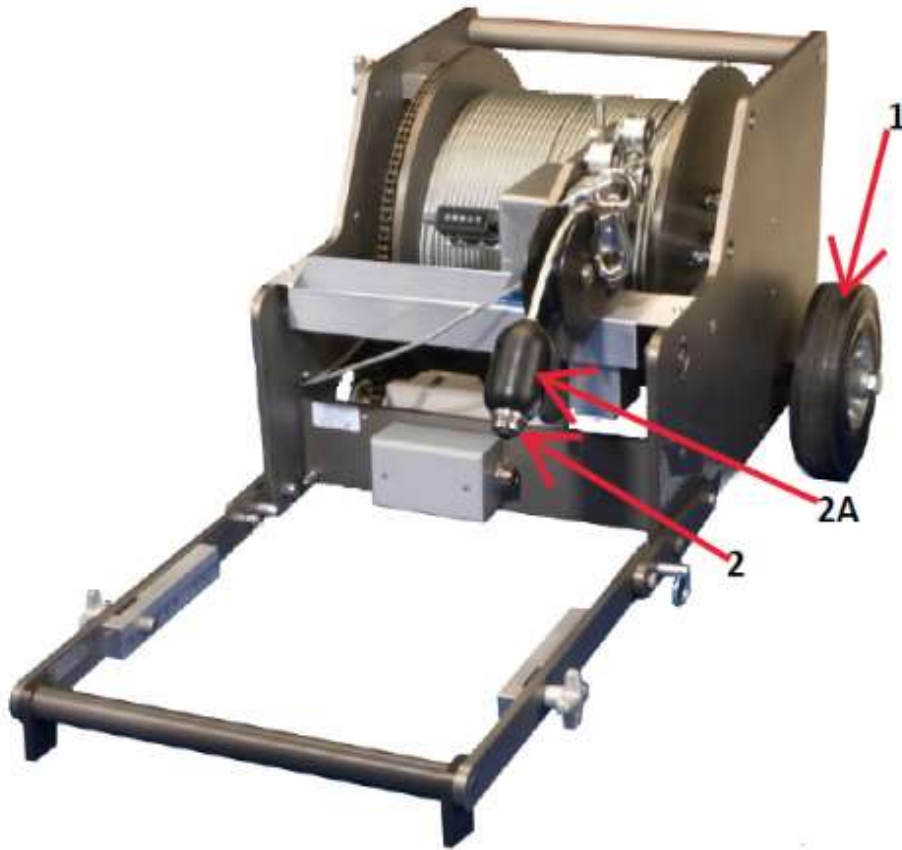
ITEM #	PART #	DESCRIPTION
7	841-37116	KIT COMPLETE <u>WITHOUT SONDE</u>
001	867-30468-2	SPRING COUPLER,WITHOUT SONDE, .25" CABLE (SPRING/CONN/CABLE)
003	410-30471	RETAINING RING
004	408-30435	BASE,SPRING COUPLER, .25" DIA. CABLE
005	400-30735	PIN,SPRING ROLL,3/32" X 1/4"L, PLAIN STEEL
006	557-30480	CONN,W.R.,FEMALE PLUG, 4 SKT,COILED
007	630-30608	EPOXY,DP2070,CLEAR,1:1,DUO-PAK,1.7 FL. OZ (50ML)
009	632-10933	HEATSHRINK, .187 POLYOLEFIN,125 DEG,600V,BLACK,UL/CSA
010	633-43602	NOZZLE,MIXING,3M EPX PLUS II MIX NOZZLE
011	630-18878	PLUNGER,EPOXY,2:1 RATIO,3M 50ML APPLICATOR
012	439-14212	O-RING, BUNA 016



ITEM #	PART #	DESCRIPTION
9	867-30469-1	TERMINATION PORTION ONLY
004	408-30435	BASE,SPRING COUPLER, 0.25" DIA CBL
005	400-30735	PIN, SPRING,ROLL, 3/32" X 1/4" L
006	557-30480	CONN,W.R.,FEMALE PLUG, 4 SKT,COILED
	968-30465	ASSY DWG



COMPACT PORTABLE REEL (CPR)



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	443-10485	TIRE,SEMI-PNEUMATIC,8 X 2.50,5/8" AXLE
2	867-31751	ASSY,BULLET,REMOVEABLE PIGTAIL,SINCON
2A	807-31639	SLEEVE KIT,2" DIA., SINCON BULLET TERMINATION

863-43991 ASSY,CONTROLLER,SPEED MOTOR,CPR V2
(FACTORY REPAIR ONLY)



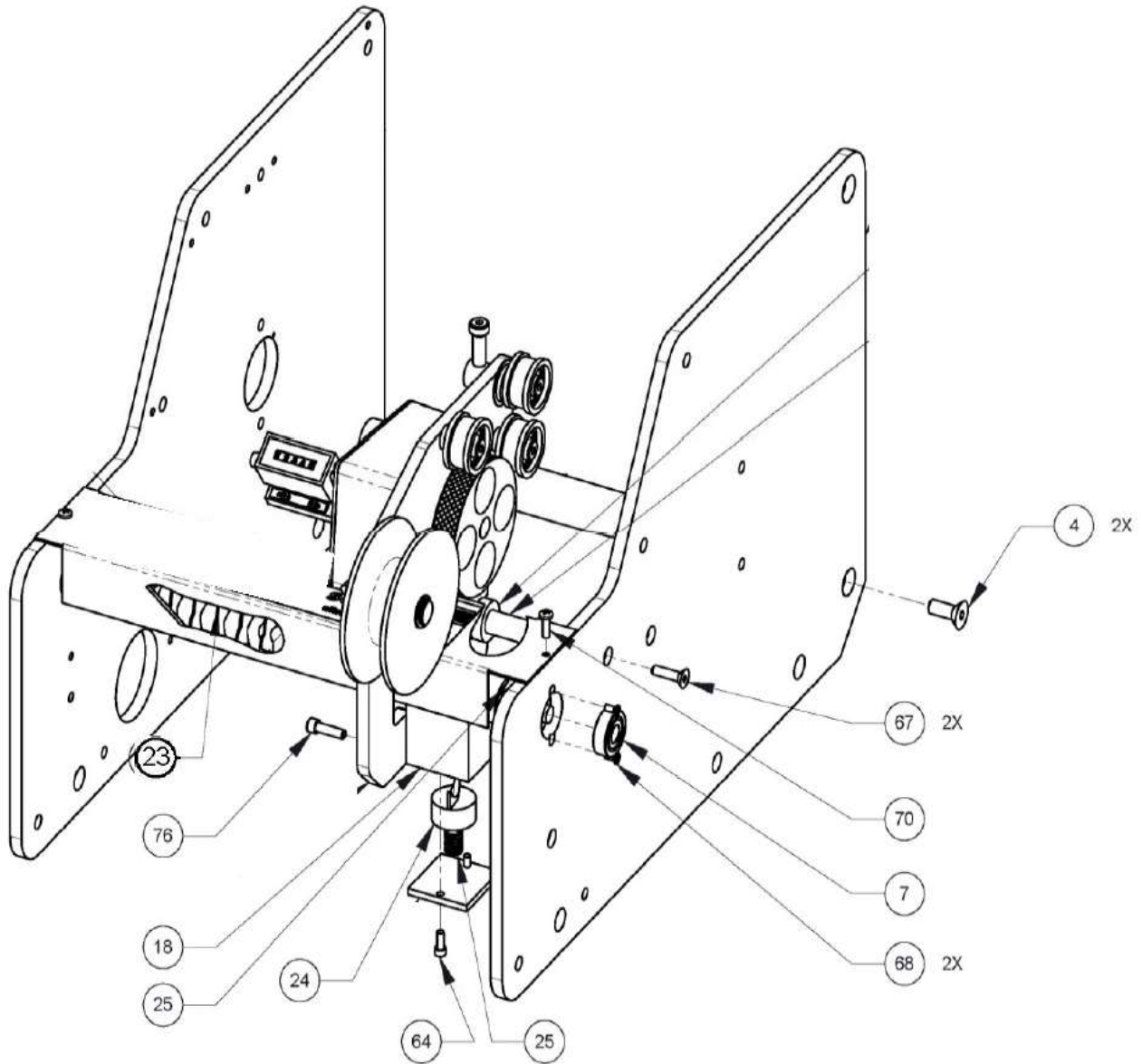
*NOTE: UNITS WITHOUT RED STOP ARE OBSOLETE

COMPACT PORTABLE REEL (CPR)



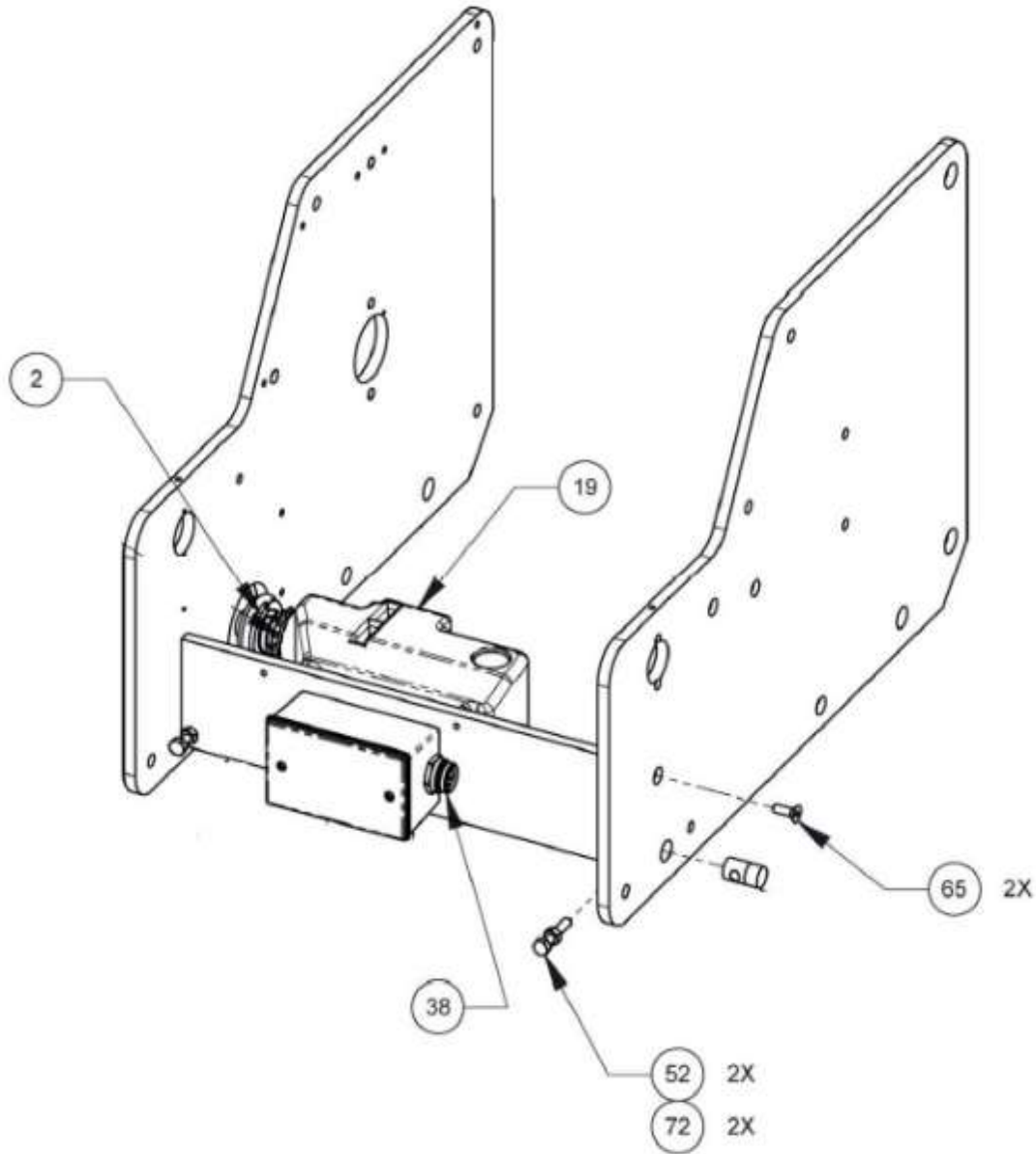
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	555-13488	N CONN,SQ FLANGE MNT,SOLDER CUP
4	556-10977	JACK,4 PIN,PANEL MNT (FOOTAGE CONNECTOR)
43	560-17861	CONN,SLIP RING,RCPT,3 COND,COAX, THREE 6" LEADS
44	560-17862	SLIP RING,3 COND.,COAX
5	806-18586	FOOTAGE ENCODER, W/CABLE, W/BRKT
6	806-30342	CABLE,FTG,4PIN,F-F,14.5FT
7	806-30348	CABLE,N PLUG > N PLUG,DBL SHIELDED,14.5FT

COMPACT PORTABLE REEL (CPR)



ITEM #	PART #	DESCRIPTION
4	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
7	404-14210	BEARING,BALL,1.26 OD, .472 BORE, .394W, SEALED
18	451-19723	FOLLOWER BLOCK
23	407-19728	SHAFT, LEVEL WIND
24	407-15913	PAWL,LEVEL WIND FOLLOWER
25	446-14273	SPRING,COMPRESS,1" L,44.6 LBS, STL/ZINC
64	301-11241	MSCR,SHCS,10-32X.50 SS
67	301-34289	MSCR,FLT,HXS,1/4-20X1 SS
68	301-12823	MSCR,FLT,PHH,8-32X.37, UNDERCUT SS
70	301-14203	MSCR,PAN,PHH,10-32X.62 SS
76	301-15608	MSCR,SHCS,1/4-20X.87 SS

COMPACT PORTABLE REEL (CPR) MOTOR / JUNCTION BOX / CLUTCH ASSY

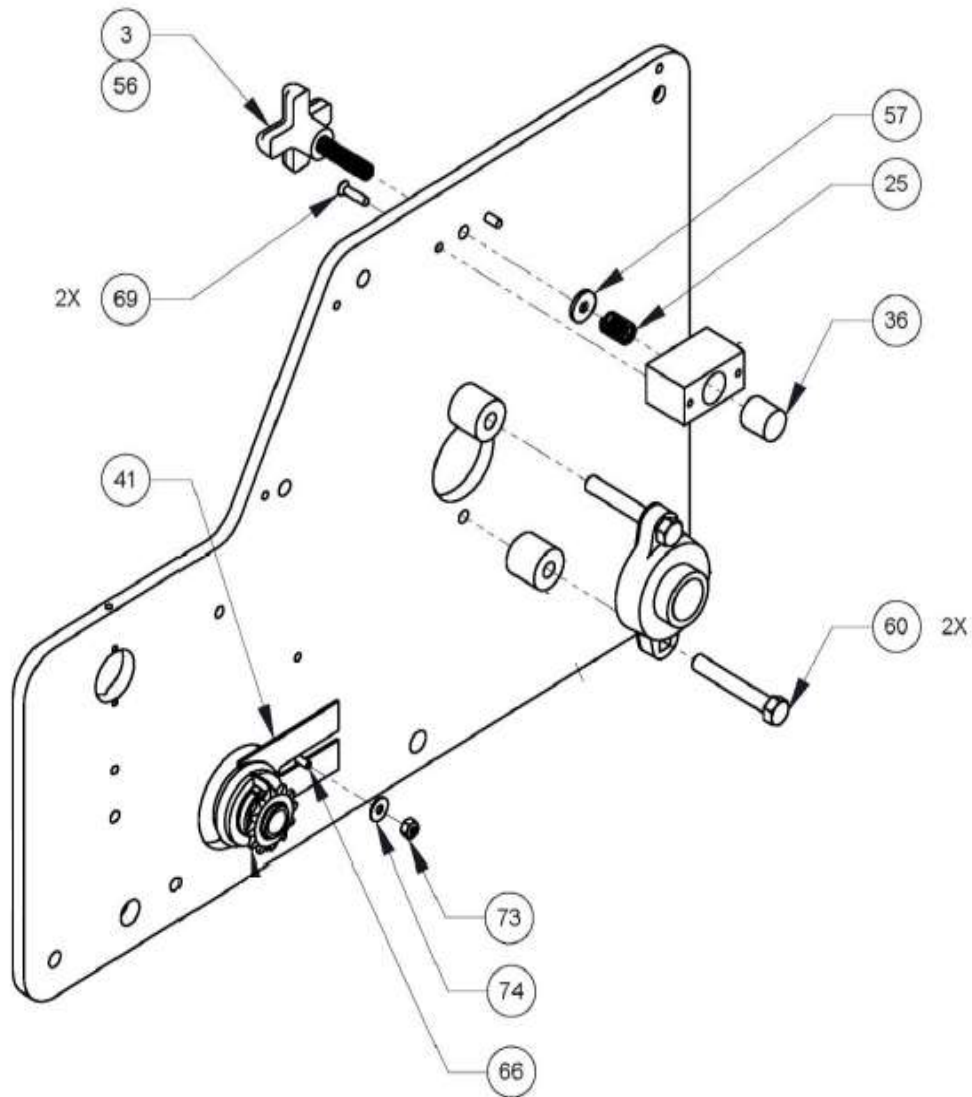


ITEM #	PART #	DESCRIPTION
2	805-31064	CLUTCH ASSEMBLY
3	446-20053	CLUTCH ASSEMBLY SPRING
19	635-14080	MOTOR, 1/2 HP
38	557-15071	CONN, W.R., BHD, MALE, 5 SKT
52	301-36992	MSCR,HEXHD,1/4-20X1.50,FULL THREAD 18-8
65	301-11183	MSCR,FLT,HXS,1/4-20X.75 SS
72	301-12653	NUT,HEX,1/4-20 SS



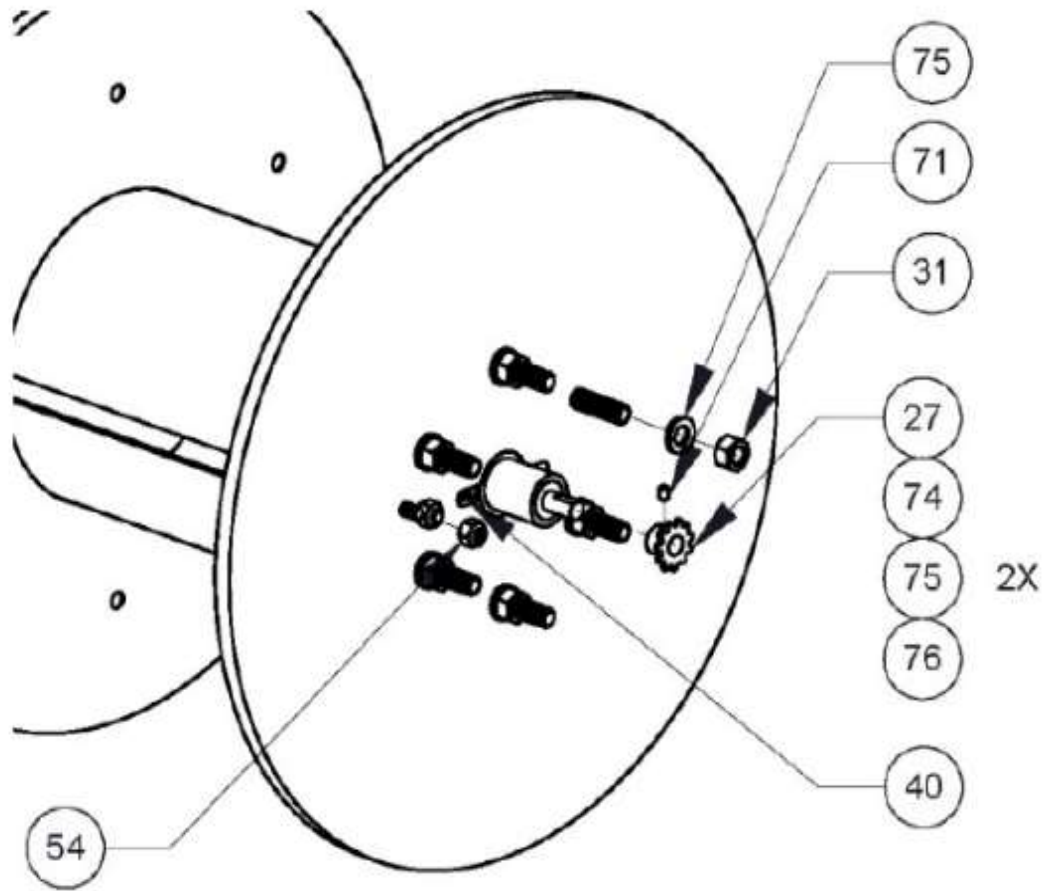
COMPACT PORTABLE REEL (CPR)

RIGHT SIDE PLATE



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	447-10073	KNOB,CAST IRON
25	446-14273	SPRING,COMPRESS,1"L, 44.6LBS, STL/ZINC
36	443-16139	PAD/PLUNGER,DRAG BRAKE
41	451-19761	BRKT,DRAG CLUTCH
56	304-13517	SSCR,CUP PT,HXS,3/8-16X2.50 STLBLX
57	319-20051	WASHER,FLT,,.258X.747X.090
60	300-10061	MSCR,HEXHD,3/8-16X2.50 ZINC
66	301-12591	MSCR,FLT,PHH,8-32X.75 SS
69	301-13913	MSCR,FLT,PHH,10-32X.75 SS
73	309-13575	NUT,HEX,10-32,NYLOCK SS
74	316-11835	WASHER,FLT,#10 SS

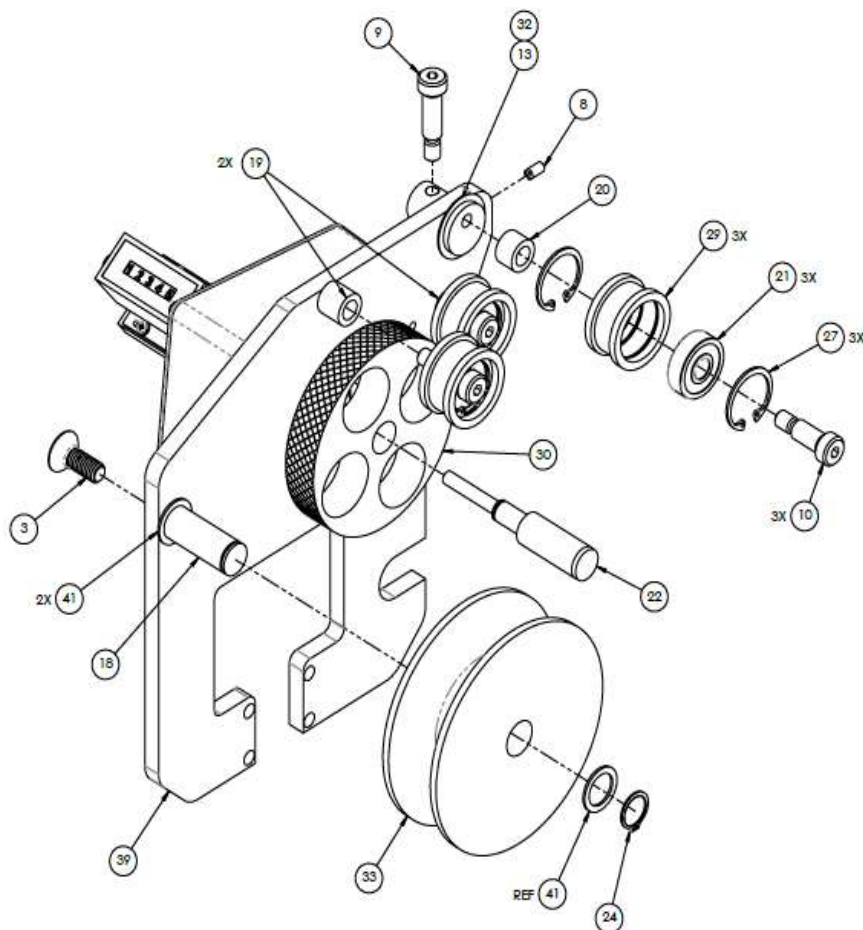
COMPACT PORTABLE REEL (CPR) SPOOL COMPONENTS



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
27	441-39130	SPRKT,DRIVER,11T,25 PITCH,3/8 ID
31	308-12769	NUT,HEX,3/8-16 ZINC
40	400-20050	PIN,SPRING,ROLL,5/16"X1-3/4,PLAIN STEEL
54	308-14265	NUT,HEX,1/4-20,NYLOCK ZINC
71	304-11125	SSCR,CUP PT,HXS,10-32X.25 SS
74	316-11835	WASHER,FLT,#10 SS
75	318-14963	WASHER,LKG,.375,HELICAL ZINC
76	301-15608	MSCR,SHCS,1/4-20X.87 SS

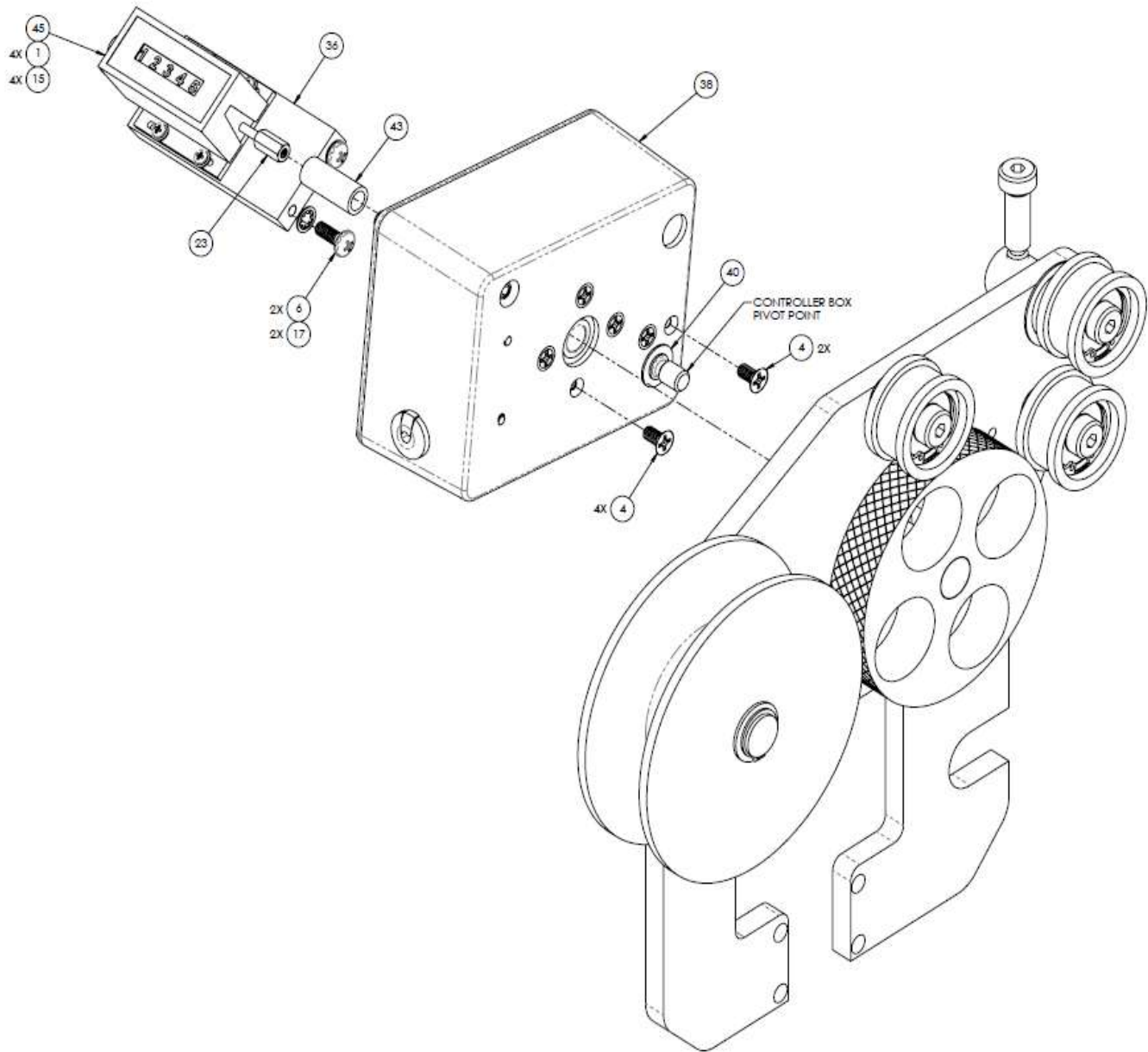
COMPACT PORTABLE REEL (CPR)

FOOTAGE COUNTER (ENGLISH)



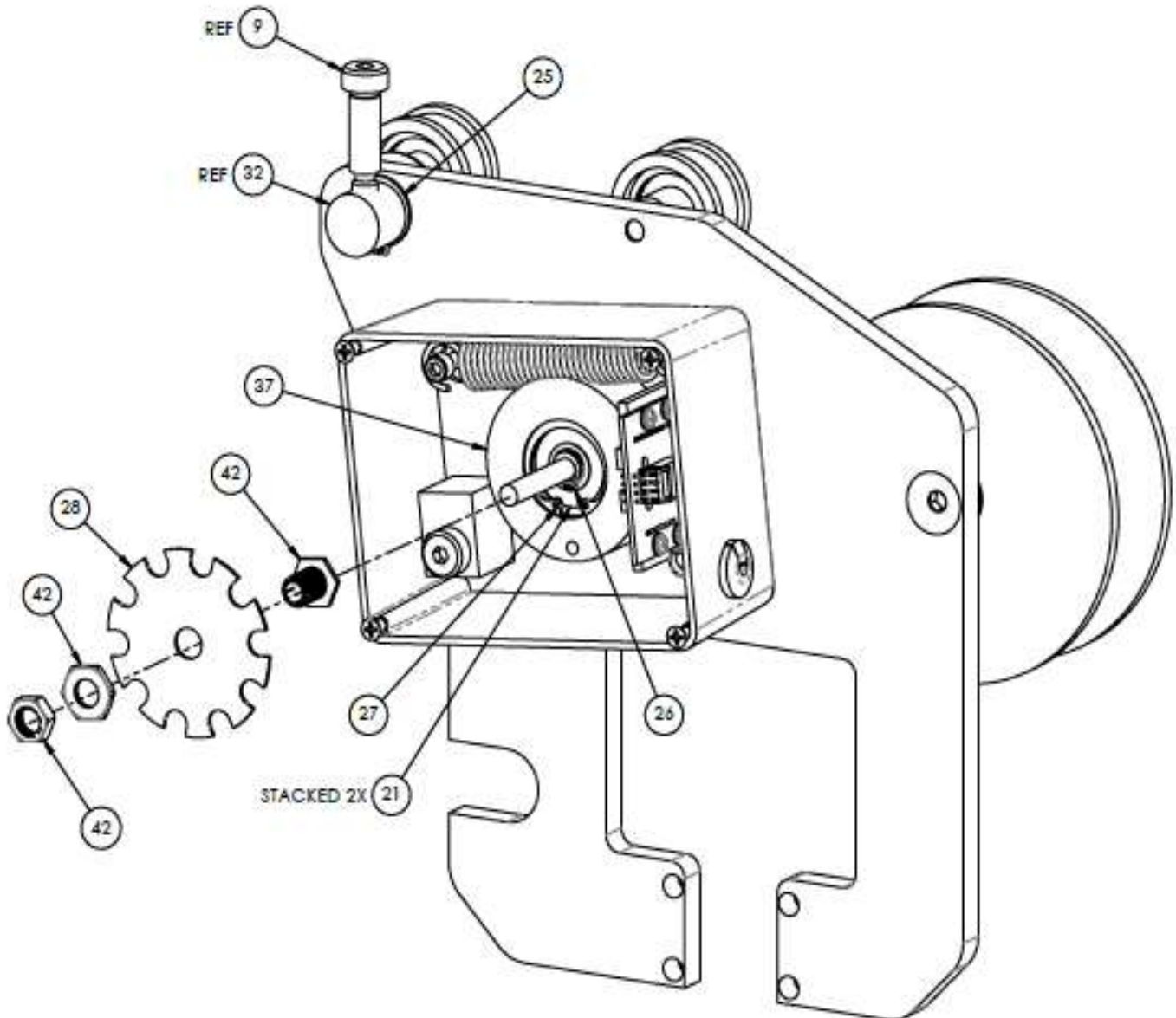
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-19495	FOOTAGE COUNTER, ENTIRE ASSEMBLY
3	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
8	304-11243	SSCR,CUP PT,HXS,10-32X.37 SS
9	305-11716	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 1 SS
10	305-11834	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 3/4
13	317-13291	WASHER,FLT,.750X1.250X0.31 TEFLON
18	402-19720	POST,ROLLER GUIDE,OUTPUT, CPR
19	403-19702	SPACER,ROLLER,CPR
20	403-19762	SPACER,ROLLER,PIVOT,CPR
21	404-12482	BEARING,BALL,1.181OD,.394 BORE
22	407-17328	SHAFT,WHEEL,COUNTER,ENGLISH,CPR
24	410-13006	RING,SNAP,EXT,.625
27	410-20001	RING,SNAP,INT,1.18"
29	443-19707	ROLLER,GUIDE,TOP,1.5,CPR
30	443-19713-21	WHEEL,FOOTAGE COUNTER,CPR
32	448-19732	PIVOT,ROLLER,GUIDE,CPR
33	449-15325	ROLLER,GUIDE,POLYURETHANE
39	453-19712-21	PLATE,MTG,LEVELWIND,CPR CLEAR ANODIZE
41	474-16009	SHIM,WASHER,.636 X .875 X .048T SS

COMPACT PORTABLE REEL (CPR) FOOTAGE COUNTER (ENGLISH)



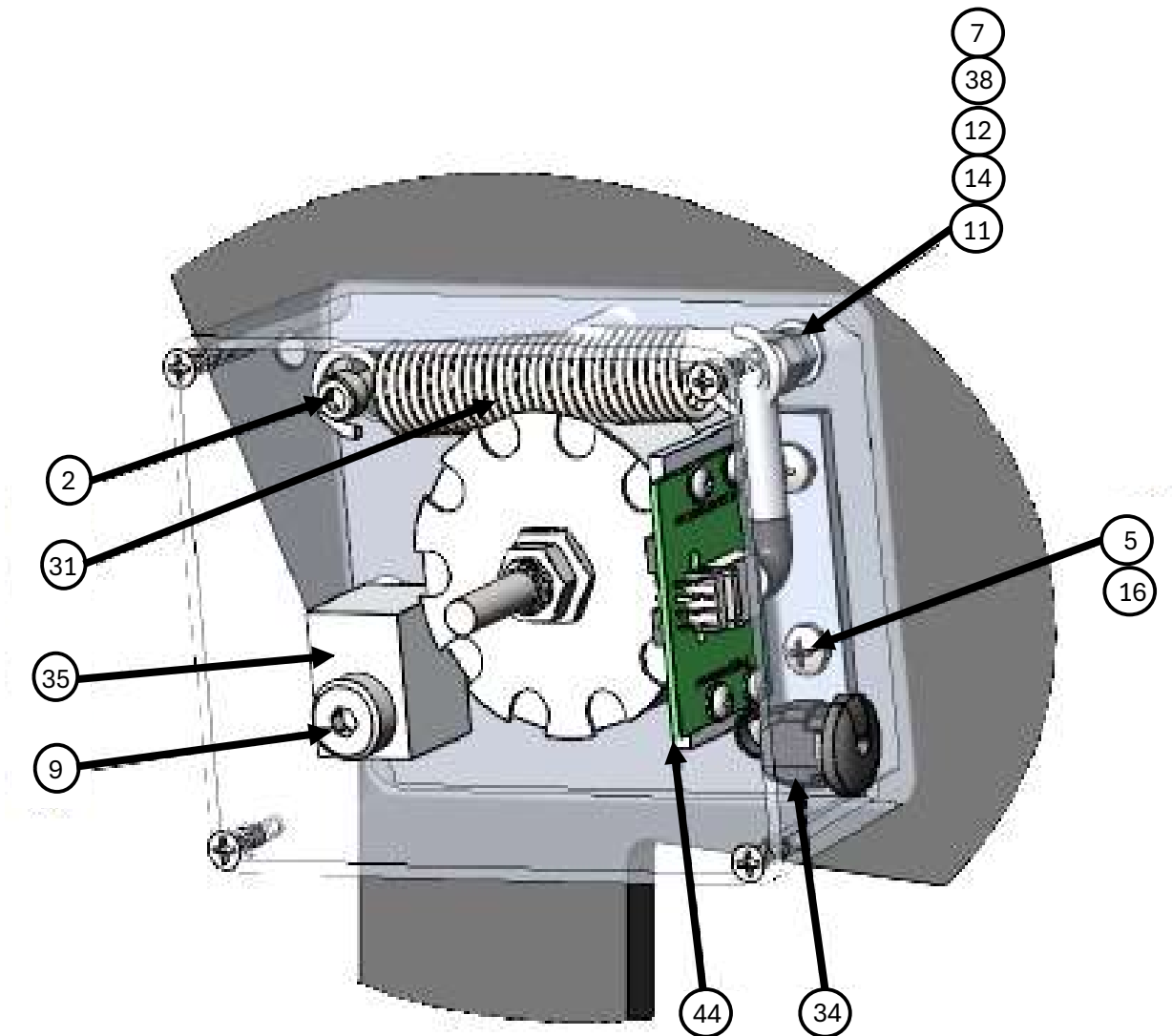
ITEM #	PART #	DESCRIPTION
1	301-11122	MSCR,PAN,PHH,4-40X.37 SS
4	301-11948	MSCR,FLT,PHH,6-32X.37,UNDERCUT SS
6	301-13685	MSCR,PAN,PHH,10-32X.50 SS
15	318-14498	WASHER,LKG,#4,INT TOOTH SS
17	318-14788	WASHER,LKG,#10,INT TOOTH SS
23	408-12425	ADPTR,SHAFT,FOOTAGE COUNTER
36	451-19724	BLOCK,MTG,COUNTER,CPR
38	452-19710	BOX,CONTROL,FOOTAGE COUNTER,CPR
40	474-12204	SHIM,WASHER,38 X 58 X .030T SS
43	606-11516	HOSE,RUBBER,VACUUM,5/32"
45	867-13456	COUNTER,MECHANICAL,5 DIGIT,10CTS SMALL SHAFT

COMPACT PORTABLE REEL (CPR) FOOTAGE COUNTER (ENGLISH)



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
21	404-12482	BEARING,BALL,1.181 OD,.394 BORE
25	410-13180	RING,SNAP,EXT, .750
26	410-16057	RING,SNAP,EXT, .375
27	410-20001	RING,SNAP,INT, 1.18"
28	443-13810	WHEEL,SENSOR,FOOTAGE COUNTER
32	448-19732	PIVOT,ROLLER,GUIDE,CPR
37	451-21007	RETAINER,BEARING,SUPPORT,SHAFT,FTG COUNTER,CPR
42	505-42200	SHAFT LOCK,PNL MNT,1/4" SHAFT,3/8-32 TH

COMPACT PORTABLE REEL (CPR) **FOOTAGE COUNTER CONTINUED (ENGLISH)**



ITEM #	PART #	DESCRIPTION
2	301-11536	MSCR,SHCS,10-32X1 SS
5	301-12533	MSCR,PAN,PHH,8-32X1.50 SS
7	301-13913	MSCR,FLT,PHH,10-32X.75
9	305-11716	BOLT,SHLDR,SKT HD,5/16-18,3/8X1 SS
11	309-12537	NUT,HEX,10-32 SS
12	309-13575	NUT,HEX,10-32,NYLOCK SS
14	317-14382	WASHER,FLT,#10,.19T NYLON
16	318-14730	WASHER,LKG,#8,INT TOOTH SS
31	446-14157	SPRING,WHEEL TENSION,FOOTAGE COUNTER
34	449-41113	STRAIN RELIEF,CORD,STR, .100T PANEL,NYLON
35	451-19711	BLOCK,PIVOT,CNTR,CPR
38	452-19710	BOX,CONTROL,FOOTAGE COUNTER,CPR
44	806-18586	ASSY,HARNESS,FOOTAGE ENCODER,W/CBL & BRACKET

PRIVATE EYE II



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	863-43990	ASSY,CONTROLLER,SPEED,MOTOR,PRIVATE EYE 2 (FACTORY REPAIR ONLY)
	806-19960	CABLE,FOOTAGE,4 PIN, F-F, 4FT

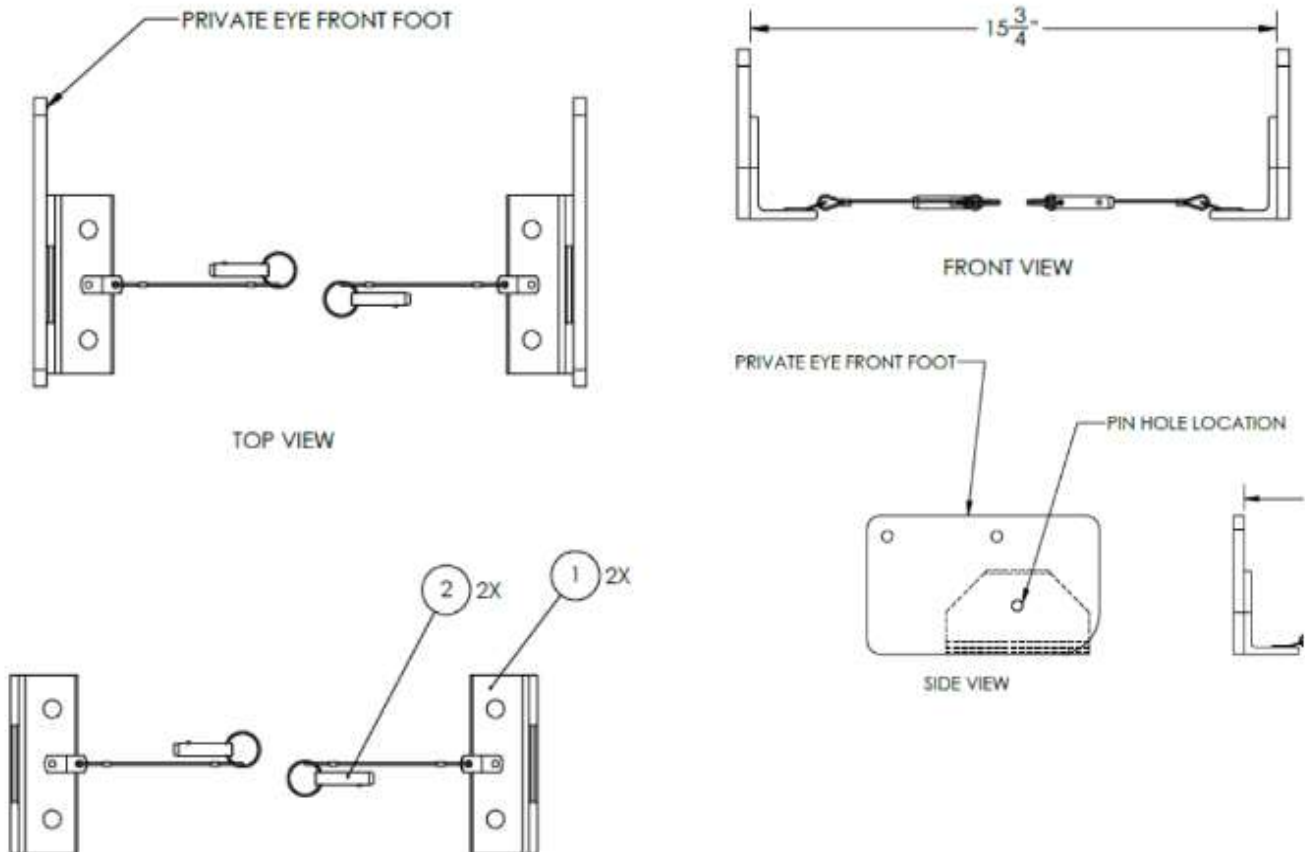
1



PRIVATE EYE II

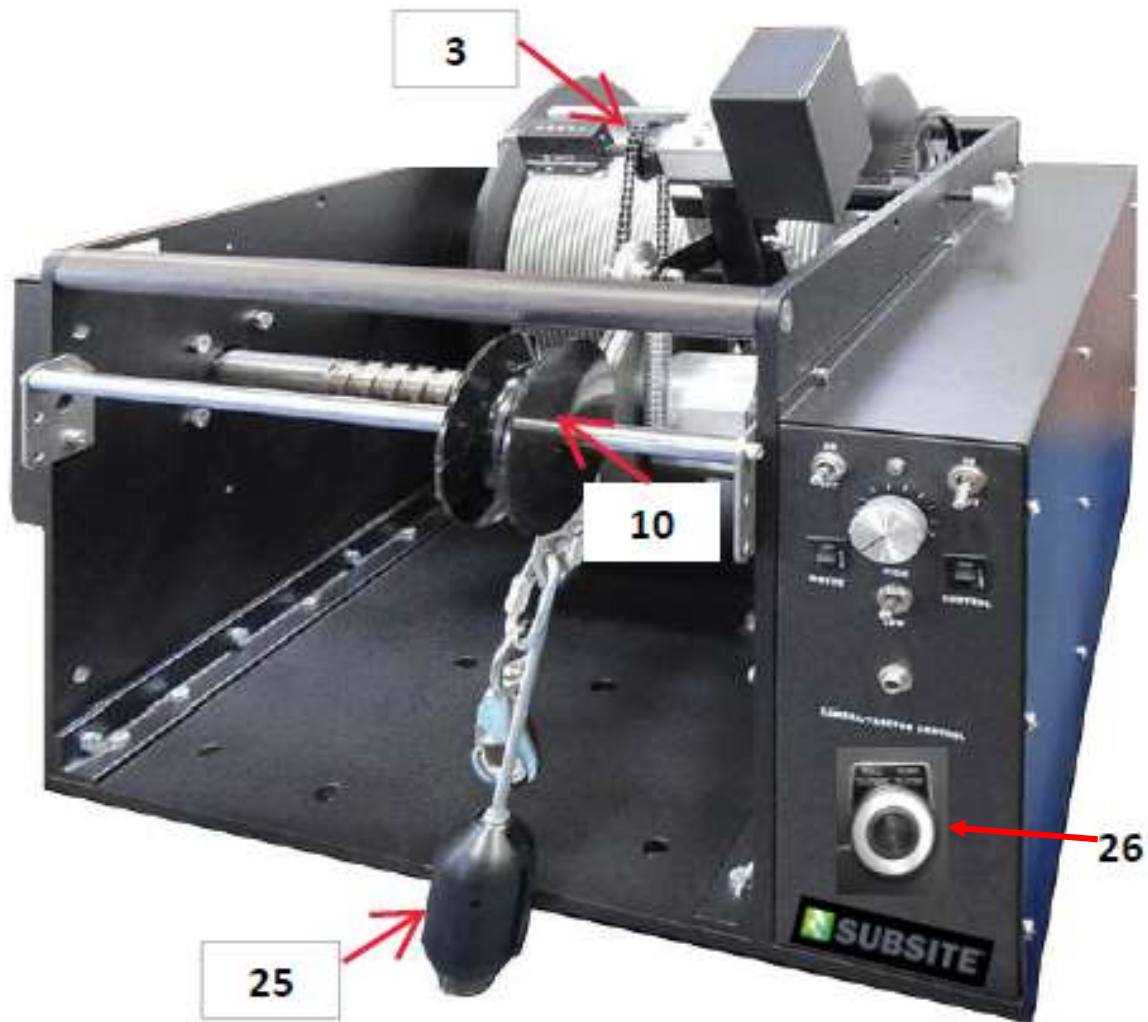
FLOOR MOUNT KIT

ITEM #	PART #	DESCRIPTION
1	840-43596	FLOOR MTG KIT



1. POSITION PRIVATE EYE IN DESIRED LOCATION.
2. PLACE BRACKETS ON INSIDE OF FRONT FEET AND INSERT PINS.
3. MARK 4 HOLE LOCATIONS ON FLOOR.
4. INSPECT BOTTOM SIDE OF FLOOR BEFORE DRILLING
(ADJUSTMENTS MAY BE NECESSARY TO CLEAR OBJECTS BELOW FLOOR.)
5. AFTER HOLE LOCATIONS ARE DETERMINED, DRILL HOLES AND SECURE WITH 1/2" GRADE 5 BOLTS.(NOT PROVIDED)

MAINLINE REEL



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	840-20802	KIT,CHAIN REPLACEMENT, FTG COUNTER
	441-11486	MASTER LINK FOR ITEM 3
10	449-15325	ROLLER,GUIDE,POLYURETHANE
25		REFER TO BULLET SECTION
26	542-20696	RED STOP CONTACT BLOCK <u>BACK</u>
	542-20697	RED STOP BUTTON <u>FRONT</u>

SINCON RETERMINATION VIDEO

<https://www.youtube.com/watch?v=0fXSA9Wp0l8>



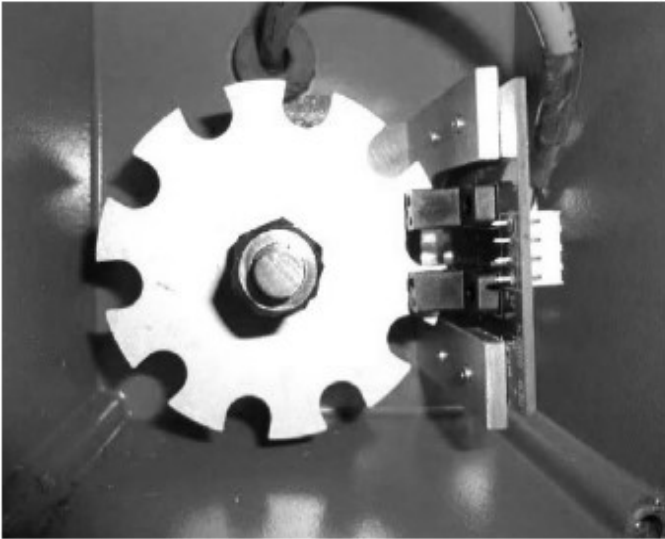
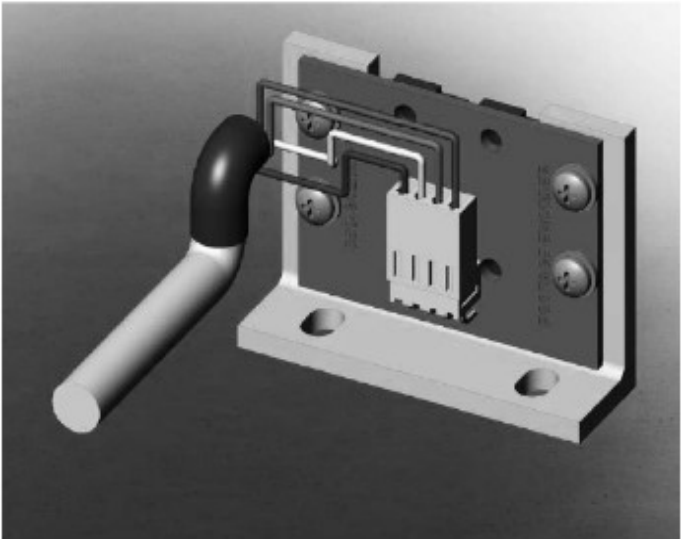
MAINLINE REEL

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	448-11253	ASSEMBLY, CABLE GRIP (ALL 3 ITEMS INCLUDED)	COMP KIT
1	448-11312	CABLE GRIP, SINCON	1
2	444-12255	HOOK, SNAP SWIVEL	1
3	444-11901	QUICK LINK, 1/4"	1
	301-11477	HARDWARE, 10-32X.75 SOCKET HEAD SS	





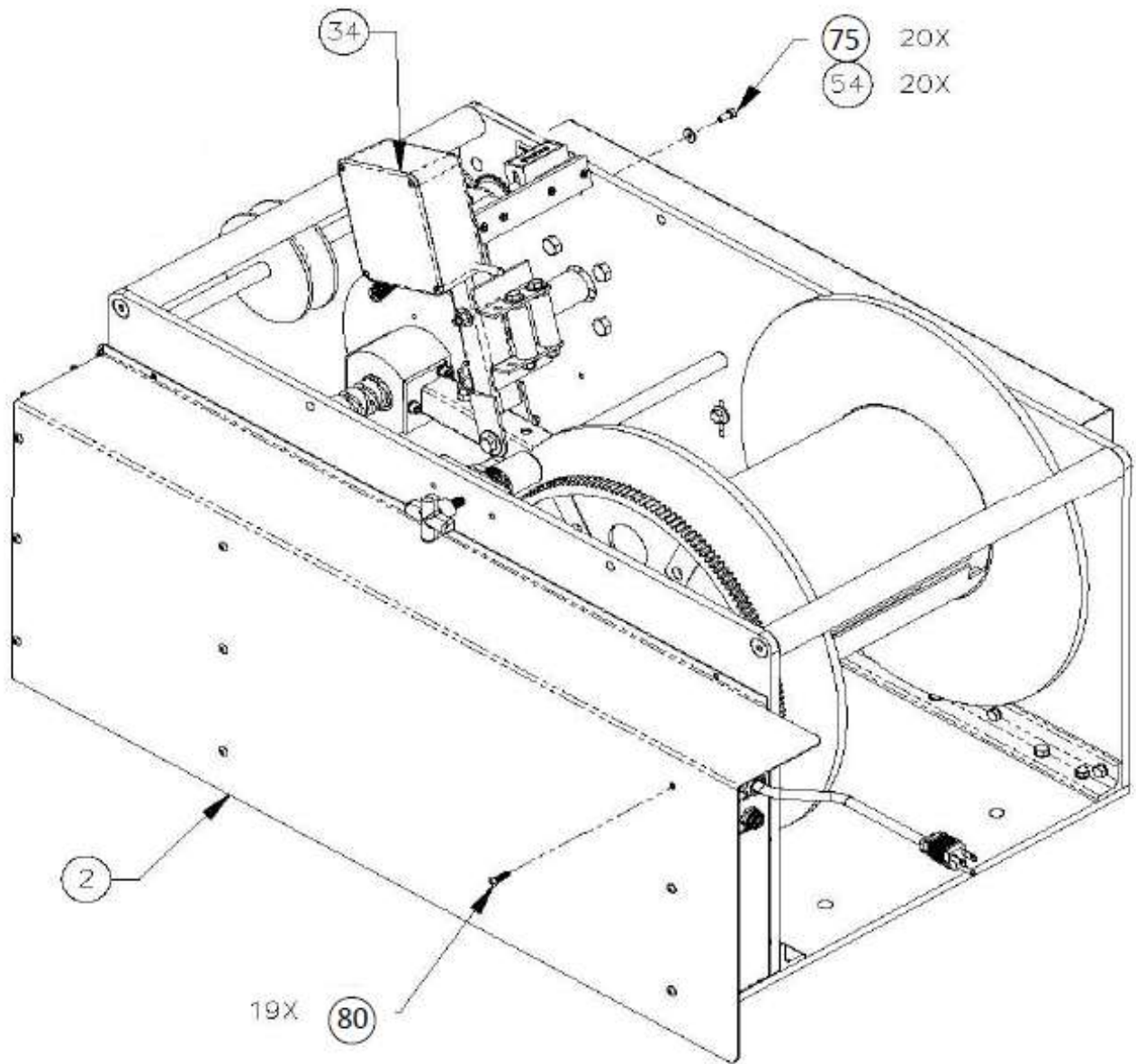
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	806-18586	ASSEMBLY FOOTAGE ENCODER HARNESS <u>WITH CABLE & BRACKET</u>

CALL PRODUCT SUPPORT FOR INSTALLATION INFORMATION

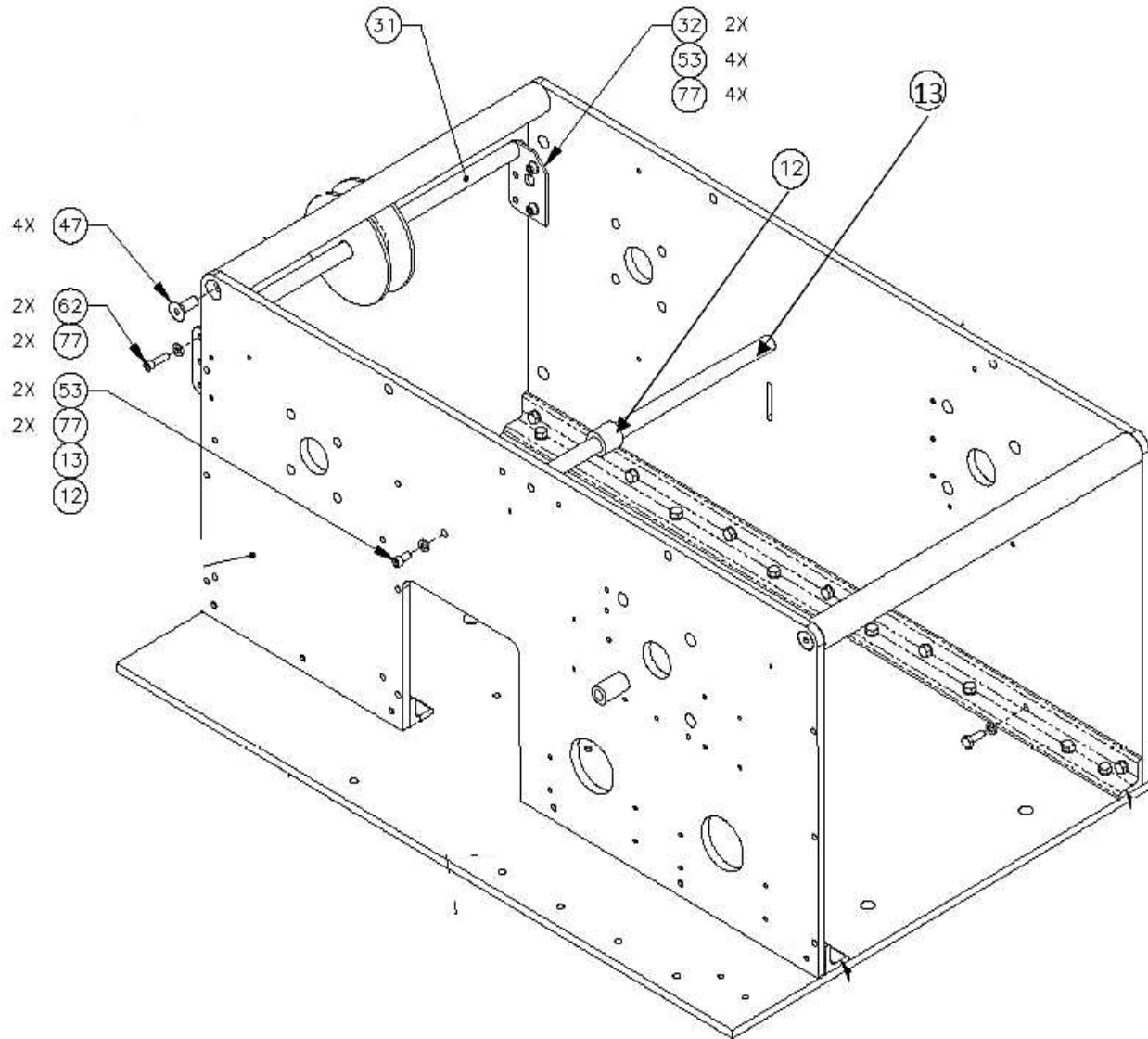
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	806-30347	CABLE,N PLUG > N PLUG, 20FT (REEL TO CONTROLLER)
	806-30348	CABLE,N PLUG > N PLUG, 14.5FT (REEL TO CONTROLLER)

MAINLINE REEL



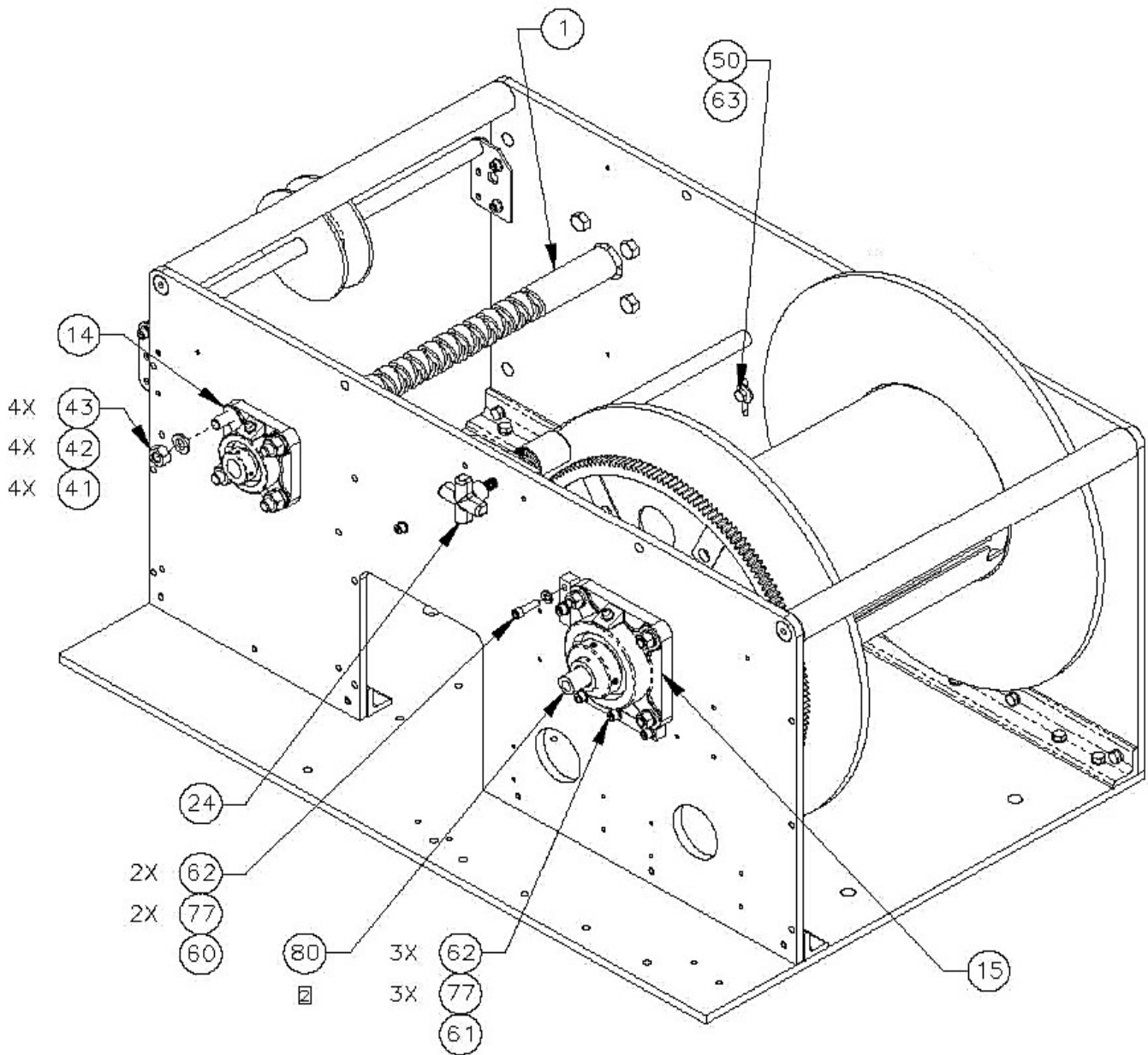
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2	453-11906-31	COVER,SIDE RH,MLCR,BLACK
34	867-13684	ASSY,COUNTER,FTG,LEVEL WIND,STANDARD, MLCR
54	316-11835	WASHER,FLT,#10 SS
80	303-13573	TSCR,PAN,PHH,10X.75, SMS ZINC
75	301-11241	MSCR,SHCS,10-32

MAINLINE REEL



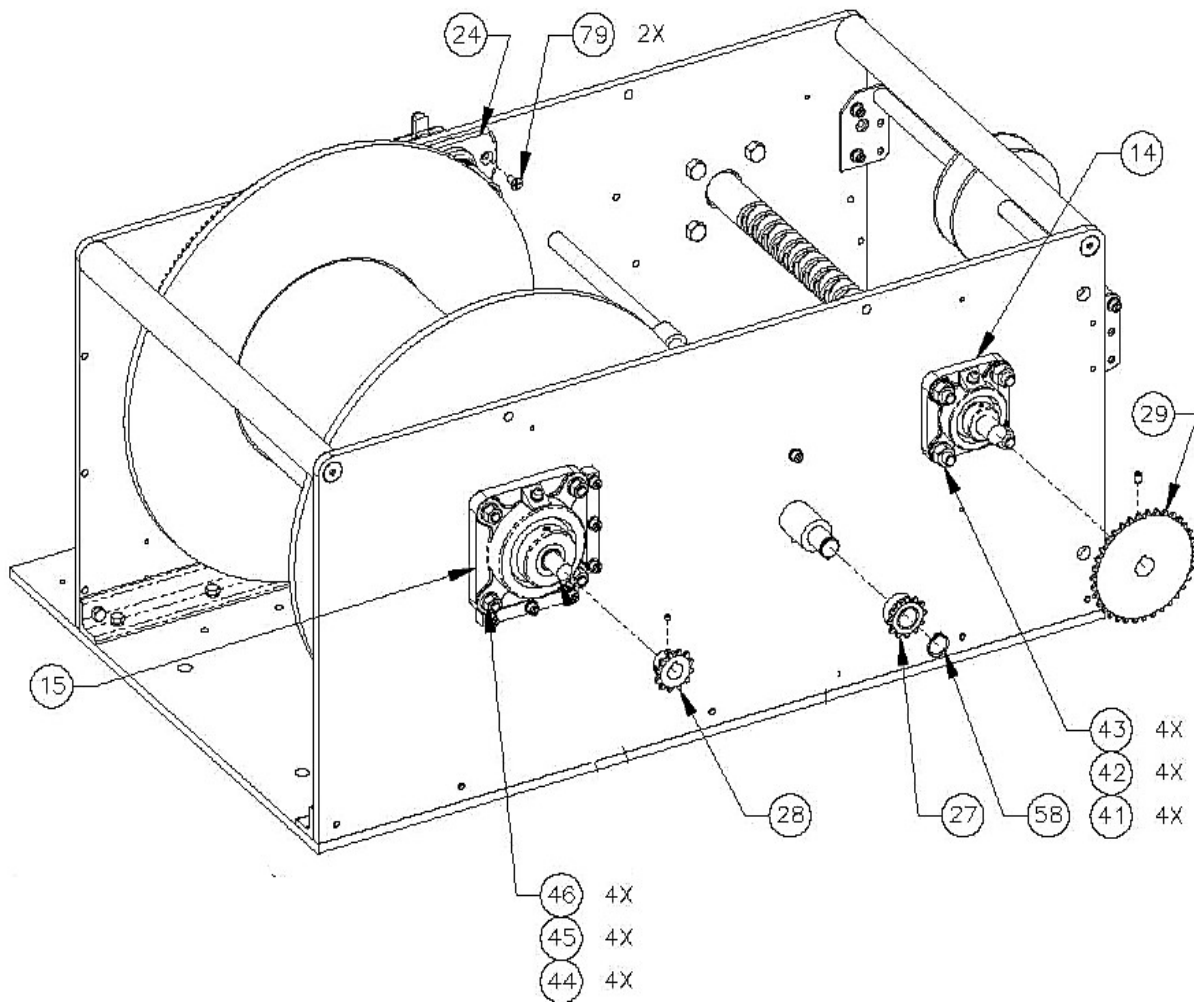
ITEM #	PART #	DESCRIPTION
12	405-15319	BUSHING,TORQUE ARM
13	407-15497	SHAFT,TORQUE ARM,17.00 IN
31	407-37799	SHAFT,ROLLER,GUIDE,16.75"
32	453-37798	BRKT,MTG,SHAFT,ROLLER,GUIDE
47	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
53	301-10651	MSCR,SHCS,1/4-20X.50 SS
62	301-15608	MSCR,SHCS,1/4-20X.87 SS
77	318-15671	WASHER,LKG,.25,HELICAL SS

MAINLINE REEL



ITEM #	PART #	DESCRIPTION
1	407-13465	SHAFT,LEVEL WIND,.75" PITCH X 11.25"
14	404-14094	BEARING,FLANGE,3/4",4 BOLT W/SAE SET SCREW
15	404-14036	BEARING,FLANGE,1-1/4",4 BOLT W/SAE SET SCREW
24	805-12469	ASSY,DRAG BRAKE,MLCR
41	300-32268	MSCR,HEXHD,7/16-14X1.75 ZINC
42	318-15081	WASHER,LKG,.44 (7/16),HELICAL ZINC
43	308-12885	NUT,HEX,7/16-14 ZINC
50	300-14725	MSCR,HEXHD,1/4-20X1 ZINC
60	451-17713	BLOCK,BEARING ADJUST,SOLID SIDE,MLCR
61	451-17714	BLOCK,BEARING ADJUST,MLCR
62	301-15608	MSCR,SHCS,1/4-20X.87 SS
63	316-11245	WASHER,FLT,.25,SAE SS
77	318-15671	WASHER,LKG,.25,HELICAL SS
80	408-30590	COLLAR,SLIP RING,3 CONDUCTOR

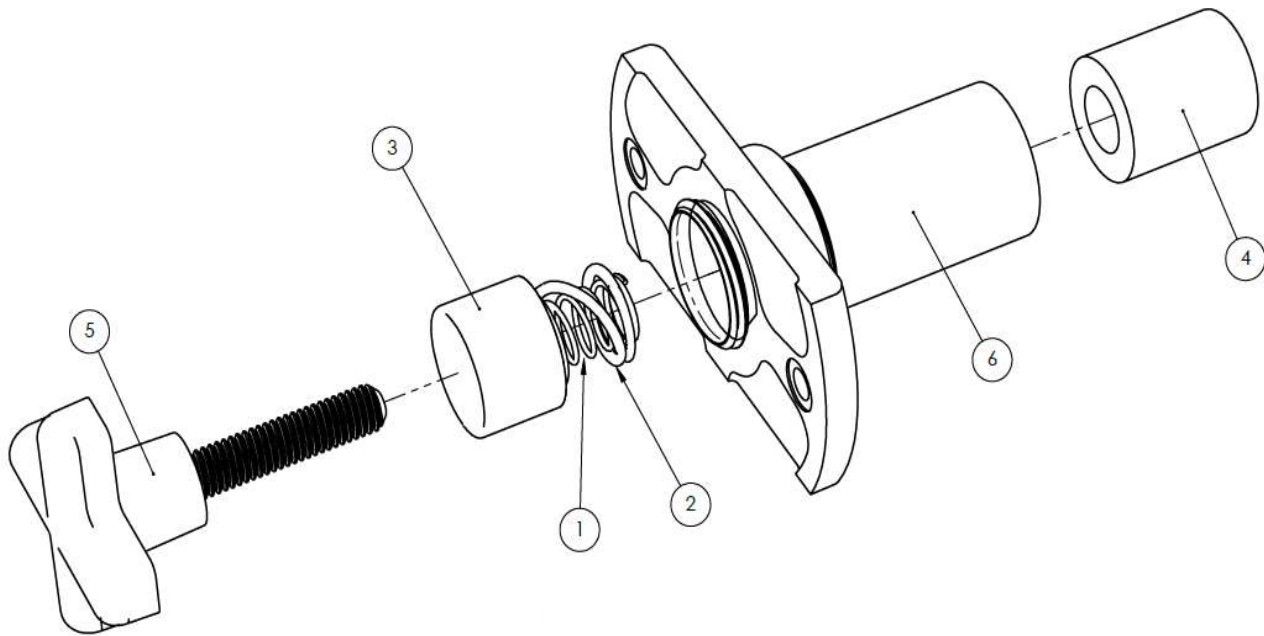
MAINLINE REEL



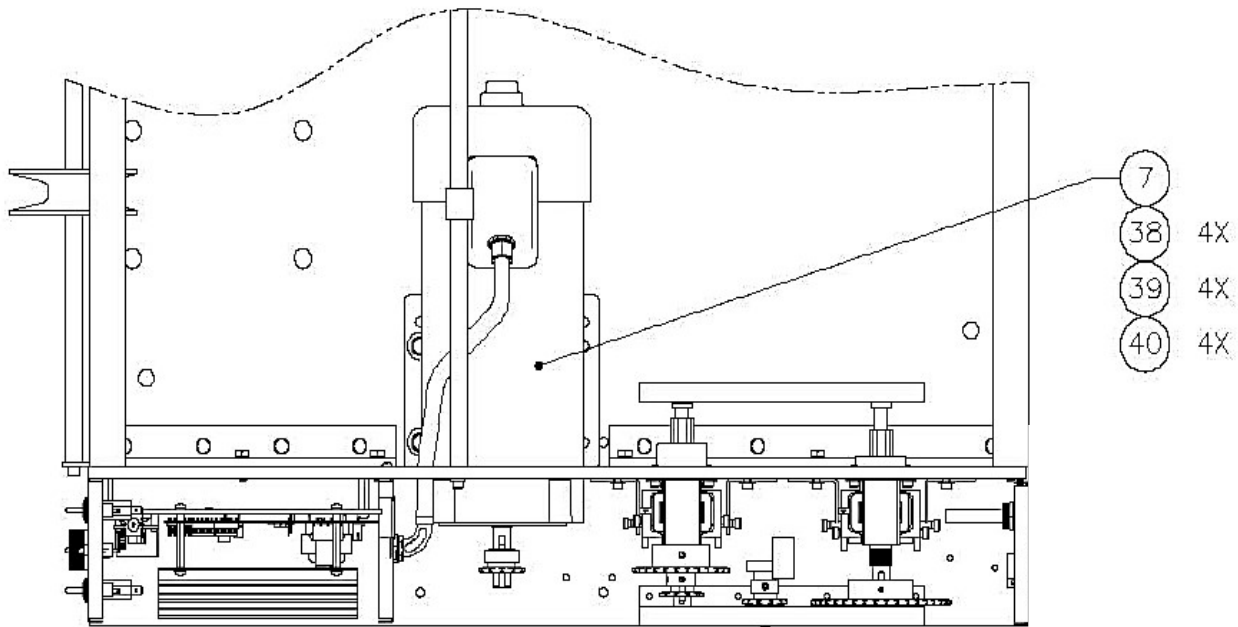
ITEM #	PART #	DESCRIPTION
14	404-14094	BEARING,FLANGE,3/4",4 BOLT W/SAE SET SCREW
15	404-14036	BEARING,FLANGE,1-1/4",4 BOLT W/SAE SET SCREW
24	805-12469	ASSY,DRAG BRAKE,MLCR (PART BREAKDOWN ON FOLLOWING PAGE)
27	805-11368	ASSY,SPRKT,CHAIN TENSIONER,MLCR
28	441-14677	SPRKT,35 PITCH,12 TOOTH,HUB,SSCR,5/8"
29	441-14410	SPRKT,35 PITCH,35 TOOTH,3/4",W/2 SET SCREWS
41	300-32268	MSCR,HEXHD,7/16-14X1.75 ZINC
42	318-15081	WASHER,LKG,.44 (7/16),HELICAL ZINC
43	308-12885	NUT,HEX,7/16-14 ZINC
44	301-10357	MSCR,HEXHD,3/8-16X1.50 SS
45	318-14963	WASHER,LKG,.375,HELICAL ZINC
46	308-12769	NUT,HEX,3/8-16 ZINC
58	410-13180	RING,SNAP,EXT,.750
79	301-14783	MSCR,FLT,PHH,1/4-20X.50 SS

MAINLINE REEL

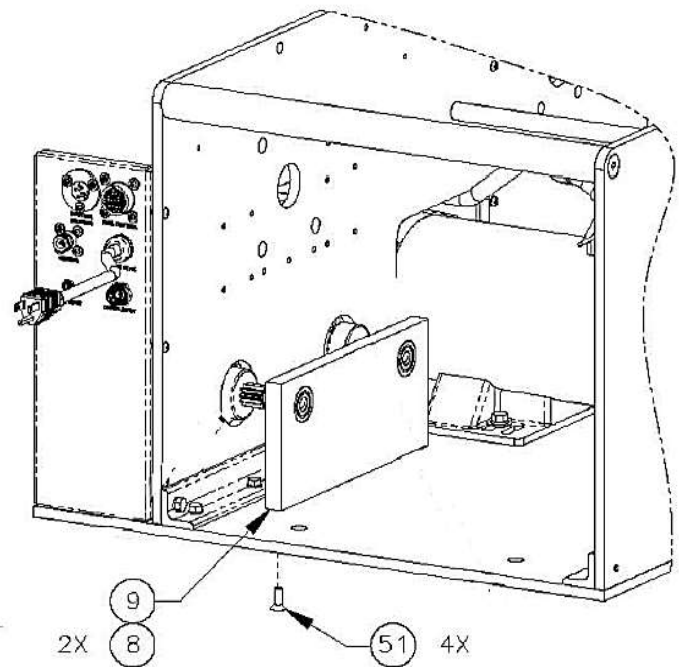
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	805-12469	DRAG BRAKE ASSY	COMP KIT
1	446-13983	SPRING,COMPRESS,2-3/8" L,12.6 LBS	1
2	446-14041	SPRING,DRAG BRAKE, OUTER	1
3	448-11430	FOLLOWER,DRAG BRAKE	1
4	448-11548	PAD,DRAG BRAKE,1.0" O.D.,DELRIN	1
5	805-12527	ASSY,DRAG BRAKE SHAFT AND HANDLE	1
6	805-19193-31	ASSY,HOUSING,DRAG BRAKE,BLK POWDER COAT	1



MAINLINE REEL

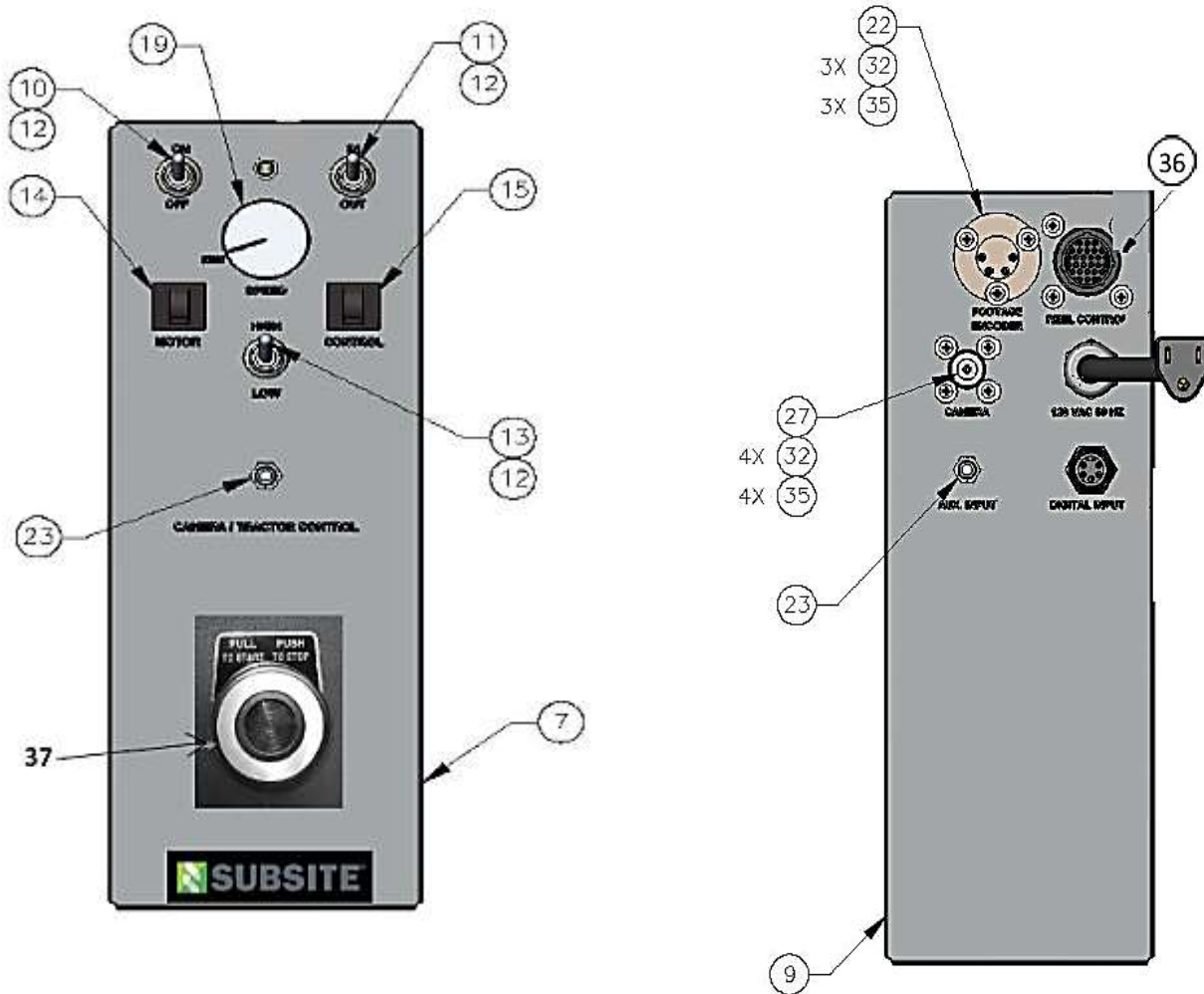


ITEM #	PART #	DESCRIPTION
7	635-13163	MOTOR,90VDC,3/4HP,8.2A,1725RPM,56C
38	301-15548	MSCR,HEXHD,5/16-18X.75 SS
39	318-14904	WASHER,LKG,.31 (5/16),HELICAL SS
40	316-11953	WASHER,FLT,.312 SS



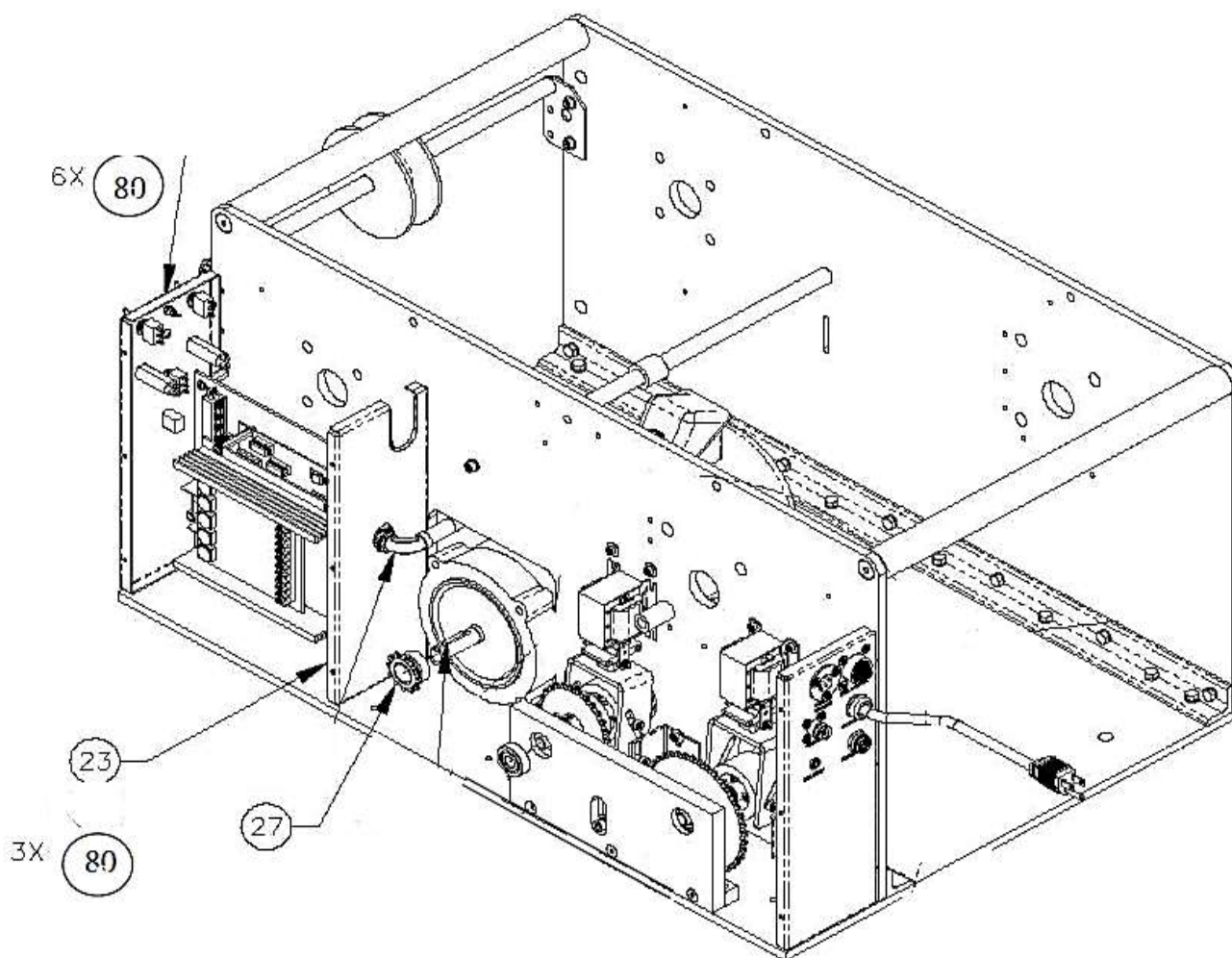
ITEM #	PART #	DESCRIPTION
8	404-14210	BEARING,BALL,1.26 OD, .472 BORE, .394W, SEALED
9	451-12141-31	BLOCK,PINION BEARING,INNER,4.5" TALL,BLK POWDER COAT
51	301-11183	MSCR,FLT,HXS,1/4-20X.75 SS

MAINLINE REEL



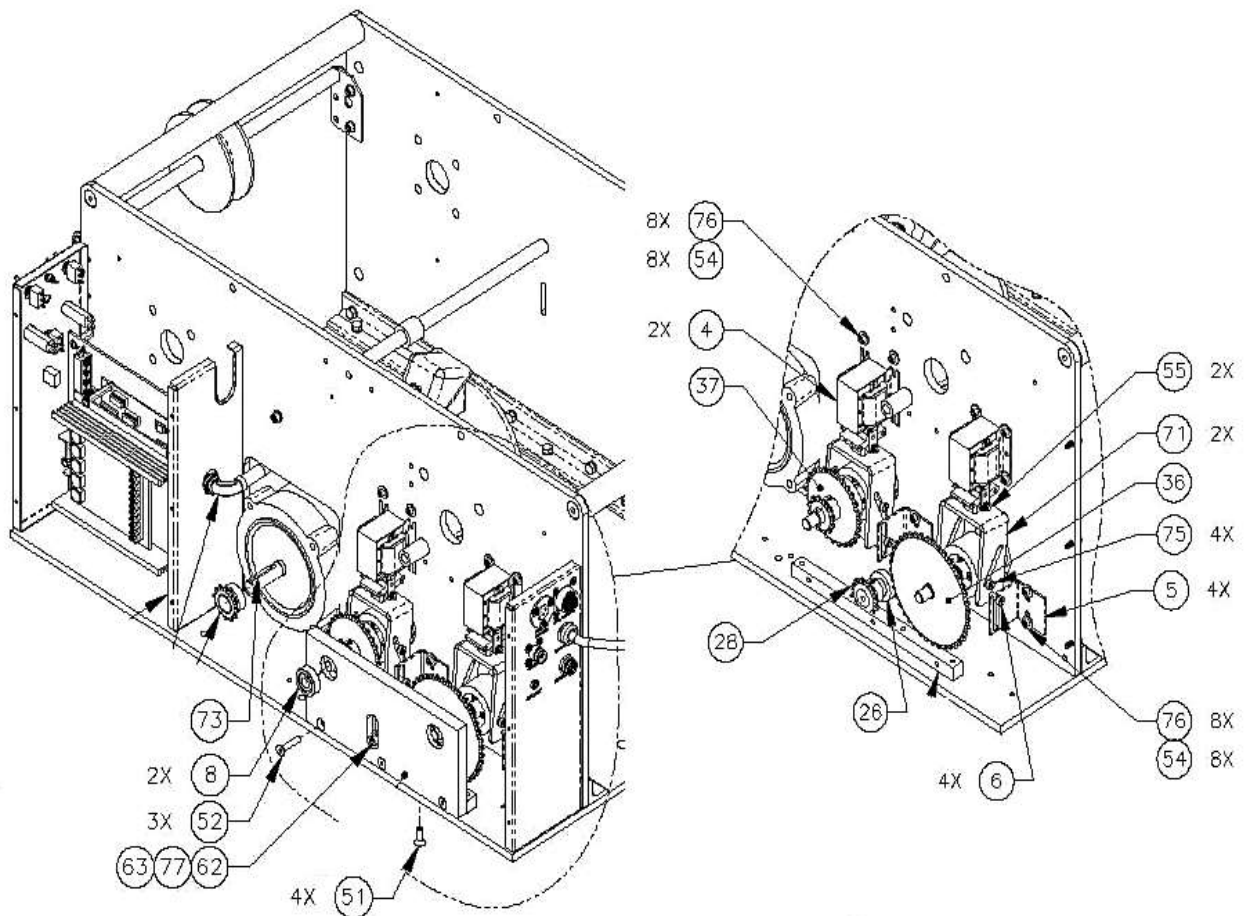
ITEM #	PART #	DESCRIPTION
7	453-12668	FRONT PANEL
9	453-12726	REAR PANEL
10	542-30154	TOGGLE SWITCH,SPDT,MOM,15A,.25QD,ON/OFF/ON
11	542-14697	TOGGLE SWITCH,SPST,MAN,15A,.25QD,ON/NONE/OFF UL/CSA
12	311-18914	NUT,FACENUT,DECORATIVE,SWITCH,15/32-32
13	542-14407	TOGGLE SWITCH,SPDT,15A,.25QD,ON/OFF/ON
14	529-10384	CIRCUIT BREAKER,12AMP,PNL MNT,1/2"X9/16" HOLE
15	529-10502	CIRCUIT BREAKER,3A,PNL MNT
19	447-10663	KNOB,ALUM,.25 SHAFT,1.25 DIA,.63H
22	556-10977	CONN,JACK,4PIN,PANEL MNT,XLR-C4M (FOOTAGE CONN)
23	806-31764	ASSY,CBL,REMOTE AUX CNTRLR,MLCR HARNESS
27	806-31703	ASSY,HARNESS,3 COND. SLIP RING CONN (PHOTO PG 35)
32	301-10473	MSCR,PAN,PHH,4-40X.50 SS
35	316-10891	WASHER,FLT,#4 SS
36	806-34521	CABLE,28 PIN,MLR DFTL-MLC,18'
37	542-20697	RED STOP BUTTON
	542-20696	CONTACT BLOCK (FOR ITEM 37)

MAINLINE REEL



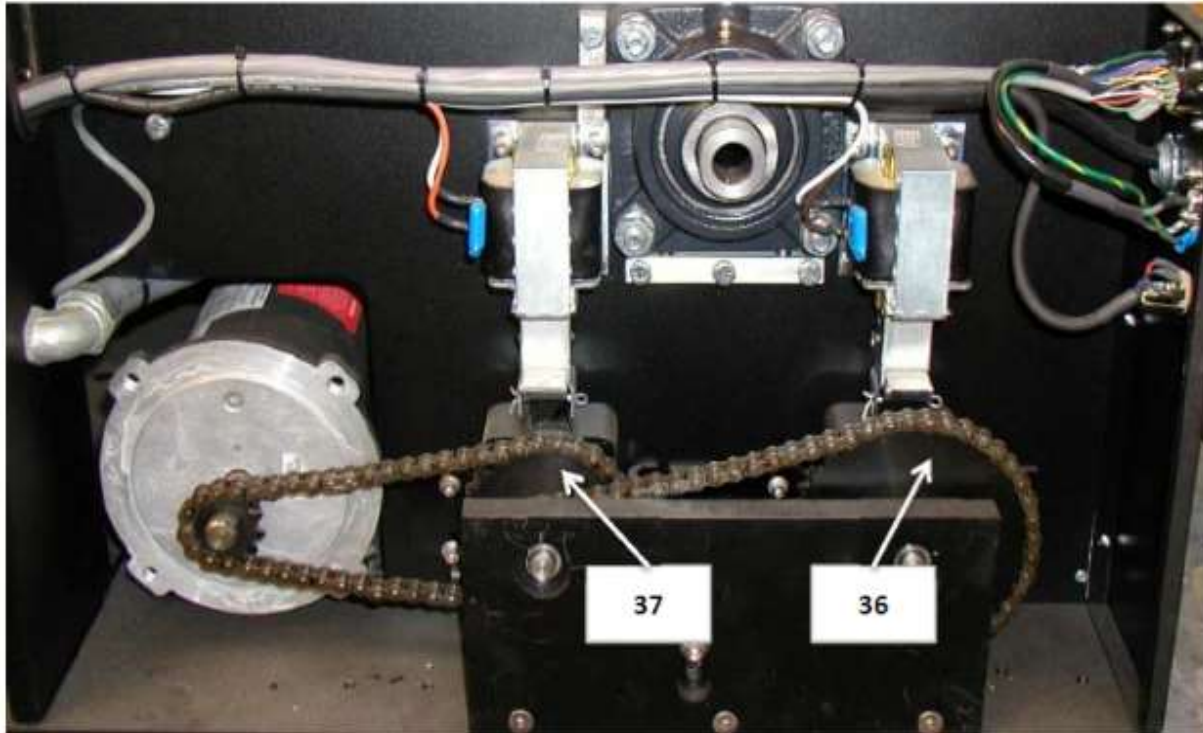
ITEM #	PART #	DESCRIPTION
23	453-12610-31	SIDE PANEL,RIGHT,CENTER SUPPORT
27	805-11368	ASSY,SPRKT,CHAIN TENSIONER,MLCR
80	303-13573	TSCR,PAN,PHH,10X.75,SMS ZINC

MAINLINE REEL



ITEM #	PART #	DESCRIPTION
4	543-10858	SOLENOID,120VAC,6.5 OHM,PULL TYPE
5	451-10487	BRKT,GUIDE,ENGAGEMENT CAM,M/L REEL
8	404-14210	BEARING,BALL,1.26OD,.472BORE,.394W,SEALED
26	407-11779	SHAFT,CHAIN TENSIONER,PINION SIDE
28	441-14677	SPRKT,35 PITCH,12 TOOTH,HUB,SSCR,5/8"
36	805-14140	REFER TO FOLLOWING PAGE
37	805-14198	REFER TO FOLLOWING PAGE
51	301-11183	MSCR,FLT,HXS,1/4-20X.75 SS
52	301-11360	MSCR,FLT,HXS,1/4-20X1.25 SS
54	316-11835	WASHER,FLT,#10 SS
55	400-12072	PIN,COTTER,.125"X2
62	301-15608	MSCR,SHCS,1/4-20X.87 SS
63	316-11245	WASHER,FLT,.25,SAE SS
71	442-11959	CAM,PINION ENGAGEMENT,PAINTED
75	305-10064	BOLT,SHLDR,SKT HD,10-24,1/4 X 3/8 STL
76	301-11241	MSCR,SHCS,10-32X.50 SS
77	318-15671	WASHER,LKG,.25,HELICAL SS

MAINLINE REEL



ITEM #	PART #	DESCRIPTION
36	805-14140	LOW SPEED BENDIX ASSEMBLY (WITH 1 SPROCKET)
37	805-14198	HIGH SPEED BENDIX ASSEMBLY (WITH 2 SPROCKETS)
	441-11191	CHAIN #35 PITCH (24" FOR LOW / 20" FOR HIGH)



39	548-35924	PWR SPLY,SWITCHING,12V@3.2A,40W
	548-40288-1	PWR SPLY,12V@2.5A,30W

MAINLINE REEL ELECTRICAL PARTS



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
30	863-12299	CONTROLLER, MOTOR SPEED
31	220-10939	KIT, FIELD PCB INSTALL INSTRUCTIONS W/SMART BOARD (861-33713-34)
	501-13595	RES, WW, 50W, AL HSG, 0.5 OHM
	503-12789	RES, VAR, 2W, 10% 10K (MOTOR SPEED CONTROL)
	529-10384	CIRCUIT BREAKER, 12A
	529-10502	CIRCUIT BREAKER, 3A, 1/2 MTG HOLE
	529-11682	FUSE, 10-AMP, MOTOR CONTROL BOARD

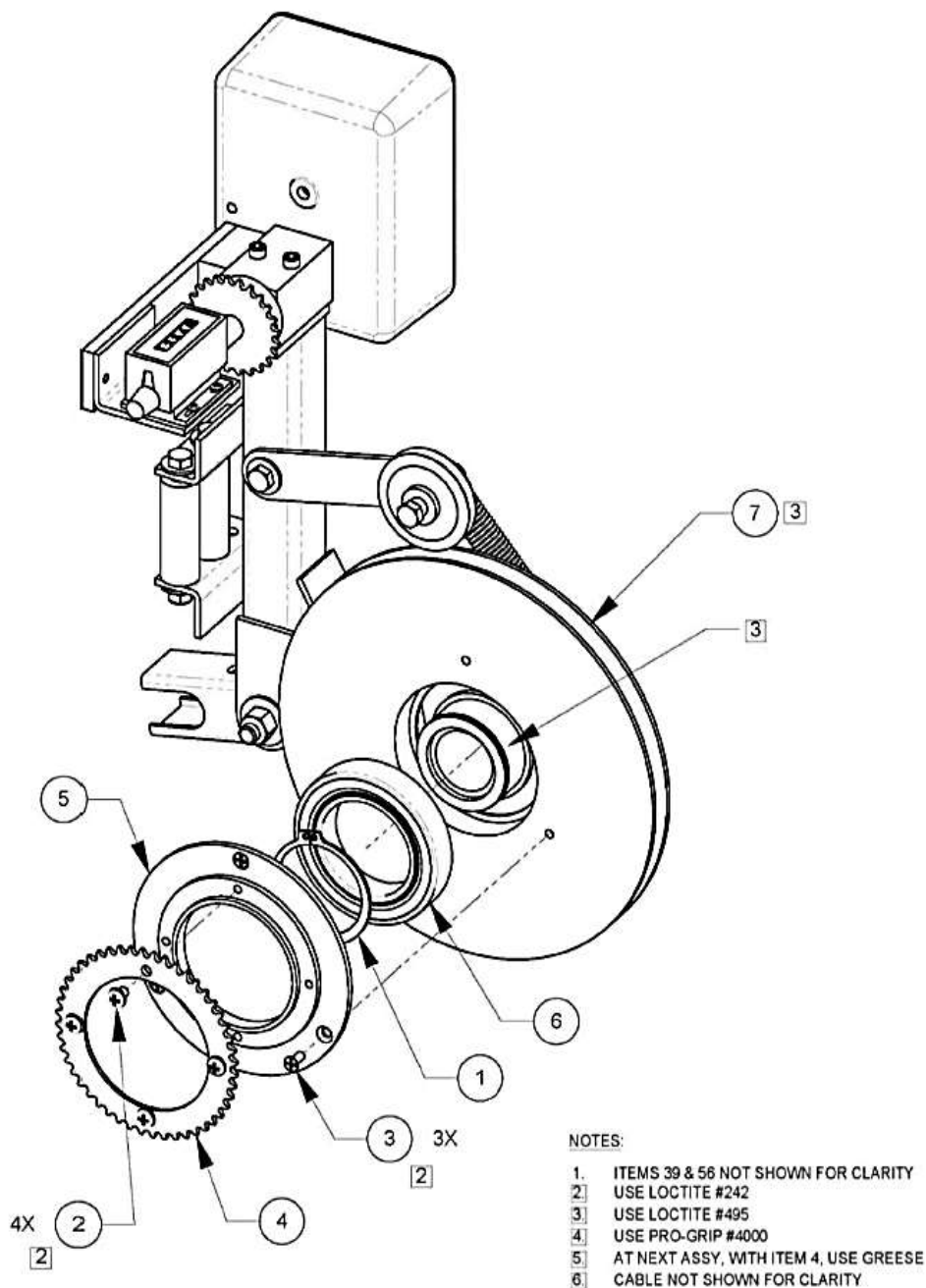
SLIP RING PARTS

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	560-17860	SLIP RING CAP (3 SOLDER TABS)
2	806-31703	ASSY, HARNESS, 3 CONDUCTOR
3	560-17861	SLIP RING CONNECTOR, THREE LEADS
4	560-17862	SLIP RING, MERCURY WETTED, SEALED (3 CONDUCTOR)



MAINLINE REEL

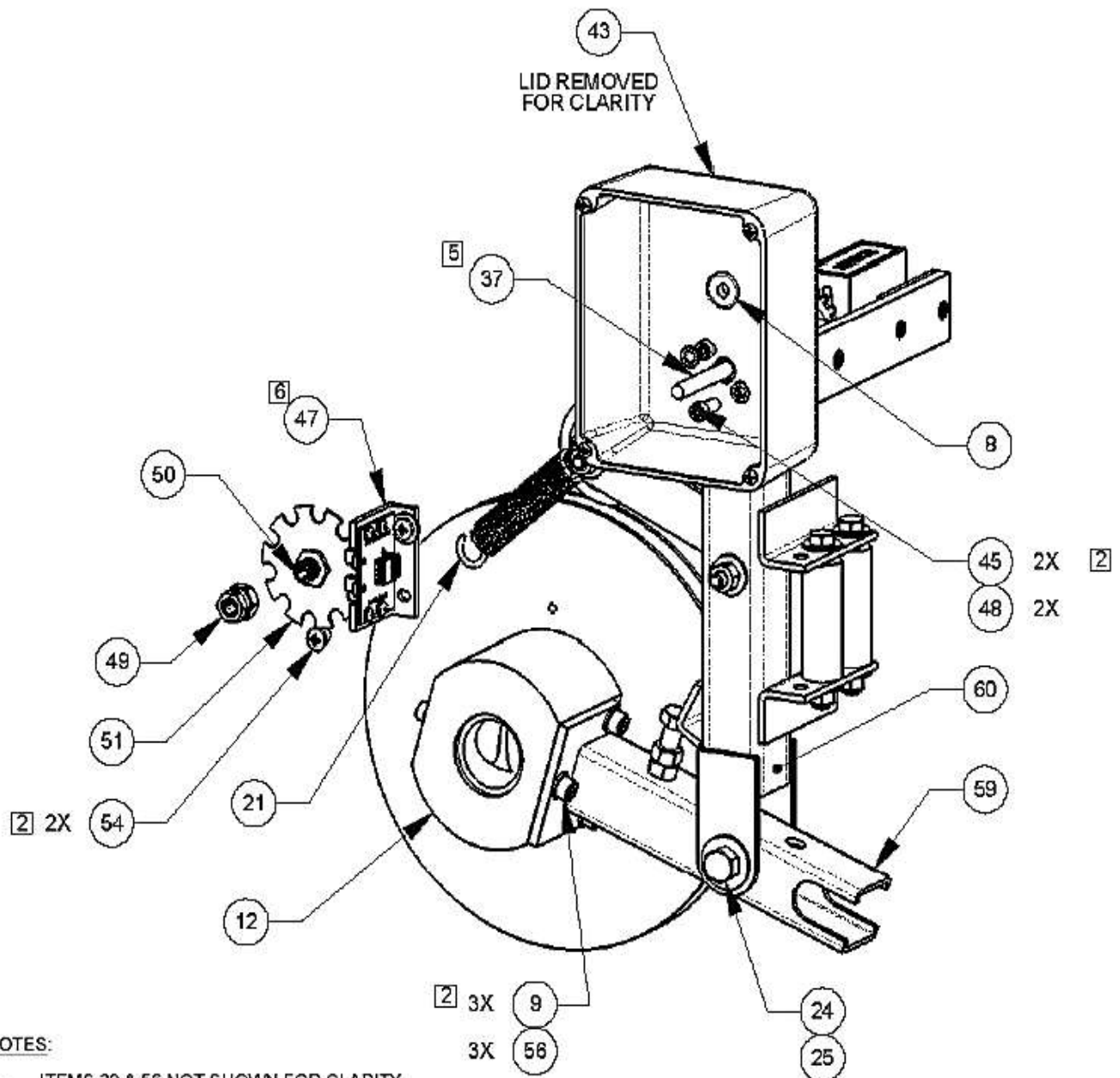
FOOTAGE COUNTER ASSEMBLY - LEVEL WIND, STANDARD



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-13684	COMPLETE ASSEMBLY , FTG COUNTER,LEVEL WIND,STANDARD,MLCR
1	410-30471	RING,RETAINING,EXT,RADIAL,.75" SHAFT (E-CLIP)
2	301-13799	MSCR,PAN,PHH,10-32X.25 SS
3	301-12707	MSCR,FLT,PHH,8-32X.37 SS
4	441-11722	SPRKT,COUNTER DRIVE,48T,MODIFIED
5	451-15032	MOUNT,DRIVE SPRKT,FOOTAGE COUNTER
6	404-13635	BEARING,BALL,3.149 OD, 1.968 BORE, .63W,SEALED
7	443-13753-21	WHEEL,COUNTER,FOOTAGE

MAINLINE REEL

FOOTAGE COUNTER ASSEMBLY - LEVEL WIND, STANDARD



NOTES:

1. ITEMS 39 & 56 NOT SHOWN FOR CLARITY
2. USE LOCTITE #242
3. USE LOCTITE #495
4. USE PRO-GRIP #4000
5. AT NEXT ASSY, WITH ITEM 4, USE GREASE
6. CABLE NOT SHOWN FOR CLARITY

PART NUMBERS ON FOLLOWING PAGE

MAINLINE REEL

FOOTAGE COUNTER ASSEMBLY - LEVEL WIND, STANDARD

ITEM #	PART #	DESCRIPTION
8	449-15089	GROMMET,RUBBER,1/4 ID 7/16 HOLE
9	301-10651	MSCR,SHCS,1/4-20X.50 SS
12	864-16909	ASSY,FOLLOWER BLOCK
21	446-14157	SPRING,WHEEL TENSION,FOOTAGE COUNTER
24	300-10120	MSCR,HEXHD,3/8-16X2.25,GRD5 ZINC
25	315-11717	WASHER,FLT, .37 ZINC
37	407-12367	SHAFT,FOOTAGE COUNTER
43	452-11199	BOX,COUNTER HOUSING,W/LID
45	301-11241	MSCR,SHCS,10-32X.50 SS
47	806-18586	HARNESS,FOOTAGE ENCODER,W/CABLE,W/BRKT
48	318-14788	WASHER,LKG,#10,INT TOOTH SS
51	505-42200	SHAFT LOCK, 1/4" & BUSHING SOLD TOGETHER
52		FOOTAGE WHEEL ITEMS 51 & 52 SOLD TOGETHER AS ONE PART NUMBER
54	301-14087	MSCR,PAN,PHH,10-32X.31 SS
56	318-15671	WASHER,LKG,.25,HELICAL SS
59	445-13183	ASSY,ARM,TORQUE,LEVEL WIND
60	800-14139	ASSY,COUNTER ARM

ITEM #	PART #	DESCRIPTION	QTY
	841-11414	REPAIR KIT, FOOTAGE ENCODER (DAISY WHEEL)	COMP KIT
38	407-12367	SHAFT, FOOTAGE COUNTER	
49	806-18586	ASSY,HARNESS,FOOTAGE ENCODER,W/CABLE,W/BRKT	
51	505-42200	SHAFT LOCK, 1/4" & BUSHING SOLD TOGETHER	
52		FOOTAGE WHEEL ITEMS 51 & 52 SOLD TOGETHER AS ONE PART NUMBER	
53	443-13810	FOOTAGE SENSOR WHEEL (DAISY WHEEL)	



38

51 52

505-42200



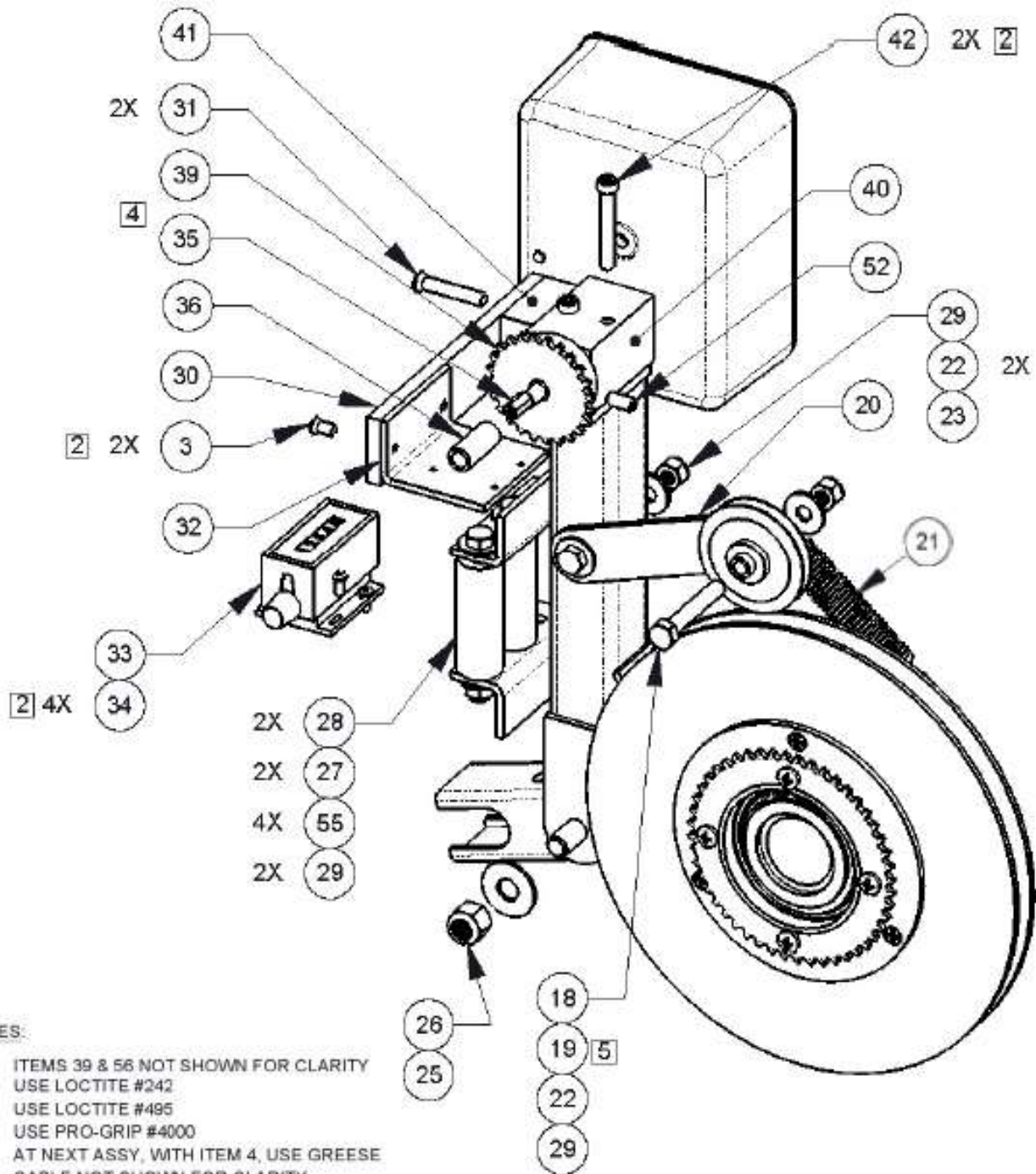
53



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MAINLINE REEL

867-13684 COMPLETE FOOTAGE COUNTER ASSEMBLY



PART NUMBERS ON FOLLOWING PAGE

MAINLINE REEL

867-13684 COMPLETE FOOTAGE COUNTER ASSEMBLY

ITEM #	PART #	DESCRIPTION
3	301-12707	MSCR,FLT,PHH,8-32X.37 SS
18	300-11419	MSCR,HEXHD,1/4-20X1.75 ZINC
19	805-21529	PINCH ROLLER ASSEMBLY
20	445-13298-31	ARM,PINCH ROLLER
21	446-14157	SPRING,WHEEL TENSION,FOOTAGE COUNTER
22	315-11304	WASHER,FLT,.25,SAE ZINC
23	300-15194	MSCR,HESHD,1/4-20X2 ZINC
25	315-11717	WASHER,FLT,.37 ZINC
26	308-13975	NUT,HEX,3/8-16,NYLOCK ZINC
27	300-15253	MSCR,HEXHD,1/4-20X3,GRD 5 ZINC
28	800-21109	ASSY,ROLLER,GUIDE,FOOTAGE COUNTER
29	308-14265	NUT,HEX,1/4-20,NYLOCK ZINC
30	451-12722	BAR,MTG,COUNTER
31	301-13856	MSCR,FLT,PHH,10-32X1.25 SS
32	451-12664	ANGLE,COUNTER MOUNTING
33	867-20485	COUNTER,MECHANICAL,5 DIGIT,10CTS W/ADAPTER
34	301-11181	MSCR,PAN,PHH,4-40X.31 SS
35	408-12425	ADPTR,SHAFT,FOOTAGE COUNTER
36	606-11516	HOSE,RUBBER,VACUUM,5/32"
39	805-11663	ASSY,SPRKT,COUNTER DRIVE,24 TOOTH
40	864-16911	ASSY,BEARING BLOCK,COUNTER DRIVE
41	451-12780	BLOCK,COUNTER MOUNTING,COUNTER
42	301-11300	MSCR,SHCS,10-32X1.50 SS
52	304-11066	SSCR,CUP PT,HXS,10-32X.50 SS
55	316-11245	WASHER,FLT,.25,SAE SS

PROTRAK CRAWLER TRANSPORTER



SHOWN WITH TRAKSTAR CAMERA

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	450-36321	SKID, TOP MOTOR
2	450-36322	SKID, SIDE MOTOR
3	867-36597	BRIDLE
4	301-19935	MSCR,SHCS,6-32X0.375 SS
5	449-36317	BRIDLE CLAMP
	806-34469-24	CABLE, CAMERA, 6 SKT TO 4 PIN EUROFAST 24"
	806-38138-24	CABLE, CAMERA, 4 SKT (EURO) TO 4 PIN (EURO) 24"

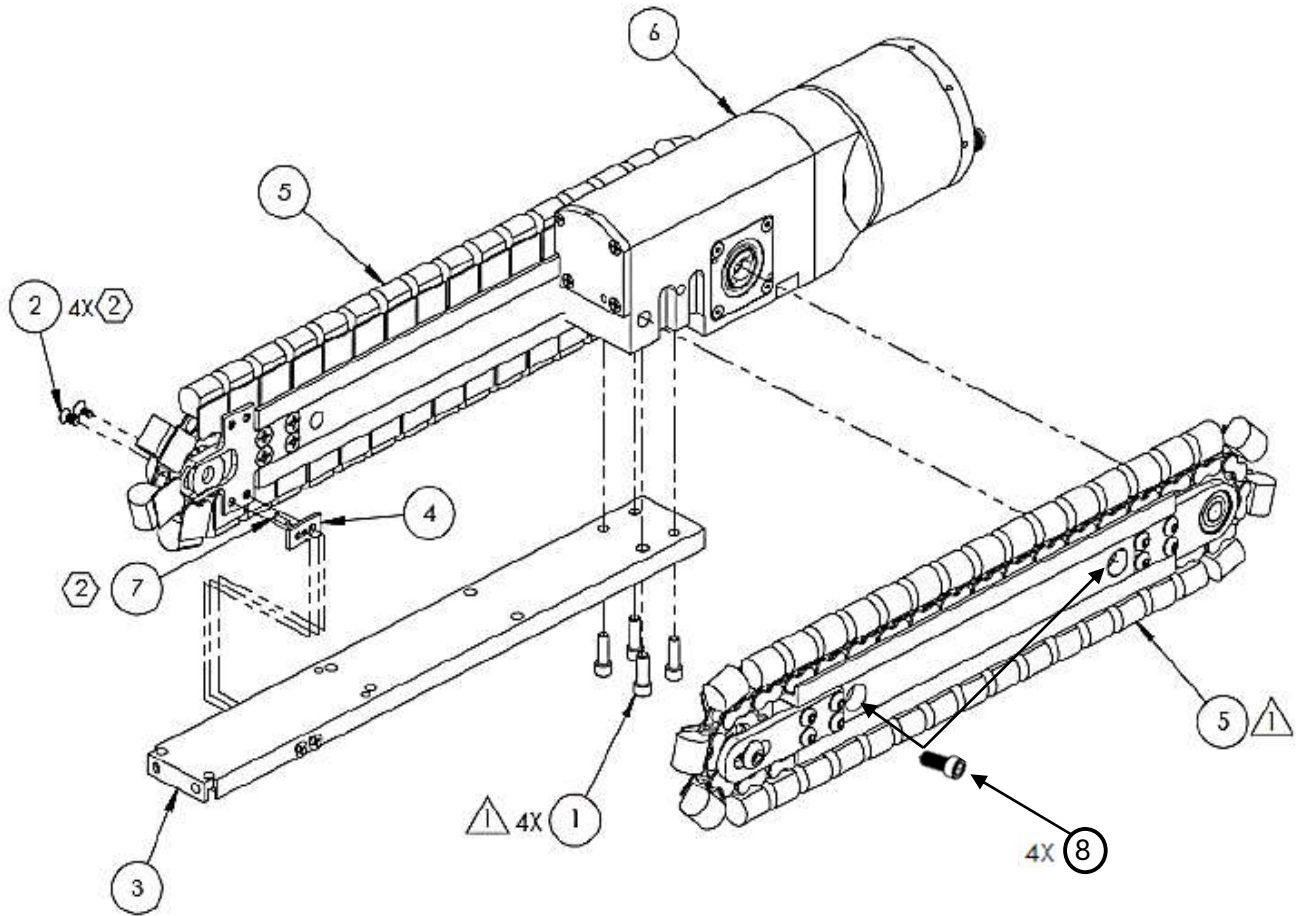
TREAD ADJUSTMENT VIDEO

<https://www.youtube.com/watch?v=dVrnPPODHik>



PROTRAK CRAWLER TRANSPORTER

6" CONFIGURATION



ITEM #	PART #	DESCRIPTION
	840-36568	KIT, 6" CONFIGURATION (INCLUDES ITEMS 1,2,3,4,7)
1	301-10887	MSCR,SHCS,1/4-20X.75 SS
2	301-15136	MSCR,FLT,PHH,10-32X.37 SS
3	451-36329	PLATE,BASE,6",PTC
4	474-39392	SHIM, RT TREAD TO BASE,PROTRAK
5	866-36641	ASSY,TREAD DRIVE,PTC (ASSEMBLIES FOR TREAD DRIVE ON FOLLOWING PAGE)
6	805-37256	ASSY,MOTOR/GEARBOX,6 PIN,SC,PTC,V2
7	301-11063	MSCR,FLT,PHH,4-40X.37 SS
8	301-24105	MSCR,SHCS,3/8-16X1 SS

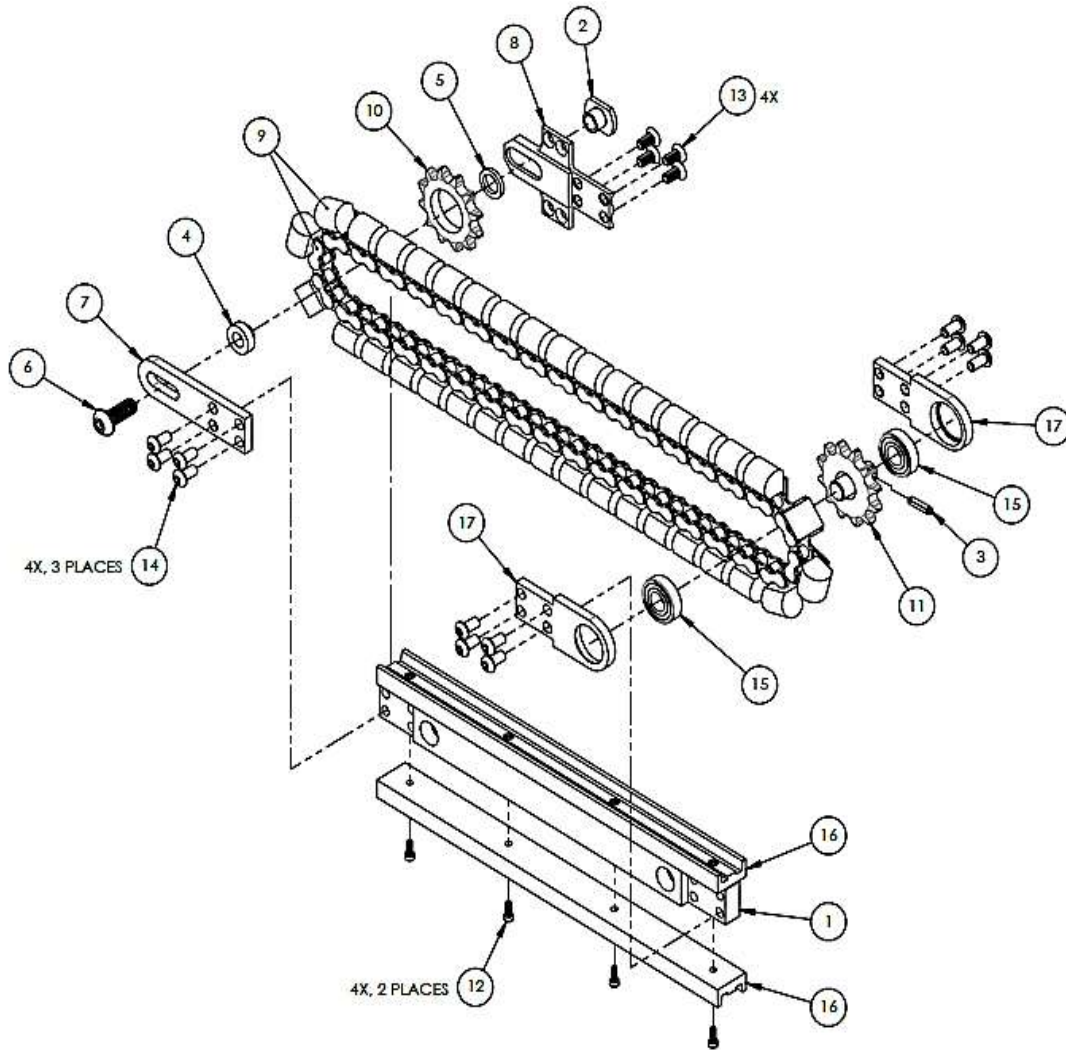
6" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=fSkTjSrBhDQ>

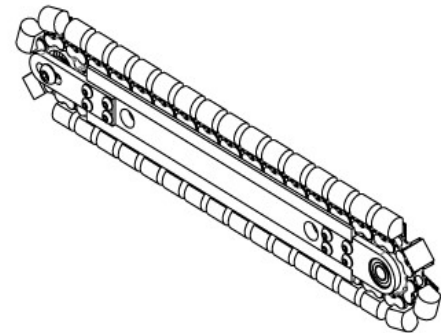


PROTRAK CRAWLER TRANSPORTER

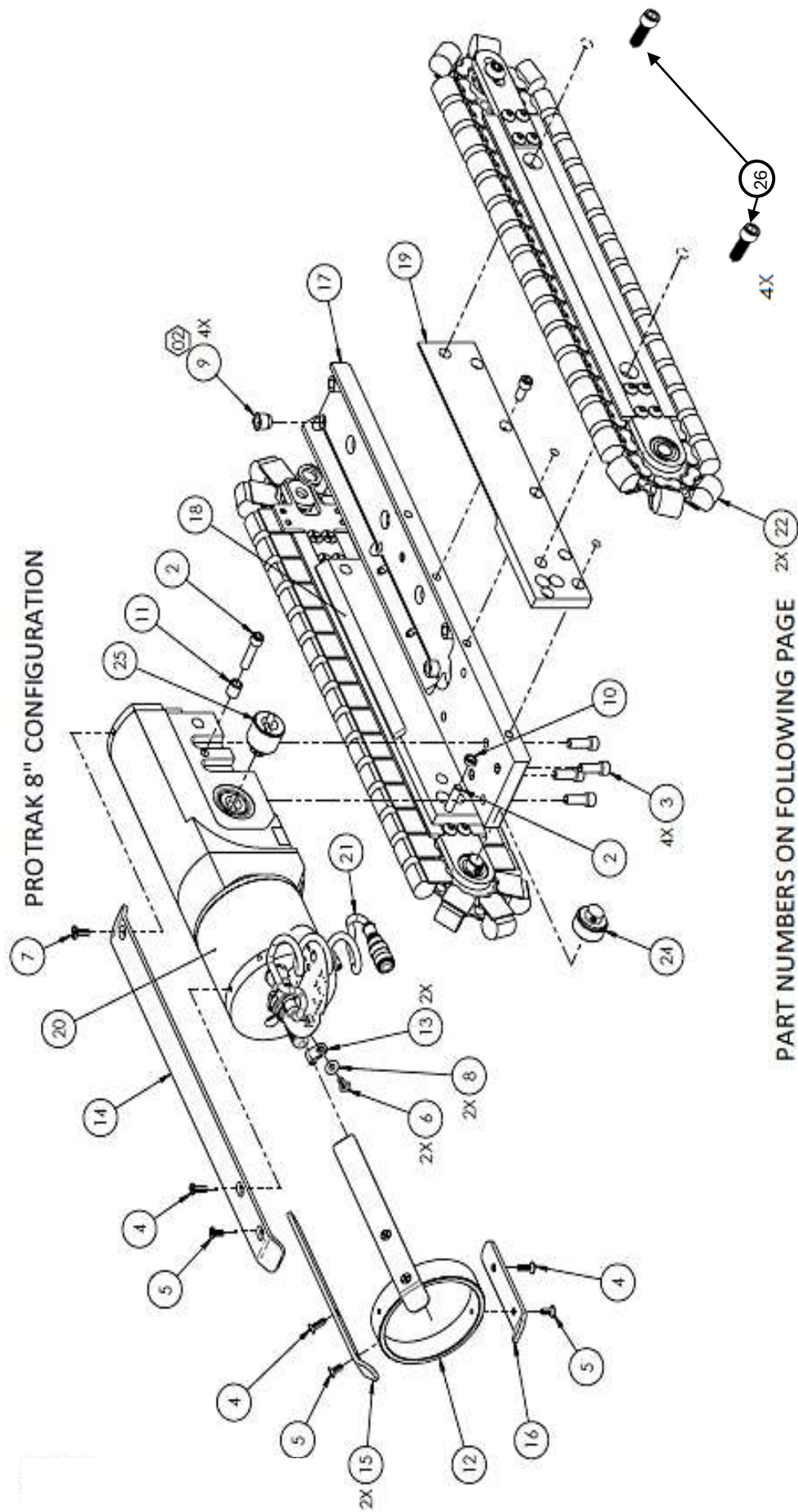
TREAD DRIVE ASSEMBLIES



ITEM #	PART #	DESCRIPTION
1	451-24038	TRACK RAIL, SHORT, CR8/PTC
2	311-36327	NUT, LOCK,ADJ,TENSION,TREAD,PTC
3	400-30918	PIN,SPRING,ROLL,3-16X11/16",420 SS
4	403-24110	SPACER,SPKT,IDLER
5	403-36328	SPACER,.750" OD X .505" ID X .11W,303
6	305-36846	MSCR,BTNHD,HXS,3/8-16X1.00, 18-8 SS
7	453-24111	PLATE,MTG,SPRKT,IDLER,TREAD DRIVE,PTC
8	453-36326	PLATE,MTG,SPRKT,IDLER,TREAD DRIVE,PTC
9	867-24026	ASSY,CHAIN PAD LINK
10	805-31508	ASSY,SPRKT,IDLER (WITH BEARING INCLUDED, ITEM 15)
11	805-24114-40	ASSY,SPRKT,DRIVE
12	301-19935	MSCR,SHCS,6-32X.375 SS
13	301-36835	MSCR,FLT,PHH,1/4-20X.50 SS
14	305-30661	MSCR,BUTTON,HXS,1/4-20X.50 SS
15	404-13120	BEARING,BALL,1.12 OD,.500 BORE,.312 WIDE
16	449-24013	GUIDE,CHAIN,CRAWLER,SHORT,8P,CR8/PTC
17	453-24112	PLATE,MTG,BUSHING,DRIVE,TREAD DRIVE,CR8



NOTES SECTION



PROTRAK CRAWLER TRANSPORTER

8" CONFIGURATION

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	301-10651	MSCR,SHCS,1/4-20X.50 SS
2	301-10769	MSCR,SHCS,1/4-20X1 SS
3	301-10887	MSCR,SHCS,1/4-20X.75 SS
4	301-12359	MSCR,FLT,PHH,8-32X.50 SS
5	301-12707	MSCR,FLT,PHH,8-32X.37 SS
6	301-12765	MSCR,PAN,PHH,8-32X.37 SS
7	301-13230	MSCR,FLT,PHH,10-32X.50,UNDERCUT SS
8	316-11068	WASHER,FLT,#8 SS
9	403-34619	SPACER,MTG,CAMERA,TRANSTAR
10	403-36861	SPACER,1/4"X3/8"X.120,PTC
11	403-38224	SPACER,1/4"X3/8"X.39" L
12	410-19071-21	RING,PROTECTOR,TNC & PIGTAIL
13	449-12259	CLAMP,CABLE,1/8",PLASTIC,BLACK
14	450-36321	SKID,MOTOR,TOP,PTC
15	450-36322	SKID,MOTOR,SIDE,PTC
16	450-36323	SKID,MOTOR,BOTTOM,PTC
17	451-36320	PLATE,BASE,8-15",PTC
18	453-36343	PLATE,MTG,TREAD,SIDE,LT,PTC
19	453-36344	PLATE,MTG,TREAD,SIDE,RT,PTC
20	805-37256	ASSY,MOTOR/GEARBOX,6 PIN,SC,PTC,V2
21	806-38138	CABLE, 4SKT FEM (EURO)- 4PIN MALE (EURO),13.5"
22	866-36641	ASSY,TREAD DRIVE,PTC
23	867-36597	ASSY,BRIDLE,TOW,PROTRAK
24	867-36619	ASSY,COUPLER,DRIVE,TRACK,LEFT,8" PIPE
25	867-37284	ASSY,COUPLER,DRIVE,TRACK,RIGHT,8" PIPE
26	301-24105	MSCR,SHCS,3/8-16X1 SS

8" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=7FUZXsW9X0I>



PROTRAK CRAWLER TRANSPORTER

ACCESSORIES KIT

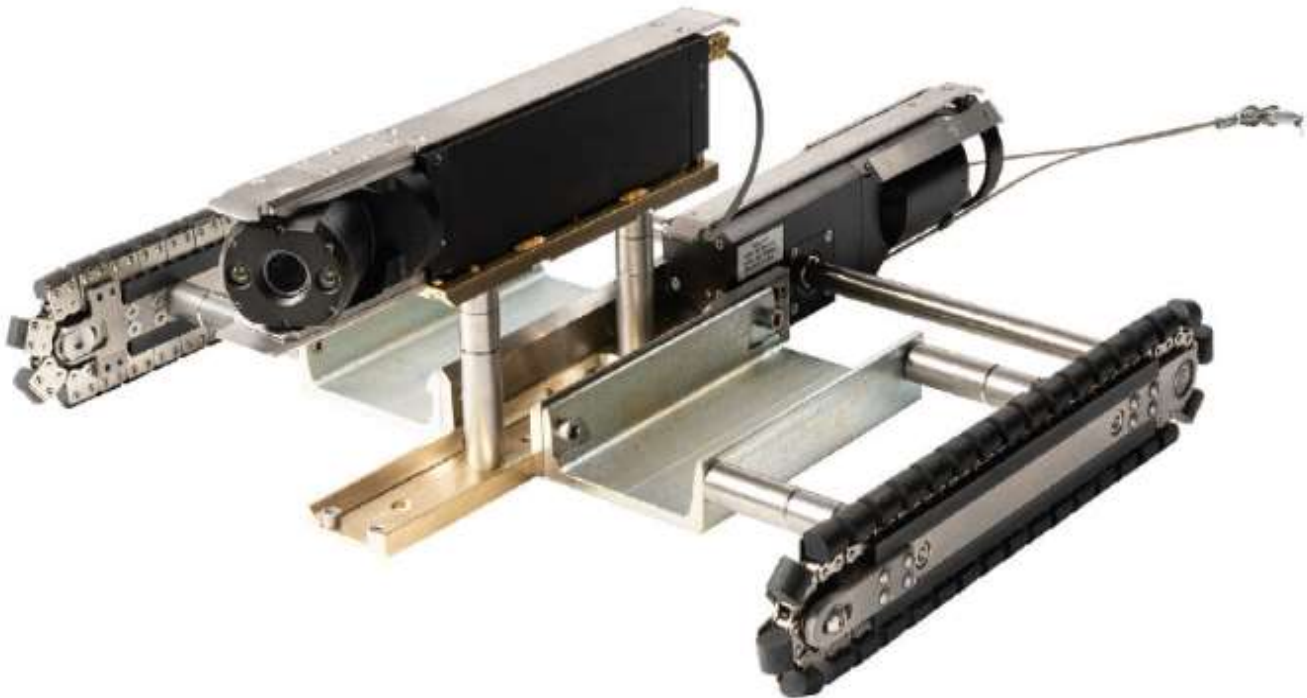


ITEM #	PART #	DESCRIPTION	QTY
	840-37258	KIT,ACCESSORIES,PROTRAK V2, 8-15"	COMP KIT
021	867-24119	ASSY,SPACER,2.38"L,EXTENSION,8"CRAWLER/PTC	4
022	867-24118	ASSY,SPACER,1.25"L,EXTENSION,8"CRAWLER/PTC	4
023	867-31668	ASSY,PLATE,MTG,CAMERA,CRAWLER,8-15",SHORT	1
030	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2	1
031	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2	1
033	408-37022-1	COUPLER,DRIVE,TRACK,PROTRAK V2,10" PIPE	2
034	408-37022-2	COUPLER,DRIVE,TRACK,PROTRAK V2,12" PIPE	2
035	408-37022-3	COUPLER,DRIVE,TRACK,PROTRAK V2,15" PIPE	2
050	963-38609	EXTENSION INFORMATION SHEET, PROTRAK	1
	301-10769	MSCR,SHCS,1/4-20X1 SS	4
	301-11183	MSCR,FLT,HXS,1/4-20X.75 SS	4
	304-31501	SSCR,CUP PT,HXS,3/8-16X1 SS	4
	305-42219	MSCR,BTNHD,HXS,1/2-13X5/8",18-8 SS	2
	403-30725	SPACER,CAMERA MOUNT,CRAWLER/TRANSTAR	2
	634-10642	WRENCH,ALLEN,3/16,LONG ARM	1
	634-11114	WRENCH,ALLEN,5/32,LONG ARM	1
	634-17242	WRENCH,ALLEN,5/16,LONG ARM	1

PROTRAK CRAWLER TRANSPORTER

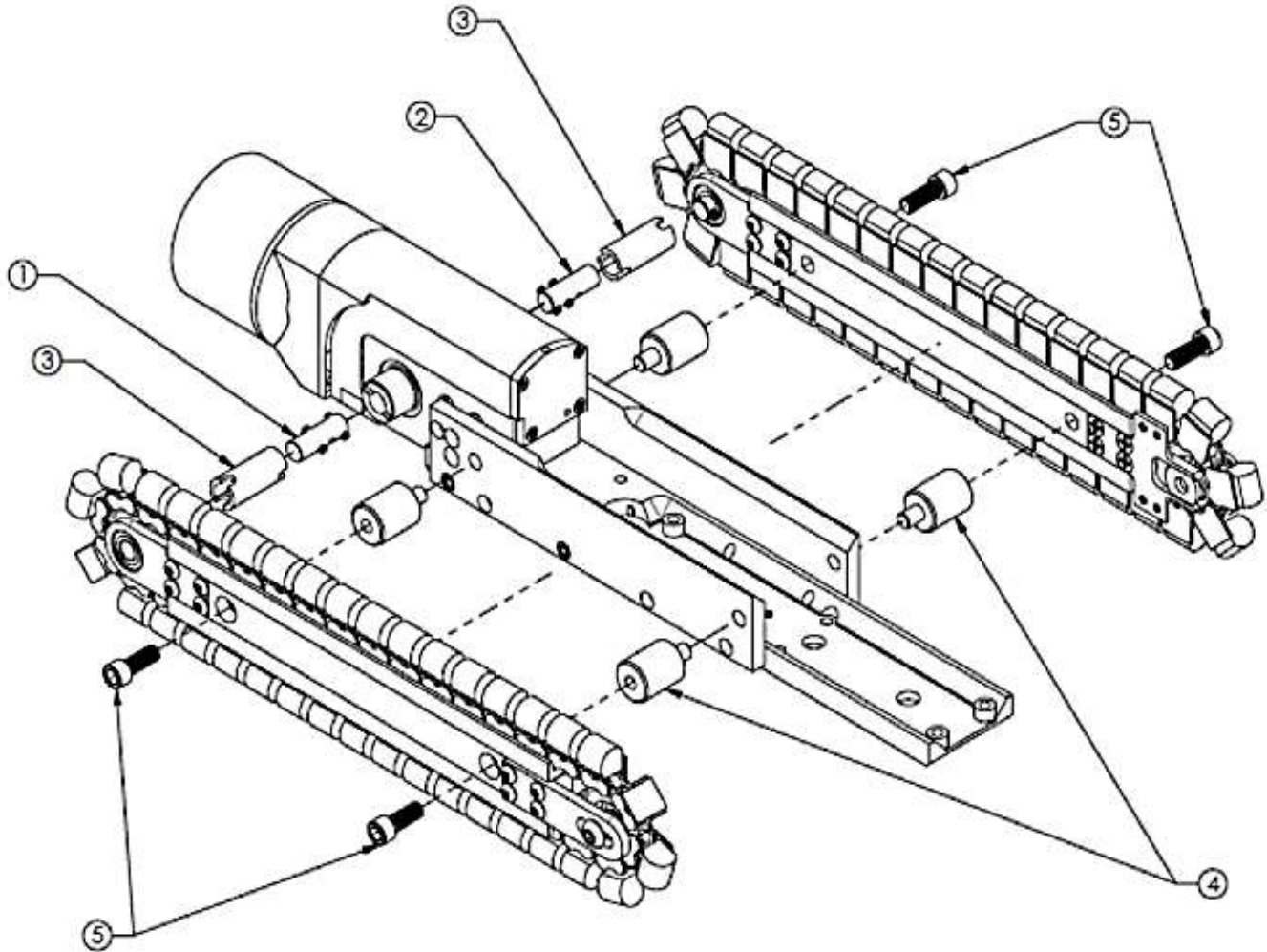
EXTENSION KIT 18-30"

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	840-37276	COMPLETE KIT	
	408-37022-8	COUPLER,DRIVE,TRACK,PROTRAK V2,30" PIPE	2
	408-37022-7	COUPLER,DRIVE,TRACK,PROTRAK V2,27" PIPE	2
	408-37022-6	COUPLER,DRIVE,TRACK,PROTRAK V2,24" PIPE	2
	408-37022-5	COUPLER,DRIVE,TRACK,PROTRAK V2,21" PIPE	2
	408-37022-4	COUPLER,DRIVE,TRACK,PROTRAK V2,18" PIPE	2
	301-15193	MSCR,SHCS,3/8-16X.75 SS	4
	867-24118	ASSY,SPACER,1.25"L,EXTENSION,8"CRAWLER/PTC	4
	318-14963	WASHER,LKG,.375,HELICAL ZINC	8
	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT	2
	867-33066	ASSY,RISER,CAMERA,3"L,CRAWLER 8"	2
	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"	4
	301-24105	MSCR,SHCS,3/8-16X1 SS	4



PROTRAK CRAWLER TRANSPORTER

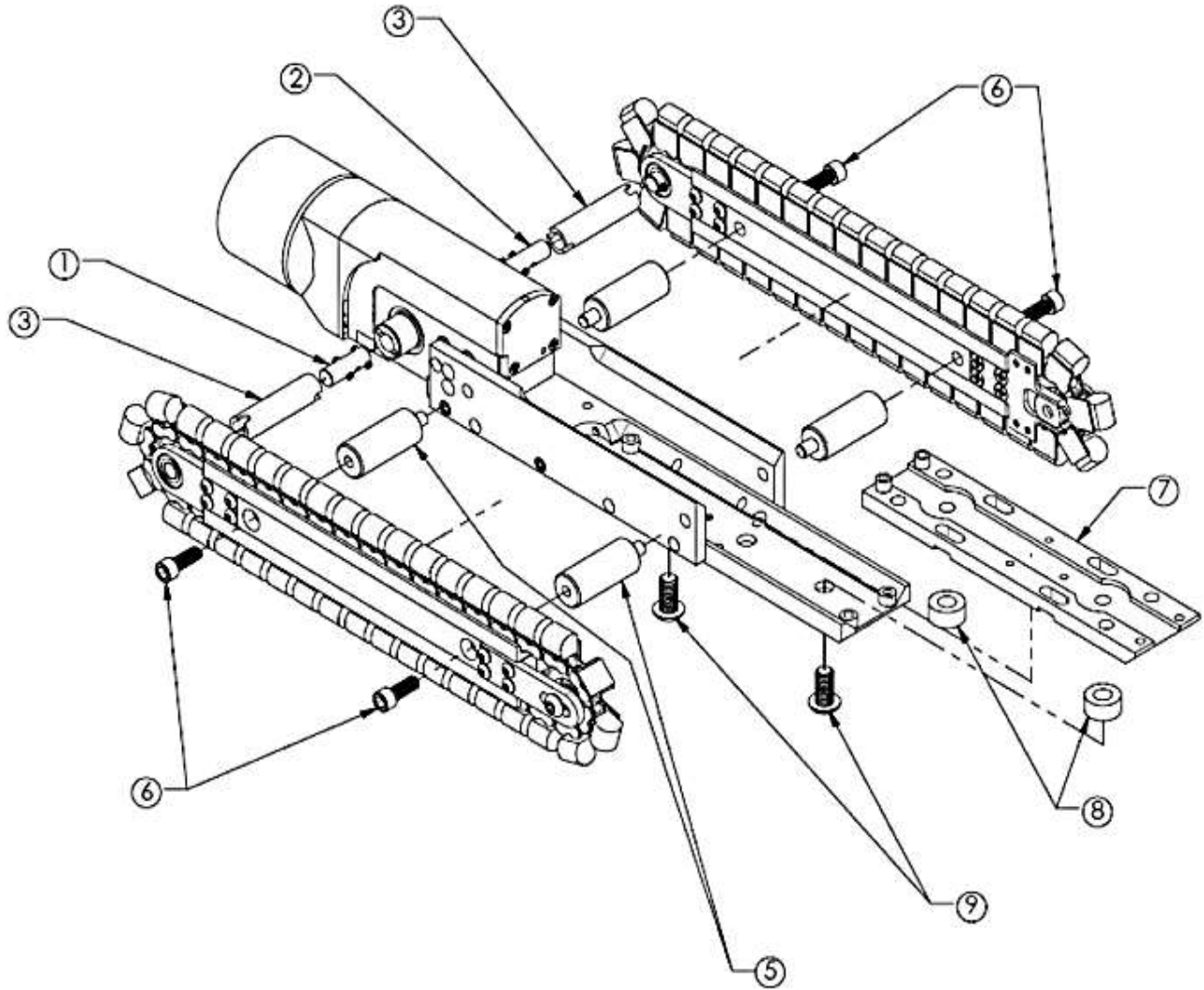
10" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-1	COUPLER,DRIVE,TRACK,PROTRAK V2,10" PIPE
4	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
5	301-24105	MSCR,SHCS,3/8-16X1 SS

PROTRAK CRAWLER TRANSPORTER

12" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-2	COUPLER,DRIVE,TRACK,PROTRAK V2,12" PIPE
5	867-24119	ASSY,SPACER,2.38"L,EXTENSION
6	301-24105	MSCR,SHCS,3/8-16X1 SS
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	403-10036	SPACER,RND,1/2" MSCR,1" OD X 1/2"L SS
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS

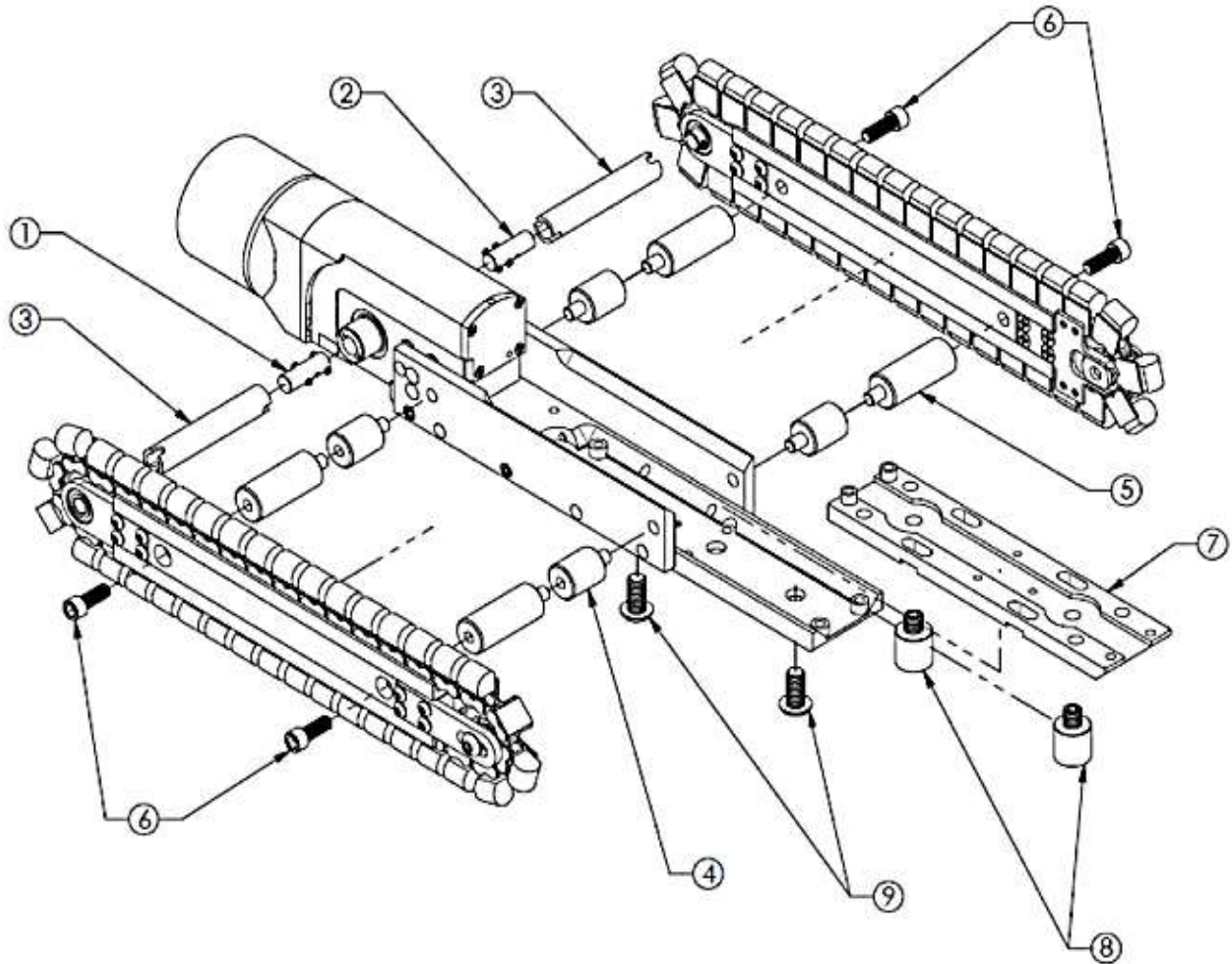
12" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=DA-VghLW8R0>



PROTRAK CRAWLER TRANSPORTER

15" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-3	COUPLER,DRIVE,TRACK,PROTRAK V2,15" PIPE
4	867-24119	ASSY,SPACER,2.38"L,EXTENSION
5	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
6	301-24105	MSCR,SHCS,3/8-16X1 SS
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS

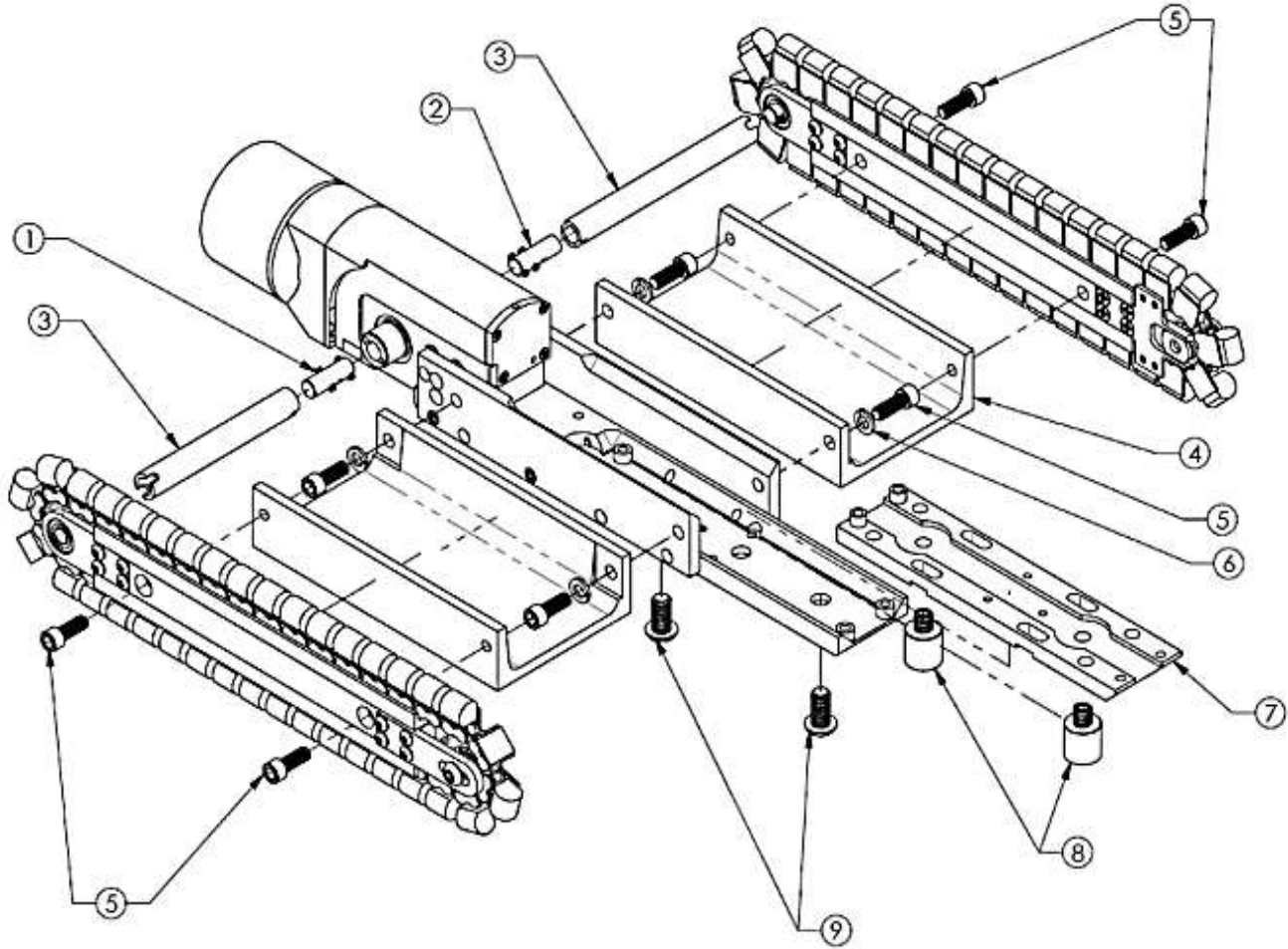
15" INSTALLATION VIDEO

https://www.youtube.com/watch?v=day_1pf-OcU



PROTRAK CRAWLER TRANSPORTER

18" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-4	COUPLER,DRIVE,TRACK,PROTRAK V2,18" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT
5	301-24105	MSCR,SHCS,3/8-16X1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS

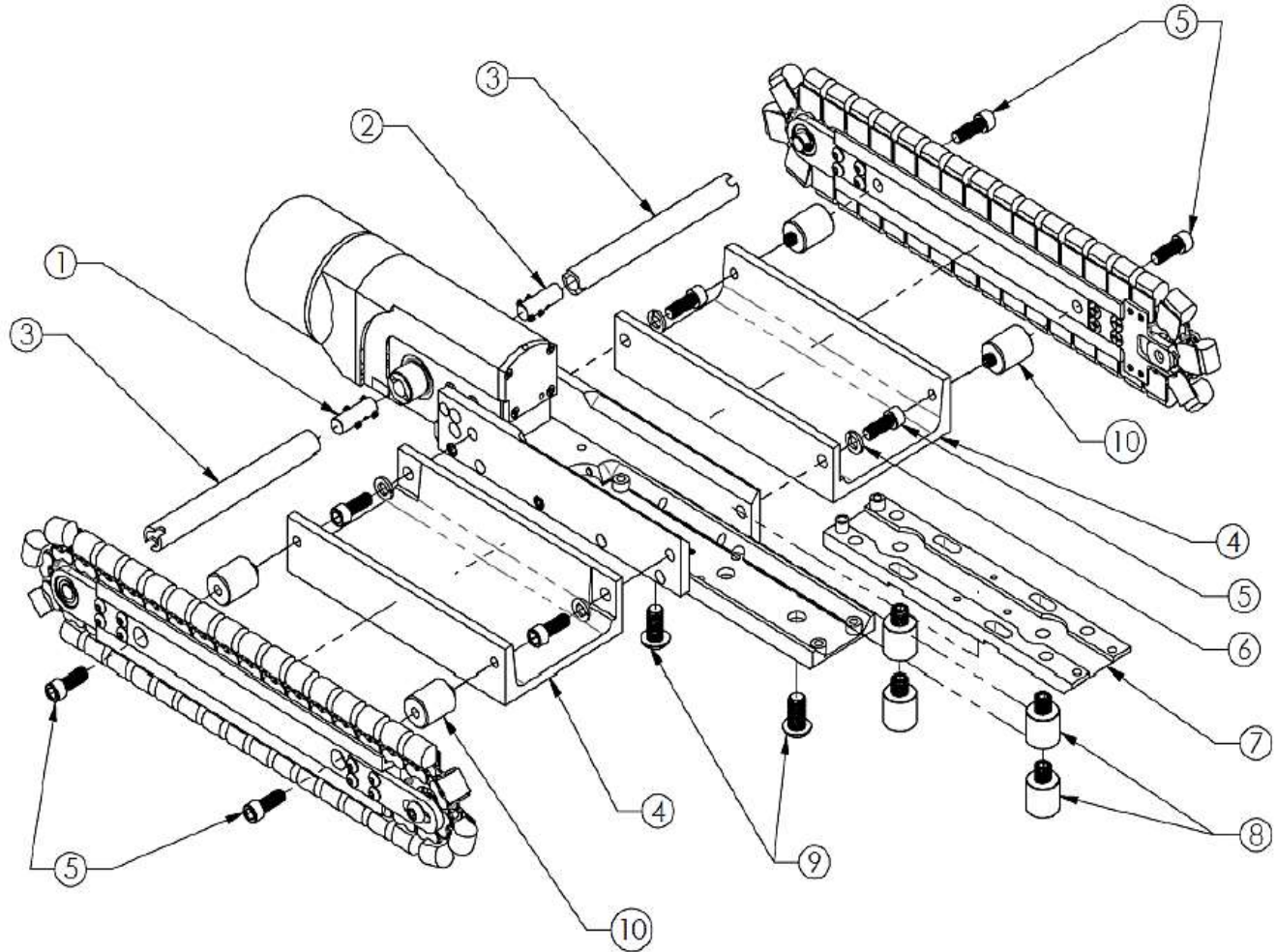
18" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=RB85AmVbSik>



PROTRAK CRAWLER TRANSPORTER

21" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-5	COUPLER,DRIVE,TRACK,PROTRAK V2,21" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT
5	301-24105	MSCR,SHCS,3/8-16X1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS
10	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS
10	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC

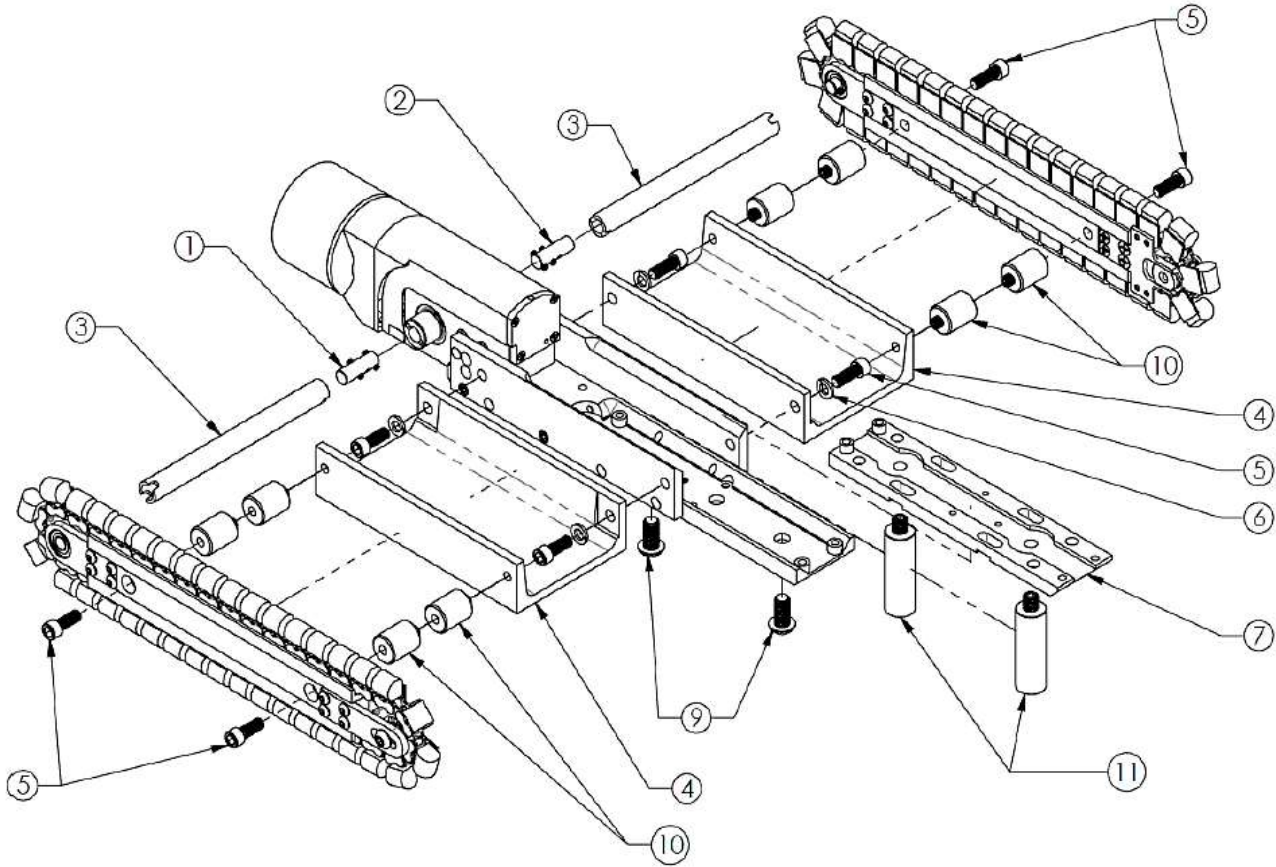
21" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=qmeTID2T0eg>



PROTRAK CRAWLER TRANSPORTER

24" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-6	COUPLER,DRIVE,TRACK,PROTRAK V2,24" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT
5	301-24105	MSCR,SHCS,3/8-16X1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS
10	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
11	867-33066	ASSY,RISER,CAMERA,3"L

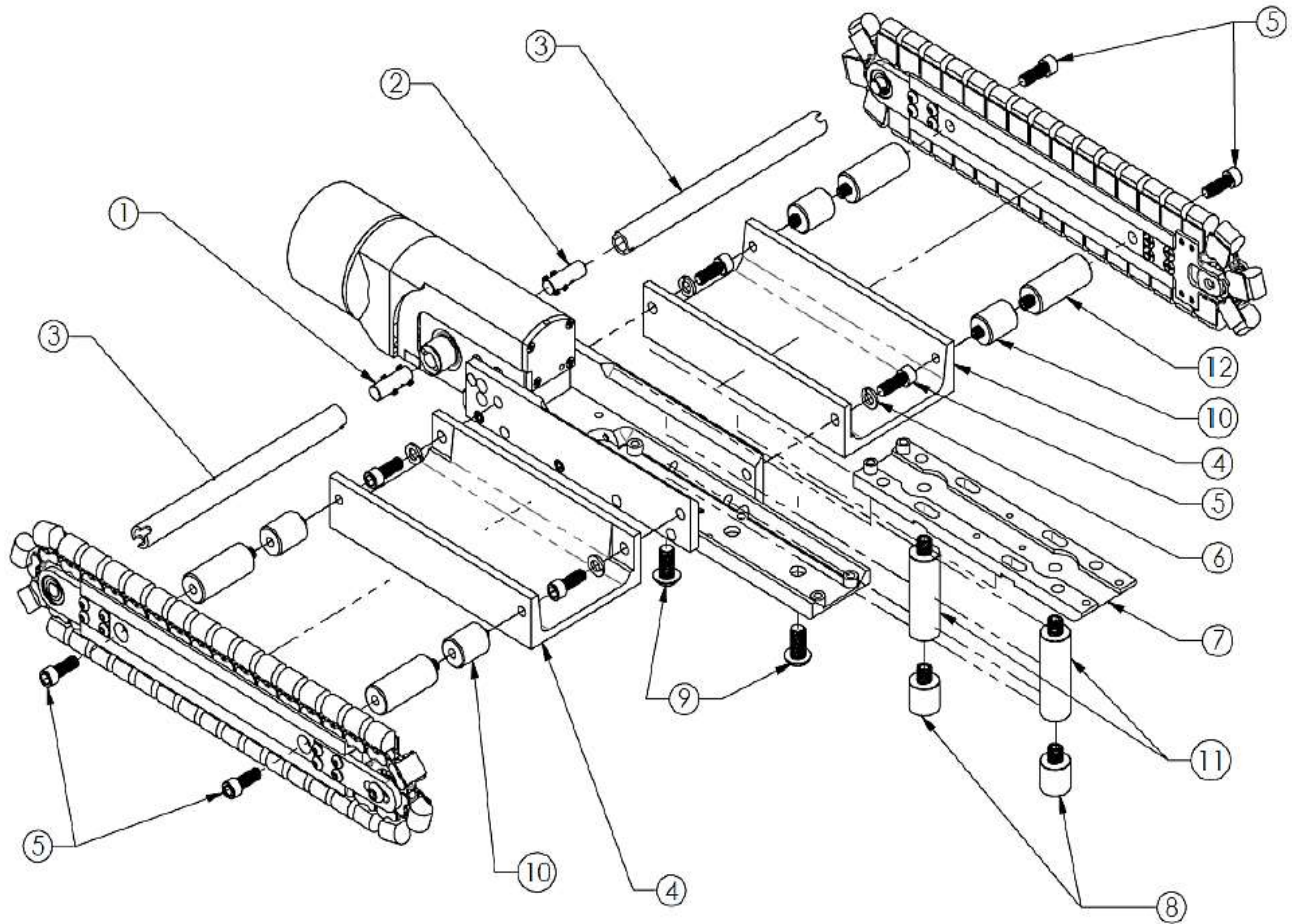
24" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=ZhHnVAKwLQY>



PROTRAK CRAWLER TRANSPORTER

27" CONFIGURATION



ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-7	COUPLER,DRIVE,TRACK,PROTRAK V2,27" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT
5	301-24105	MSCR,SHCS,3/8-16X1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS
10	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
11	867-33066	ASSY,RISER,CAMERA,3"L
12	867-24119	ASSY,SPACER,2.38"L,EXTENSION

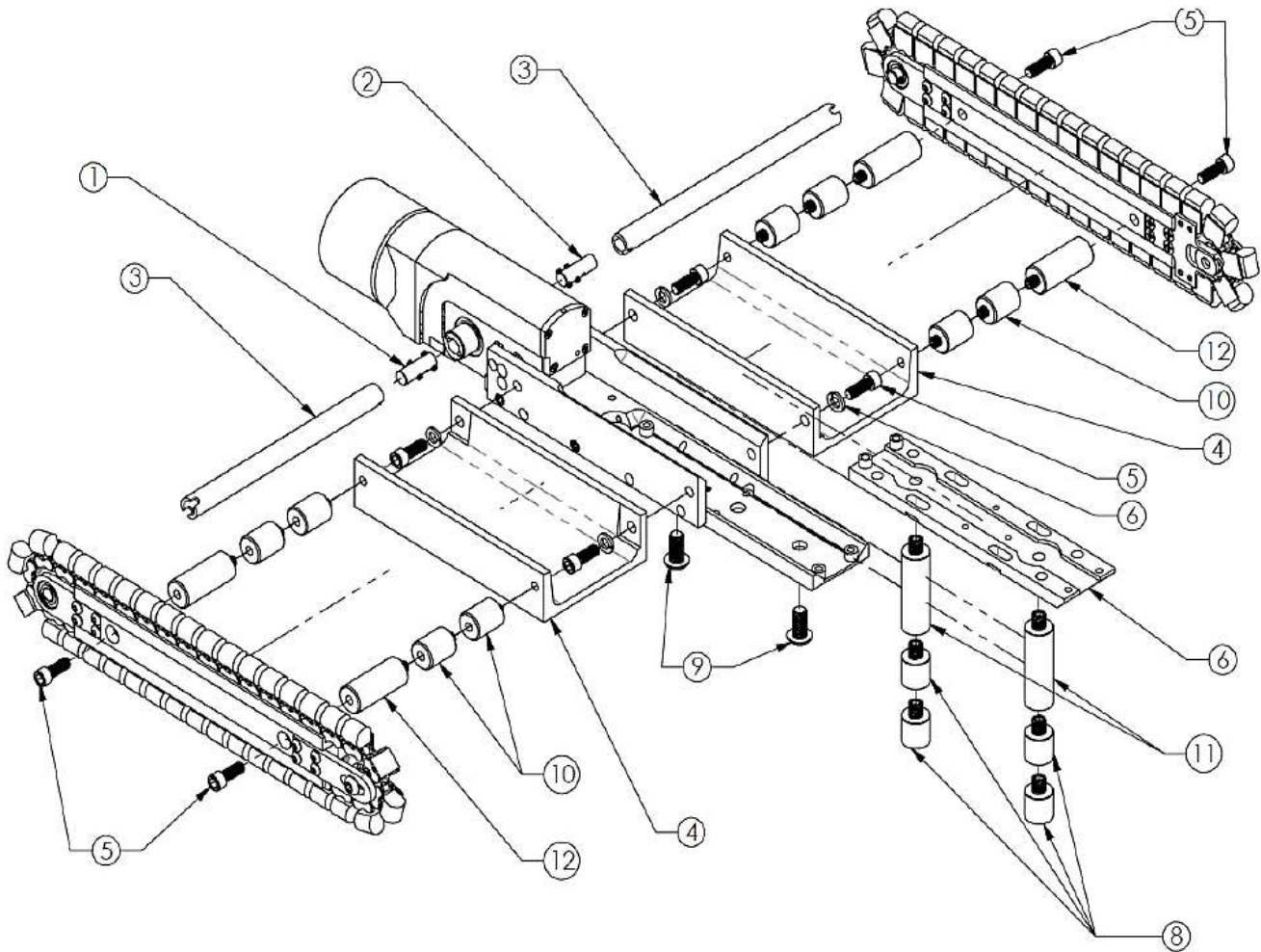
27" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=6xx8TP1wud8>



PROTRAK CRAWLER TRANSPORTER

30" CONFIGURATION



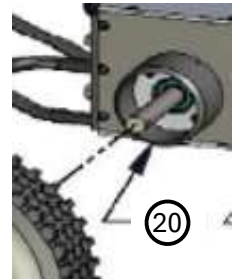
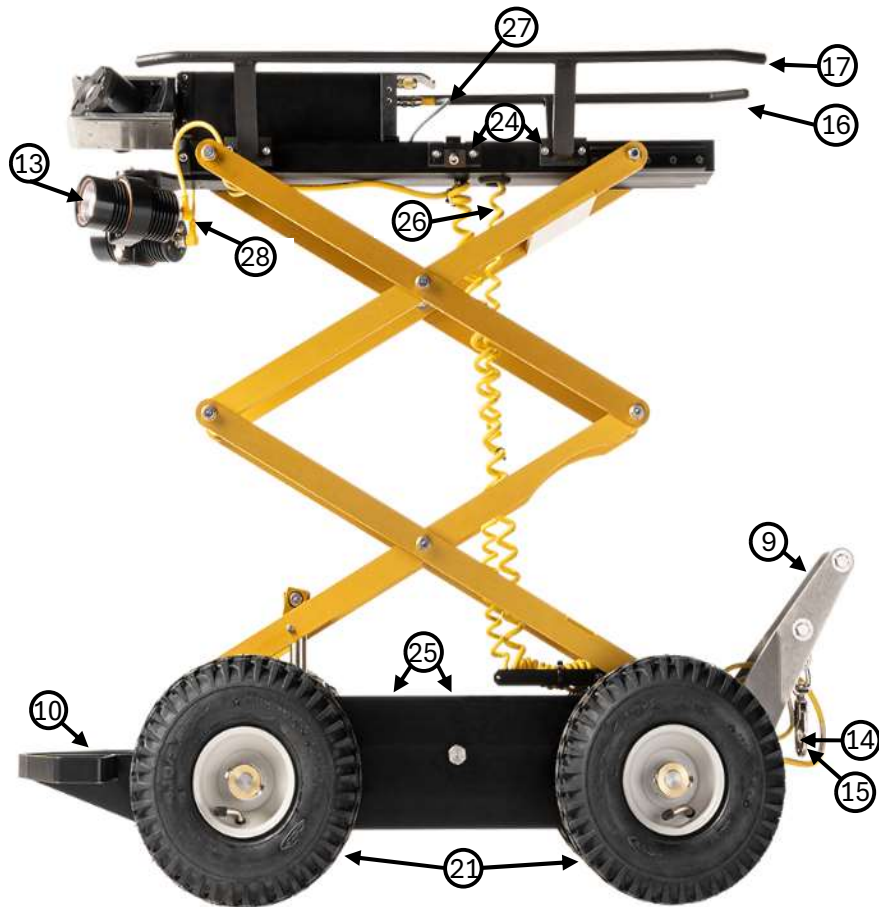
ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-8	COUPLER,DRIVE,TRACK,PROTRAK V2,30" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8" CRAWLER,18-30",ZN PLT
5	301-24105	MSCR,SHCS,3/8-16X1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7	867-31668	ASSY,PLATE MTG,CAMERA,PTC,8-15"
8	867-33067	ASSY,RISER,CAMERA,1"L,CRAWLER 8"
9	305-30505	SCREW,BUTTONHEAD,HEX,1/2-13X1,18-8 SS
10	867-24118	ASSY,SPACER,1.25"L,EXTENSION,PTC
11	867-33066	ASSY,RISER,CAMERA,3"L
12	867-24119	ASSY,SPACER,2.38"L,EXTENSION

30" INSTALLATION VIDEO

<https://www.youtube.com/watch?v=sxfBbtcwhJQ>



STORM DRAIN TRACTOR



ITEM #	PART #	DESCRIPTION
9	867-40516	LIFTING BRACKET ASSY
10	803-40184-31	FRONT BUMPER ASSY
	301-15193	MSCR,SHCS,3/8-16 X 0.75 SS (HARDWARE FOR ITEMS 9 & 10)
13	867-39692	LED LIGHT W/BLK HOUSING (OLD GOLD HALOGENS ARE OBSOLETE)
14	444-11901	QUICK LINK,1/4"
15	444-12255	HOOK,SNAP SWIVEL
16	807-17894-21	SKID,UPPER RIGHT
17	807-17895-21	SKID, UPPER LEFT
20	452-33069	GUARD,AXLE SEAL,SDT
21	867-17906	WHEEL ASSEMBLY 11" X 4",SDT WITH ADAPTER
21	860-34060	HI-TRACTION TIRES 13" X 5" X 6" ,R-1 DESIGN (EACH)
		NOTE: REQUIRES SPACER KIT BELOW, TO BE INSTALLED ON FRONT BUMPER
	840-35702	ASSEMBLY KIT,BUMPER SPACER FOR HI-TRACTION TIRES ABOVE.
24	301-10651	MSCR,SHCS,1/4-20X.50 SS (UPPER SKID HARDWARE)
25	301-13230	MSCR,FLT,PHH,10-32X.50,UNDERCUT SS (TOP PLATE TO MAIN BODY)
26	806-31535	CABLE,CAMERA POWER,COILDED, 6 PIN (WS) - 6PIN (RK)
27	806-39319	CABLE,ADAPATER CAMERA POWER, 4 SKT EURO TO 6 PIN MALE 12.5"
28	806-39653	CABLE,LED LIGHTS, Y CABLE

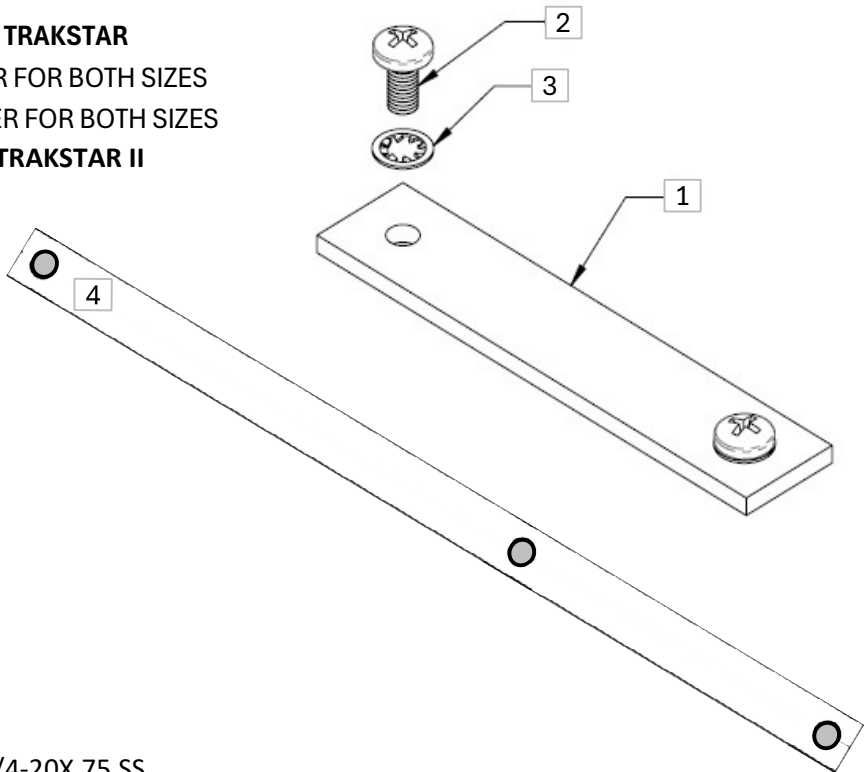
CAMERA MOUNTING PARTS ON FOLLOWING PAGE

STORM DRAIN TRACTOR

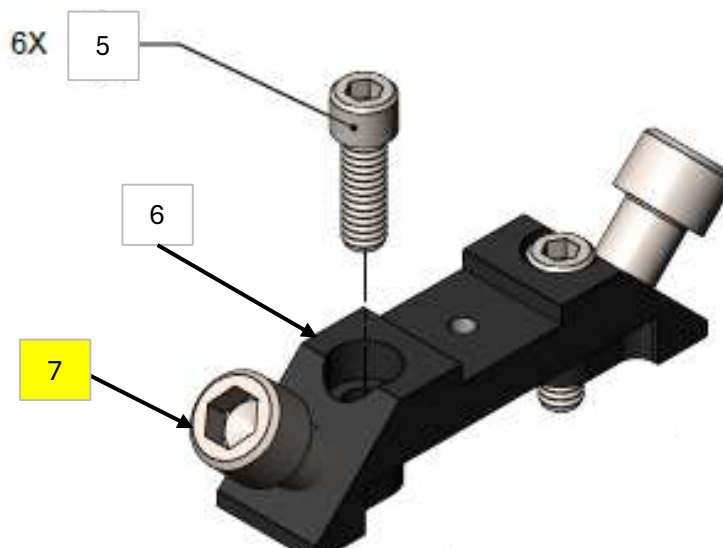
CAMERA MOUNTING PARTS

NEW KIT WILL INCLUDE ALL PARTS NEEDED (TBD)

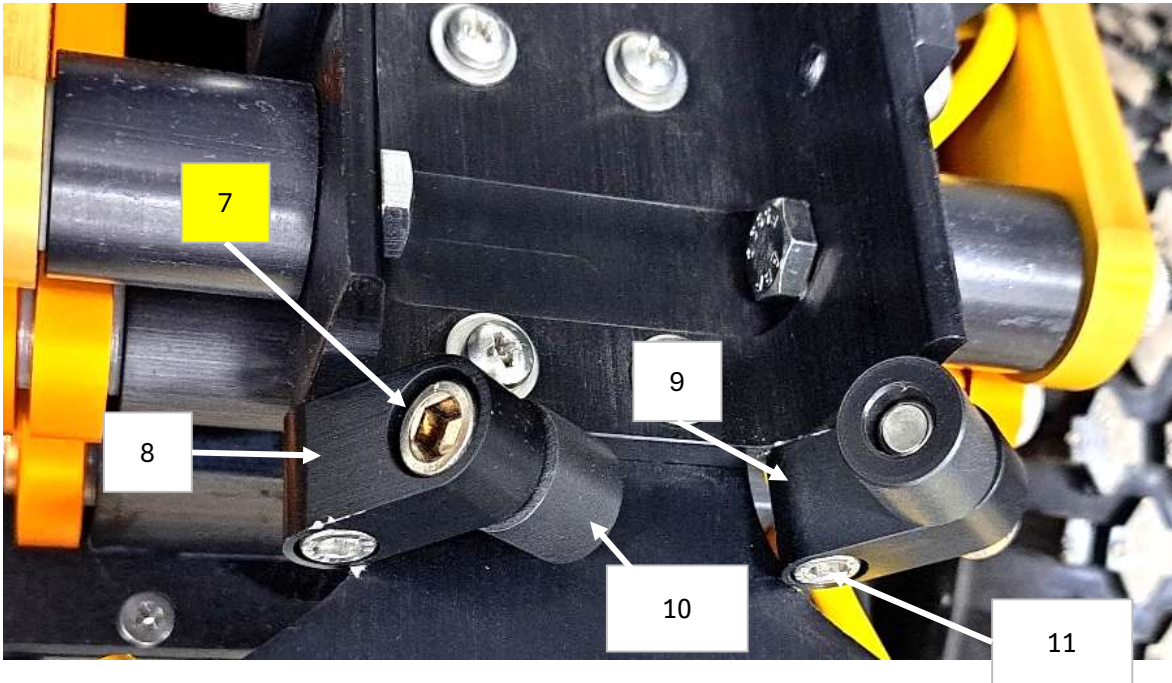
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	451-20293	SHORT STRUT TRAKSTAR
2	301-14029	STRUT HRDWR FOR BOTH SIZES
3	318-14788	STRUT WASHER FOR BOTH SIZES
4	451-39317	LONG STRUT TRAKSTAR II



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
5	301-10887	MSCR,SHCS,1/4-20X.75 SS
6	451-20619-21	BRACKET,MTG,TRAKSTAR CAMERA
7	INCLUDED ON SDT IN A THREADED SPACER AND STAYS ON SDT, REFER TO FOLLOWING PAGE	
	806-39319	CABLE ADAPTOR, CAMERA POWER, 4 SKT EURO TO 6 PIN MALE 12.5" (PHOTO ON PG 102)

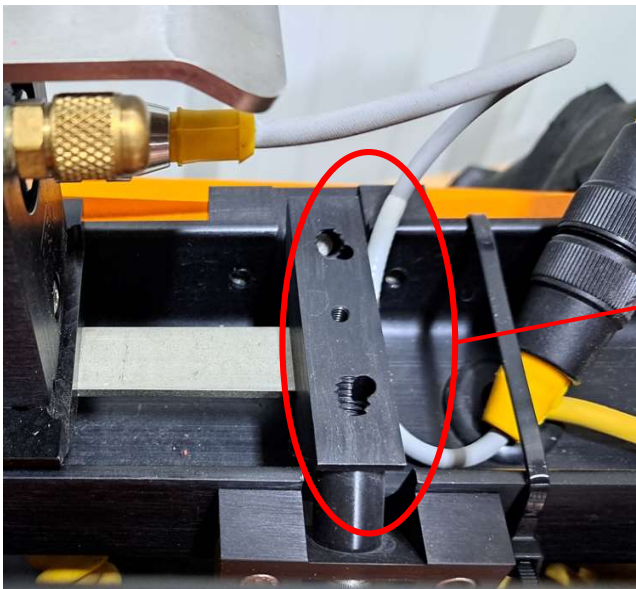


STORM DRAIN TRACTOR CAMERA MOUNTING PARTS



FRONT CAMERA MOUNT

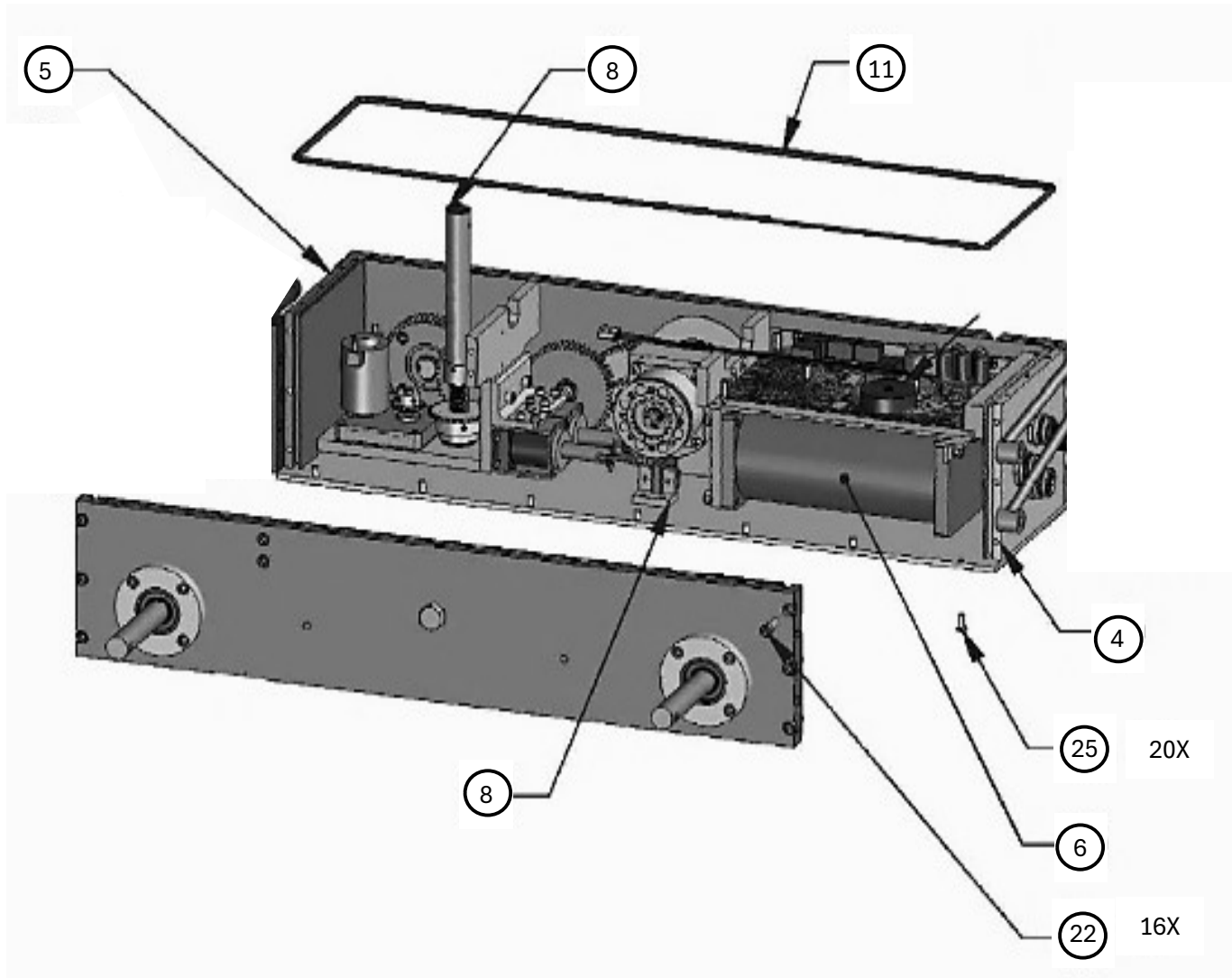
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
7	305-21757	HARDWARE FOR 10 (FRONT CAMERA MOUNT)
8	451-13070-21	RIGHT
9	451-10549-21	LEFT
10	403-11778	SPACER, FRONT CAMERA MOUNT
11	301-10769	HARDWARE FOR 8 & 9



REAR CAMERA MOUNT

12	403-11837	SPACER, REAR CAMERA MOUNT
13	305-21758	HARDWARE FOR 12 (REAR CAMERA MOUNT)

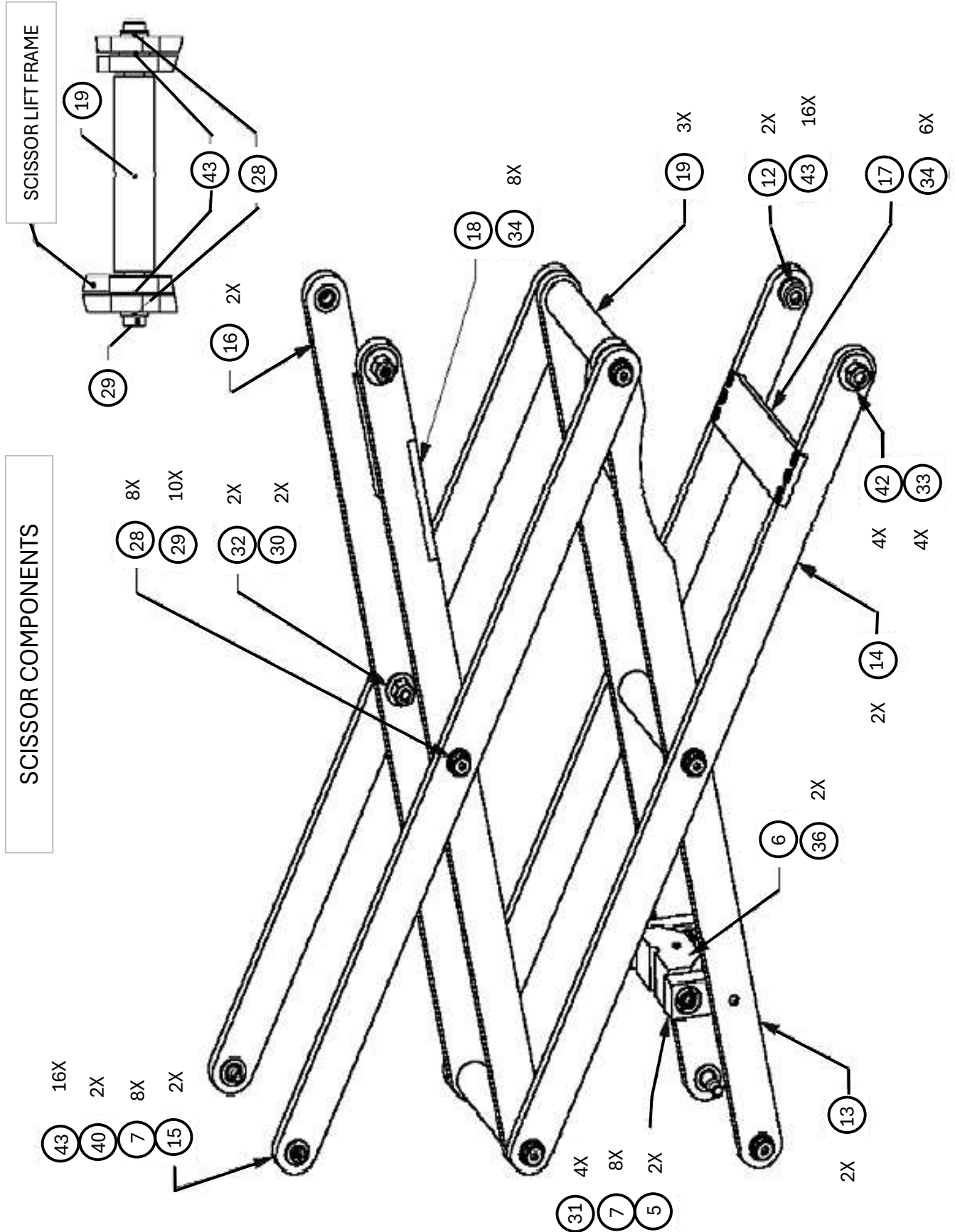
STORM DRAIN TRACTOR



ITEM #	PART #	DESCRIPTION
4	801-31534	REAR PLATE ASSY
5	453-19435-21	FRONT PLATE ASSY, W/O LIGHTS
6	805-12875	CLUTCH/MOTOR ASSY
8	805-33946	ELEVATOR MOTOR/GEARBOX ASSY, BRAKE SOLENOIDS
11	439-13523	O-RING MATERIAL, BUNA, .187 DIA, PER INCH (ORDER 140" TOTAL)
25	301-13230	MSCR, FLT, PHH, 10-32X.50 UNDERCUT SS

STORM DRAIN TRACTOR

SCISSOR COMPONENTS



STORM DRAIN TRACTOR

SCISSOR COMPONENTS

ITEM #	PART #	DESCRIPTION
5	444-11547-21	LINK,ELEVATOR CLEVIS PIVOT
6	451-15386-21	BLOCK,CLEVIS,ELEVATOR
7	405-10304	BUSHING,FLANGE,.377 ID X .502 OD X .50L (.68 OD X 3/32 FLG),BRONZE
12	443-13941	TRACK ROLLER,3/4" OD ROLLER,3/8-24X7/8" STUD
13	445-12777-21	ARM, <u>FIRST LIFTING</u>
14	445-12835-21	ARM, <u>FIRST FLOATING</u>
15	445-13009-21	ARM, <u>SECOND LIFTING</u>
16	445-12719-21	ARM, <u>SECOND FLOATING</u>
17	445-15504-21	CROSS BRACE, <u>FIRST FLOATING ARM</u>
18	445-15445-21	CROSS BRACE, <u>SECOND FLOATING ARM</u>
19	445-10431-21	CROSS BRACE, <u>ARM PIVOT</u>
28	405-12606	BUSHING,FLANGE,.377 ID X .502 OD X 1L BRONZE
29	305-13719	BOLT,SHLDR,SKT HD,5/16-18,3/8X1 SS
30	309-13803	NUT,HEX,3/8-16,NYLOCK SS
31	301-11772	MSCR,SHCS,5/16-18X.75 SS
32	316-11953	WASHER,FLT,.312 SS
33	309-14033	NUT,HEX,3/8-24,NYLOCK SS
34	301-14610	MSCR,FLT,PHH,10-32X.50 SS
36	304-18176	SSCR,HALF DOG PT,HXS,1/4-20X.38 SS
40	305-14582	BOLT,SHLDR,SKT HD,5/16-18,3/8X.062 NYLON
42	317-20000	WASHER,FLT,.380"X1.005" X .062 NYLON
43	317-10065	WASHER,FLT,.503X.756X.062 NYLON

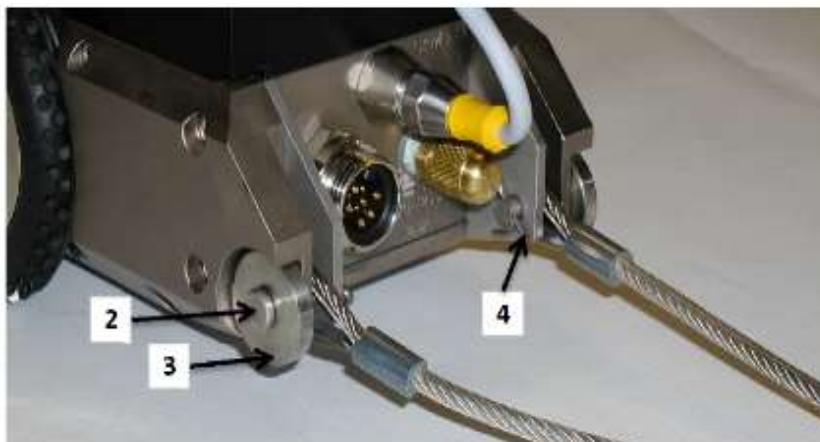
TRANSTAR TRANSPORTER



PHOTO WITH TRAKSTAR CAMERA



ITEM #	PART #	DESCRIPTION
	450-39321	TOP SKID, TRANSTAR
2	400-10833	CLEVIS PIN,.25" DIA X 47/64" USABLE L (BRIDLE MOUNTING)
3	443-36876	WHEEL SKATES
4	400-10774	COTTER PIN, .094" DIA X .50" 316 SS (BRIDLE MOUNTING)
5	867-37642	TOW BRIDLE
	403-34620	SPACER, TOP SKID RAIL AT BACK END
	301-10651	MSCR,SHCS,1/4-20X.50 SS (MOUNTS BALLAST PLATE TO BASE PLATE)
	301-10887	MSCR,SHCS,1/4-20X.75 SS (MOUNTS CAMERA TO BASE PLATE)
	301-11360	MSCR,FLT HXS,1/4-20X1.25 SS (MOUNTS CAMERA TO MOUNTING PLATE)
	301-12650	MSCR,FLT,HXS,1/2-13X.75 (MOUNTS CAMERA MOUNTING PLATE TO BASE PLATE)
	301-13742	HARDWARE FOR RAIL
	305-30661	MSCR,BUTTON,HXS,1/4-20X.50 SS
	806-34469-13	CABLE,6 SKT TO 4 PIN 13" LONG (OLD STYLE TRANSTAR) (PHOTO ON PG 101)
	806-34469-16	CABLE,6 SKT TO 4 PIN,M/F USE WITH ELEVATOR 16" LONG (FOR NON TILT UP CONN.)
	806-38138	CABLE, 4 SKT TO 4 PIN M/F (EURO) 13.5" LONG



SHOWN WITH TILT UP
CONNECTOR AND
BACKUP CAMERA



TRANSTAR TRANSPORTER

ACCESSORIES KIT (WITH ELEVATOR)

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-37252-1	COMPLETE KIT FOR UNITS <u>WITH ELEVATOR</u>
	840-34854	EXTENSION KIT (PARTS BREAKDOWN ON NEXT PAGE)
3	602-41143	EXTENSION,AIR VALVE,1.25" LONG
	301-10651	MSCR,SHCS,1/4-20X.50 SS
	301-14783	MSCR,FLT,PHH,1/4-20X.50 SS
	301-15608	MSCR,SHCS,1/4-20X.87 SS
	301-34849	MSCR,HEXHD,1/4-20X2.25 SS
	301-34851	MSCR,HEXHD,1/4-20X1.75 SS
	301-34852	MSCR,HEXHD,1/4-20X3.50, ZPS
	301-35286	MSCR,HEXHD,1/4-20-2.50 SS
	301-35287	MSCR,HEXHD,1/4X3.25 SS
	301-35288	MSCR,HEXHD,1/4X4.00 SS
	301-36102	MSCR, HEXHD,1/4-20X4.25" SS
	301-39394	MSCR,HEXHD,1/4-20X1.625,18-8 SS
	305-38792	MSCR,BTNHD,HXS,1/4-20X.875,18-8 SS
	305-39774	MSCR,BUTHD,HXS,1/4-20X.75, SS, LONG LOCK
	318-15671	WASHER,LKG,.25,HELICAL SS
	400-34848	PIN,DOWEL, .125"DIAX.375"L 18-8 SS
4	450-39017	SKID,PLATE,BASE,TRANSTAR V2
	557-39120	CAP,PROTECTIVE,THREADED,MALE,PICOFAST
	634-10642	ALLEN WRENCH, 3/16 LONG ARM
	634-11114	ALLEN WRENCH, 5/32 LONG ARM
	867-34846	SPACERS, CAMERA MOUNT - SOLD SEPARATELY
	963-38193	INFORMATION SHEET, EXTENSION APPLICATION GUIDE (ILLUSTRATED ON PG 70)



867-39354
ASSY,AIR VALVE TO 1/4"
(NOT INCLUDED IN KIT)

TRANSTAR TRANSPORTER

EXTENSION KIT



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-34854	EXTENSION KIT (INCLUDES ALL ITEMS BELOW)
6	867-34846	1" SPACER
10	318-15671	WASHER, LOCK, 0.25" SS
11	301-39394	MSCR,HEXHD,1/4-20 X 1.625,18-8 SS
12	301-34851	MSCR, HEXHD, 1/4-20 X 1.75 SS
13	301-34849	MSCR, HEXHD, 1/4-20 X 2.25 SS
14	301-35286	MSCR, HEXHD, 1/4-20 X 2.50 SS
15	301-35287	MSCR, HEXHD, 1/4-20 X 3.25 SS
16	301-34852	MSCR, HEXHD, 1/4-20 X 3.50 SS
17	301-35288	MSCR, HEXHD, 1/4-20 X 4.00 SS
	301-36102	MSCR, HEXHD, 1/4-20 X 4.25 SS (NOT SHOWN)
	701-20910	UTILITY BOX, PLASTIC (NOT SHOWN)
	400-34848	DOWEL PIN FOR ITEM #6
	305-39774	NYLON LOCK STRIP, BUTTON, 1/4-20 X 0.75 SS (SOLD SEPARATELY)
	867-38611	0.25" SPACER <u>(SOLD SEPARATELY)</u>
	840-38613	0.25" SPACER KIT, NCLUDES QTY 8, <u>(SOLD SEPARATELY)</u>
	963-38193	EXTENSION APPLICATION GUIDE (PAGE 70)

TRANSTAR TRANSPORTER

EXTENSION GUIDE

963-38193 LAMINATED AVAILABLE TO ORDER!

TRANSTAR / TRANSTAR II / LAT LAUNCH GEN2 EXTENSION GUIDE					
TRANSTAR KIT = 840-34854 TRANSTAR II KIT = 840-37885 LAT LAUNCH GEN2 KIT = 840-39502		1" SPACER = 867-34846			
Pipe Size		0.25" SPACER = 867-38611	10"	12"	15"
Tire Type		8"	10"	12"	18-30"
Standard Knobby 867-37180	NO SPACER A - B - C (LEGEND ON REVERSE SIDE)	1" SPACER 1.75" BOLT	N/A	N/A	N/A
Hi-Trac 867-34822	N/A	NO SPACER 1.62" BOLT	1" SPACER 2.5" BOLT	N/A	N/A
Knobby Balloon 867-34843	N/A	N/A	N/A	NO SPACER 2.25" BOLT	1" SPACER 3.25" BOLT
6" PNEUMATIC 860-37376	N/A	N/A	N/A	NO SPACER 2.5" BOLT	1" SPACER 3.50" BOLT
8" PNEUMATIC 867-37377 N/A FOR TRANSTAR II	N/A	N/A	N/A	N/A	NO SPACER 3.25" BOLT USE WITH PLANETARY GEARS ONLY!

1.62" = 301-39394	2.5" = 301-35286	4.00" = 301-35288
1.75" = 301-34851	3.25" = 301-35287	4.25" = 301-36102
2.25" = 301-34849	3.50" = 301-34852	CALL 800.846.2713

MEGATRAK EXTENSION GUIDE

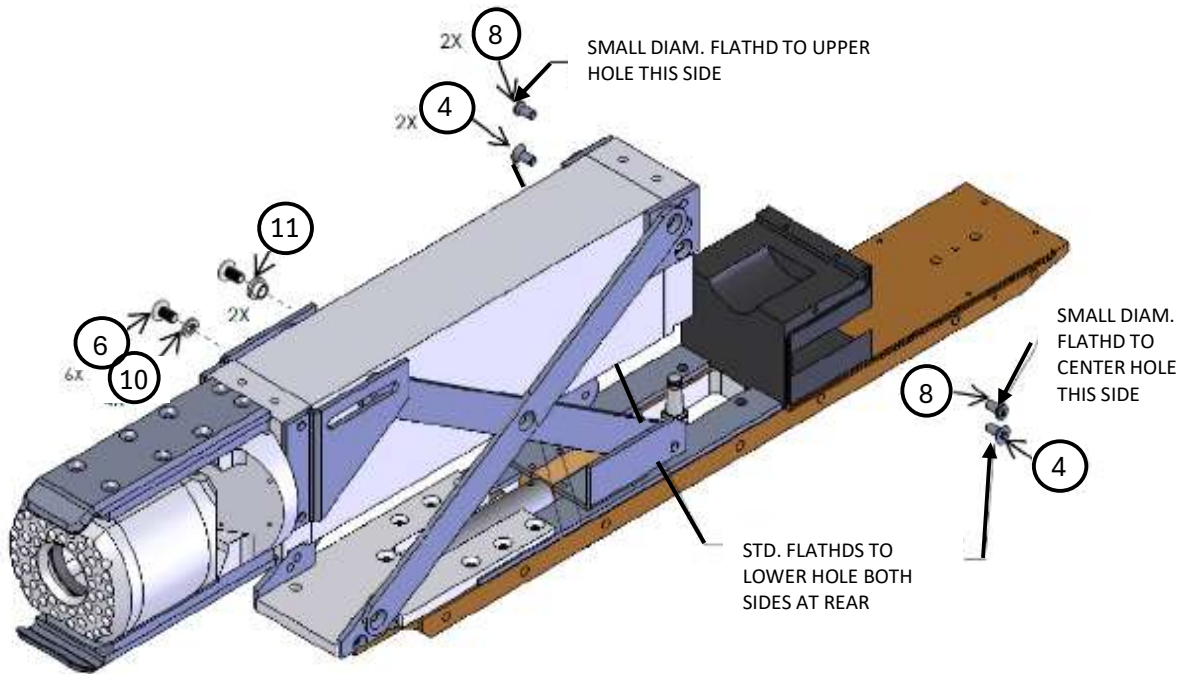
Wheel Size	Lined 6"	6"	8"	10"	12"
2.7" PART NUMBER 443-35678-23	NO SPACER A - B - C	N/A	N/A	N/A	N/A
3.3" PART NUMBER 443-35679-23	NO SPACER A - B - C	NO SPACER A - B - C	1" SPACER 1.75" BOLT B - C	N/A	N/A
4.4" PART NUMBER 443-35680-23	N/A	N/A	0.25" SPACER (X2) 1.25" BOLT B - C	1" SPACER 1.75" BOLT B - C	N/A

A = 1/4-20 X 3/4 BUTTON HD
SCREW 305-39774

B = 1/4" FLAT WASHER
316-11245

C = 1/4" SPLIT LOCK WASHER
318-15671

TRANSTAR TRANSPORTER ELEVATOR



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-40434	KIT, CAMERA TO ELEVATOR HARDWARE
11	318-37726	WASHER,SHLDR,#10X.125LX.254 OD SHLDR X .38 OD,NYLON
6	301-14087	MSCR,PAN,PHH,10-32X.31 SS
10	318-18587	WASHER,LKG,#10,HELICAL SS
8	301-38441	MSCR,MTG,CAMERA,CAMERA LIFT (FLT, PHH, 10-32 x 0.25")
4	301-13172	MSCR,FLT,PHH,10-32X.37,UNDERCUT SS

IMPORTANT HARDWARE REMOVAL INFORMATION ON THE FOLLOWING PAGE

CAMERA INSTALLATION VIDEO

<https://www.youtube.com/watch?v=qV6Ghp4zGyI>

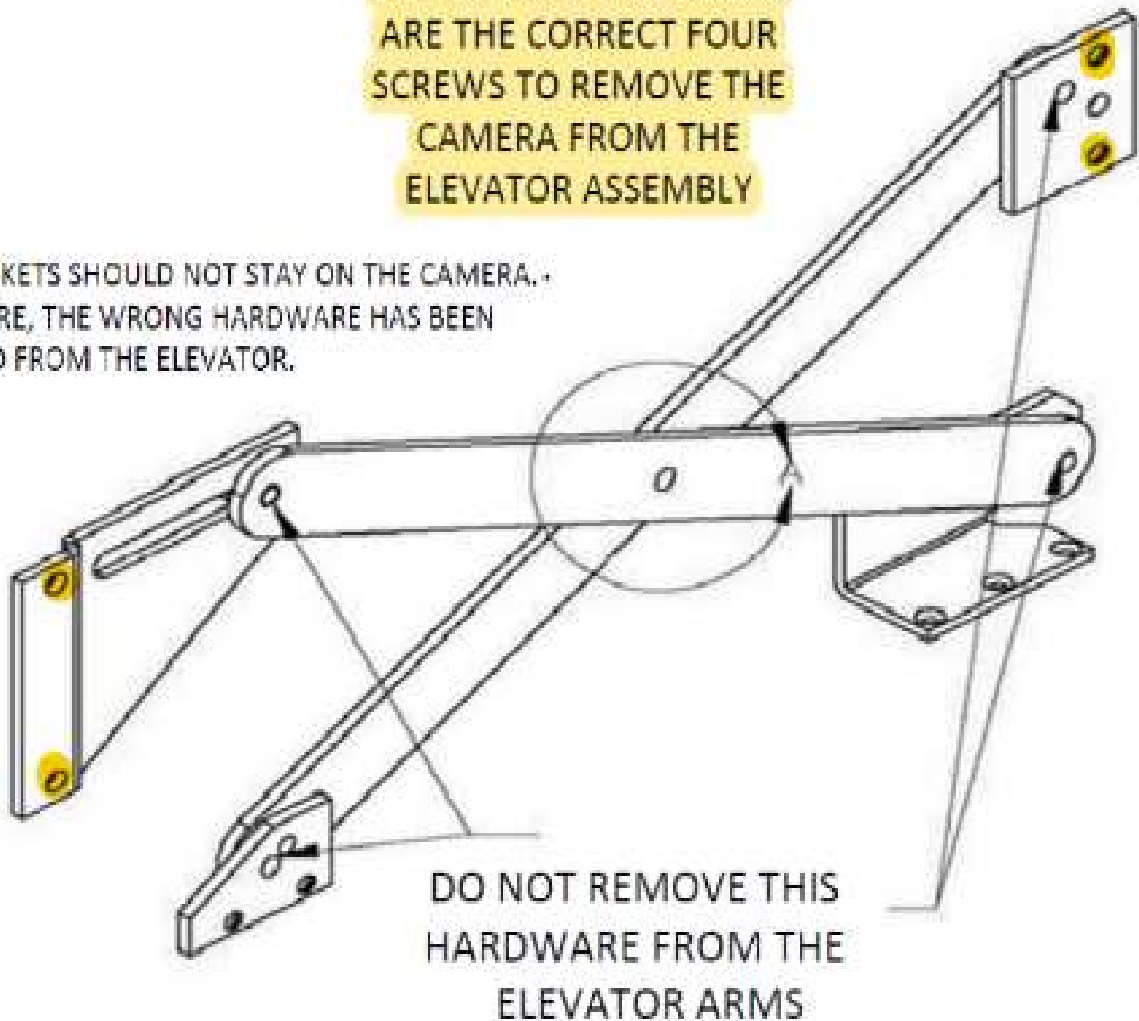


TRANSTAR TRANSPORTER

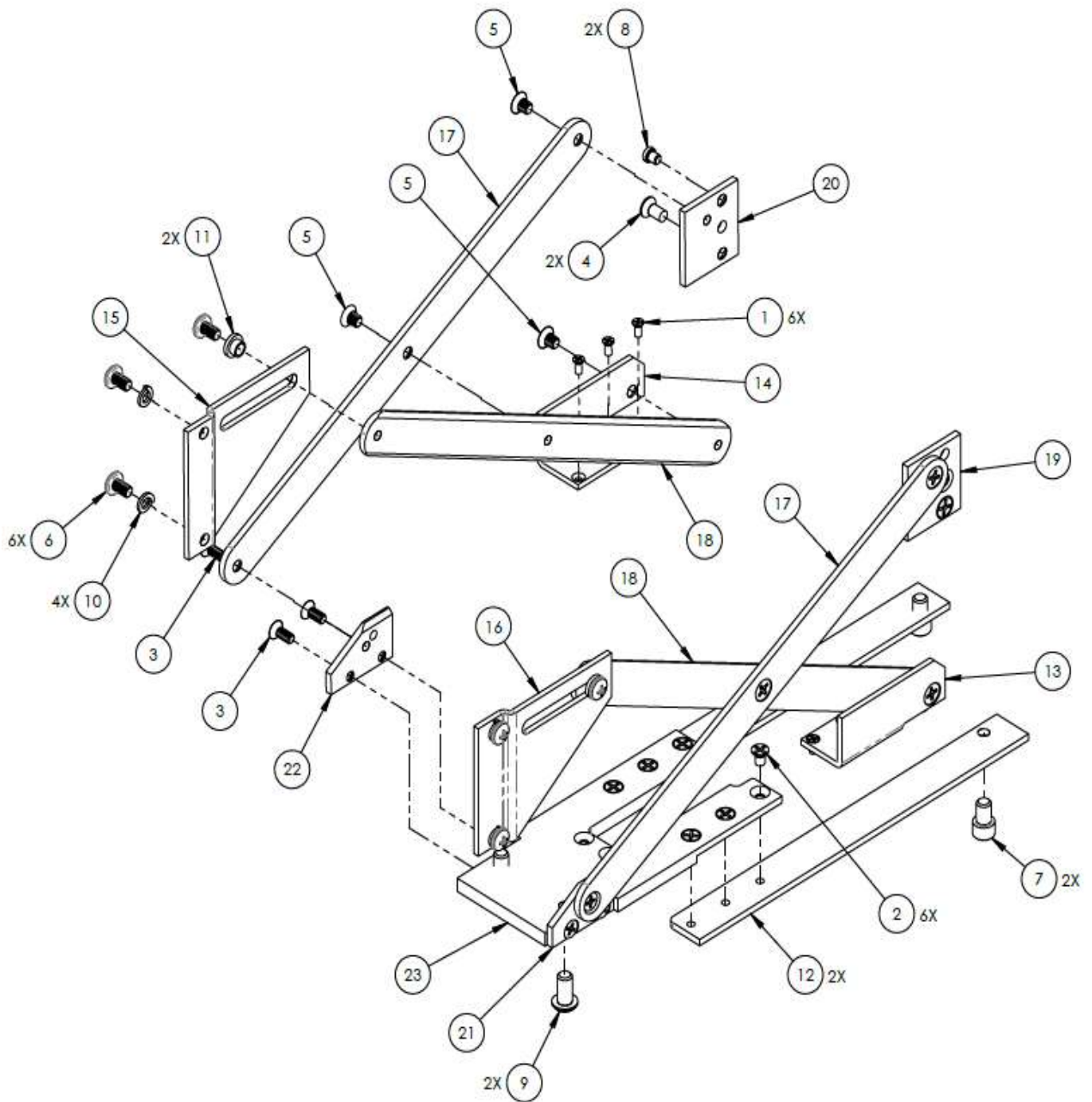
SPECIFIC ELEVATOR HARDWARE INFORMATION

THE HIGHLIGHTED AREAS
ARE THE CORRECT FOUR
SCREWS TO REMOVE THE
CAMERA FROM THE
ELEVATOR ASSEMBLY

THE BRACKETS SHOULD NOT STAY ON THE CAMERA. •
IF THEY ARE, THE WRONG HARDWARE HAS BEEN
REMOVED FROM THE ELEVATOR.



TRANSTAR TRANSPORTER ELEVATOR



PART NUMBERS ON THE FOLLOWING PAGE

TRANSTAR TRANSPORTER

ELEVATOR

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	800-42081	ASSY, REPLACEMENT FRAME, ELEVATOR
23	453-39807-21	PLATE,BASE,ELEVATOR,MOTL
12	451-37547-40	RAIL,SLIDE,ELEVATOR,FINAL MACHINE ASSY,ACTUATOR
13	451-37681-40	BRKT,SLIDER,LEFT
14	451-37682-40	BRKT,SLIDER,RIGHT
18	453-37916	PLATE,ARM,INNER
17	453-37915	PLATE,ARM,OUTER
19	453-37917	PLATE,REAR,UPPER,LEFT
20	453-37918	PLATE,REAR,UPPER,RIGHT
21	453-37919	PLATE,FRONT,LOWER,LEFT
22	453-37920	PLATE,FRONT,LOWER,RIGHT
16	453-37683	PLATE,MTG,FRONT,LEFT,CAMERA
15	453-37542	PLATE,MTG,FRONT,RIGHT,CAMERA
5	301-13742	MSCR,FLT,PHH,10-32X.25,UNDERCUT SS
2	301-12475	MSCR,FLT,PHH,8-32X.25,UNDERCUT SS
3	301-12707	MSCR,FLT,PHH,8-32X.37 SS
1	301-10532	MSCR,FLT,PHH,4-40X.25 SS
7	301-20607	MSCR,SHCS,1/4-20 X .375"L, SS
9	305-30661	MSCR,BUTTON,HXS,1/4-20 X .50 SS
50	867-44016	ACTUATOR ASSEMBLY, TRANSTAR
51	557-37650	CABLE 4 PIN TO 4 PIN M/F
52	304-12010	SSCR,CUP,PT 8-32X.37



TRANSTAR TRANSPORTER

TIRES & WHEELS



ELEVATION WITH SEVERAL TIRE OPTIONS AVAILABLE
ITEM NUMBERS APPLY TO TIRES & WHEELS ON THE FOLLOWING THREE PAGES

STANDARD KNOBBY ASSEMBLY



ITEM #	PART #	DESCRIPTION
1	867-37180	ASSY,WHEEL,KNOBBY TIRE
	867-37241	ASSY,WHEEL,KNOBBY TIRE,STUDDED
	443-34632-23	WHEEL, NI PLATED
	305-39774	HARDWARE, NYLON LOCK STRIP
	400-34848	PINS (AXLE)



3.5" KNOBBY TIRE REPLACEMENTS (TIRE ONLY)

443-15559	TIRE, STUDDED KNOBBY
443-15618	TIRE,KNOBBY



TRANSTAR TRANSPORTER

TIRES & WHEELS

HI-TRACTION

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2	867-34822	8"-18"
	867-37242	STUDDED,8"-18"

2



BALLOON KNOBBY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	867-34843	ASSY, KNOBBY

3



TRANSTAR TRANSPORTER

PNEUMATIC & PLANETARY

TRANSTAR ONLY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	860-37376	ASSY,PNEUMATIC, <u>6"X2"</u>
5	860-37377	ASSY,PNEUMATIC, <u>8"X2"</u>
	860-40849	ASSY,PNEUMATIC, <u>6"X2"</u> , <u>PLANETARY</u>
	860-40850	ASSY,PNEUMATIC, <u>8"X2"</u> , <u>PLANETARY</u>

5

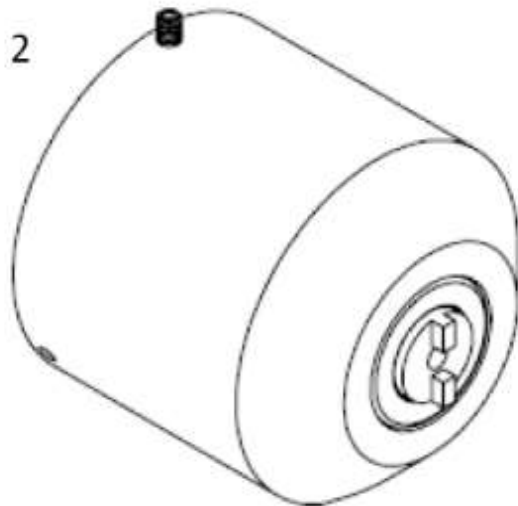


<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	840-40830	KIT,EXTENSION W/GEAR REDUCTION (ALL ITEMS BELOW)	KIT
	301-11064	MSCR,FLT,HXS,1/4-20X.62 SS	8
	301-11183	MSCR,FLT,HXS,1/4-20X.75 SS	4
1	451-40136	BRACE,PLANETARY EXTENSION	2
2	867-40135	ASSY,EXTENSION,PLANETARY,TRANSTAR	4

1



2



PLANETARY INSTALLATION VIDEO

<https://www.youtube.com/watch?v=n0ggIYl4-vs&t=2s>



NOTES SECTION

TRANSTAR TRANSPORTER

MEGATRAKS

MEGATRAK KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-35686	KIT (ITEMS IN PHOTO)
	305-39774	MSCR,BUTTON,HXS,1/4-20 X .75 SS,NYLON LOCK STRIP
	316-11245	WASHER, FLAT 0.25 SAE SS
	318-15671	WASHER, LKG 0.25 SS



WHEEL HUB ASSEMBLY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	860-36000	HUB ASSEMBLY WITH MEGATRAK,2.70"
	860-36001	HUB ASSEMBLY WITH MEGATRAK,3.30"
	860-36002	HUB ASSEMBLY WITH MEGATRAK,4.40"



TRANSTAR TRANSPORTER

MEGATRAKS

WHEEL ONLY

<u>SIZE</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2.70"	443-35678-23	WHEEL,MEGATRAK,2.70" OD,NI PLATE
3.30"	443-35679-23	WHEEL,MEGATRAK,3.30" OD,NI PLATE
4.40"	443-35680-23	WHEEL,MEGATRAK,4.40" OD,NI PLATE



HUB ONLY

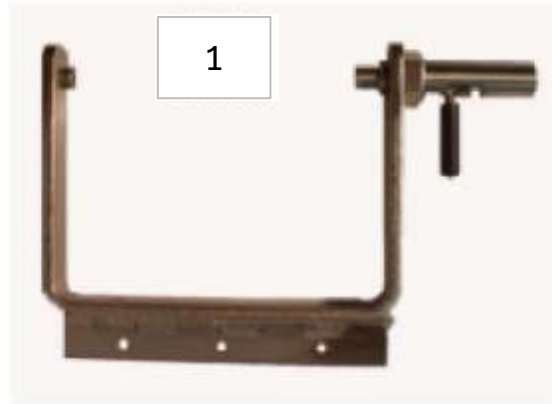
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-35899	HUB ASSEMBLY
	410-36012	SNAP RING ONLY
	443-35895	HUB ONLY



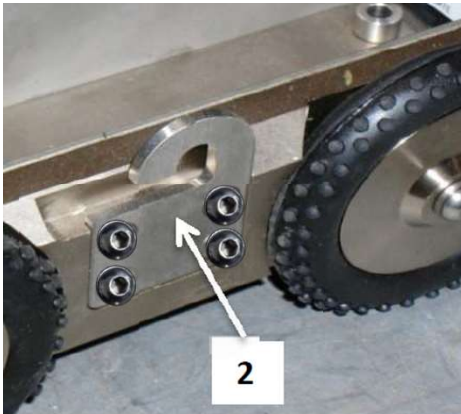
BACK SIDE OF 867-35899

TRANSTAR TRANSPORTER

REPLACEMENT PARTS & ACCESSORIES



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	800-37068	FLOOR MOUNT BRACKET <u>FOR VEHICLE/TRAILER</u>
2	451-37881	LIFTING BRACKET, EITHER SIDE
	305-35805	MSCR,BUTTON,HXS,10-32 X .37 (FOR LIFTING BRACKET ITEM 2)
3	867-37072	LIFTING TOOL, POLE (USED WITH POLE BELOW 867-18552)



	867-18552	COMPLETE DOWNHOLE POLE (60")
2	405-15873-31	SLEEVE, INTERLOCKING
3	401-12481	RIVET,1/4 X 1-5/8 X 7/16 STEEL
4	447-15944	SNAP BUTTON LATCH, DUAL, ZINC PLATE STEEL

TRANSTAR II (SHORT) TRANSPORTER



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	450-37037	RAIL,SKID,TOP,TRANSTAR W/CAMERA LIFT&TRANSTAR II
	867-37642	BRIDLE ASSY,TOW,2 PIECE,2 THIMBLE STYLE,TRANSTAR
	806-38138	CABLE,4 SKT TO 4 PIN, M/F (EURO),13.5" +.5"/-0
	301-11477	HARDWARE, CAMERA MOUNTING
	305-39774	HARDWARE, NYLON LOCK STRIP, MSCR,BUTTON,HXS,1/4-20 X 0.75 SS
2	451-37913	LIFTING BRACKET
	305-35805	MSCR,BUTTON,HXS,10-32 X .37 (FOR LIFTING BRACKET ITEM 2)
	557-32446	CABLE, 4 PIN, ELEVATOR



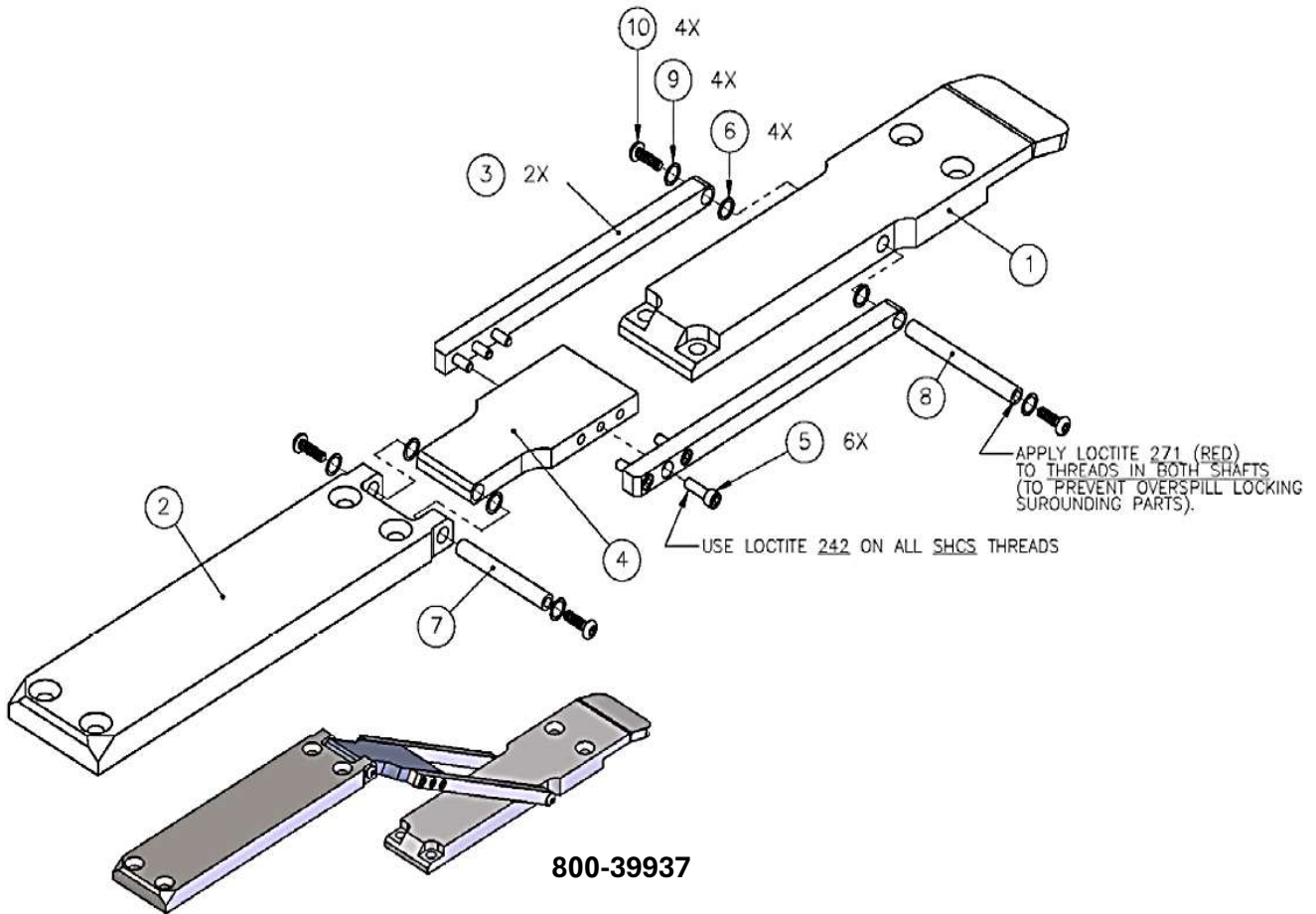
TIRES & WHEELS CAN BE FOUND IN THE PRIOR STANDARD TRANSTAR SECTION

CAMERA INSTALLATION VIDEO

<https://www.youtube.com/watch?v=HO2TdvI270s&t=4s>



TRANSTAR II (SHORT) TRANSPORTER ELEVATOR ASSEMBLY (POWERED)



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	800-39937	COMPLETE ASSEMBLY
1	451-39047	BRKT,MTG,ACTUATOR HD,LIFT
2	451-38972	BRKT, TOP,CAMERA,ELEVATOR,MANUAL,TRAKSTAR II
3	445-38969	ARM,UPPER LEG,ELEVATOR,MANUAL,TRAKSTAR II
4	453-39049	PLATE,LEG,UPPER ARM,ELEVATOR,POWERED,TRAKSTAR II
5	301-11713	MSCR,SHCS,4-40X.37 SS
6	474-39587	SHIM,WASHER,3/16 X 1/4 X .012, 18-8 SS
7	400-39981	PIN,1,THREADED ENDS,ELEVATOR,MANUAL,TRAKSTAR II V2
8	400-39983	PIN,3,THREADED ENDS,ELEVATOR,MANUAL,TRAKSTAR II V2
9	474-39977	SHIM,WASHER,3/16 X 1/4 X .006,18-8 SS
10	301-39979	MSCR,BUTTON,TORX,LOW PROFILE,4-40 X 0.38 SS

MIGHTY MINI TRANSPORTER



SHOWN WITH PROBE PAN & TILT CAMERA

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	301-10239	MSCR,SHCS,8-32 X 0.50" SS TRACTOR BODY
	301-10414	MSCR,FLT,PHH,4-40 X 0.50" SS TOP CABLE COVER PLATE
	301-12007	MSCR,PAN,PHH,6-32 X 0.25" SS WHEEL ATTACHMENT
	301-13685	MSCR,PAN,PHH,10-32 X 0.50" UPPER ARMS
	301-13914	MSCR,FLT,PHH,10-32 X 0.87" SS BRIDAL
	301-14029	MSCR,PAN,PHH,10-32 X 0.37" LOWER ARM, CAM TO TRACTOR
	301-14610	MSCR,FLT,PHH,10-32 X 0.50" S LOWER ARM, CAM TO TRACTOR
	301-14900	MSCR,SHCS,4-40 X 0.25" SS TOP PLATE / TOP CHANNEL
	301-14959	MSCR,SHCS,8-32 X 0.62" SS TRACTOR BODY
	309-13575	NUT,HEX,10-32, NYLOCK SS BRIDAL
	451-16031	TOP CHANNEL CBL COVER
	806-40192	CABLE, 3 PIN MALE/6 SKT FEMALE
	806-33049	CABLE, 4 PIN EURO TO 3 PIN MALE
	867-33048	TOP CABLE, MINI TRACTOR TO 1306, 4 PIN EUROFAST, 17.5" LONG
	867-37197	TOP CABLE, MINI TRACTOR-OS PROBE, 4PIN EURO 17.5"LONG
	867-34891	TOW BRIDLE
	569-13266	TOP CABLE LOOP (REQUIRES 6 INCHES PER)

MIGHTY MINI TRANSPORTER ACCESSORIES KIT



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-30967	ACCESSORIES KIT
	316-16857	WASHER,FLT,#6,.438OD,.040T SS
	301-12007	MSCR,PAN,PHH,6-32X.37 SS
	301-11653	MSCR,PAN,PHH,6-32X.25 SS
	867-30341	ASSEMBLY WHEEL, HEX DRIVE W/3.5" KNOBBY TIRE
	806-40192	ASSY,CBL,3 PIN MALE/6 SKT FEMALE,.4M LONG



602-41401 FITTING, VALVE STEM EXTENSION

3.5" TIRE INSTALLATION VIDEO

<https://www.youtube.com/watch?v=79soH9PLeIM>

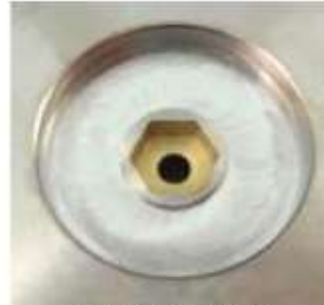


MIGHTY MINI TRANSPORTER

TIRES & WHEELS



2.5"



BACK SIDE OF
MINI HUB

STANDARD KNOBBY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-30349	ASSY,WHEEL,HEX DRIVE,W/2.5" KNOBBY
	443-16070	TIRE ONLY, 2.5"
1	443-21996	CAP, 2.5" WHEEL
	443-21995	WHEEL, ONLY,2.5"
	867-30341	ASSY,WHEEL,HEX DRIVE,W/3.5" KNOBBY
	443-21993	CAP, 3.5" WHEEL
2	443-21994-23	WHEEL, ONLY, 3.5"



3.5"



HI-TRACTION

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-31640	KIT, HI TRACTION,HEX DRIVE (SET OF 4)
	867-31638	ASSY, HI TRACTION (EACH)
	408-31639-23	ADAPTER,HEX DRIVE,CASTER WHEEL



MIGHTY MINI TRANSPORTER

MEGATRAKS



KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-36600	KIT (ITEMS IN PHOTO ABOVE)
	634-36003	PLIERS,SNAP RING (INCLUDED IN KIT)

WHEEL ASSEMBLY

860-36601	HUB WITH MEGATRAK, 2.70"
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WHEEL ONLY

1	443-35678-23	WHEEL ONLY, 2.70"
2	443-35679-23	WHEEL ONLY, 3.30"
3	443-35680-23	WHEEL ONLY, 4.40"

HUB ASSEMBLY

867-36521	HUB,MEGATRAK
443-36519-23	HUB ONLY
443-21993	CAP/INSERT
410-36012	SNAP RING



MIGHTY MINI TRANSPORTER

COMPLETION KIT - PROBE CAMERA MOUNTING



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	841-38670	<u>PROBE</u> CAMERA (MINI TRACTOR)	COMP KIT
4	301-14203	MSCR,PAN,PHH,10-32X.62 SS	2
	316-11835	WASHER,FLT,#10 SS	2
	403-37077	SPACER,RND,#10,.125L,SS	2
7	405-38253-21	SLEEVE,MTG,CAMERA,OS PROBE V2	1
9	445-38257-21	ARMS,LOWER,CANTILEVER,OS PROBE, V2	2
6	450-38254	SKID,BOTTOM,SLEEVE,CAMERA,OS PROBE V2	1
8	451-38257-21	BLOCK,MTG,SLEEVE,CAMERA,OS PROBE V2	1
2	301-11889	MSCR,FLT,PHH,6-32X.37 SS (SKID SLEEVE)	4
3	301-14029	MSCR,PAN,PHH,10-32X.37 SS (TOP ARMS)	4
1	301-14087	MSCR,PAN,PHH,10-32X.31 SS (BOTTOM ARM TO SLEEVE)	2
5	301-11713	MSCR,SHCS,4-40X.37 SS (SLEEVE BLOCK)	4
10	445-16032-21	ARM,UPPER CANTILEVER	2

PROBE INSTALLATION VIDEO

<https://www.youtube.com/watch?v=1XuLCAt1ilQ>



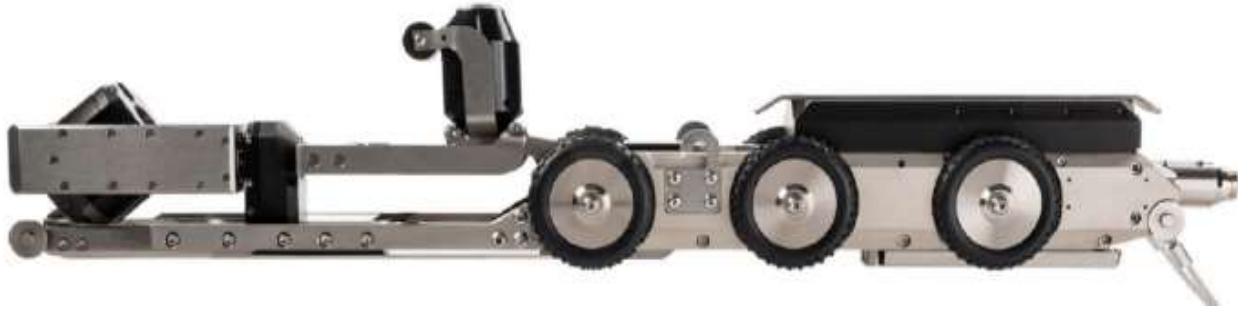
MIGHTY MINI TRANSPORTER

COMPLETION KIT - 1306C CAMERA MOUNTING



841-38669 <u>1306</u> CAMERA (MINI TRACTOR)			COMP KIT
4	301-11713	MSCR,SHCS,4-40X.37 SS	6
3	301-14029	MSCR,PAN,PHH,10-32X.37 SS	2
2	405-16035-21	SLEEVE,CAMERA MTG,MINI TRACTOR	1
7	445-16032-21	ARM,UPPER CANTILEVER	2
5	445-16033-21	ARM,LOWER CANTILEVER	2
6	451-16034-21	BLOCK,MTG,CAMERA SLEEVE	1
1	867-33048	TAIL ASSY,PLUG, 1306, 4PIN EURO (17.5"LONG)	1

LATERAL LAUNCHER



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	
	806-38136	CABLE, WITH CAMERA TERMINATION	100 FT
	806-38136-1	CABLE, W/O CAMERA TERMINATION	100 FT
	806-38136-150	CABLE, WITH CAMERA TERMINATION	150 FT
	806-38136-5	CABLE, W/O CAMERA TERMINATION	150 FT
	806-38136-200	CABLE, WITH CAMERA TERMINATION	200 FT
	806-38136-4	CABLE, W/O CAMERA TERMINATION	200 FT
	867-37642	BRIDLE	



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	841-38738	COMPLETION KIT
1	410-38222	SNAP RING, E-CLIP
2	446-38225	SPRING
3	806-38351	CAMERA CONNECTOR



LATERAL LAUNCHER EXTENSION KIT



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-41142	KIT COMPLETE (INCLUDES ALL ITEMS IN PHOTO) REPLACES KIT 840-38778
	451-41370	EXTENSION LINK
	301-12475	MSCR,FLT,PHH, 8-32 X .25, UNDERCUT SS

LATERAL LAUNCHER

RE-TERMINATION KIT - CAMERA END

ITEM #	PART #	DESCRIPTION
KIT 1	841-38183	KIT,RE-TERMINATION,PUSH CBL, <u>CAMERA END</u>
KIT 2	841-38183-1	KIT (SAME AS ABOVE BUT <u>INCLUDES DISPENSING GUN</u>)
1	630-14364	EPOXY, DP100, 50ML
2	449-11431	TIE WRAP
3	557-38223	CONN,W.R.,PIGTAIL,FEMALE,4SKT,STR,26AWG,0.2M,CSA (PICOFAST)
4	408-38220	CONN,BASE,SPRING,PUSH CABLE,LIS GEN 2
5	439-14212	O-RING,BUNA,016
6	304-20100	SSCR,CUP PT,HXS,4-40X0.50, SS
7	632-10933	TUBE,HEATSHRINK, .187 POLYOLEFIN
8	633-43602	NOZZLE, MIXING,EPX PLUS II,3M 50ML
9	630-18878	PLUNGER,EPOXY,2:1 RATIO FOR 3M 50ML
	968-38221	DIAGRAM INSTRUCTIONS



CAMERA END RETERMINATION VIDEO

https://www.youtube.com/watch?v=dmEyQ_CueAM&t=2s



LATERAL LAUNCHER

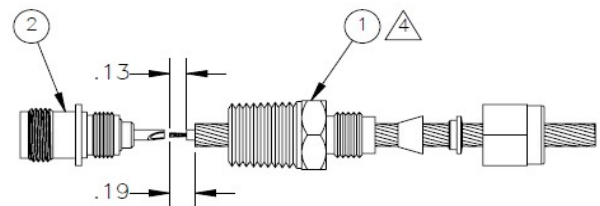
RE-TERMINATION KIT / LAT CABLE TO SINCON CBL

ITEM #	PART #	DESCRIPTION
KIT 3	841-37322	KIT,RETERMINATION,PUSH CBL,SINCON END,LATERAL LAUNCHER
3	630-14364	EPOXY,DP100, 50ML
4	633-43602	NOZZLE,MIXING,EPX PLUS II,3M 50ML
5	632-18082	TUBE,HEATSHRINK, .75" OD,HD/MASTIC 6"
6	630-40001	PLUNGER,EPOXY,1:1 RATIO FOR 3M 50ML
7	408-34066	BULLET,CBL TERMINATION,PUSH CBL
8	602-10158	FITTING,COMPRESSION,UNION,1/4"
9	555-35395	CONN,TNC,PLUG,PUSH CBL,REEL,LIS
	968-37341	DIAGRAM INSTRUCTIONS



LATERAL CABLE SINCON END

841-39326 KIT, TERMINATION, TNC, FEMALE, SINCON
(INCLUDES ITEMS 1 & 2, NOT SOLD SEPARATELY)



SINCON CABLE END

LAT CBL SINCON END RETERMINATION VIDEO

<https://www.youtube.com/watch?v=44kJCXKOxZc&t=7s>



LATERAL LAUNCHER

TIRES & WHEELS



BACK SIDE OF LAT. LAUNCHER HUB
(SAME AS TRANSTAR)

STANDARD KNOBBY

ITEM #	PART #	DESCRIPTION
	867-37180	ASSY,WHEEL,KNOBBY TIRE
	867-37241	ASSY,WHEEL,KNOBBY TIRE,STUDDED
	443-34632-23	WHEEL, NI PLATED
	305-39774	HARDWARE, NYLON LOCK STRIP
	400-34848	PINS (AXLE)

HI-TRACTION

867-34822	ASSY 8"-18"
867-37242	STUDDED ASSY,8"-18"

REFER TO TRANSTAR EXTENSION GUIDE
PART # 963-38193
FOR APPROPRIATE HARDWARE



STUDDED VERSION

BALLOON KNOBBY

867-34843	ASSY, BALLOON KNOBBY
-----------	----------------------

REFER TO TRANSTAR EXTENSION GUIDE
PART # 963-38193
FOR APPROPRIATE HARDWARE



867-34843

LATERAL LAUNCHER

MEGATRAKS

MEGATRAK KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-35686	KIT (ITEMS IN PHOTO)
	305-39774	MSCR,BUTTON,HXS,1/4-20 X .75 SS,NYLON LOCK STRIP
	316-11245	WASHER, FLAT 0.25 SAE SS
	318-15671	WASHER, LKG 0.25 SS



WHEEL HUB ASSEMBLY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	860-36000	HUB ASSEMBLY WITH MEGATRAK,2.70"
	860-36001	HUB ASSEMBLY WITH MEGATRAK,3.30"
	860-36002	HUB ASSEMBLY WITH MEGATRAK,4.40"



LATERAL LAUNCHER

MEGATRAKS

WHEEL ONLY

<u>SIZE</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2.70"	443-35678-23	WHEEL,MEGATRAK,2.70" OD,NI PLATE
3.30"	443-35679-23	WHEEL,MEGATRAK,3.30" OD,NI PLATE
4.40"	443-35680-23	WHEEL,MEGATRAK,4.40" OD,NI PLATE



HUB ONLY

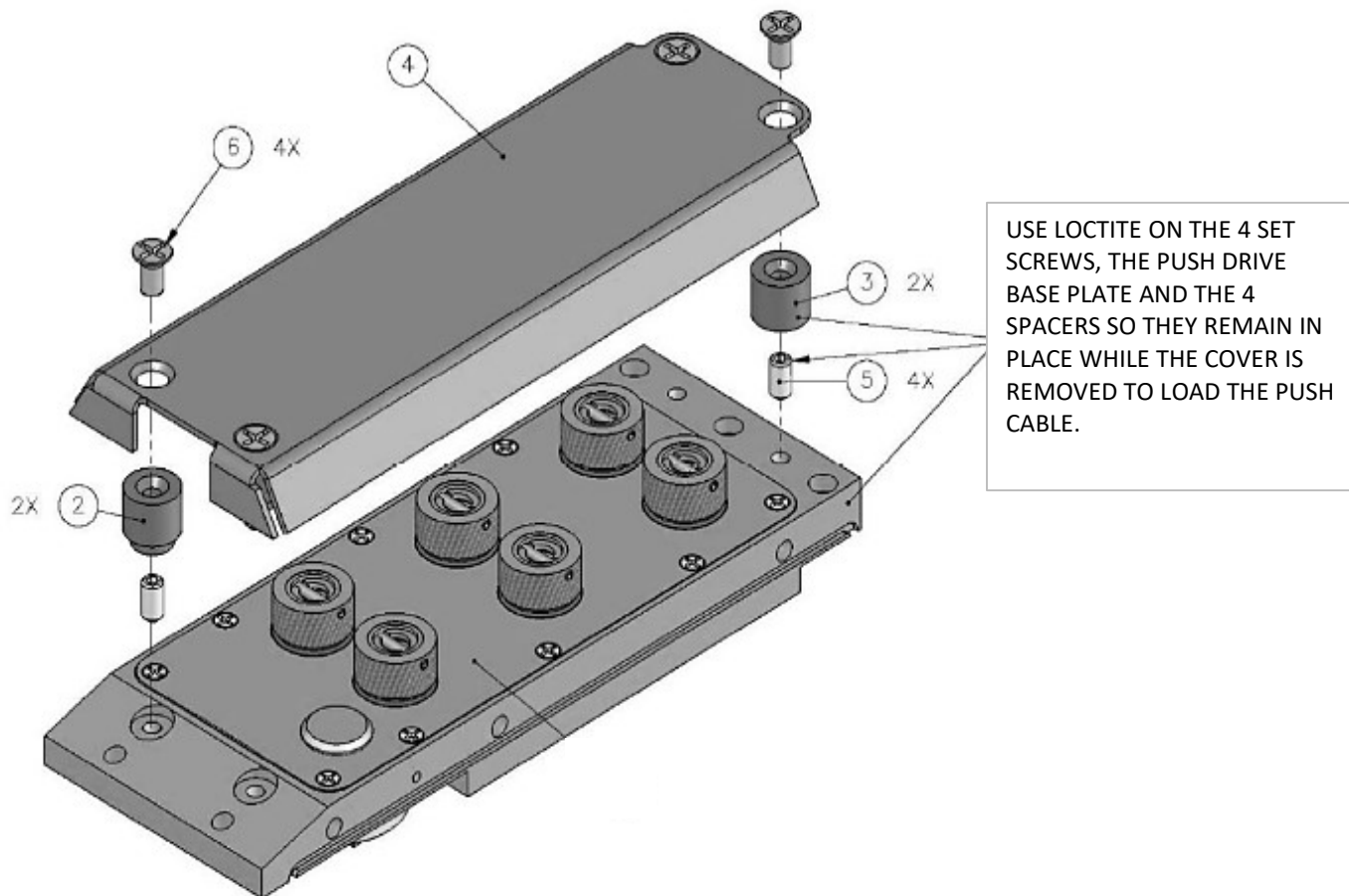
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-35899	HUB ASSEMBLY
	410-36012	SNAP RING ONLY
	443-35895	HUB ONLY



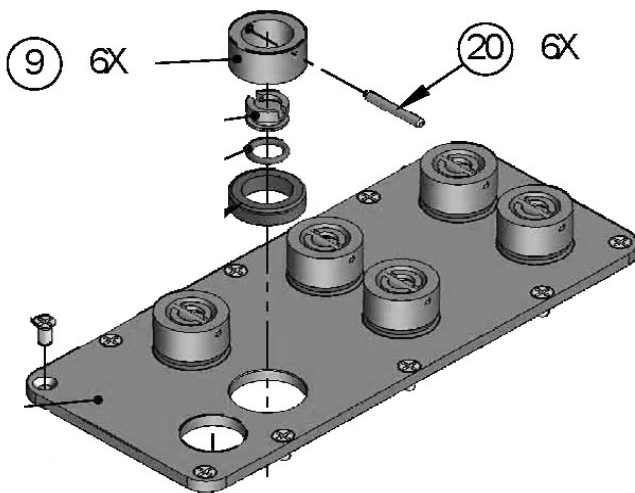
BACK SIDE OF 867-35899

LATERAL LAUNCHER

LATERAL PUSH CABLE DRIVE ASSEMBLY



ITEM #	PART #	DESCRIPTION
2	402-37952	SPACER, UNDERTRAY, FRONT, LAUNCHER GEN 2
3	402-37953	SPACER, UNDERTRAY, REAR, LAUNCHER GEN 2
4	453-37954	PLATE, UNDERTRAY, LAUNCHER GEN 2
5	304-11243	SSCR, CUP PT, HXS, 10-32 X .375 SS
6	301-13172	MSCR, FLT, PHH, 10-32 X .37, UNDERCUT SS
9	443-37992-45	DRIVE ROLLER, PUSH CABLE
20	400-40012	PIN,SPRING,ROLL,M2 X 4MML, 18-8



MAINLINE CONTROLLER



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	447-10663	ALUMINUM KNOB (REEL SPEED)
1	542-14407	SW, TOGGLE, SPDT, 15A (REEL HIGH/LOW)
2	542-14697	SW, TOGGLE, SPST, MAN, 15A (REEL IN/OUT)
3	542-30144	SW, TOGGLE, DPST, MAN, 15A (CAMERA ON/OFF)
4	542-30154	SW, TOGGLE, SPDT, MOM, 15A (REEL ON/OFF & GENERATOR START/STOP)
	220-10940	KIT, RIPPLE FILTER PCBA, SINGLE FET (5 PIN) INCLUDES INSTALL INSTRUCTIONS
	220-10952	KIT, CONTROLLER DEMOD PCBA INCLUDES INSTALL INSTRUCTIONS
	220-10953	KIT, DUAL TONE ENCODER/PWR SUPPLY PCBA INCLUDES INSTALL INSTRUCTIONS

MAINLINE WINLOGGER SYSTEM

702-40442 UPS,600W,(750) RACKMOUNT,1U,120V,60HZ

CABLES

VEHICLE & TRAILER EQUIPMENT

N TO N CAMERA POWER

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	806-21505	ASSY,CBL,N PLUG > N PLUG - 6FT
	806-15999	ASSY,CBL,N PLUG > N PLUG - 12FT
	806-15996	ASSY,CBL,N PLUG > N PLUG - 16FT



N TO N CAMERA POWER (LISTED)

		<u>DESCRIPTION</u>
2	806-30348	ASSY,CBL,N PLUG>N PLUG,DBL SHIELDED - 14FT
	806-30347	ASSY,CBL,N PLUG>N PLUG,DBL SHIELDED - 20FT
	806-21100	ASSY,CBL,N PLUG>N PLUG,DBL SHIELDED - 25FT



MAINLINE CONTROLLER TO REEL

		<u>DESCRIPTION</u>
3	806-33740	ASSY,CBL,28 PIN,MLR DGTL-MLC LISTED - 13FT
	806-34521	ASSY,CBL,28 PIN,MLR DFTL-MLC LISTED - 18FT
	806-33740-30	ASSY,CBL,28 PIN,MLR DGTL-MLC LISTED - 30FT



CABLES

VEHICLE & TRAILER EQUIPMENT

MAINLINE REEL

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
4	806-33223	ASSY,CBL,REMOTE AUX CONN TO MLCR - 20FT

4



X-BOB TO REEL

	<u>DESCRIPTION</u>
806-19960	ASSY,CBL,FTG,4-PIN,F-F - 4FT
5 806-15660	ASSY,CBL,FTG,4-PIN,F-F - 13FT
806-30342	ASSY,CBL,FTG,4-PIN,F-F - 14.5FT
806-30343	ASSY,CBL,FTG,4-PIN,F-F - 16FT

5



BNC TO BNC

	<u>DESCRIPTION</u>
806-12470	CBL,FAB,BNC TO BNC - 5FT
6 806-39184	ASSY,CBL,BNC M TO BNC M - 8FT

6

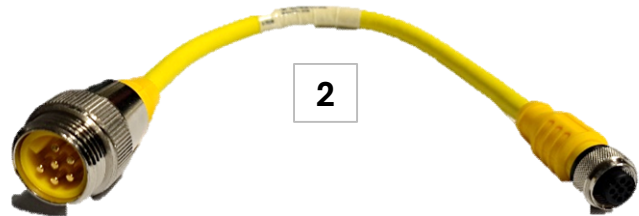


MONITORS

	<u>DESCRIPTION (MONITOR)</u>
704-34196	MONITOR,COLOR,VIDEO/COMPUTER,TFT-LCD 19
704-12000	MONITOR,COLOR,LED,21.5", (TRU VU)
548-12010	PWR SUPPLY,12VDC,TRU VU (FOR ITEM ABOVE 704-12000)

CABLES TESTING

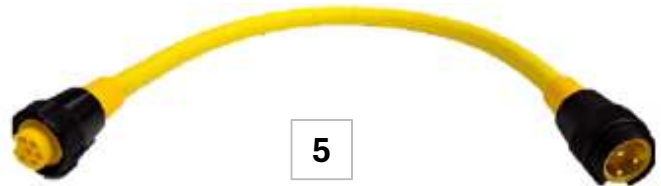
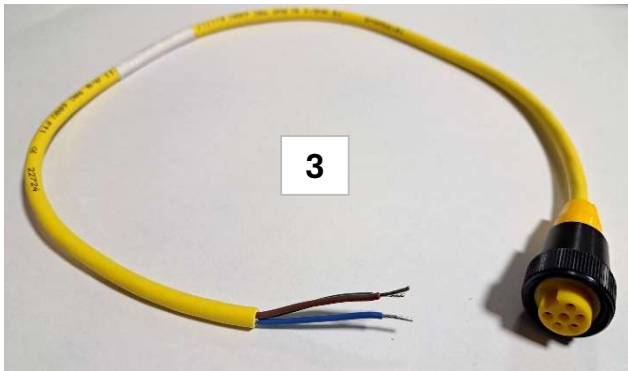
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	806-31484	CABLE, M/L REEL to CAMERA (6-PIN (F) SCREW STYLE TO N-PLUG)
2	806-39319	CABLE, 4 SKT FEM (EURO) TO 6 PIN MALE, 12.5"



ALSO FOR STORM DRAIN TRACTOR POWER TO
CAMERA (ADAPTER CABLE)

TWIST-ON BULLET STYLE

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	557-19528	CABLE, 6 SKT F SCREW-ON STYLE, 23.5"
5	806-40192	CABLE, 3-PIN M TO 6-SKT F, SCREW-ON STYLE, 16"
6	806-37583	CABLE, SONDE TRANSMITTER, 3-PIN M TO 6-SKT F, SCREW-ON, 16"



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
7	806-34469-13	CABLE, 6 SKT TO 4 PIN M/F, 13" <u>(TOP CABLE FOR TRANSTAR/TRAKSTAR)</u>
	806-34469-16	CABLE, 6 SKT TO 4 PIN M/F, 16" <u>(TOP CABLE FOR TRANSTAR WITH ELEVATOR)</u>
	806-34469-24	CABLE, 6 SKT TO 4 PIN M/F, 24" <u>(TOP CABLE FOR PROTRAK CRAWLER)</u>

CABLES

BULKHEAD CONNECTORS

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	557-32200-1	6-PIN MALE, THREADED BULKHEAD CONNECTOR, BARE
4	557-30002	CONN,W.R.,BHD,FEMALE,4SKT,22AWG,250V,4A,SS,0.5M,EUROFAST,UL
5	557-30004	CONN,W.R.,BHD,FEMALE BODY,18AWG,600V,9A,UL/CSA,3SKT W/LEADS
6	557-37820	CONN,WR.,BHD,MALE,4PIN,22AWG,250V,4A,SS



CABLES

SINCON CABLE

MAXIMUM REEL CAPACITY: CPR / MAINLINE REEL		
ARMORED SINCON 0.25"		PLEASE CALL AND SPEAK TO PRODUCT SUPPORT IF YOU HAVE ANY QUESTIONS REGARDING EQUIPMENT CABLE AND AVAILABLE OPTIONS! 800-846-2713 (PRESS 1)
CPR	1,000'	
CPR X-WIDE	1,500'	
M/L	2,000'	

ASSEMBLIES, TERMINATED BOTH ENDS

3-PIN (BULLET) SCREW-ON W/ 3 CONDUCTOR CONNECTOR

ITEM #	PART #	DESCRIPTION
	806-31520	ASSY, SINCON, ARMORED, 500'
	806-31521	ASSY, SINCON, ARMORED, 1000'
	806-31522	ASSY, SINCON, ARMORED, 1500'
	806-31523	ASSY, SINCON, ARMORED, 2000'

SINCON CABLE ONLY (SOLD IN 500 FT INCREMENTS)

569-20283	SINGLE CONDUCTOR, SINCON, STEEL ARMORED, <u>PER FOOT</u>
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PUSH REEL CABLE

PUSH CABLE SOLD SEPARATELY (AVAILABLE IN 50 FT INCREMENTS)

569-17755-61	CBL, COAX, 20AWG, .25 FIBERGLASS, HYTREL JACKET, <u>PER FOOT</u>
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CABLE ASSEMBLIES, TERMINATED, SPRING READY

806-32316	CABLE ASSY, PUSH, .25", 150'
806-32318	CABLE ASSY, PUSH, .25", 200'
806-32319	CABLE ASSY, PUSH, .25", 250'
806-32320	CABLE ASSY, PUSH, .25", 300'

LATERAL LAUNCHER CABLE

LATERAL CABLE SOLD SEPARATELY (AVAILABLE IN 50 FT INCREMENTS)

569-39716-61	CBL, FAB, 20AWG, FIBERGLASS, HYTREL JACKET, <u>PER FOOT</u>	
806-38136	CBL, <u>WITH</u> CAMERA TERMINATION	100 FT
806-38136-1	CBL, <u>W/O</u> CAMERA TERMINATION	100 FT
806-38136-150	CBL, <u>WITH</u> CAMERA TERMINATION	150 FT
806-38136-5	CBL, <u>W/O</u> CAMERA TERMINATION	150 FT
806-38136-200	CBL, <u>WITH</u> CAMERA TERMINATION	200 FT
806-38136-4	CBL, <u>W/O</u> CAMERA TERMINATION	200 FT

BULLET KITS AND ACCESSORIES

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	841-31486	KIT - 6 PIN FEMALE TO 3 PIN MALE	COMP KIT
	867-31751	ASSY, BULLETT TERMINAL, REMOVABLE PIGTAIL	1
	450-32403	PROTECTOR SLEEVE (DELTRIN) (ITEM 3 BELOW)	1
	806-40192	CABLE, 3-PIN MALE / 6-SKT FEMALE, .4M LONG	1
	970-30904	INSTALL INSTRUCTIONS WITH DIAGRAM(S)	1
	634-10524	7/64" ALLEN WRENCH	1
	301-19935	MSCR,SHCS,6-32X.375, SS	3



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2	867-31751	ASSY,BULLET TERMINAL, REMOVEABLE PIGTAIL
	557-13605	CAP W/LANYARD ONLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	807-31639	PROTECTOR DELTRIN SKID WITH HARDWARE
	301-19935	MSCR,SHCS,6-32 X .375 SS



BULLET REBUILD KIT ON FOLLOWING PAGE

BULLET REBUILD KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	841-31914	KIT, COMPRESSION FITTING, BULLET REBUILD KIT
002	439-30423	O-RING,BUNA,120
004	439-17127	O-RING,BUNA,007
005	403-30421	SPACER,0.171ID X .375 OD X .125THICK,SS
006	602-30422	FITTING,COMPRESSION,UNION,1/4",316 SS (INCLUDES FERRULES)
008	300-19295	MSCR,SEMS,PAN,PHH,INT STAR, 6-32 X .25 SZ
012	301-19935	MSCR,SHCS,6-32X.375, SS
	970-30904	INSTRUCTIONS INCLUDED IN KIT WITH DIAGRAM(S)



SOLD SEPARATELY

<u>PART #</u>	<u>DESCRIPTION</u>
565-30419	TERMINAL BLOCK, 2 POLE, 12-20 AWG (MAKES TWO SEPARATE BLOCKS)



SINCON RETERMINATION VIDEO

<https://www.youtube.com/watch?v=0fXSA9Wp0l8>



NOTES SECTION

RE-CHARGE KIT



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-35012	RECHARGE KIT
1	603-35024	HOSE, 800 PSI, 1/4" FEMALE CONNECTOR
2	566-35083	REGULATOR, TWO GAUGE, 0-30 PSI, NITROGEN
3	633-35020	PORTABLE STAND
4	867-39354	ASSY,AIR VALVE TO 1/4"
	970-35269	PROCEDURE, FIELD NITROGEN RE-PRESSURIZE

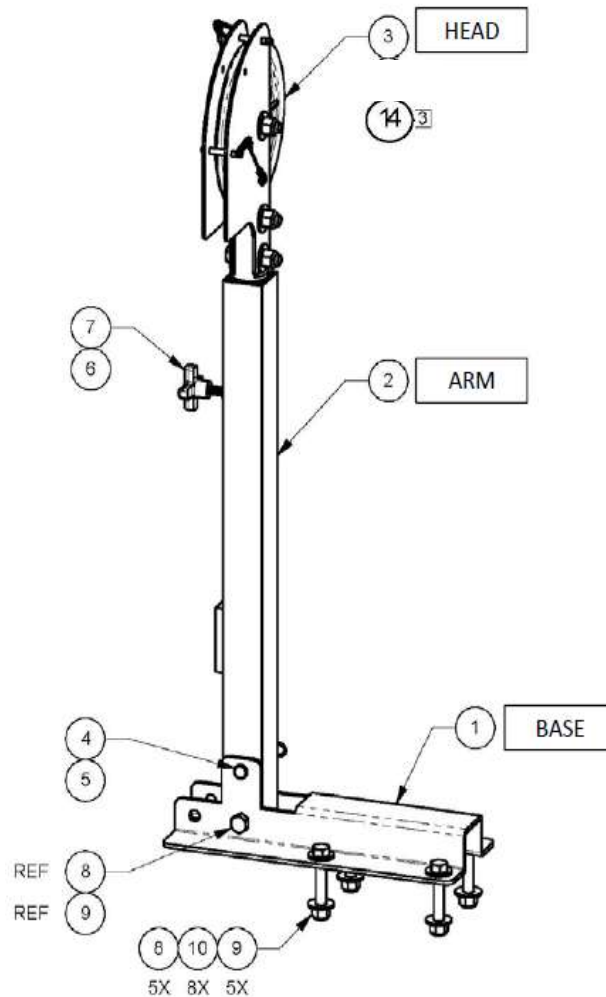
LEAK TEST VIDEO

<https://www.youtube.com/watch?v=ntWKXWr7kJM>



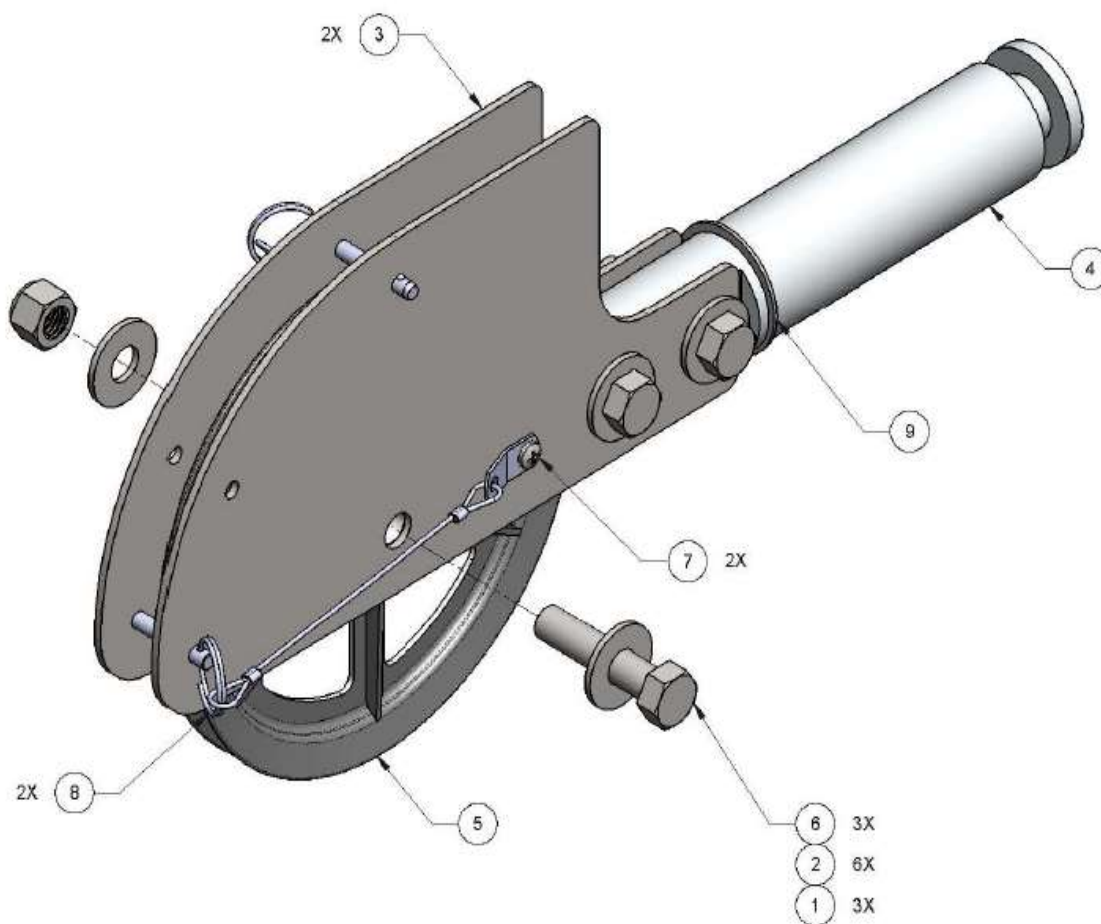
ARTICULATING ARM

ARTICULATING ARM



ITEM #	PART #	DESCRIPTION
	867-32615	COMPLETE ASSEMBLY
1	451-39831	BASE,ARTICULATED CBL GUIDE
2	800-20678-31	ASSY,ARM,ARTICULATED CBL GUIDE,RST SILVER
3	867-32400	HEAD ASSY - DWG & BREAKDOWN NEXT PAGE
4	400-20660	PIN,CLEVIS,.5" DIA X 2.75" L STEEL
5	400-20659	PIN,COTTER,HAIRPIN STYLE,.375"->.75"SHAFT,.093 WIRE
6	304-13517	SSCR,CUP PT,HXS,3/8-16X2.50 STLBLX
7	447-10073	KNOB,CAST IRON,3/8-16,2.0DIA,1.12H,CAD PLATED
8	300-10533	MSCR,HEXHD,1/2-13X3 ZINC
9	308-13860	NUT,HEX,1/2-13,NYLOCK ZINC
10	315-12364	WASHER,FLT,1/2 ZINC
14	867-21720	HEAD ASSY, GUIDE ROLLER, HI LOAD CAPACITY ,ARTICULATING

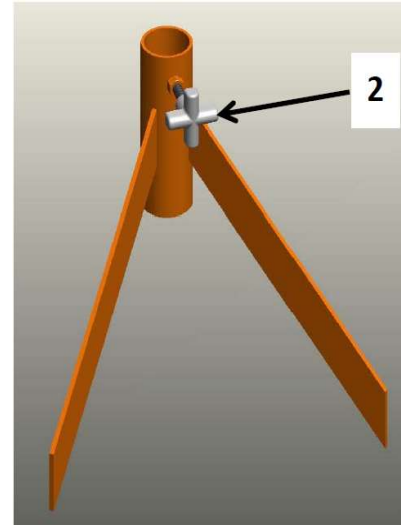
ARTICULATING ARM AND ACCESSORIES



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-32400	ENTIRE ASSEMBLY
1	308-13860	NUT,HEX, 12-13, NYLOCK ZINC
2	315-12364	WASHER, FLT, 1/2 ZINC
3	453-30498	PLATE, SIDE, GUIDE ROLLER, ARTICULATING ARM
4	407-34230-21	SHAFT, PIVOT, GUIDE, CABLE
5	440-32401	PULLEY, IDLER, V-BELT, 5" W x 7.5" OD, W/BEARING & SPACER
6	301-34167	MSCR, HEX HD, 1/2-13 x 2.25 ZINC
7	301-13799	MSCR, PAN, PHH, 10-32 x .25 SS
8	400-32402	PIN, QUICK RELEASE, SELF LOCK
9	410-34253	SNAP RING, 1-3/4"

DOWNHOLE ROLLER MANHOLE HOOK & POLES

ITEM #	PART #	DESCRIPTION
	867-21355	MANHOLE HOOK COMPLETE ASSEMBLY
2	805-12527	DRAG BRAKE KNOB & SHAFT



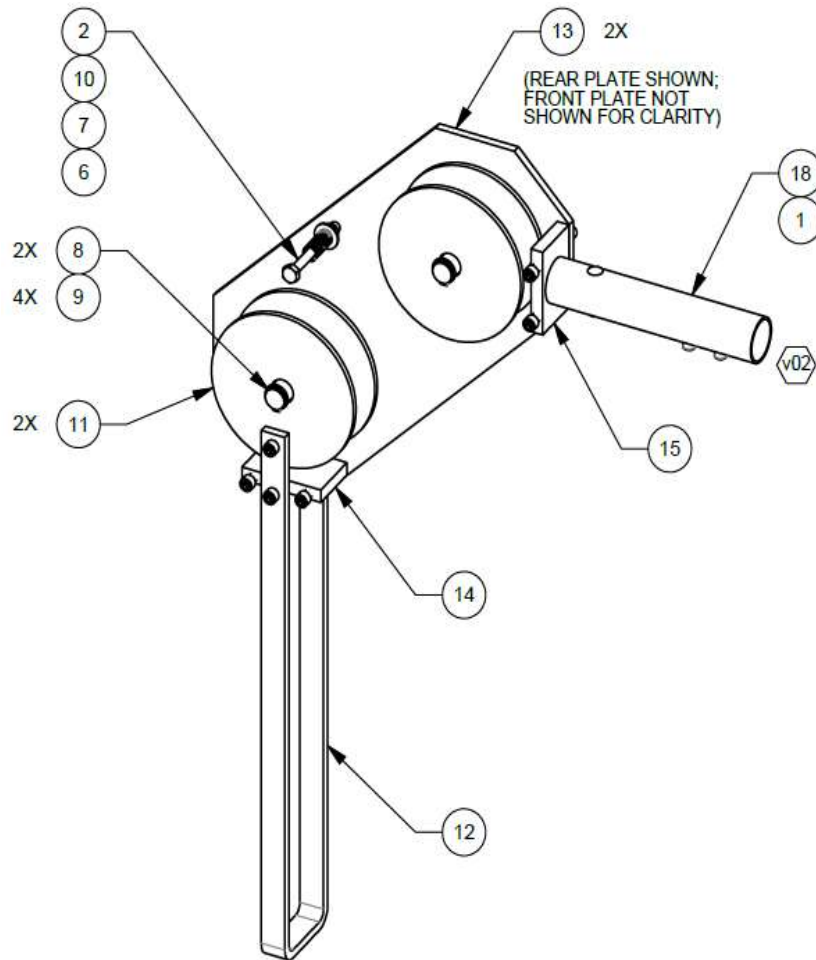
867-37072 LIFTING TOOL, POLE



ITEM #	PART #	DESCRIPTION
	867-18552	COMPLETE DOWNHOLE POLE (60")
2	405-15873-31	SLEEVE, INTERLOCKING
3	401-12481	RIVET, 1/4 X 1-5/8 X 7/16 STEEL
4	447-15944	SNAP BUTTON LATCH, DUAL, ZINC PLATE STEEL

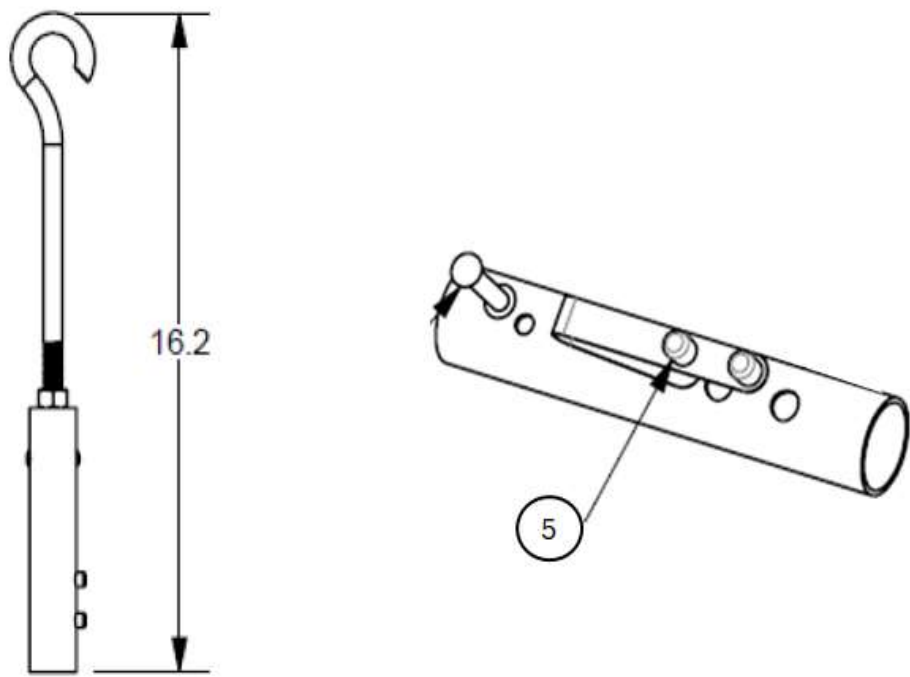
DOWNHOLE ROLLER

DOUBLE ROLLER ASSEMBLY



ITEM #	PART #	DESCRIPTION
	455-13468	COMPLETE ASSEMBLY
1	300-10415	MSCR,HEXHD,1/2-13X1,GRD5 ZINC
2	300-15253	MSCR,HEXHD,1/4-20X3,GRD 5 ZINC
3	301-10651	MSCR,SHCS,1/4-20X.50 SS
4	301-11005	MSCR,SHCS,1/4-20X.62 SS
5	301-15608	MSCR,SHCS,1/4-20X.87 SS
6	309-13632	NUT,HEX,1/14-20,NYLOCK SS
7	315-11304	WASHER,FLT,.25,SAE ZINC
8	407-10187	AXLE,INVERT ROLLER
9	410-13006	RING,SNAP,EXT, .625
10	446-16853	SPRING,COMPRESS,2-1/8" L, 4.3 LBS, STL/ZNC
11	449-15325	ROLLER,GUIDE,POLYURETHANE
12	451-11198	HOOP,ENTRY
13	453-10552	PLATE,SIDE,DOUBLE ROLLER
14	453-11080	PLATE,CORNER, HOOP END
15	453-11139	PLATE,CORNER,STEM END
16	630-14595	ADH,LOCTITE,271,HIGH STRENGTH(RED),50ML
17	630-16979	ADH,LOCTITE,222,REMOVABLE,(PURPLE) 50ML
18	867-20890	ASSY,POLE,INTERLOCKING,PUSH BUTTON, 6.5"

DOWNHOLE ROLLER GRAB HOOK ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-12371	COMPLETE ASSEMBLY - GRAB HOOK
5	447-15944	SNAP BUTTON,DUAL TYPE,ZINC PLATE STEEL



867-15975	LOWERING ROPE WITH D-RING (28 FT)
444-17233	D-RING

EQUIPMENT CASES



PELICAN BRAND ®



MAINLINE CAMERA CASE

222-10588



TRANSTAR TRACTOR CASE

220-10090

CRATES

701-18954 STORM DRAIN CRATE 44 X 24 X 16

701-18955 MEDIUM CRATE 49 X 33 X 29 (CAN ALSO BE USED FOR SDT)

Thank you for choosing



SUBSITE SUPPORT VIDEOS

<https://www.youtube.com/@SubsiteElectronics/videos>