



# UTILITY INSPECTION SYSTEMS



2025

PARTS MANUAL

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# UTILITY INSPECTION EQUIPMENT IDENTIFICATION ASSISTANCE

**PLEASE NOTE SERIAL # PREFIX IS BOLD & UNDERLINED**



**1306**  
SERIAL NUMBER STRUCTURE  
**C3E**XXXXX / **1306**XXXX



**1545 SERIES**  
SERIAL NUMBER STRUCTURE  
**C3N**XXXXX / **C3NX**XXXX  
**C3S**XXXXX / **C3SX**XXXX



**TRAKSTAR (RECTANGLE BODY)**  
SERIAL NUMBER STRUCTURE  
**C1C2**XXXX / **C7B**XXXXX / **TRKS**XXXX

**TRAKSTAR II (SHORT SQUARE BODY)**  
**C1E2**XXXX / **TKII**XXXX



**OMNISTAR PROBE**  
SERIAL NUMBER STRUCTURE  
**C1A2**XXXX / **PROB**XXXX

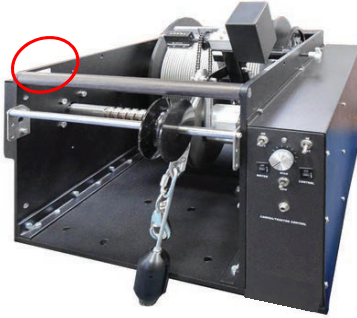


**PUSH REEL**  
SERIAL NUMBER STRUCTURE  
**R3C**XXXXX / **R3D**XXXXX / **PCR**XXXXX



**COMPACT PORTABLE REEL**  
SERIAL NUMBER STRUCTURE  
**R2K**XXXXX / **R2L**XXXXX / **CPR**XXXX

# EQUIPMENT IDENTIFICATION ASSISTANCE



**MAINLINE CABLE REEL**  
SERIAL NUMBER STRUCTURE  
R1CXXXXX / R1DXXXXX / MLRXXXXX



**PROTRAK**  
SERIAL NUMBER STRUCTURE  
D6EXXXXX/ D6FXXXXX / PRTKXXXX



**LATERAL LAUNCHER GEN 2**  
SERIAL NUMBER STRUCTURE  
ZOOM CAMERA = C2D2XXXX / LLSXXXX  
TRANSPORTER = D6MXXXX / LLSXXXX  
MINI CAMERA = C3SXXXX / C3SXXXX



**TRANSTAR**  
SERIAL NUMBER START WITH  
T9NXXXXX / T9SXXXXX / T9TXXXXX / V2AXXXXX  
**TRANSTAR II (SHORT BODY)**  
T9UXXXXX/V3AXXXXX/V2BXXXXX/TSIIXXXX



**STORM DRAIN TRACTOR**  
SERIAL NUMBER START WITH  
D2AXXXXX / SDTXXXXX



**MAINLINE CONTROLLER**  
SERIAL NUMBER START WITH  
MAINLINE = P1EXXXXX / P1FXXXXX / MLCXXXXX



**MINI TRACTOR**  
SERIAL NUMBER START WITH  
D3BXXXXX / MINIXXXX

Parts shown may change and are subject to availability

# MINI CAMERA REPLACEMENT PARTS

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




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450-15031	PROTECTIVE SLEEVE ( <b>DELRIN</b> ) FOR 1306
301-11653	HARDWARE, 3 PER REQUIRED



PROTECTIVE SLEEVE (**DELRIN**) FOR 1545 CAMERA (OLD STYLE, PRIOR TO 2023)

301-10827 HARDWARE, 3 PER REQUIRED

**OLD STYLE**  
FEBRUARY 2023  
OR OLDER



**DIMENSIONS**

2.25" O.D.  
**2.4" L**

**NEW STYLE**  
2023 OR NEWER



**DIMENSIONS**

2.25" O.D.  
**2.9" L**

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450-40100	CAP, SLEEVE	220-10033	SLEEVE, <b>SONDE INCLUDED (USE WITH C3S ONLY)</b>
450-40101	BODY, SLEEVE	450-40100	CAP, SLEEVE
301-10239	HARDWARE, 3 PER, MSCR, SHCS, 8-32X.50 SS	220-10029	BODY, SLEEVE
301-10827	HARDWARE, 3 PER, MSCR, PAN, PHH, 4-40X.19 SS	301-14959	HARDWARE, 3 PER, MSCR, SHCS, 8-32X.62 SS
		301-10827	HARDWARE, 3 PER, MSCR, PAN, PHH, 4-40X.19 SS



**DIMENSIONS**

2.25" O.D.  
3.2" L



**DIMENSIONS**

2.25" O.D.  
3.51" L

# OMNISTAR PROBE PAN & ROTATE CAMERA



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

**PARTS BREAKDOWN ON PG. 76, MINI TRACTOR SECTION**





# TRAKSTAR ZOOM CAMERA (RECTANGLE BODY) PARTS & ACCESSORIES



<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>HARDWARE FOR FACE PLATE</u>
	439-34270	O-RING, <u>HEAD REAR COVER</u>
	439-35338	O-RING, <u>FACE PLATE</u>
	450-37205	TOP BODY SKID
	549-17208	LENS WINDOW, SAPPHIRE
	806-38138	CABLE, 4 PIN TO 4 PIN M/F(EURO), 13.5" +.5"/-0
	806-34469-13	CABLE, 6PIN TO 4 PIN (13" LONG, OLD STYLE TRANSTAR)
	806-34469-16	CABLE, 6PIN TO 4 PIN, <u>USE WITH ELEVATOR</u> (16" LONG, FOR NON TILT UP STYLE)
	806-34469-24	CABLE, 6 PIN TO 4 PIN, <u>USE WITH PROTRAK</u> CRAWLER (24" LONG)
	806-38138-24	CABLE, 4 PIN TO 4 PIN, <u>USE WITH PROTRAK</u> CRAWLER (24" LONG)

## **TRAKSTAR II (SHORT RECTANGLE BODY)**

450-38147 TOP BODY SKID

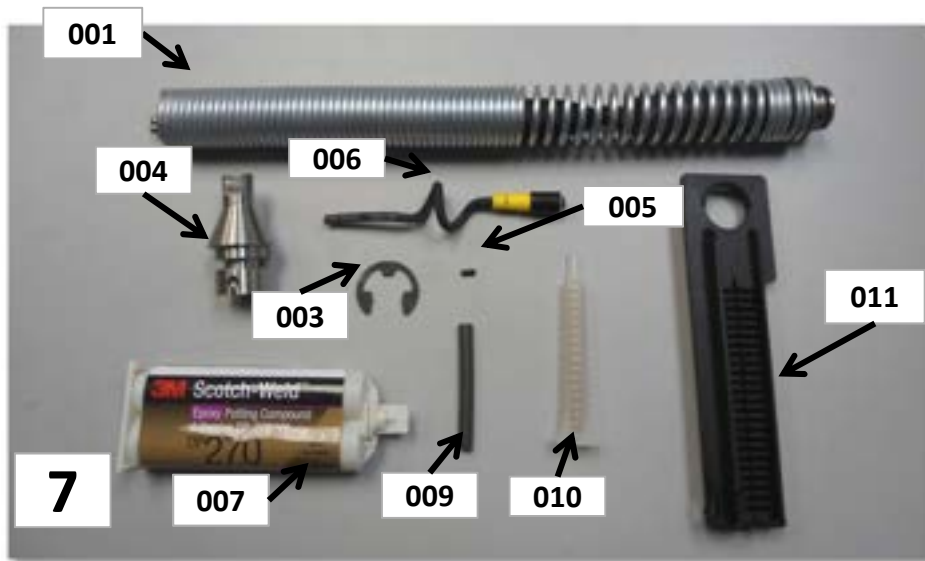
# PUSH REEL DIGITAL FOOTAGE COUNTER



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>PRICED PER FOOT, SOLD IN 50' INCREMENTS</u>
	569-17755-61	CBL,COAX,20AWG,..25 FIBERGLASS,HYTREL J.	
<b><u>CABLE ASSEMBLIES, TERMINATED, SPRING READY</u></b>			
	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 TO OVERLAY	
	806-36140	CABLE, CAMERA PWR 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

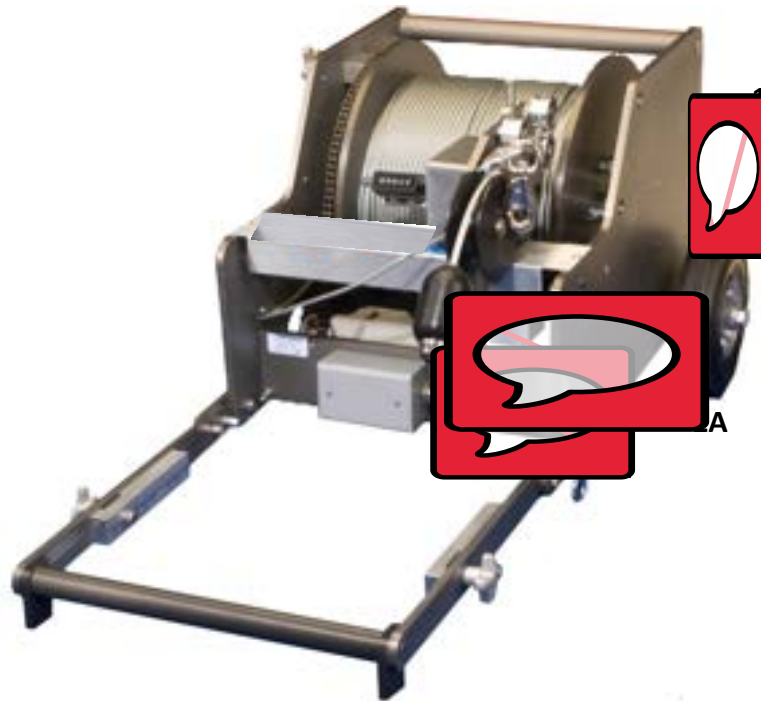
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>7</b>	<b>841-37116</b>	KIT COMPLETE <u>WITHOUT SONDE</u>
001	867-30468-2	SPRING COUPLER,WITHOUT SONDE,.25"CABLE (SPRING/CONN/CABLE)
003	410-30471	RING,RETAINING,EXT,RADIAL,.75" SHAFT (E-CLIP)
004	408-30435	BASE,SPRING COUPLER,.25" DIA.CABLE
005	400-30735	PIN,SPRING,ROLL,3/32" X 1/4"L, PLAIN STEEL
006	557-30480	CONN,W.R.,FEMALE PLUG,4 PIN,COILED,PICOFAST
007	630-30608	EPOXY,DP270,CLEAR,1:1,DUO-PAK,1.7FL.OZ(50ML)
009	632-10933	HEATSHRINK,.187,POLYOLEFIN,125DEG,600V,BLACK,UL/CSA
010	633-43602	NOZZLE,MIXING,3M EPX PLUS II MIX NOZZLE)
011	630-18878	PLUNGER,EPOXY,2:1 RATIO,FOR 3M 50 ML APPLICATOR



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>9</b>	<b>867-30469-1</b>	TERMINATION PORTION ONLY
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 PIN,COILED,PICOFAST



# COMPACT PORTABLE REEL (CPR)

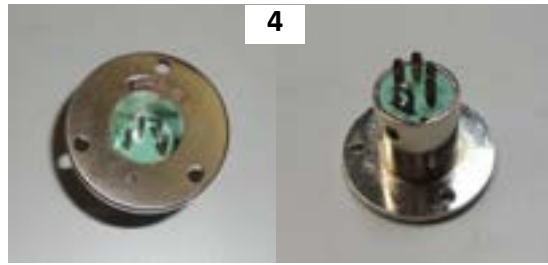


<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	443-10485	TIRE,SEMI-PNEUMATIC,8 X 2.50,5/8" AXL BULLET
2	867-31751	ASSY,BULLET, REMOVABLE PIGTAIL,SINCON
2A	807-31639	SLEEVE KIT, 2" DIA.,SINCON BULLET TERMINATION

863-43991 ASSY,CONTROLLER,SPEED,MOTOR,CPR,V2

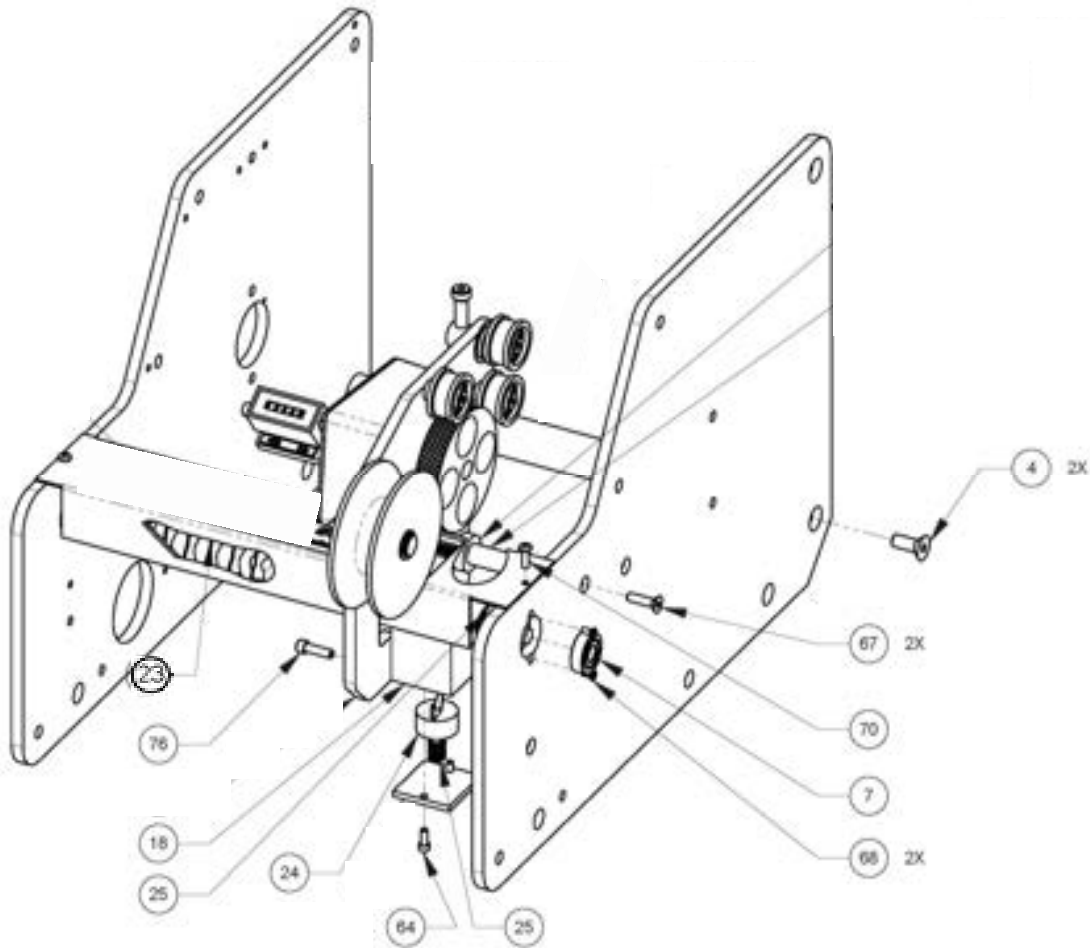


# COMPACT PORTABLE REEL (CPR)



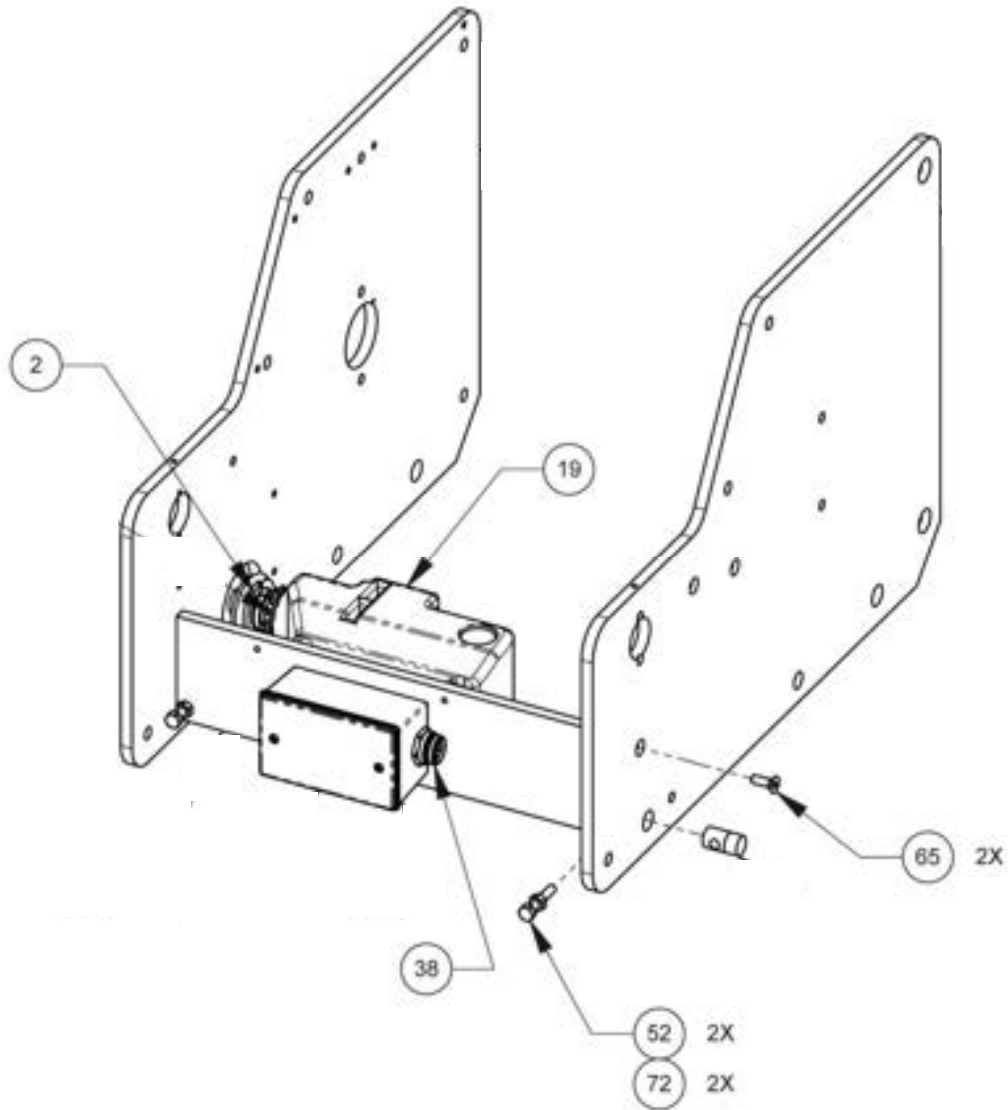
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	555-13488	N' CONN, SQ FLANGE MT, SOLDER CUP
4	556-10977	JACK,4 PIN,PANEL MT (FOOTAGE CONNECTOR)
43	560-17861	CONN,SLIP RING,RCPT,3 COND,COAX, THREE 6" LEADS
44	560-17862	SLIP RING, 3 CONDUCTOR, COAX
5	806-18586	FOOTAGE ENCODER, W/CABLE, W/BRKT
6	806-30342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

# COMPACT PORTABLE REEL (CPR)



<b>ITEM #</b>	<b>PART #</b>	<b>DESCRIPTION</b>
4	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
7	404-14210	BEARING,BALL,1.26OD,.472BORE,.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,44.6LBS,STL/ZINC
64	301-11241	MSCR,SHCS,10-32X.50 SS
67	301-34289	MSCR,FLT,HXS,1/4-20X 1 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

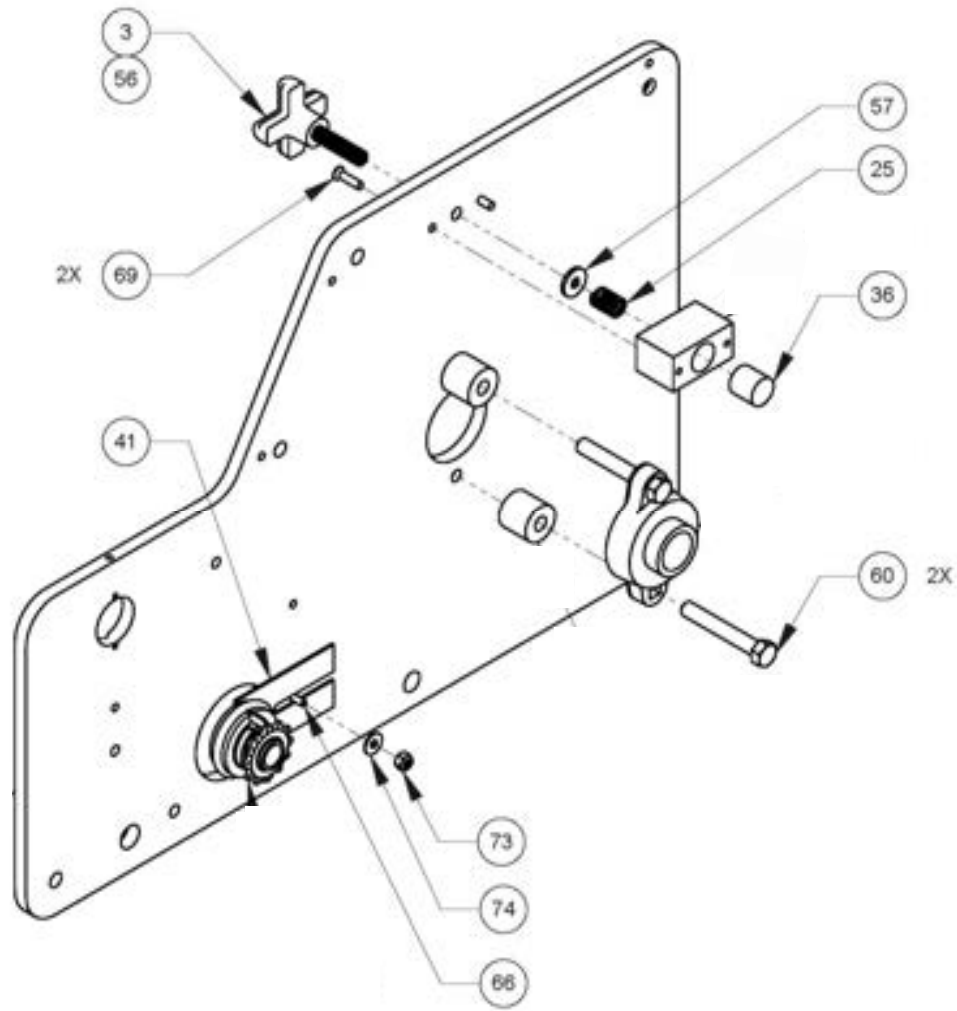
# COMPACT PORTABLE REEL (CPR) MOTOR / JUNCTION BOX / CLUTCH ASSY



<b>ITEM #</b>	<b>PART #</b>	<b>DESCRIPTION</b>
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,5SKT
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	309-12653	NUT,HEX,1/4-20 SS



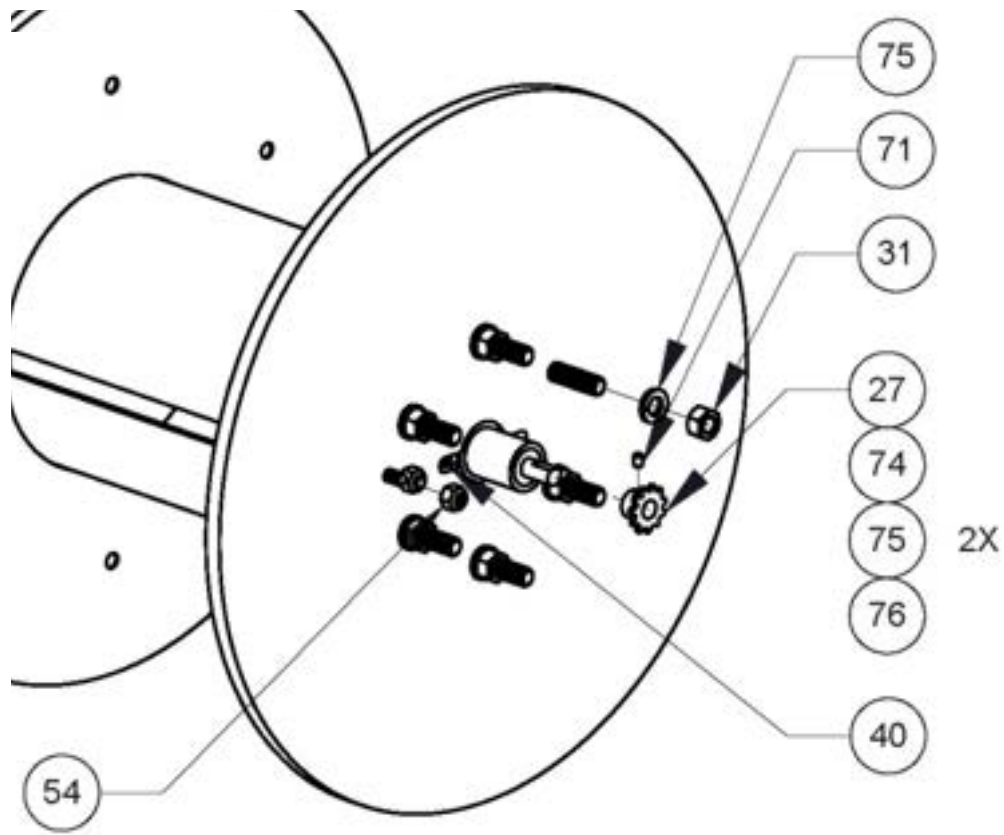
# COMPACT PORTABLE REEL (CPR) RIGHT SIDE PLATE



<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

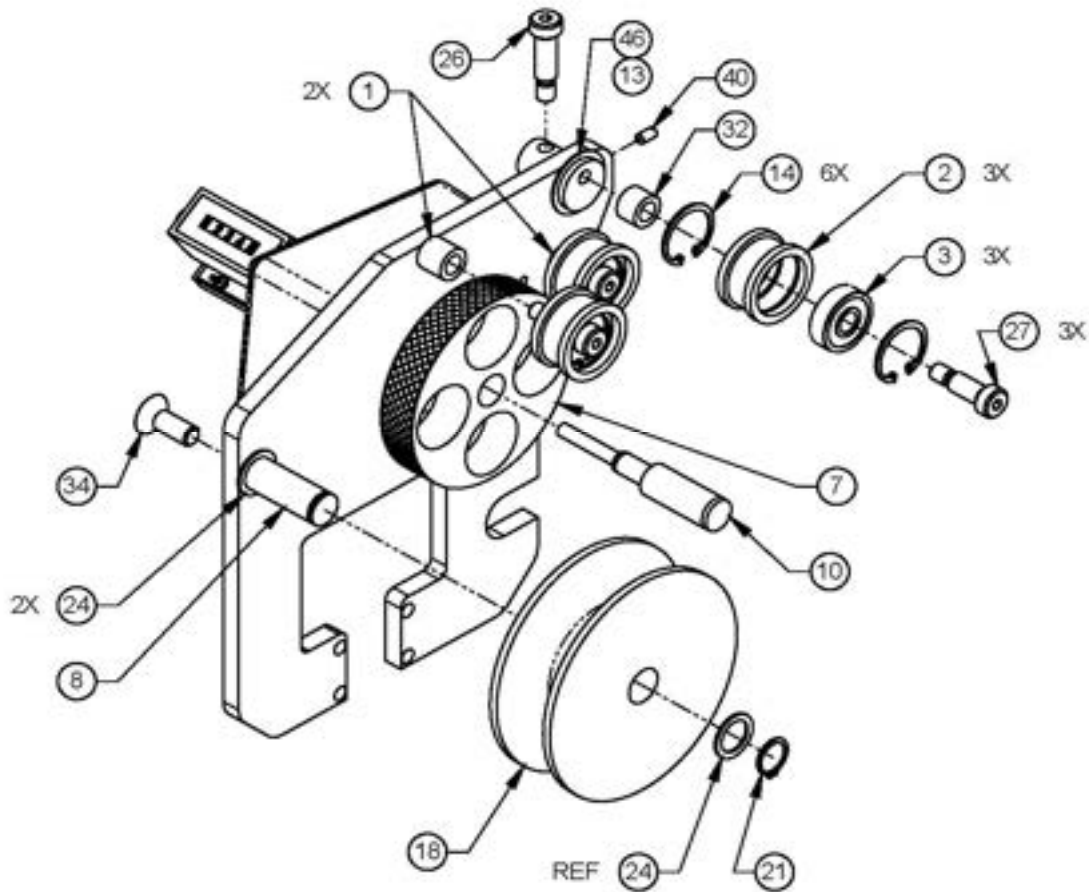


# COMPACT PORTABLE REEL (CPR) SPOOL COMPONENTS



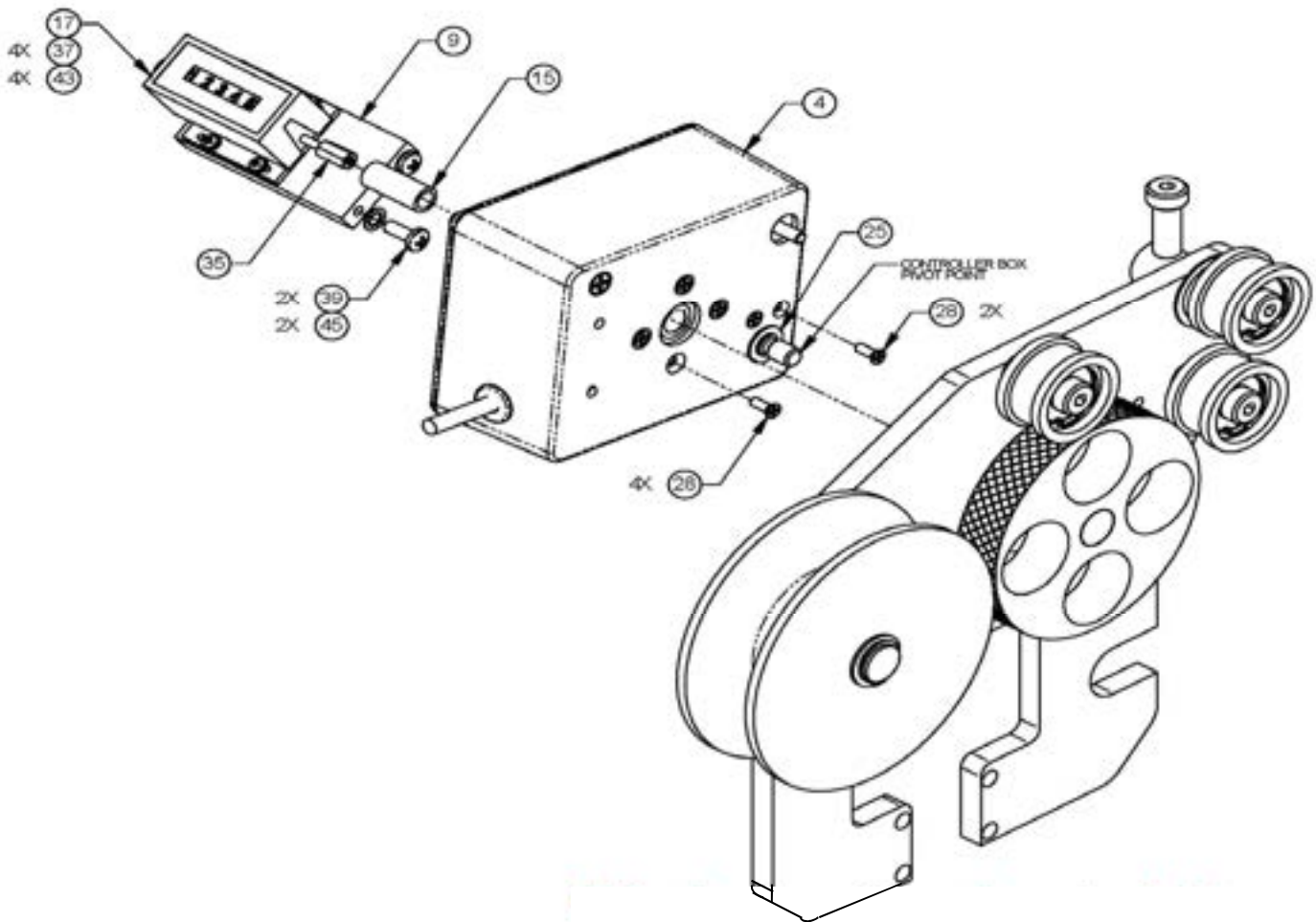
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
27	441-39130	SPRKT,DRIVER,11T,25 PITCH,3/8 ID
31	308-12769	NUT,HEX,3/8-16 ZINC
40	400-20050	PIN,SPRING,ROLL,5/16" X 1-3/4", PLAIN STEEL
54	308-14265	NUT,HEX,1/4-20,NYLOCK ZINC
71	304-11125	SSCR,CUP PT,HXS,10-32X.25 SS
74	316-11835	WASHER,FLT,#10 SS
75	318-14963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

# COMPACT PORTABLE REEL (CPR) FOOTAGE COUNTER ENGLISH



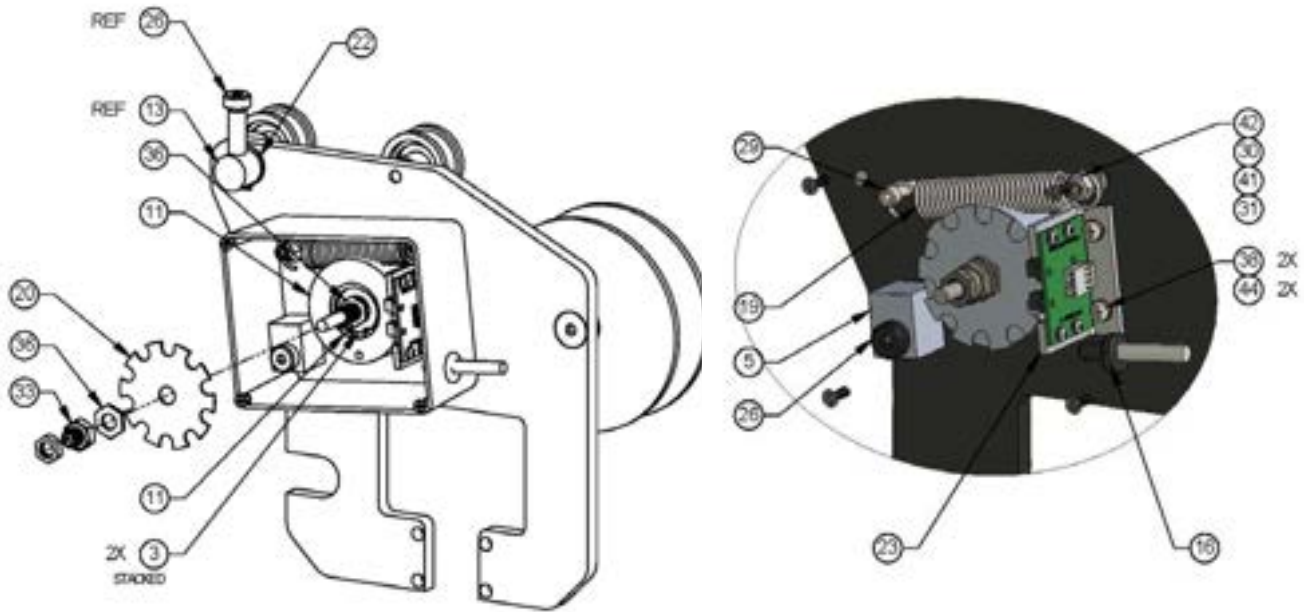
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-19495	FOOTAGE COUNTER, ENTIRE ASSEMBLY
1	403-19702	SPACER,ROLLER,CPR
2	443-19707	ROLLER,GUIDE,TOP,1.5",CPR
3	404-12482	BEARING,BALL,1.181OD,.394BORE
7	443-19713-21	WHEEL,FOOTAGE COUNTER,CPR,HARD CLEAR ANODIZE
8	402-19720	POST,ROLLER GUIDE,OUTPUT,CPR
10	407-17328	SHAFT,WHEEL,COUNTER,ENGLISH,CPR
13	448-19732	PIVOT,ROLLER,GUIDE,CPR
14	410-20001	RING,SNAP,INT,1.18"
18	449-15325	ROLLER,GUIDE,POLYURETHANE
21	410-13006	RING,SNAP,EXT,.625
24	474-16008	SHIM,WASHER,.630 X .875 X .048T,SS
26	305-11716	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 1 ALLOY STEEL
27	305-11834	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 3/4
32	403-19762	SPACER,ROLLER,PIVOT,CPR
34	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
40	304-11243	SSCR,CUP PT,HXS,10-32X.37,SS
46	317-13291	WASHER,FLT,.750X1.250X.031 TEFLON

# COMPACT PORTABLE REEL (CPR) FOOTAGE COUNTER ENGLISH



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
9	451-19724	BLOCK,MTG,COUNTER,CPR
15	606-11516	HOSE,RUBBER,VACUUM,5/32"
17	867-20485	COUNTER,MECHANICAL,5 DIGIT,10CTS <b><u>INCLUDES ADAPTER ITEM #35</u></b>
25	474-12204	SHIM,WASHER,3/8 X 5/8 X .030T,SS
28	301-11948	MSCR,FLT,PHH,6-32X.37,UNDERCUT SS
35	408-12425	ADPTR,SHAFT,FOOTAGE COUNTER
37	301-11122	MSCR,PAN,PHH,4-40X.37 SS
39	301-13685	MSCR,PAN,PHH,10-32X.50 SS
43	318-14498	WASHER,LKG,#4,INT TOOTH SS
45	318-14788	WASHER,LKG,#10,INT TOOTH SS

# COMPACT PORTABLE REEL (CPR) FOOTAGE COUNTER ENGLISH



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	404-12482	BEARING,BALL,1.181OD,.394BORE
5	451-19711	BLOCK,PIVOT,CNTR,CPR
11	451-21007	RETAINER,BEARING,SUPPORT,SHAFT,FTG CNTR,CPR
13	448-19732	PIVOT,ROLLER,GUIDE,CPR
16	449-15089	GROMMET,RUBBER,1/4ID 7/16 HOLE
19	446-14157	SPRING,WHEEL TENSION,FOOTAGE COUNTER
20	443-13810	WHEEL,SENSOR,FOOTAGE COUNTER
22	410-13180	RING,SNAP,EXT,.750
23	806-18586	ASSY,HARNES,FOOTAGE ENCODER,W/CABLE, W/BRKT
26	305-11716	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 1 ALLOY STEEL
29	301-11536	MSCR,SHCS,10-32X1 SS
30	301-13913	MSCR,FLT,PHH,10-32X.75 SS
31	317-14382	WASHER,FLT,#10,.19T NYLON
33	505-10486	SHAFT LOCK,1/4"
36	505-19289	BUSHING,MTG,POT SHAFT-DIAL
38	301-12533	MSCR,PAN,PHH,8-32X.25 SS
41	309-12537	NUT,HEX,10-32 SS
42	309-13575	NUT,HEX,10-32,NYLOCK SS
44	318-14730	WASHER,LKG,#8,INT TOOTH SS

# PRIVATE EYE II



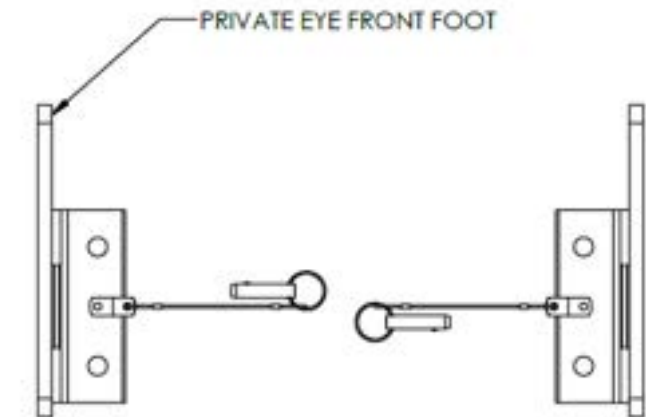
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	863-43991	ASSY,CONTROLLER,SPEED,MOTOR,PRIVATE EYE 2,V2
	806-19960	CABLE,FOOTAGE,4 PIN, F-F, 4'

1



# PRIVATE EYE II FLOOR MOUNT KIT

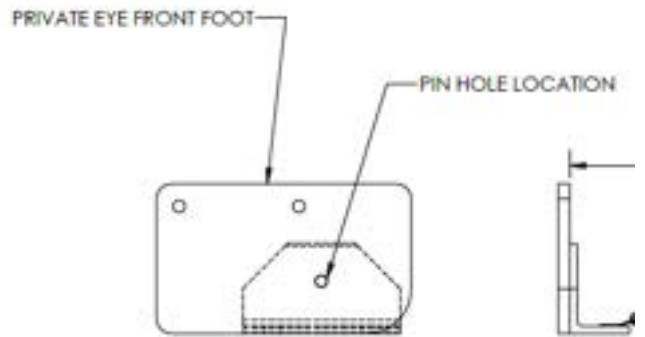
ITEM #	PART #	DESCRIPTION
1	840-43596	FLOOR MTG KIT



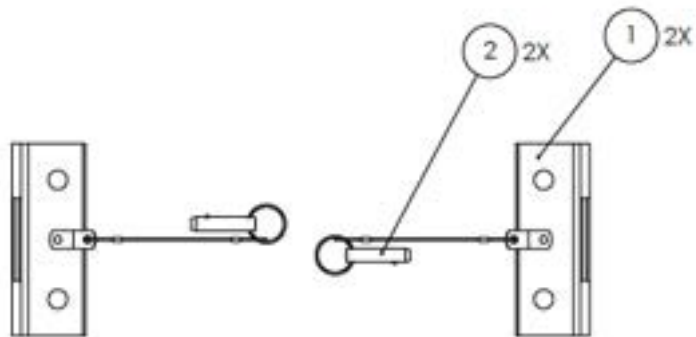
TOP VIEW



FRONT VIEW

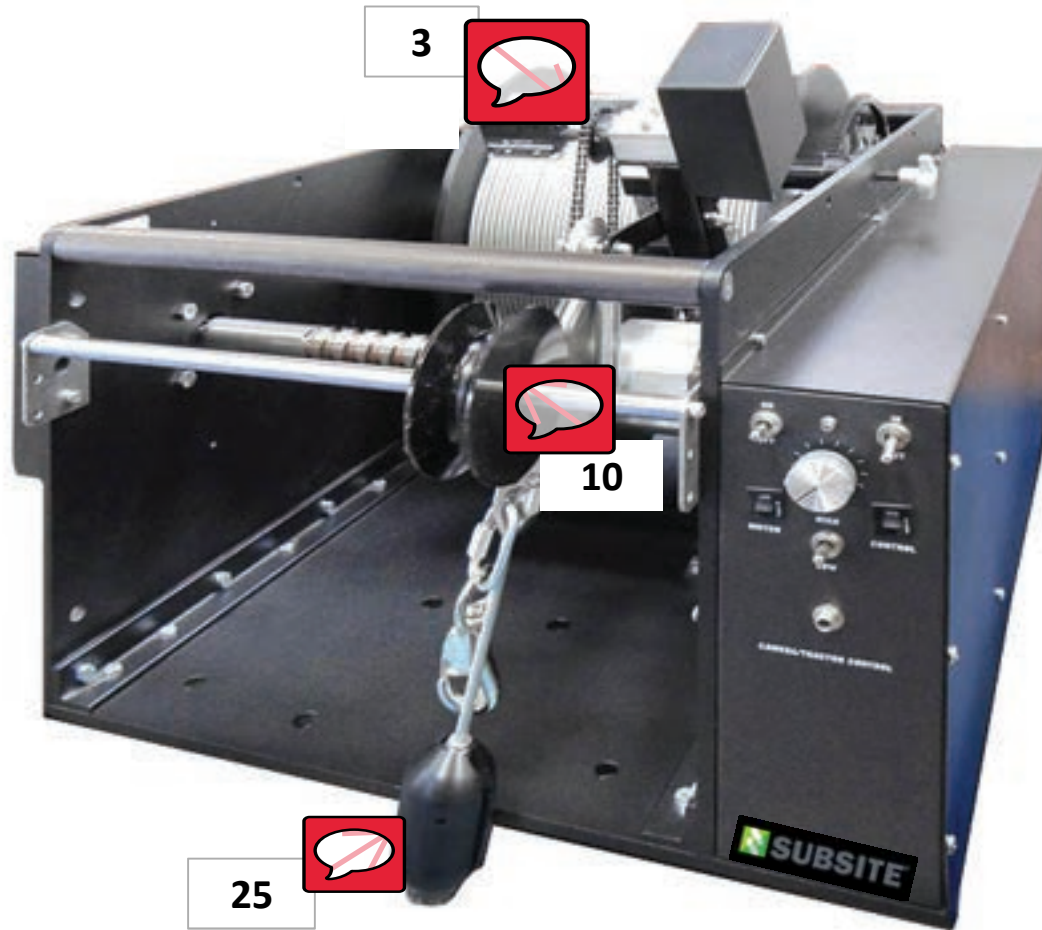


SIDE VIEW



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 KIT SECTION PG XX

# MAINLINE REEL

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



**1**




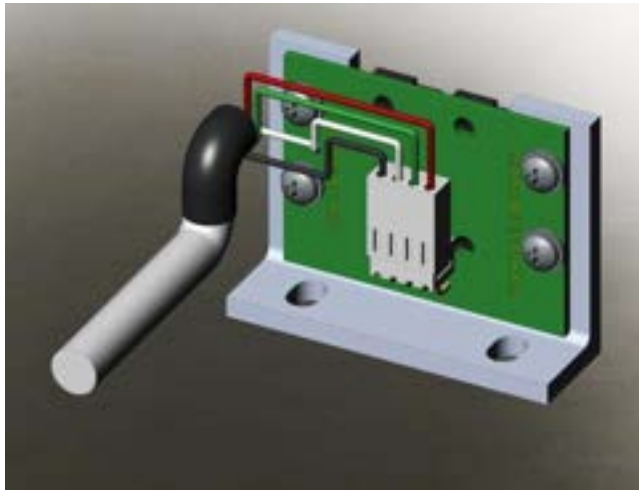
**2**



**3**

ITEM #	PART #	DESCRIPTION
<b>20</b>	806-18586	ASSEMBLY FOOTAGE ENCODER HARNESS <u>WITH CABLE &amp; BRACKET</u>

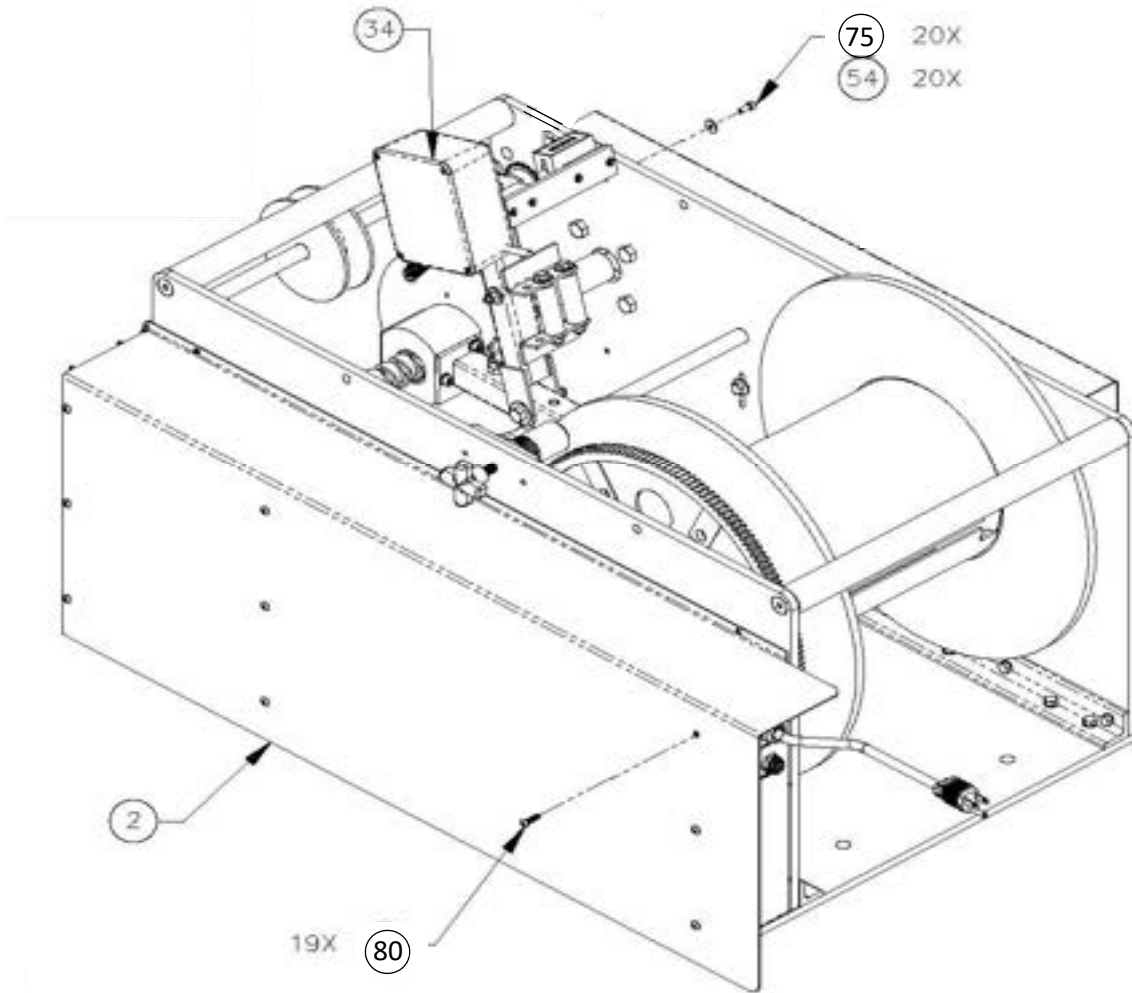



**CALL TECH SUPPORT FOR IMPORTANT INSTALLATION INFORMATION**

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

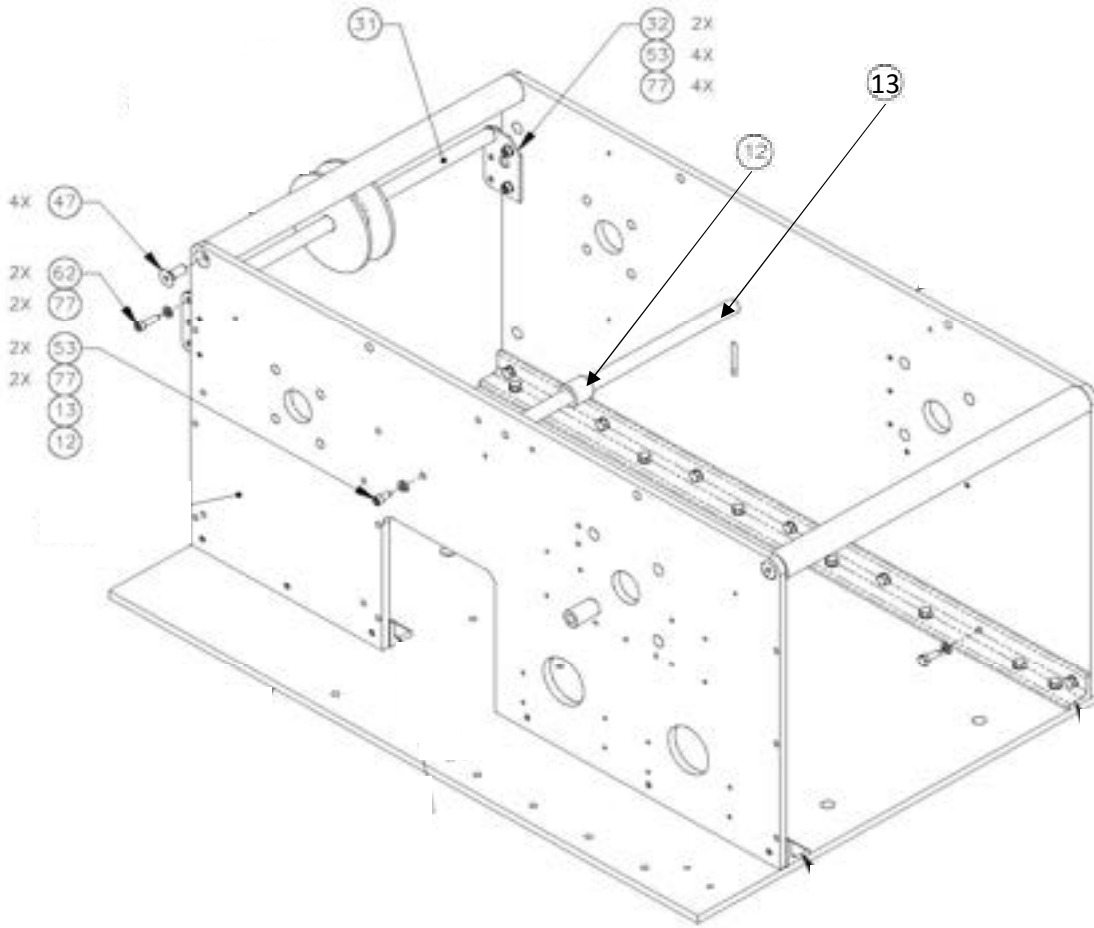


# MAINLINE REEL



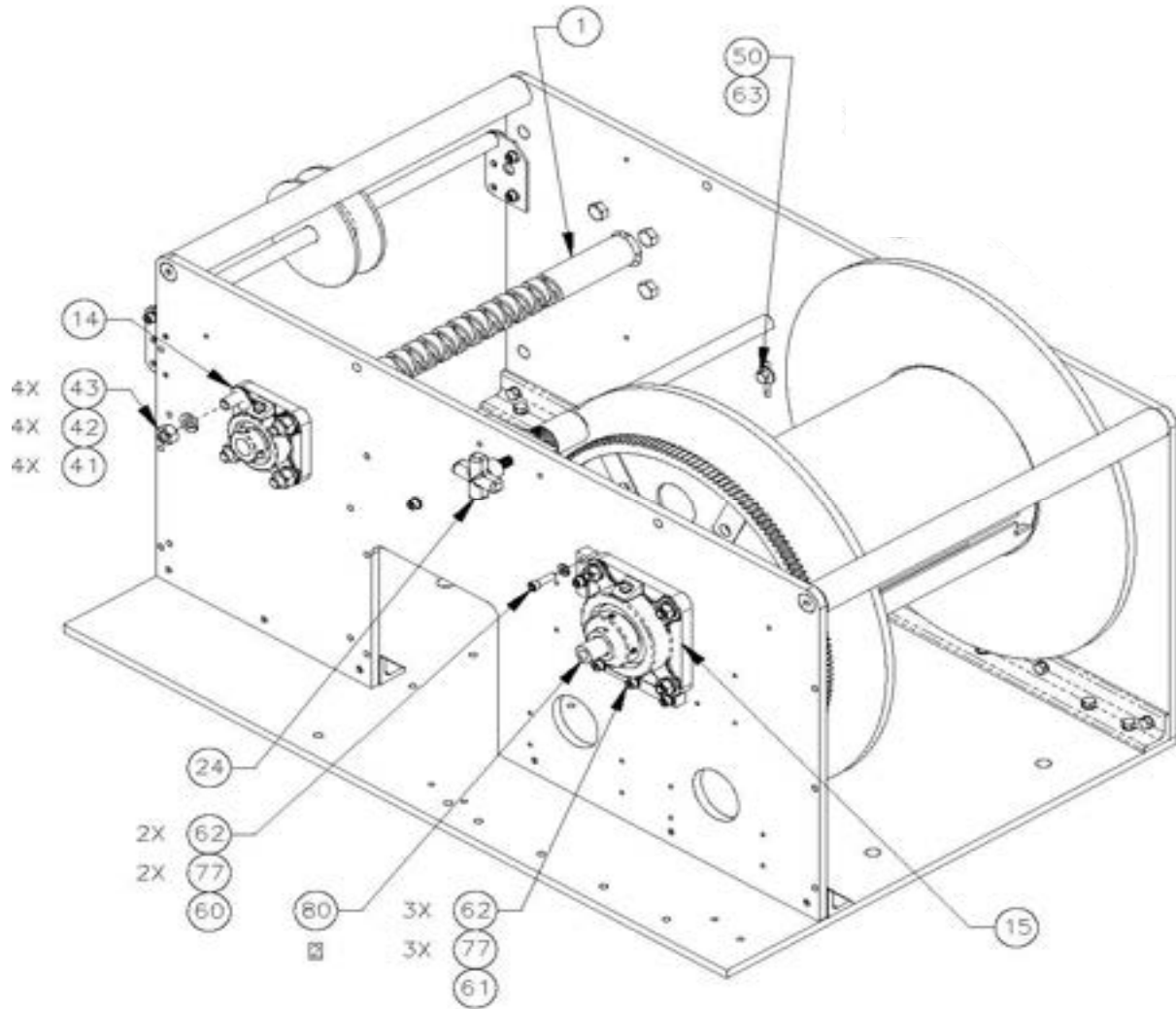
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
2	453-11906-31	COVER,SIDE RH,MLCR,BLACK
34	867-13684	ASSY,COUNTER,FTG,LEVEL WIND,STANDARD,MLCR
54	316-11835	WASHER,FLT,#10 SS
80	303-13573	TSCR,PAN,PHH,10X.75,SMS ZINC
75	301-11241	MSCR,SHCS,10-32X.50 SS

# MAINLINE REEL



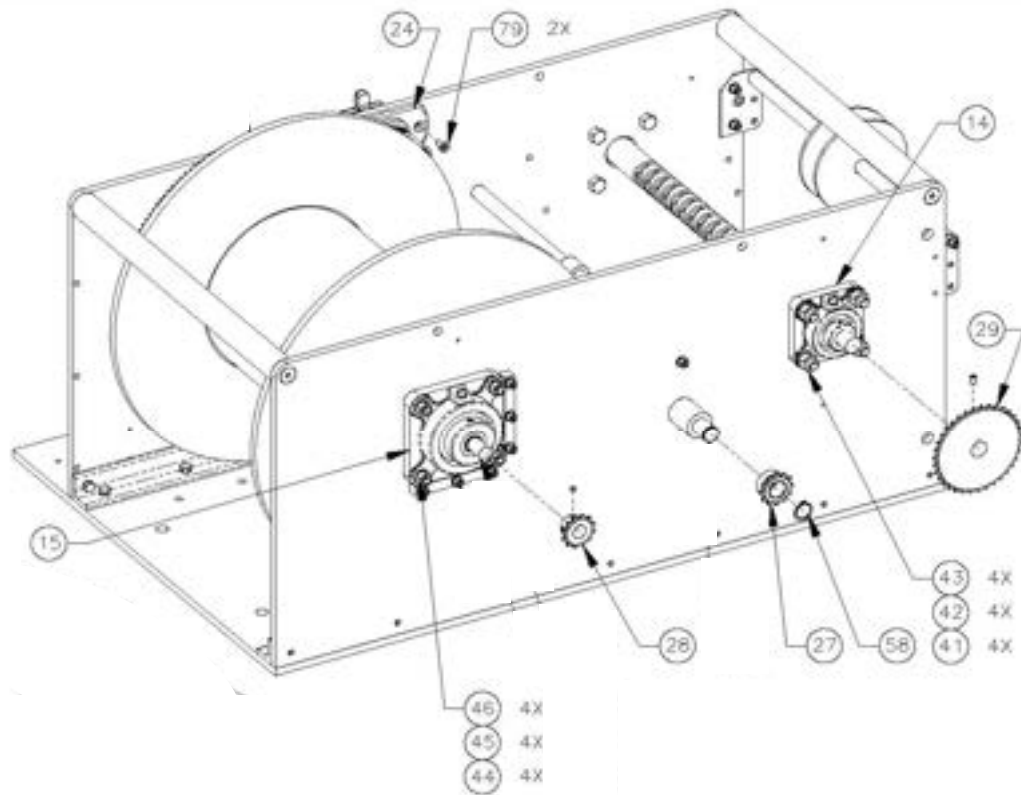
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
12	405-15319	BUSHING,TORQUE ARM
13	407-15497	SHAFT,TORQUE ARM,17.00 IN
31	407-37799	SHAFT,ROLLER,GUIDE,16.75"
32	453-37798	BRKT,MTG,SHAFT,ROLLER,GUIDE
47	301-11595	MSCR,FLT,HXS,3/8-16X1 SS
53	301-10651	MSCR,SHCS,1/4-20X.50 SS
62	301-15608	MSCR,SHCS,1/4-20X.87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

# MAINLINE REEL



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
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



ITEMS 59 AND 70  
NOT SHOWN FOR CLARITY

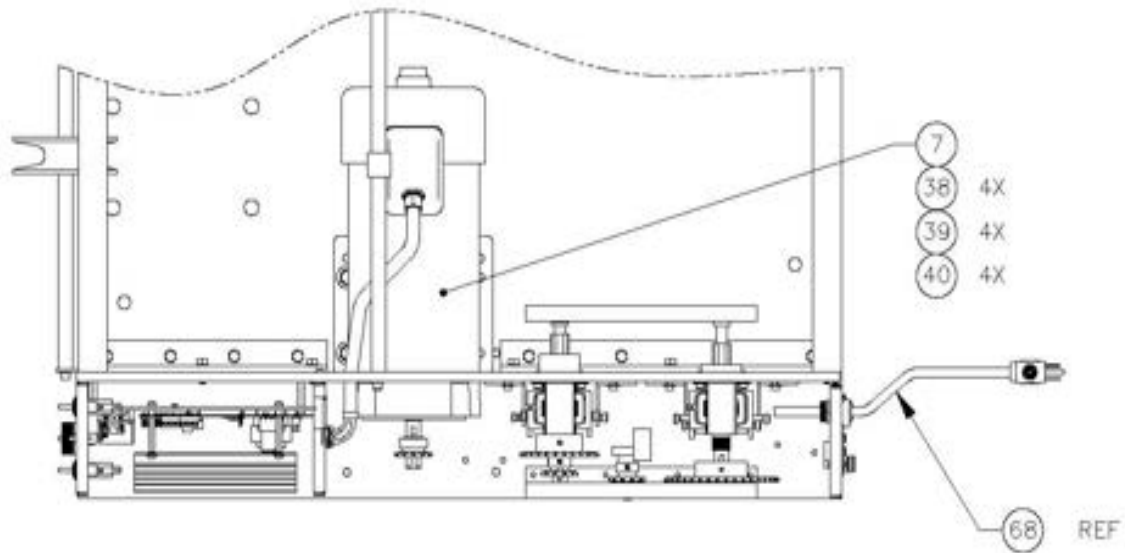
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
14	404-14094	BEARING,FLANGE,3/4",4 BOLT W/SAE SET SCREW
15	404-14036	BEARING,FLANGE,1-1/4" 4 BOLT W/SAE SET SCREW
24	805-12469	ASSY,DRAG BRAKE,MLCR (PART BREAKDOWN ON FOLLOWING PAGE)
27	805-11368	ASSY,SPRKT,CHAIN TENSIONER,MLCR
28	441-14677	SPRKT,35PITCH,12TOOTH,HUB,SSCR,5/8"
29	441-14410	SPRKT,35PITCH,35TOOTH,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

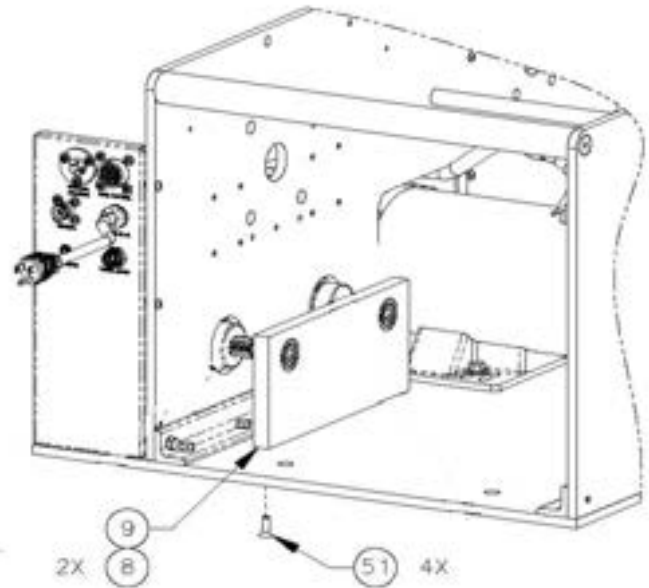
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
<b>24</b>	<b>805-12469</b>	<b>DRAG BRAKE ASSY</b>	KIT COMP
<b>006</b>	446-13983	SPRING, COMPRESS, 2-3/8" L, 12.6 LBS	1
<b>007</b>	446-14041	SPRING, DRAG BRAKE, OUTER	1
<b>002</b>	448-11430	FOLLOWER, DRAG BRAKE	1
<b>001</b>	448-11548	PAD, DRAG BRAKE, 1.0" O.D., DELRIN	1
<b>003</b>	805-19193-31	ASSY, HOUSING, DRAG BRAKE, BLK PWDR COAT	1



# MAINLINE REEL

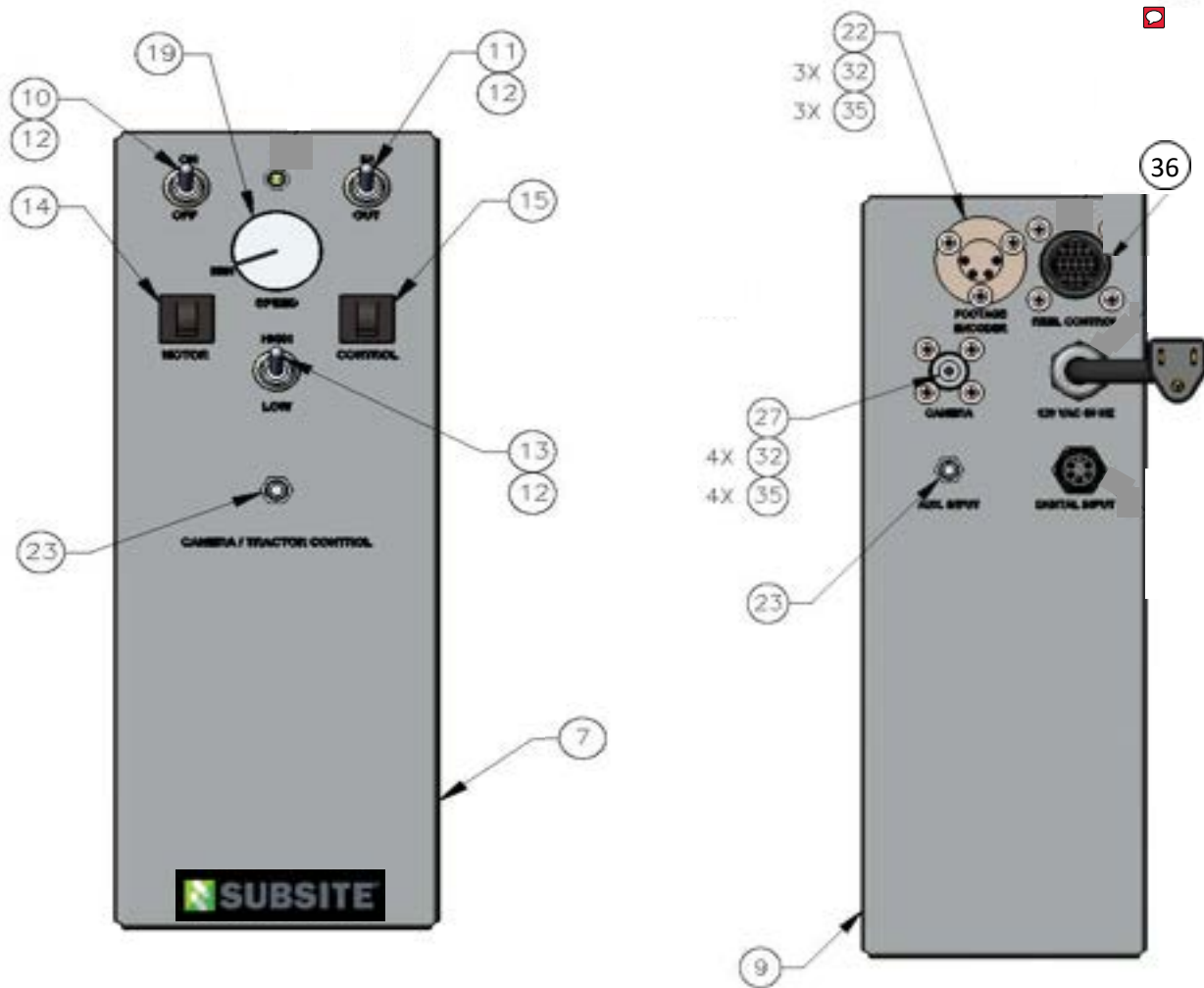


<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
7	635-13163	MOTOR,90VDC,3/4HP,8.2A,1725RPM,56C
38	301-15548	MSCR,HEXHD,5/16-18X.75 SS
39	318-14904	WASHER,LKG,.31(5/16),HELICAL SS
40	316-11953	WASHER,FLT,.312 SS



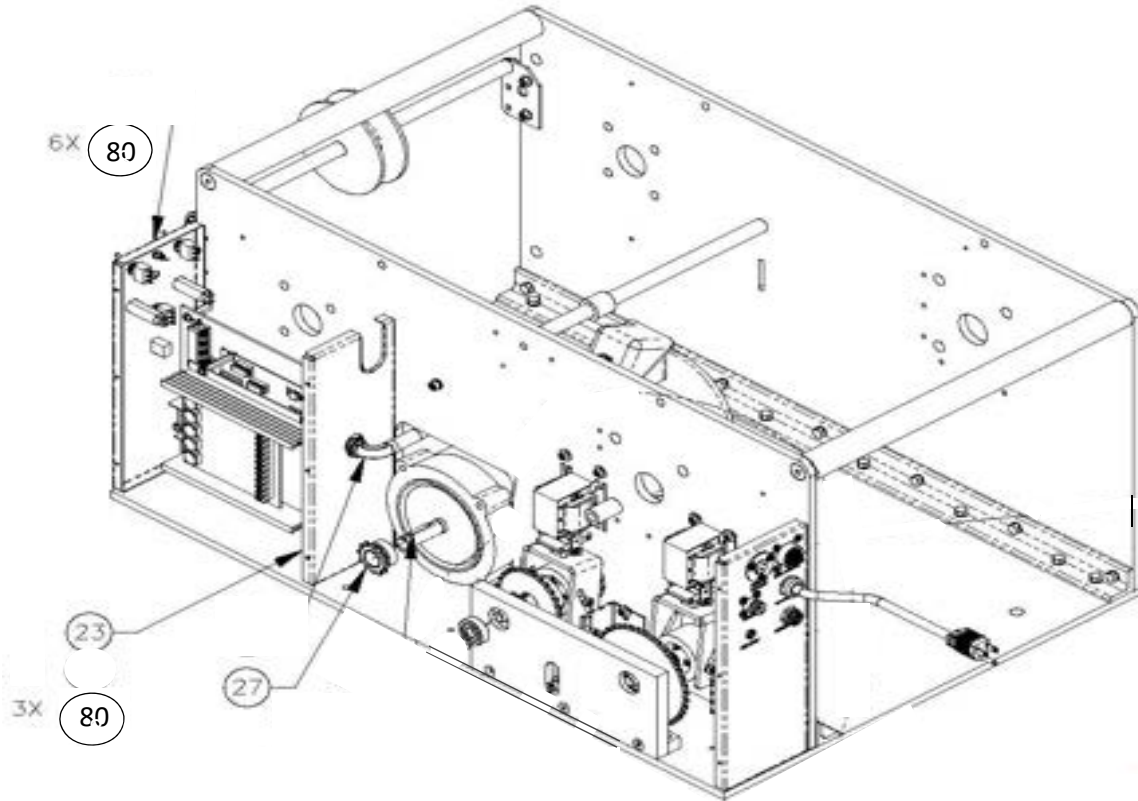
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
8	404-14210	BEARING,BALL,1.26OD, .472 BORE, .394W, SEALED
9	451-12141-31	BLOCK,PINION BEARING,INNER,4.5" TALL,BLK PWDR CT
51	301-11183	MSCR,FLT,HXS,1/4-20 X .75 SS

# MAINLINE REEL



ITEM #	PART #	DESCRIPTION
7	453-12668-43	FRONT PANEL
9	453-12726-43	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"X 9/16" HOLE
15	529-10502	CIRCUIT BREAKER,3A,PNL MT
19	447-10663	KNOB,ALUM,.25SHAFT,1.25DIA,.63H
22	556-10977	CONN,JACK,4PIN,PANEL MT,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'

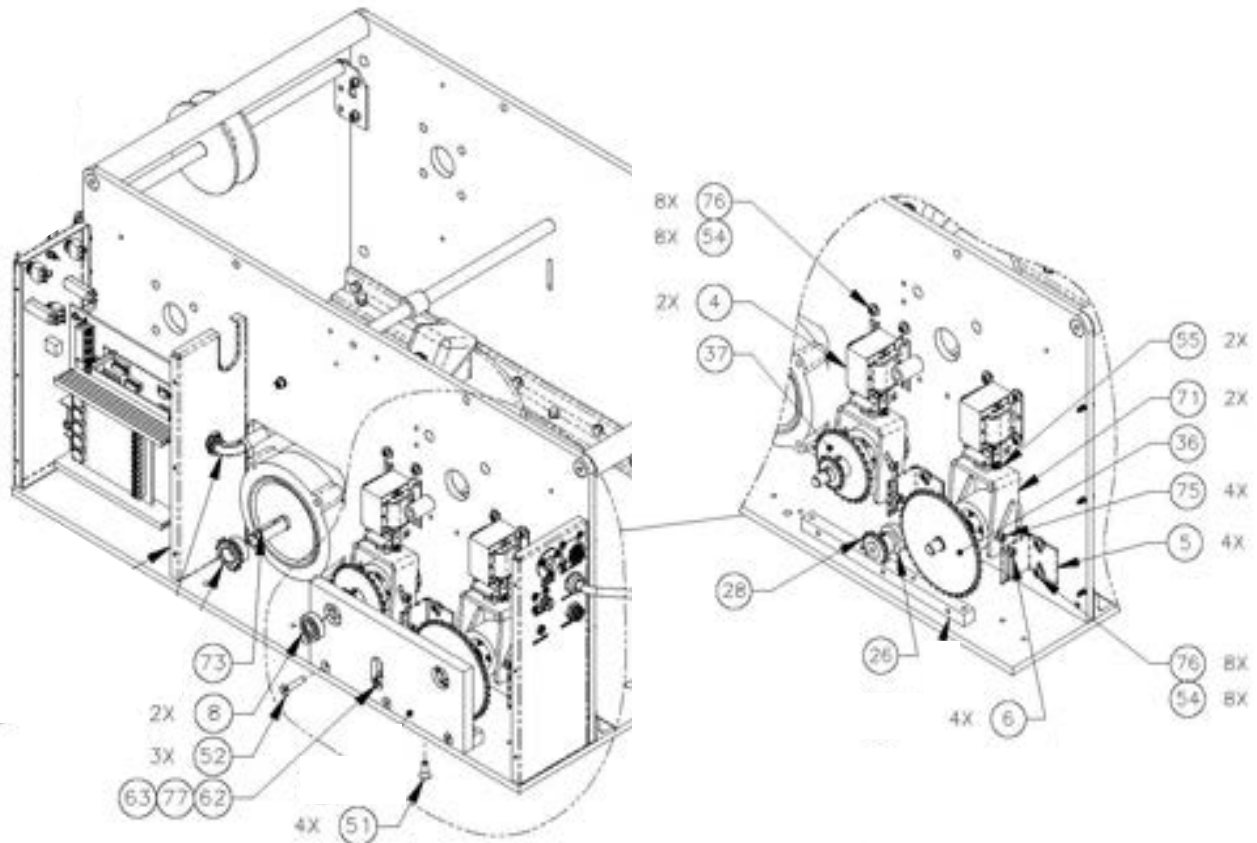
# MAINLINE REEL



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

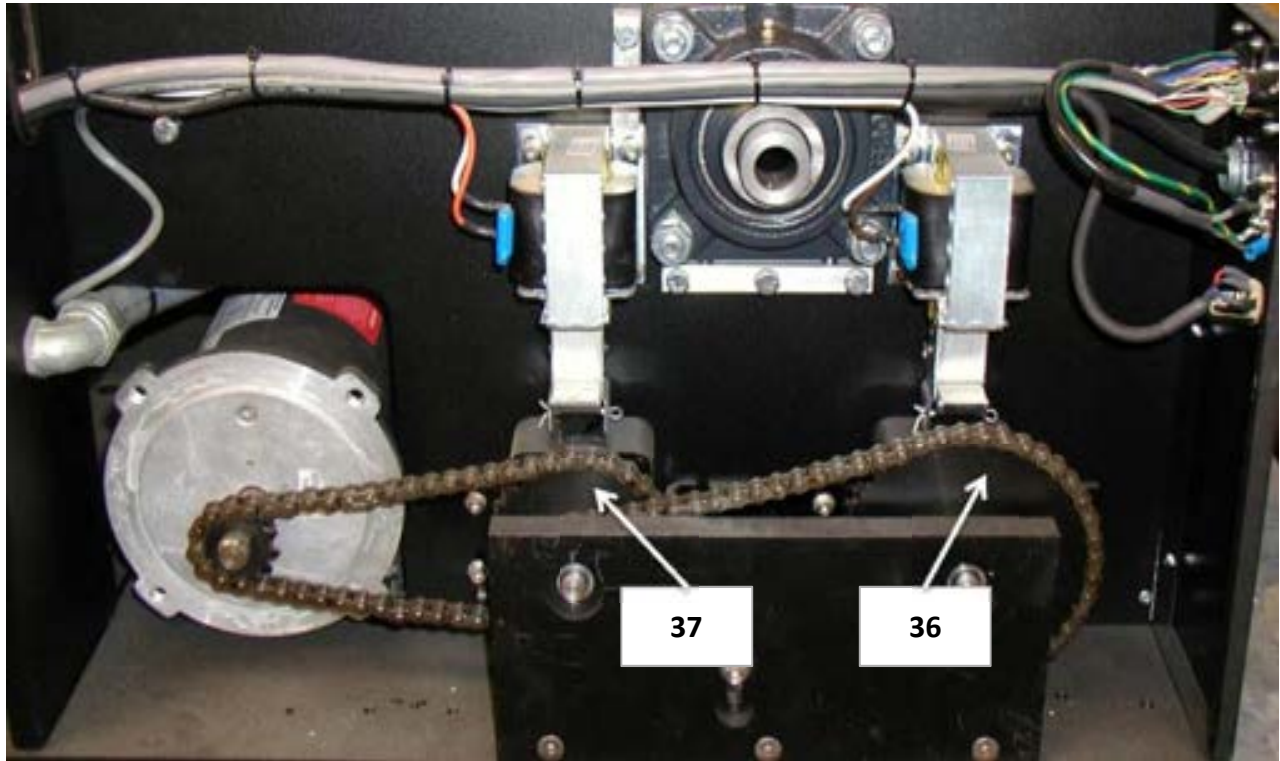


# MAINLINE REEL

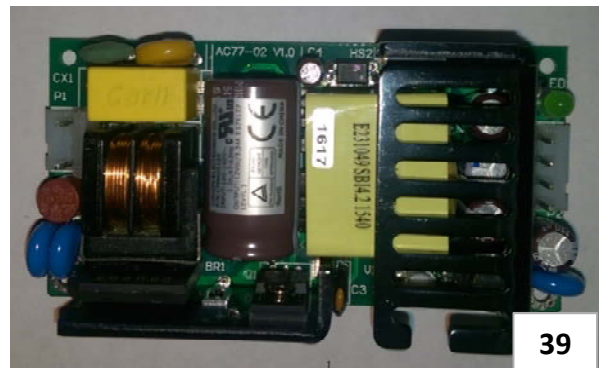


<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
4	543-10858	SOLENOID,120VAC,6.5 OHM,PULL TYPE
5	451-10487	BRKT,GUIDE,ENGAGEMENT CAM,M/L REEL
6	305-11126	BOLT,SHLDR,SKT HD,10-24,1/4 X 1/2
8	404-14210	BEARING,BALL,1.26OD,.472BORE,.394W,SEALED
26	407-11779	SHAFT,CHAIN TENSIONER,PINION SIDE
28	441-14677	SPRKT,35PITCH,12TOOTH,HUB,SSCR,5/8"
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

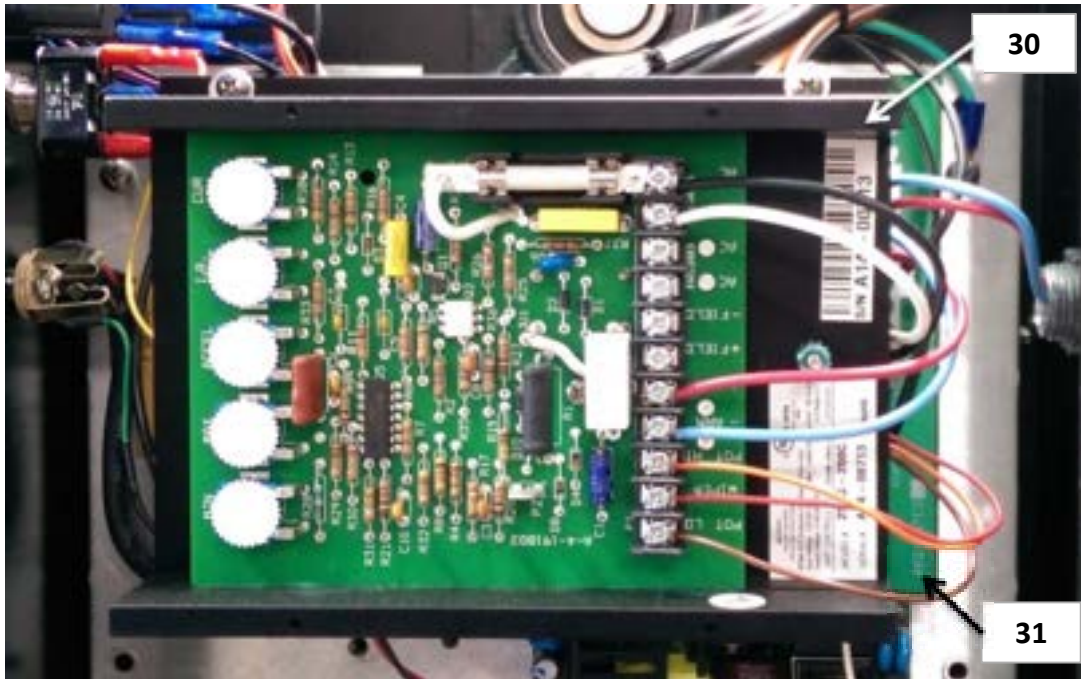
# MAINLINE REEL



ITEM #	PART #	DESCRIPTION	QTY
<b>36</b>	<b>805-14140</b>	<b>LOW SPEED</b> BENDIX ASSEMBLY (WITH 1 SPROCKET)	COMP KIT
<b>37</b>	<b>805-14198</b>	<b>HIGH SPEED</b> BENDIX ASSEMBLY (WITH 2 SPROCKETS)	COMP KIT
	441-11191	CHAIN #35 PITCH (24" FOR LOW / 20" FOR HIGH)	
<b>38</b>	548-32556	PWR SPLY,12VDC, OPEN FRAME (OLD STYLE)	
<b>39</b>	548-35924	PWR SPLY,SWITCHING,12V@3.2A,40W (NEW STYLE)	
	548-40288-1	PWR SPLY, 12V@2.5A, 30W	



# MAINLINE REEL ELECTRICAL PARTS



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
30	863-10905	CONTROLLER, MOTOR SPEED
31	861-33713-34	SMART BOARD, PCB CONTROLLER
	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, ½ MTG HOLE
	529-11682	FUSE, 10-AMP, MOTOR CONTROL BOARD

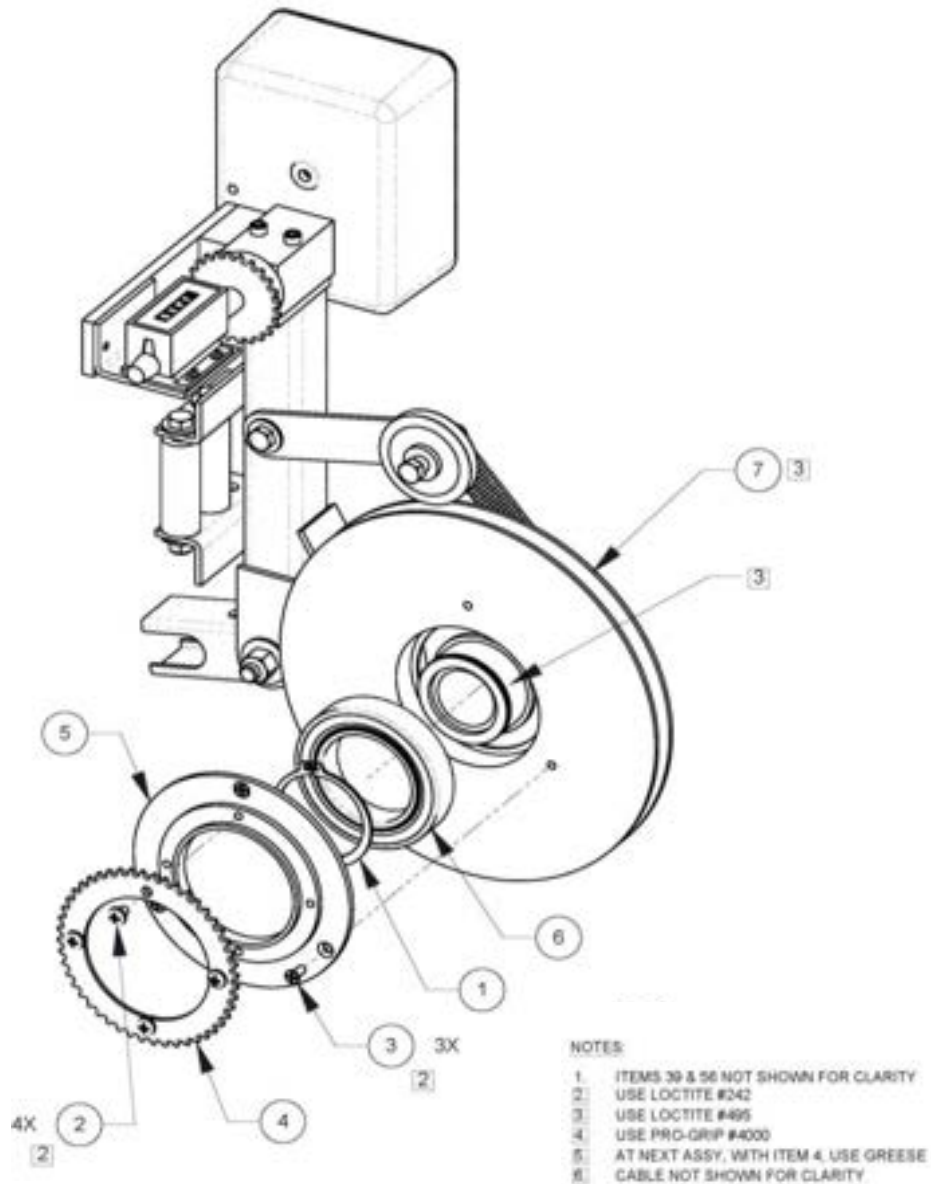
## SLIP RING PARTS

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	560-17860	SLIP RING CAP (3 SOLDER TABS)
2	806-31703	ASSY, HARNESS, 3 COND
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, STD



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	<b>867-13684</b>	<b>ASSY,COUNTER,FTG,LEVEL WIND,STANDARD,MLCR</b>
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,3.149OD,1.968BORE,.63W,SEALED
7	443-13753-21	WHEEL,COUNTER, FOOTAGE,HARD CLEAR ANODIZED



# MAINLINE REEL

## FOOTAGE COUNTER ASSEMBLY - LEVEL WIND, STD

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
8	449-15089	GROMMET,RUBBER,1/4ID 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	HARNES,FOOTAGE ENCODER,W/CABLE, W/BRKT
48	318-14788	WASHER,LKG,#10,INT TOOTH SS
51		SHAFT LOCK,1/4" & BUSHING SOLD TOGETHER, FOOTAGE WHEEL
52	505-42200	ITEMS 51 & 52 SOLD TOGETHER AS ONE PART
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

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

38

49

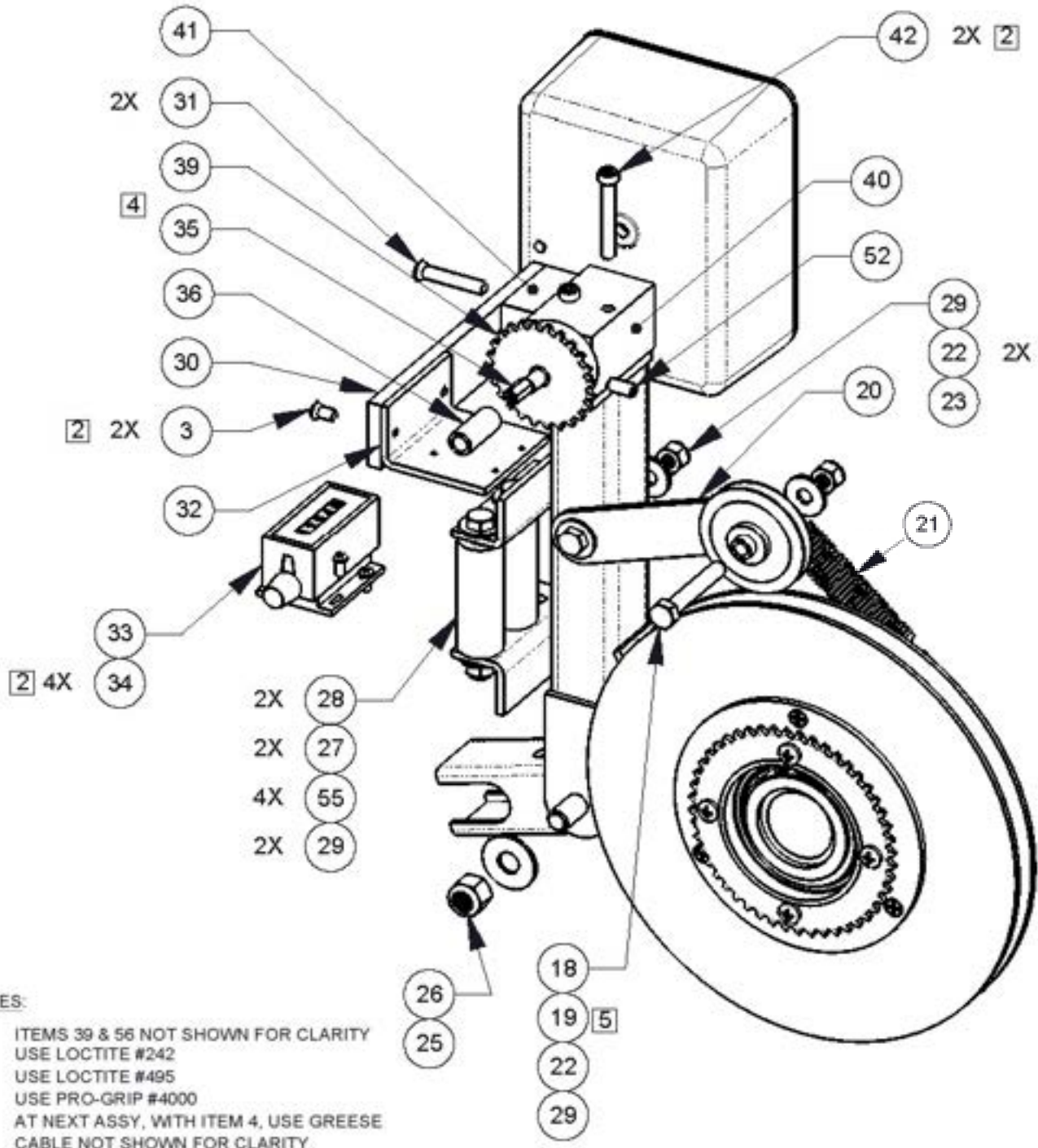
51

52

53

**505-42200**

# MAINLINE REEL FOOTAGE COUNTER ASSEMBLY - LEVEL WIND, STD 867-13684 COMPLETE ASSEMBLY



**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, STD

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
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,HEXHD,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,24TOOTH
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 TRANSPORTER

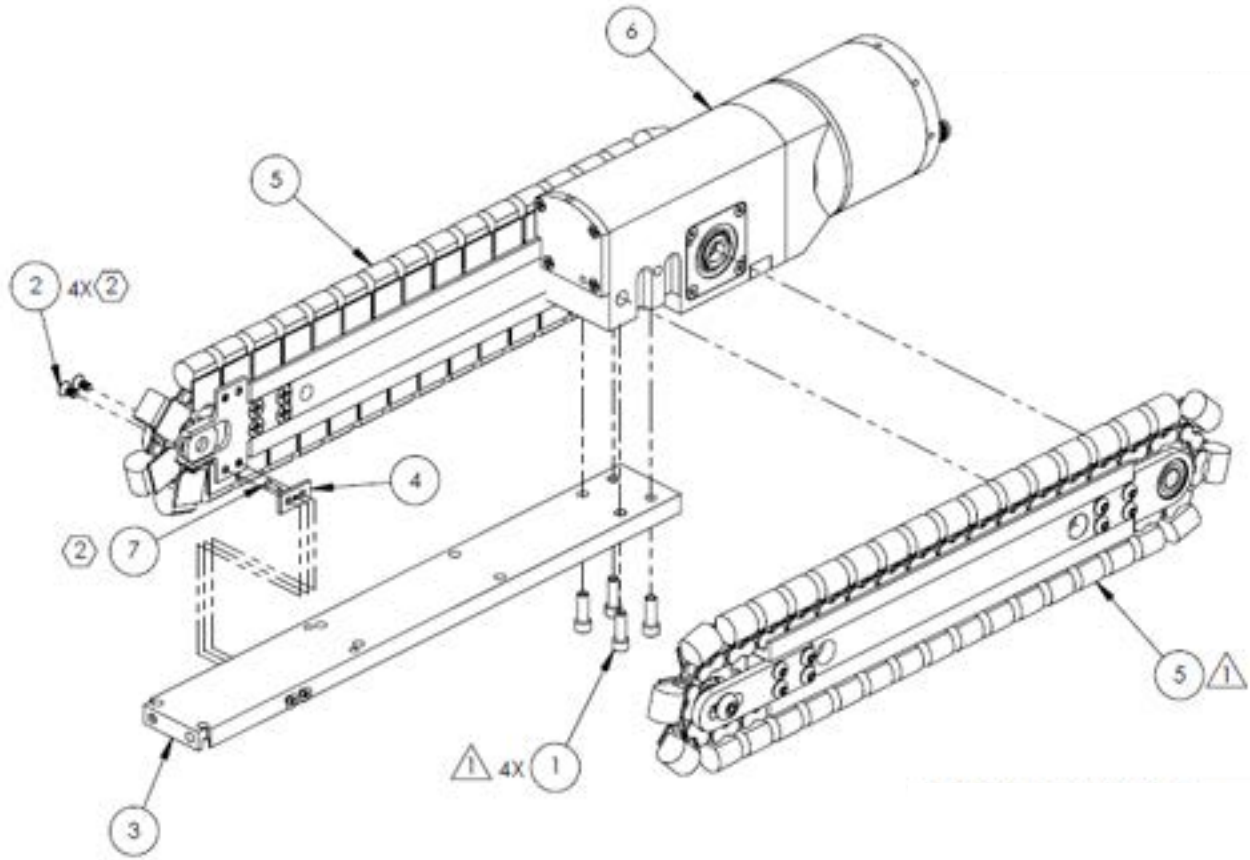


SHOWN WITH TRAKSTAR CAMERA

## PROTRAK TRANSPORTER PARTS

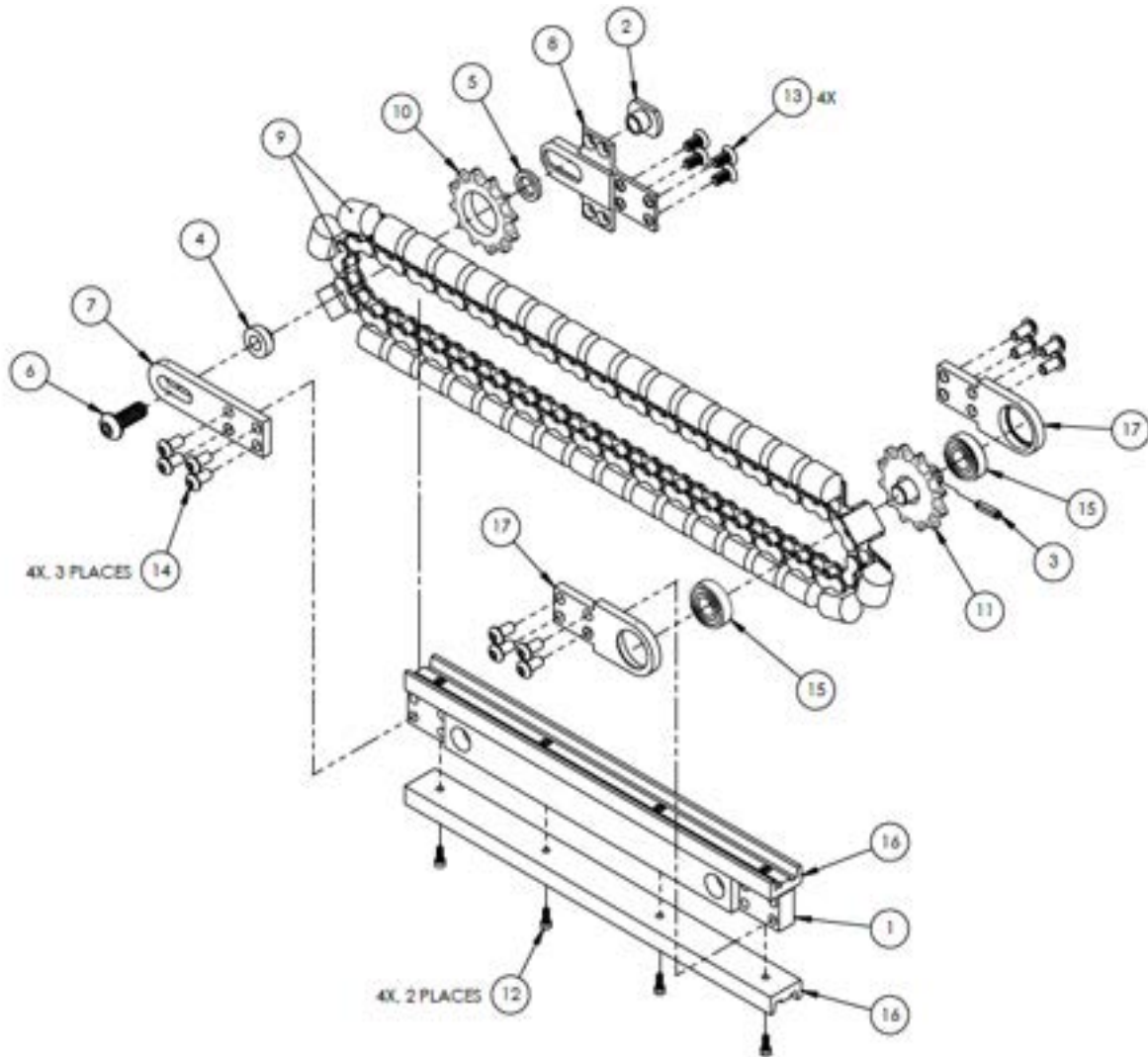
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	450-36321	SKID, TOP MOTOR
2	450-36322	SKID, SIDE MOTOR
3	867-36597	BRIDLE
5	449-36317	BRIDLE CLAMP
4	301-19935	MSCR,SHCS,6-32 X 0.375, SS
	806-34469-24	CAMERA CABLE, 6 PIN TO 4 PIN EUROFAST
	806-38138-24	CABLE,4SKT FEM(EURO)-4PIN MALE(EURO) 24"

# PROTRAK TRANSPORTER 6" CONFIGURATION



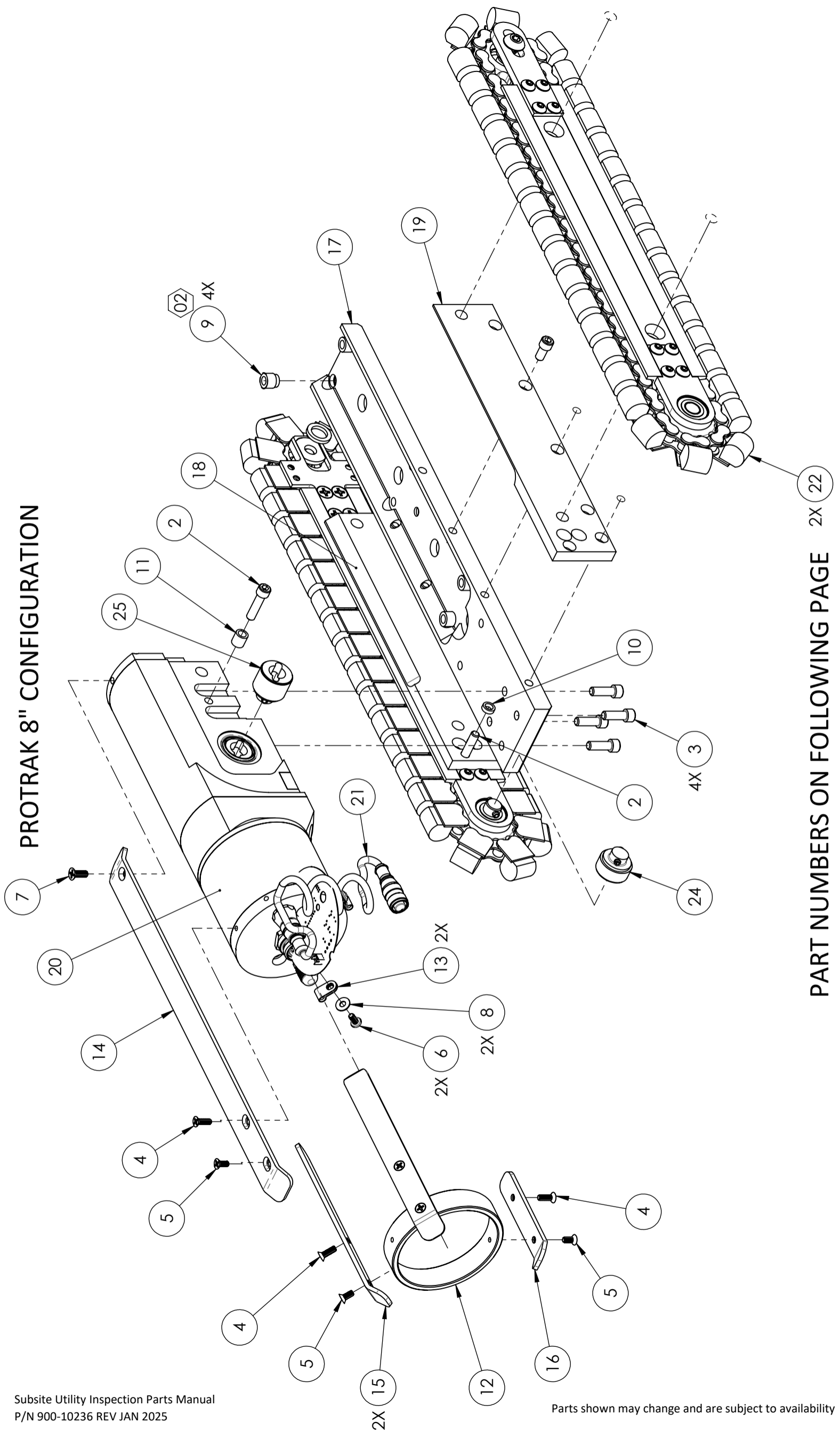
<b>ITEM #</b>	<b>PART #</b>	<b>DESCRIPTION</b>
	840-36568	KIT, 6" CONFIGURATION (INCLUDES ITEMS 1,2,3,4,7)
1	301-10887	MSCR,SHCS,1/4-20X.75 SS
2	301-15136	MSCR,FLT,PHH,10-32X.37 SS
3	451-36329	PLATE,BASE,6",PTC
4	474-39392	SHIM,RT TREAD TO BASE,PROTRAK
5	866-36641	ASSY,TREAD DRIVE,PTC
6	805-37256	ASSY,MOTOR/GEARBOX,6PIN,SC,PTC,V2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

# PROTRAK TRANSPORTER



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	451-24038	TRACK RAIL,SHORT,CR8/PTC
2	311-36327	NUT,LOCK,ADJ,TENSION,TREAD,PTC
3	400-30918	PIN,SPRING,ROLL,3/16 X .11/16",420 SS"
4	403-24111	SPACER,SPKT,IDLER,TREAD DRIVE,CR8/PTC
5	403-36328	SPACER,.750"OD X .505"ID X .11W,303
6	305-36846	MSCR,BTNHD,HXS,3/8-16 X 1.00,18-8SS
7	453-24111	PLATE,MTG,SPKT,IDLER,TREAD DRIVE,PTC/CR8
8	453-36326	PLATE,MTG,SPRKT,IDLER,TREAD DRIVE,PTC
9	867-24026	CHAIN PAD LINK ASSY
10	805-31508	ASSY,SPKT,IDLER,TREAD DRIVE,CR8/PTC
11	805-24114	ASSY,SPRKT,DRIVE,TREAD DRIVE,CR8/PTC
12	301-19935	MSCR,SHCS,6-32X.375, SS
13	301-36835	MSCR,FLT,PHH,1/4-20X.50,UNDERCUT SS
14	305-30661	MSCR,BUTTON,HXS,1/4-20X.50,SS
15	404-13120	BEARING,BALL,1.125OD,.500BORE,.312 WIDE,
16	449-24013	GUIDE,CHAIN,CRAWLER,SHORT,8",CR8/PTC
17	453-24112	PLATE,MTG,BUSHING,DRIVE,TREAD DRIVE,CR8/

# PROTRAK 8" CONFIGURATION



PART NUMBERS ON FOLLOWING PAGE 2X 22

# PROTRAK TRANSPORTER

<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" X 3/8" X .39"L
12	410-19071	RING,PROTECTOR,TNC & PIGTAIL,M/L TRACTOR
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,6PIN,SC,PTC,V2
21	806-38138	CABLE,4SKT FEM(EURO)-4PIN MALE(EURO),13.5" +.5"/-0
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"

# PROTRAK TRANSPORTER ACCESSORIES KIT

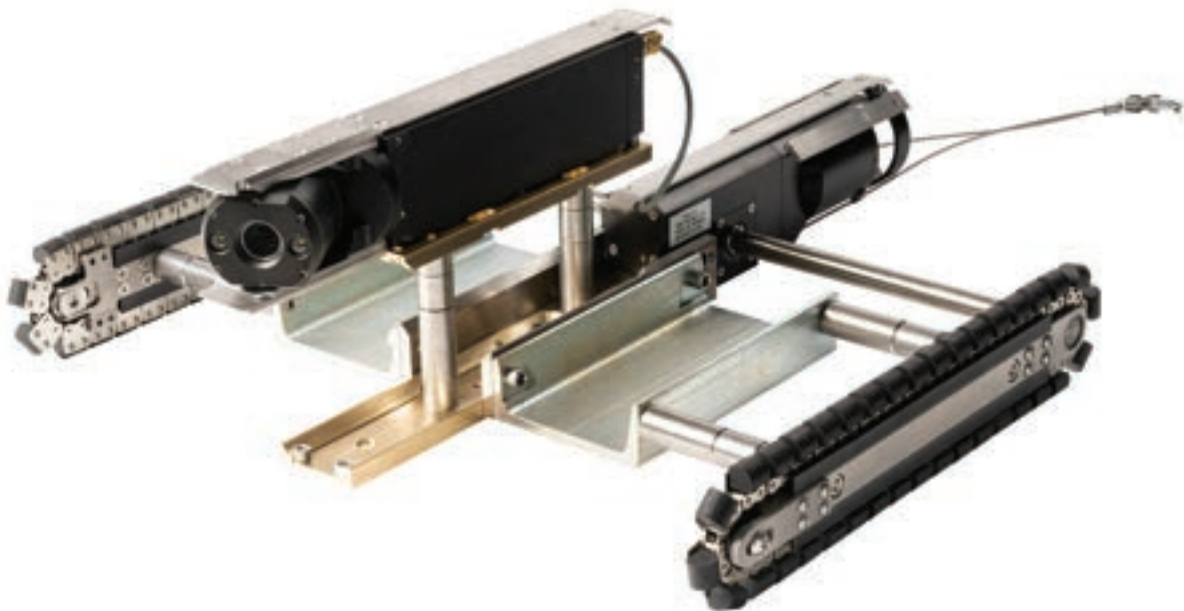


ITEM #	PART #	DESCRIPTION	QTY
<b>840-37258 KIT, ACCESSORIES, PROTRAK V2, 8-15</b>			<b>COMP. KIT</b>
021	867-24119	ASSY,SPACER,2.38"L,EXTENSION,8"CRAWLER/PTC	4
022	867-24118	ASSY,SPACER,1.25"L,EXTENSION,8"CRAWLER/PTC	4
023	867-31668	ASSY,PLATE,MTG,CAMERA,CRAWLER,8-15",SHORT	1
030	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC 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	INFORMATION SHEET,EXTENSION,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,3/8-16X1.0 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

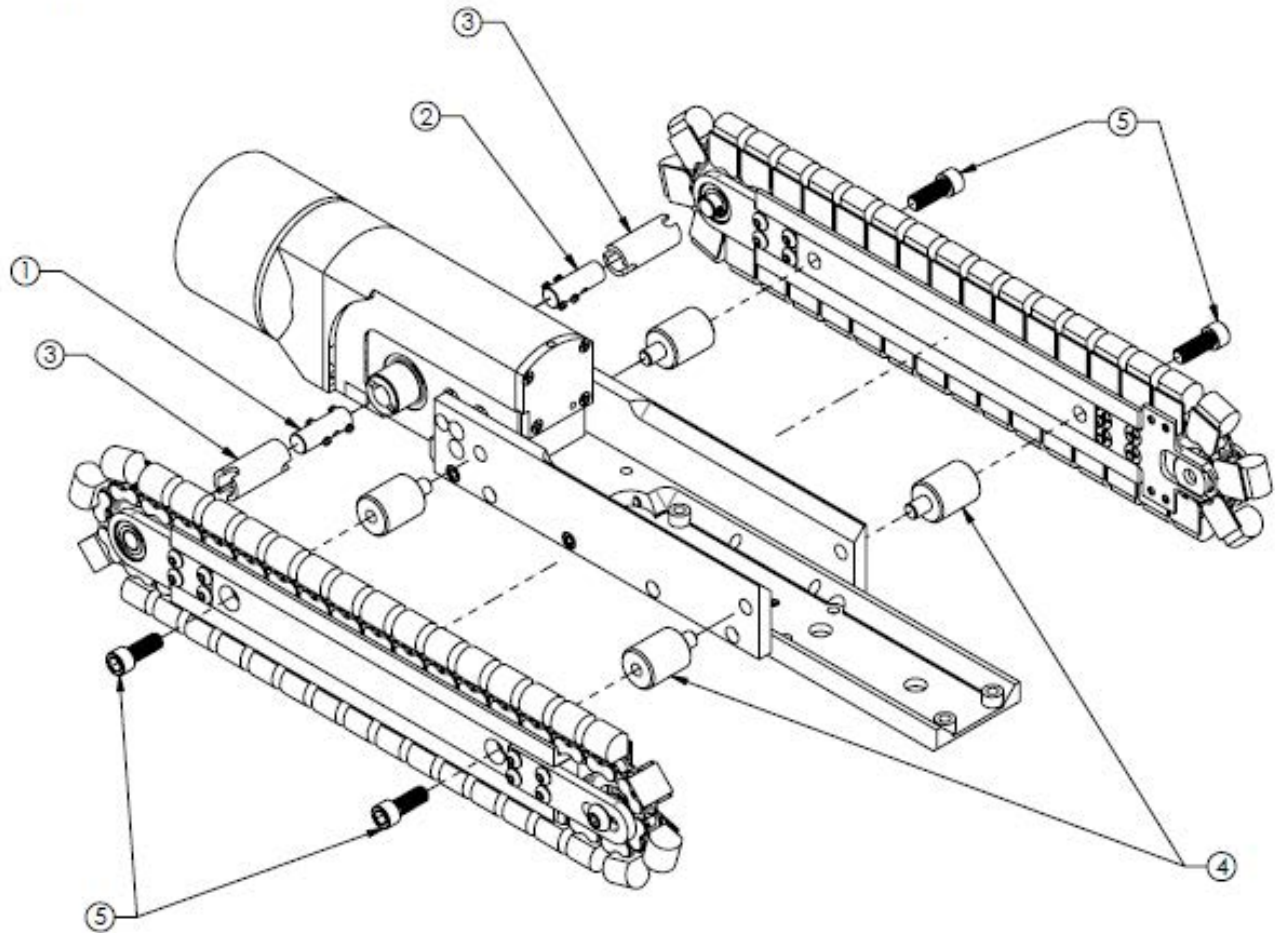
# PROTRAK TRANSPORTER ACCESSORIES KIT

## ProTrak 18-30" Extension Kit

<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
840-37276	ENTIRE KIT	1
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,3/8-16 X 0.75 SS	4
867-24118	ASSY,SPACER,1.25"L,EXTENSION,8"CRAWLER/P	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 INCH	2
867-33067	ASSY,RISER,CAMERA,1"L,8"CRAWLER/PTC	4
301-24105	MSCR,SHCS,3/8-16 X 1 SS	4



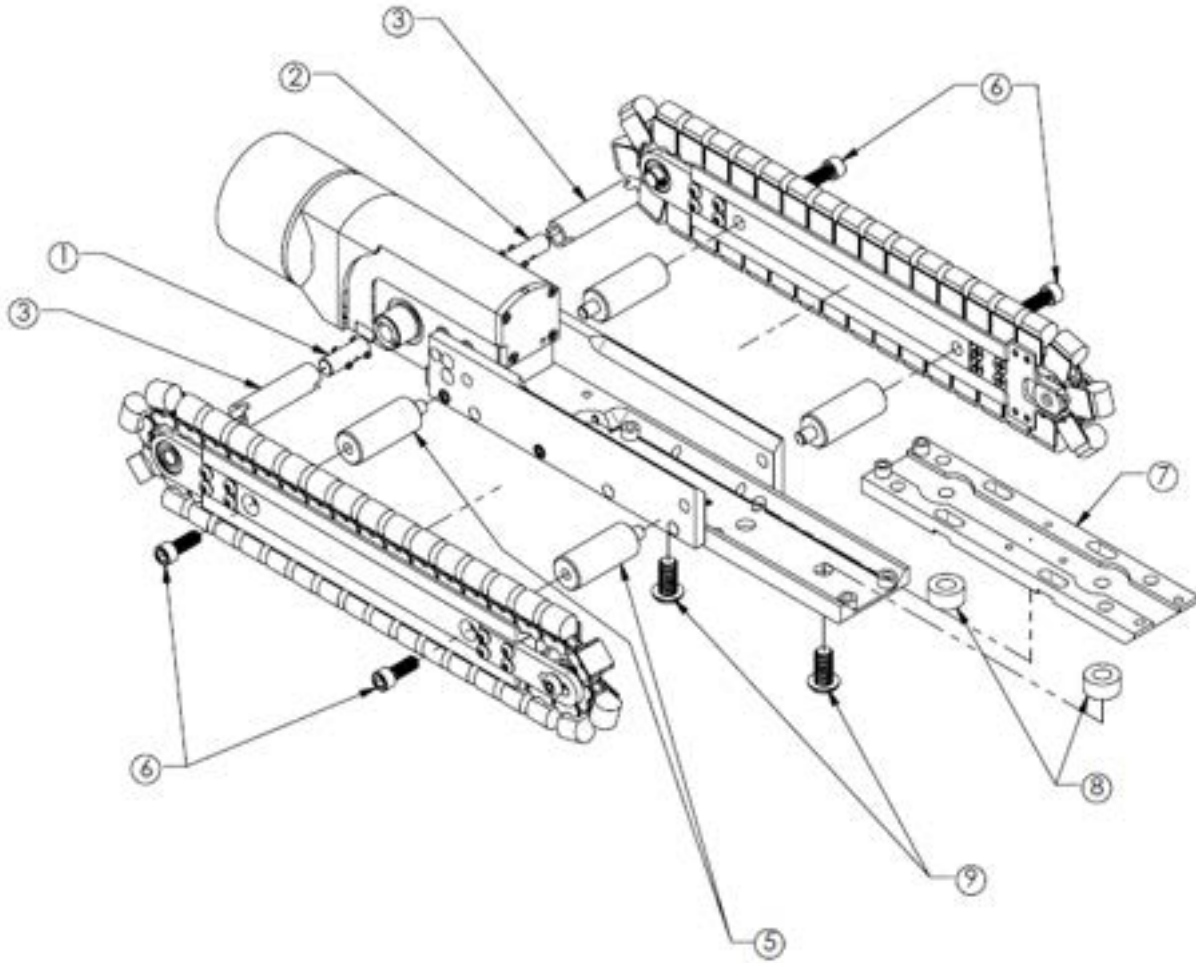
# PROTRAK TRANSPORTER 10" CONFIGURATION



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
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,3/8-16 X 1 SS

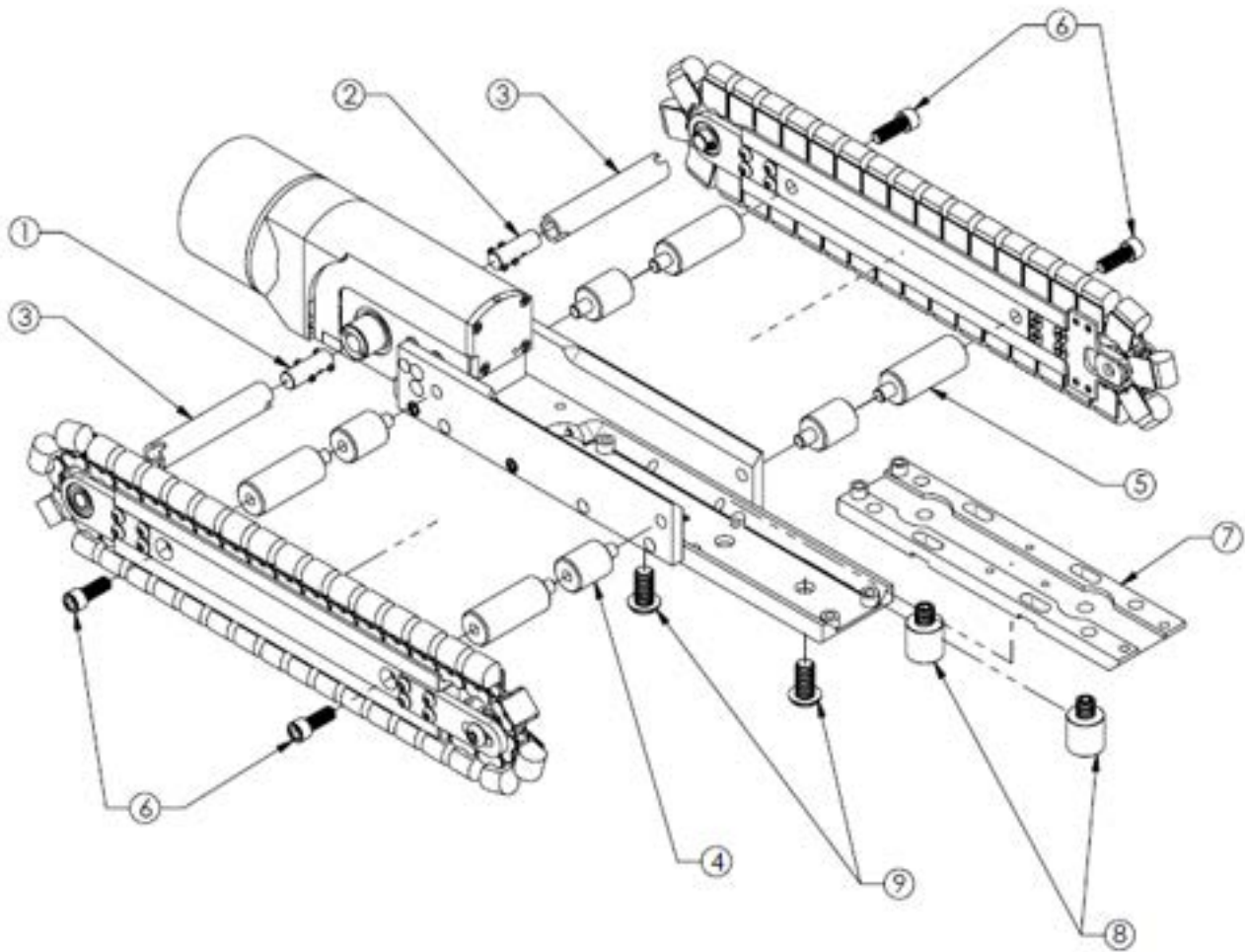


# PROTRAK TRANSPORTER 12" CONFIGURATION



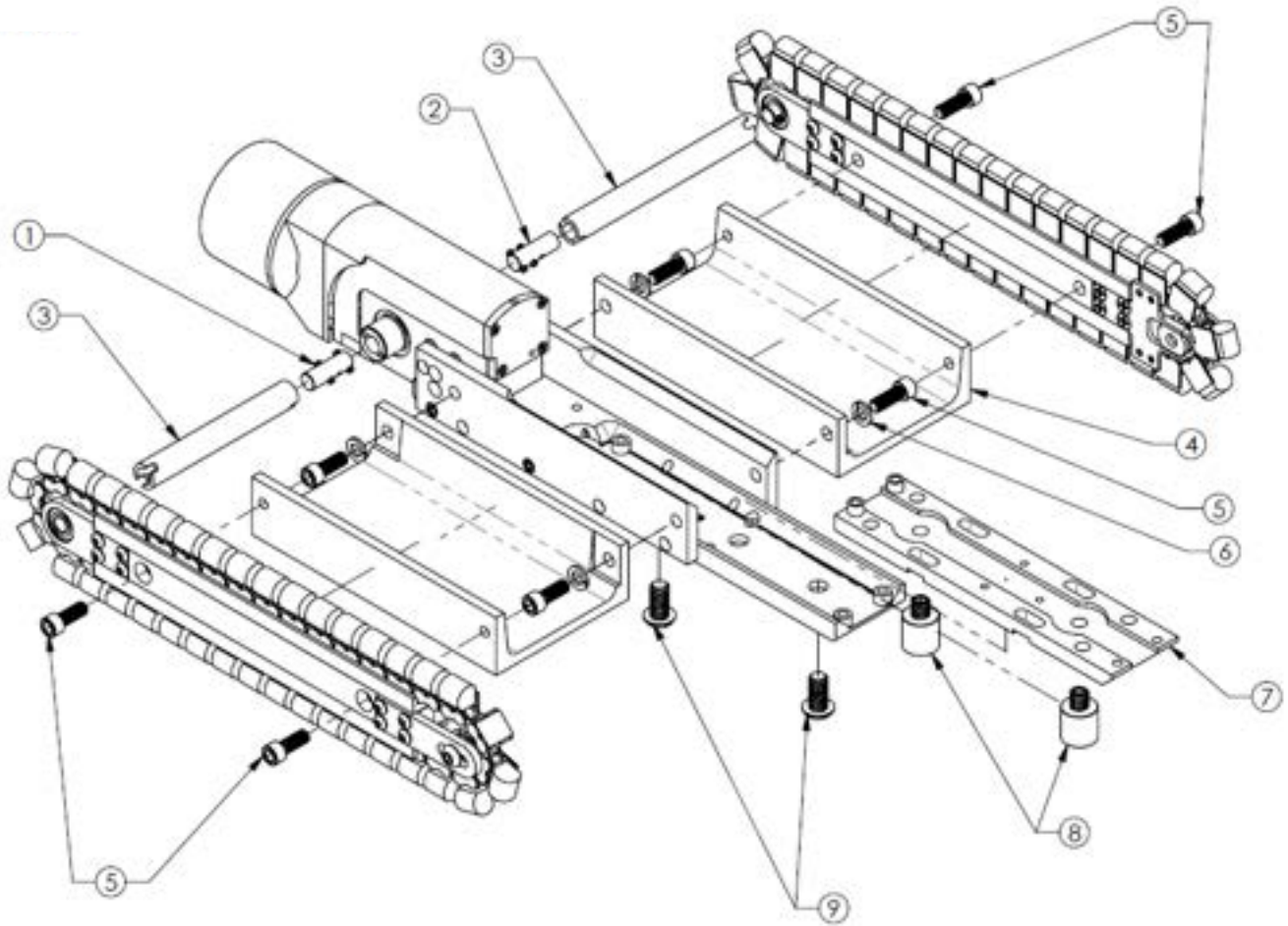
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-2	COUPLER,DRIVE,TRACK,PROTRAK V2, 12" PIPE
5	867-24119	ASSY,SPACER, 2.38" L,EXTENSION
6	301-24105	MSCR,SHCS,3/8-16 X 1 SS
7	867-31668	ASSY,PLATE 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, 1/2-13 X 1", 18-8 SS

# PROTRAK TRANSPORTER 15" CONFIGURATION



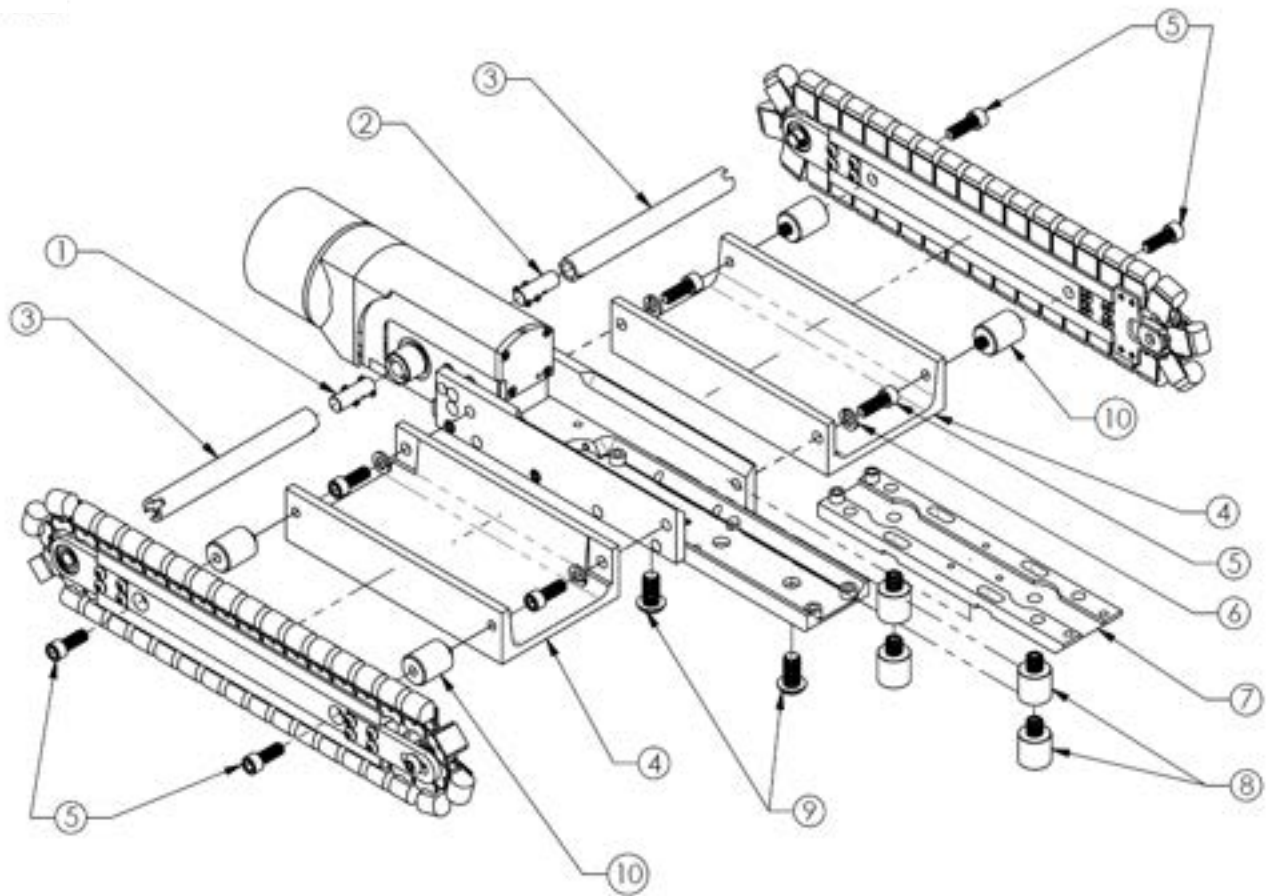
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-3	COUPLER,DRIVE,TRACK,PROTRAK V2, 15" PIPE
4	867-24119	ASSY,SPACER, 2.38" L,EXTENSION
5	867-24118	ASSY,SPACER, 1.25" L,EXTENSION
6	301-24105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

# PROTRAK TRANSPORTER 18" CONFIGURATION



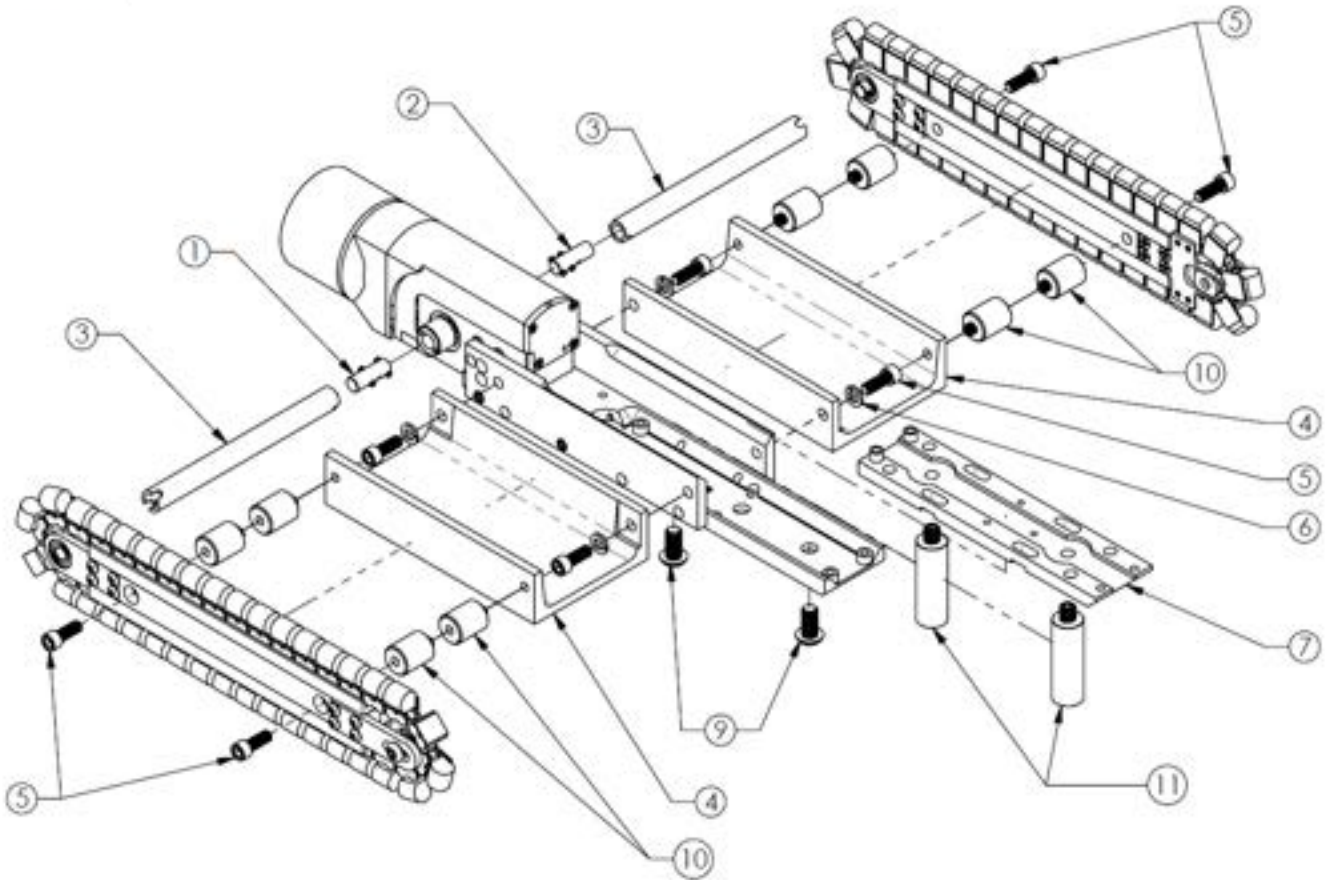
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-4	COUPLER,DRIVE,TRACK,PROTRAK V2, 18" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8", 18-30"
5	301-24105	MSCR,SHCS,3/8-16 X 1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL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

# PROTRAK TRANSPORTER 21" CONFIGURATION



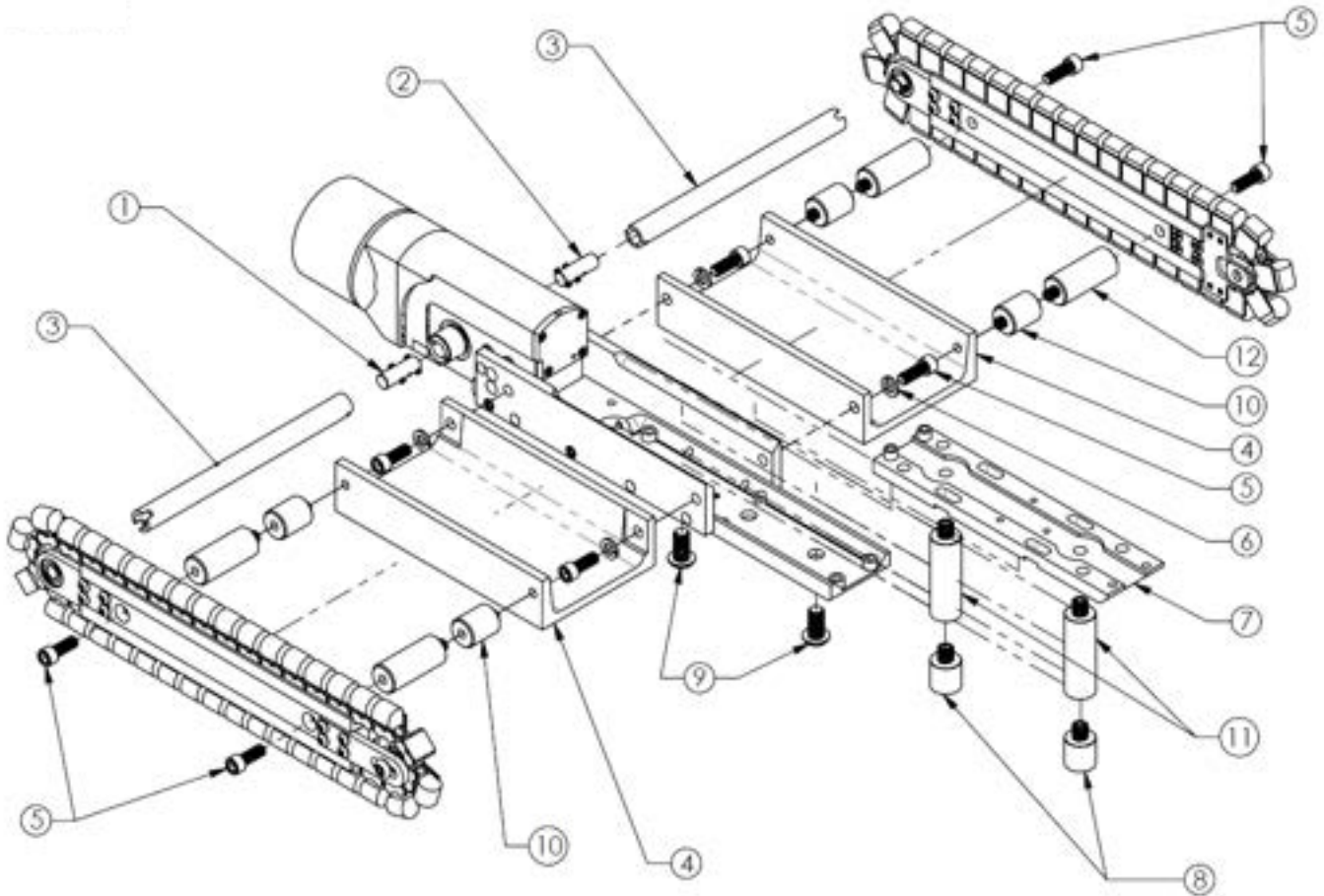
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-5	COUPLER,DRIVE,TRACK,PROTRAK V2, 21" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8", 18-30"
5	301-24105	MSCR,SHCS,3/8-16 X 1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL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

# PROTRAK TRANSPORTER 24" CONFIGURATION



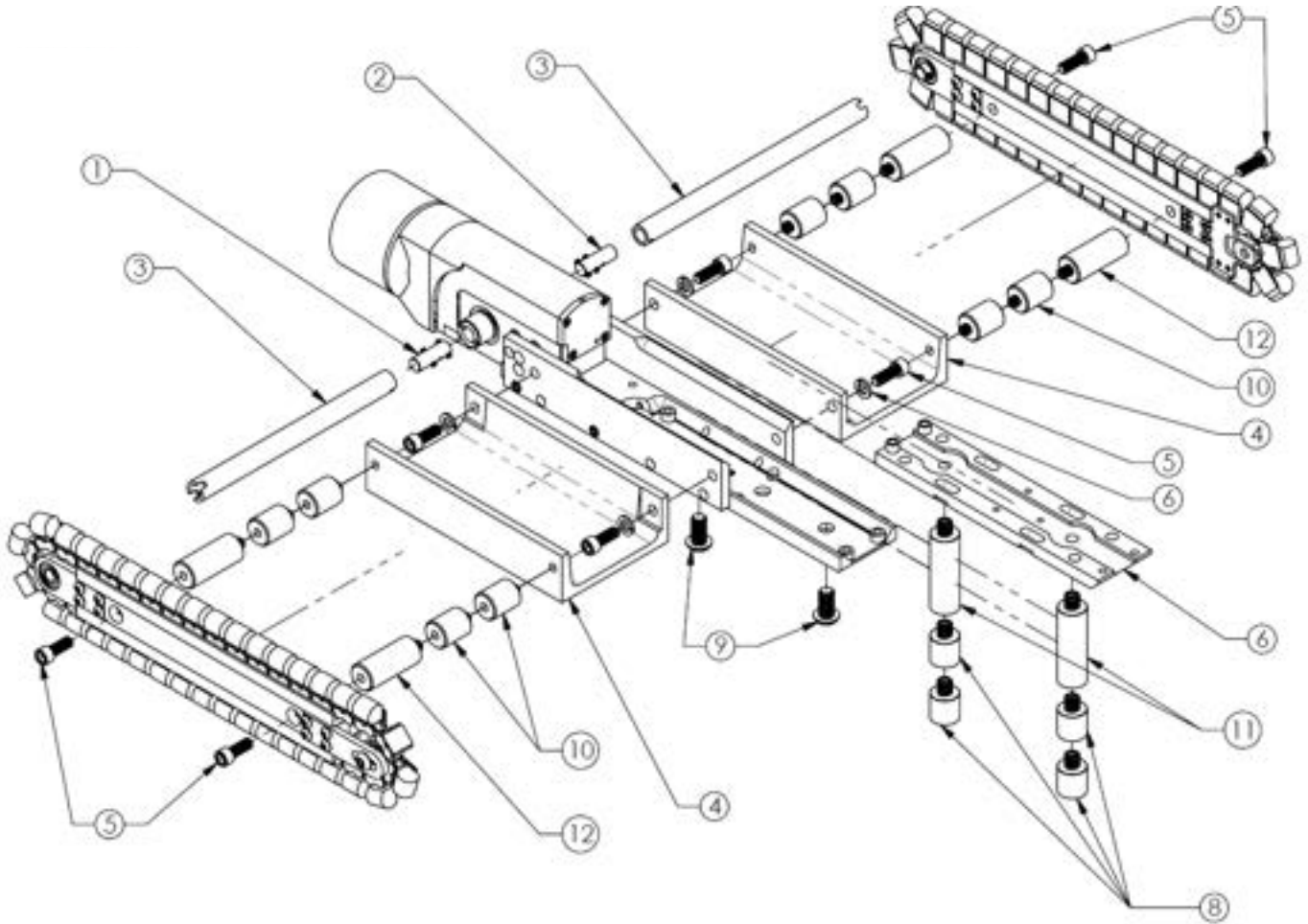
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-6	COUPLER,DRIVE,TRACK,PROTRAK V2, 24" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8", 18-30"
5	301-24105	MSCR,SHCS,3/8-16 X 1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL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

# PROTRAK TRANSPORTER 27" CONFIGURATION



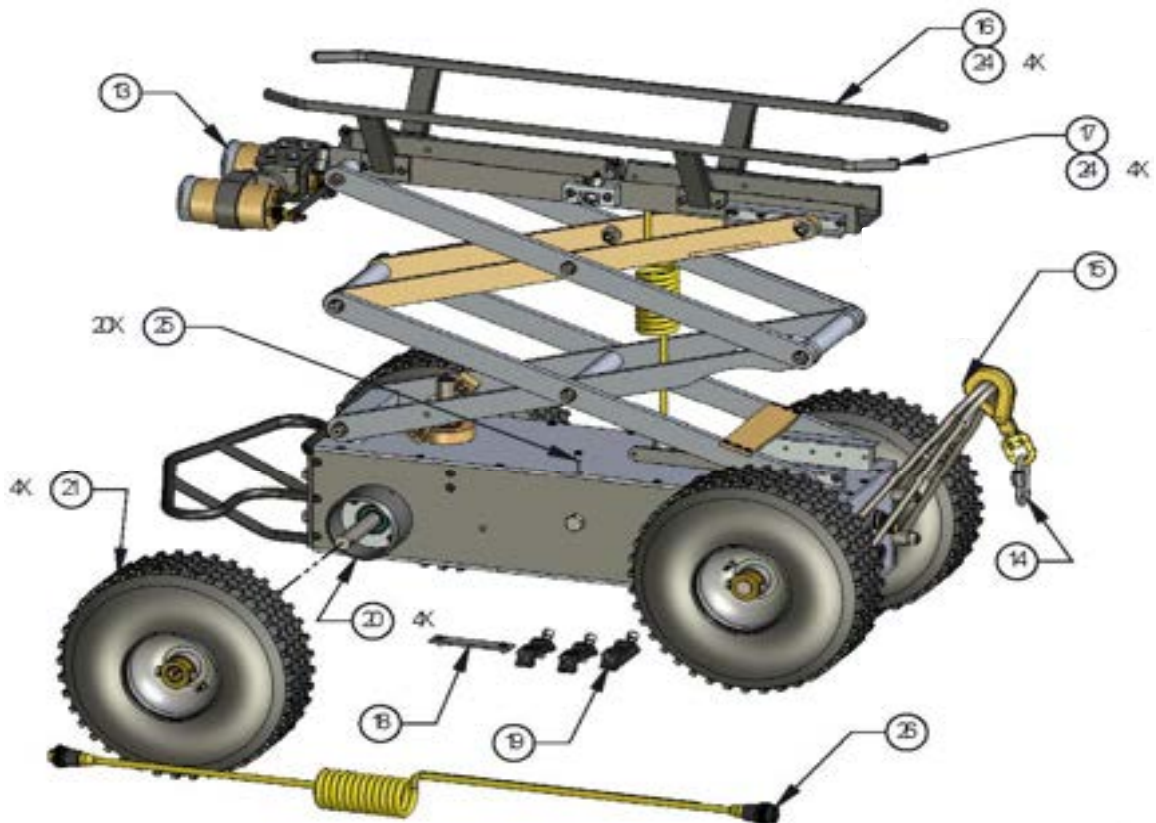
ITEM #	PART #	DESCRIPTION
1	867-37282	ASSY,SHAFT,STUB,AXLE,DRIVE,RIGHT,PTC V2
2	867-37283	ASSY,SHAFT,STUB,AXLE,DRIVE,LEFT,PTC V2
3	408-37022-7	COUPLER,DRIVE,TRACK,PROTRAK V2, 30" PIPE
4	451-33027-24	CHANNEL,EXT,PTC/8", 18-30"
5	301-24105	MSCR,SHCS,3/8-16 X 1 SS
6	318-14963	WASHER,LOCK,.375,HELICAL
7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

# PROTRAK TRANSPORTER 30" CONFIGURATION



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
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", 18-30"
5	301-24105	MSCR,SHCS,3/8-16 X 1 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
9	305-30505	SCREW,BUTTONHEAD,HEX, 1/2-13 X 1", 18-8 SS
10	867-24118	ASSY,SPACER, 1.25"L,EXTENSION
11	867-33066	ASSY,RISER,CAMERA, 3"L
12	867-24119	ASSY,SPACER, 2.38"L,EXTENSION

# STORM DRAIN TRACTOR



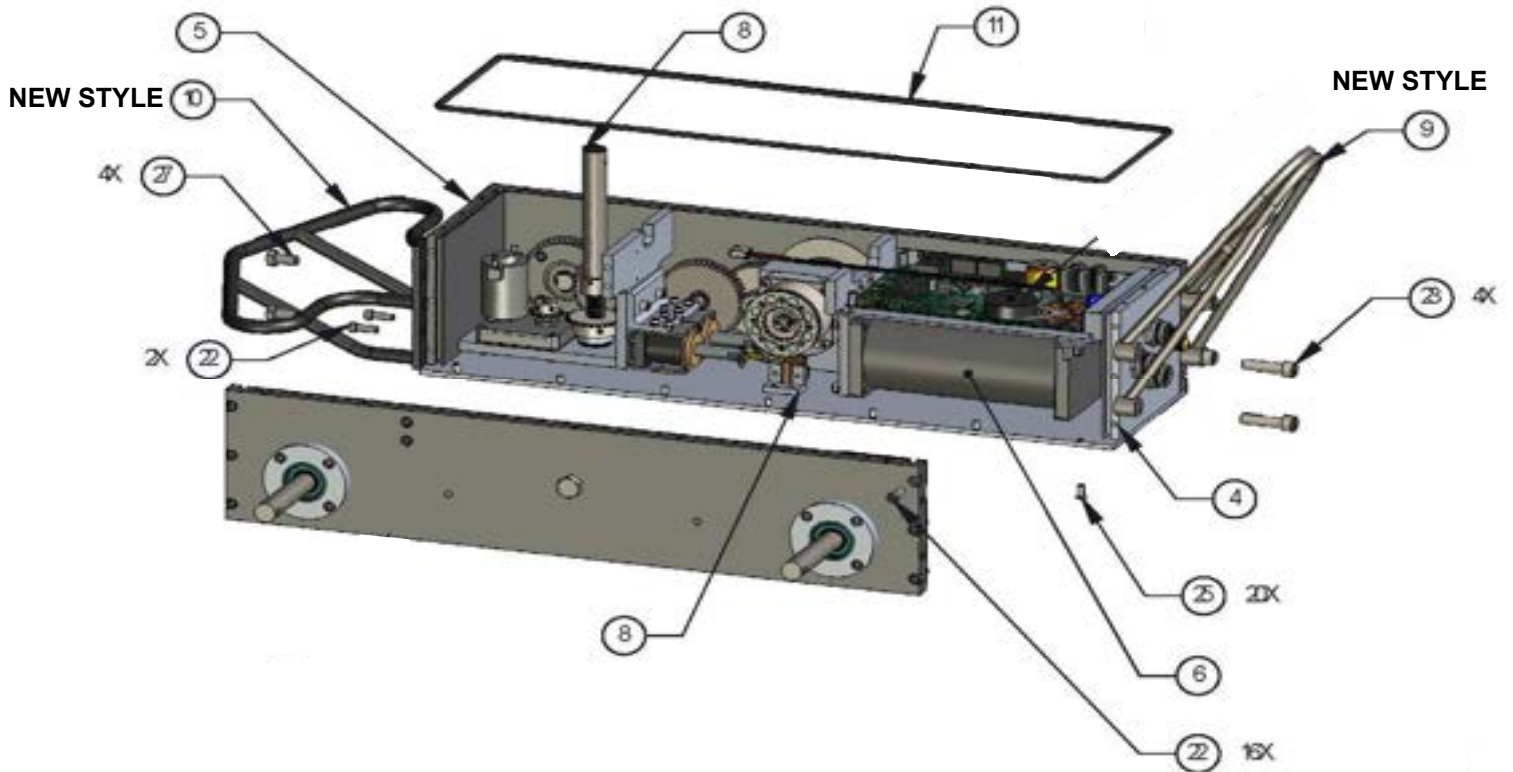
**NOTES:**

1. ITEMS 18 & 19 ARE INSTALLATION KITS TO MOUNT THE CAMERA TO ITEM 12

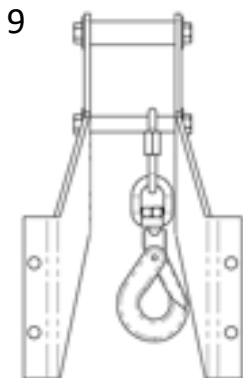
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
13	867-39692	LED LIGHT EA
14	444-11901	QUICK LINK,1/4 IN
15	444-12255	HOOK,SNAP SWIVEL
16	807-17894-21	SKID, UPPER <b>RIGHT</b>
17	807-17895-21	SKID,UPPER <b>LEFT</b>
18	840-17645	KIT,HARDWARE,MTG,OE3 CAMERA TO SSdT
19	840-20622	KIT,ADAPTER, TRAKSTAR CAMERA to 6"-16" AND 5" SKID SETS
19	840-39524	KIT, ADAPTER TRAKSTAR II CAMERA
20	452-33069	GUARD,AXLE SEAL,SSdT
21	867-17906	<b>WHEEL ASSEMBLY</b> ,11" X 4", SDT WITH ADAPTER
21	860-34060	HI-TRACTION TIRES <b>13"x 5"x 6"</b> , R-1 DESIGN, EA
		<b>NOTE: REQUIRES SPACER KIT BELOW, TO BE INSTALLED ON FRONT BUMPER ASSEMBLY KIT, BUMPER SPACER <u>FOR HI-TRACTION TIRES ABOVE</u></b>
24	840-35702	MSCR,SHCS,1/4-20X.50 SS
25	301-10651	MSCR,FLT,PHH,10-32X.50,UNDERCUT SS
26	301-13230	MSCR,FLT,PHH,10-32X.50,UNDERCUT SS
	806-31535	CABLE, CAMERA POWER ,COILED, 6PIN(WS) - 6PIN(RK)
	806-36831	CABLE, CAMERA POWER (4 PIN EURO TO 6 PIN MALE) 10 IN
	806-39319	CABLE, CAMERA POWER (4 PIN EURO TO 6 PIN MALE) 12.5 IN
	806-39653	CABLE, LED LIGHTS, Y CABLE



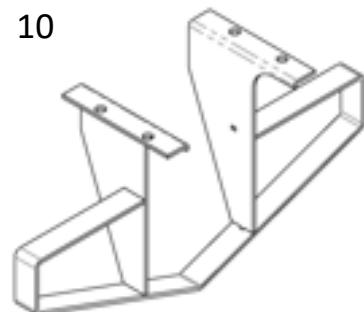
# STORM DRAIN TRACTOR



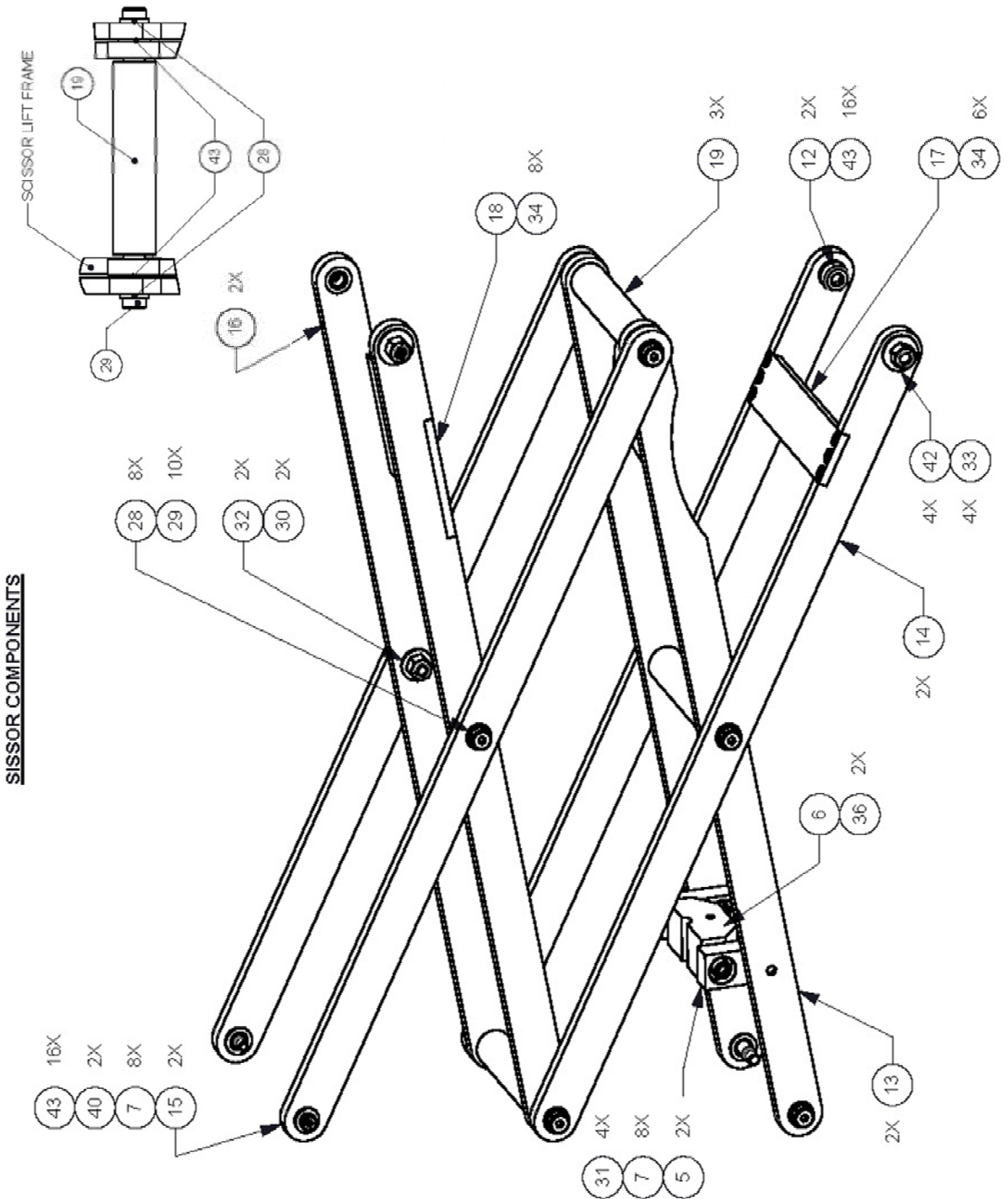
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
4	801-31534	REAR PLATE ASSY
5	453-19435-21	FRONT PLATE ASSY, W/O LIGHTS
6	805-12875	CLUTCH/MOTOR ASSY
8	805-33946	ELEVATOR MOTOR/GEARBOX ASSY, BRAKE SOLENOIDS
9	867-40516	LIFTING BRKT ASSY
10	803-40184-31	FRONT BUMPER ASSY
11	439-13523	O-RING MATERIAL, BUNA, .187DIA, PER INCH (ORDER 140" TOTAL)
22	301-10887	MSCR, SHCS, 1/4-20X.75 SS
23	301-14436	MSCR, SHCS, 3/8-16 X 1.50 SS
25	301-13230	MSCR, FLT, PHH, 10-32X.50, UNDERCUT SS
27	301-11773	MSCR, HEXHD, 3/8-16X.75 SS



NEW STYLE



# STORM DRAIN TRACTOR SCISSOR COMPONENTS



PART NUMBERS ON FOLLOWING PAGE

# STORM DRAIN TRACTOR SCISSOR COMPONENTS CONTINUED

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
5	444-11547-21	LINK,ELEVATOR CLEVIS PIVOT
6	451-15386-21	BLOCK,CLEVIS,ELEVATOR
7	405-10304	BUSHING,FLANGE,.377IDX.502ODX.50L,(.68OD 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	451-15504-21	CROSS BRACE, <u>FIRST FLOATING ARM</u>
18	451-15445-21	CROSS BRACE, <u>SECOND FLOATING ARM</u>
19	451-10431-21	CROSS BRACE, <u>ARM PIVOT</u>
28	405-12606	BUSHING,FLANGE,.377ID X .502OD X 1.00L,BRONZE
29	305-13719	BOLT,SHLDR,SKT HD,5/16-18,3/8 X 1 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,5/16-18,3/8 X 1/2, SS
42	317-20000	WASHER,FLT,.380" X 1.005" X .062 NYLON
43	317-10065	WASHER,FLT,.503X.756X.062 NYLON

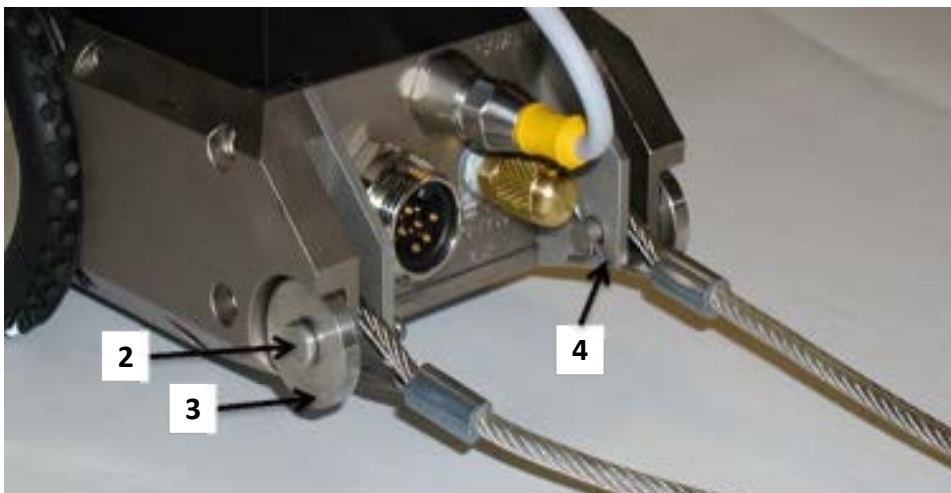
# TRANSTAR TRANSPORTER



PHOTO WITH TRAKSTAR CAMERA



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	450-39321	TOP SKID, TRANSTAR
2	400-10833	CLEVIS PIN, .25"DIA X47/64" USABLE L 18-8 SS ( <u>BRIDLE MOUNTING</u> )
3	443-36876	WHEEL SKATES
4	400-10774	COTTER PIN, .094"DIA X .50" 316 SS ( <u>BRIDLE MOUNTING</u> )
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)
	301-11359	MSCR, FLT, HXS, 10-32 X 1.25 SS (For item # 6)
	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 mtg plate to base plate)
	301-13742	HARDWARE FOR RAIL
	305-30661	MSCR, BUTTON, HXS, 1/4-20 X .50 SS
	806-34469-13	CABLE, 6PIN TO 4 PIN (13" LONG, OLD STYLE TRANSTAR)
	806-34469-16	CABLE, 6PIN TO 4 PIN, M/F <b>USE WITH ELEVATOR</b> (16" LONG, <u>FOR NON TILT UP STYLE</u> )
	806-38138	CABLE, <u>4 PIN TO 4 PIN M/F(EURO)</u> ,13.5" +.5"/-0



SHOWN WITH TILT UP  
CONNECTOR AND  
BACKUP CAMERA



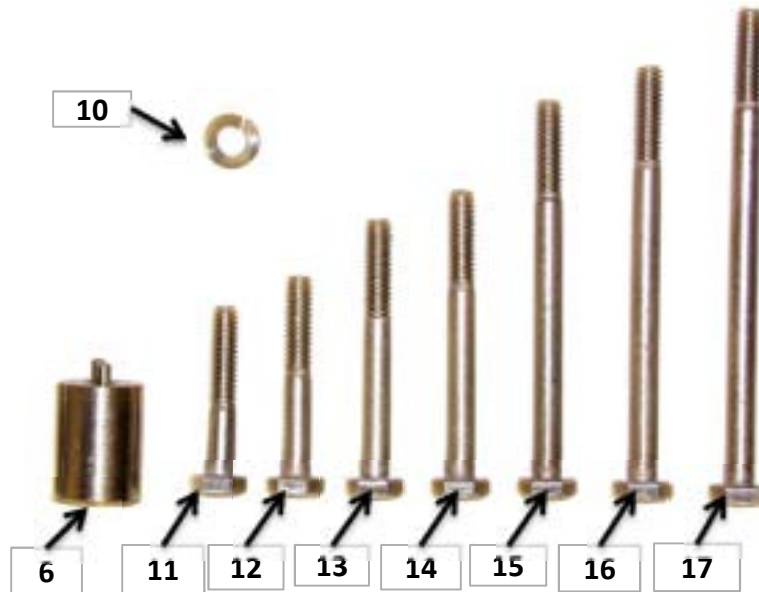
# TRANSTAR TRANSPORTER ACCESSORIES KIT (WITH ELEVATOR)

ITEM #	PART #	DESCRIPTION
	<b>840-37252-1</b>	ACCESSORIES KIT FOR UNITS <u>WITH ELEVATOR</u>
	840-34854	EXTENSION KIT <u>(PARTS BREAKDOWN ON NEXT PAGE)</u>
<b>3</b>	602-41143	EXTENSION, AIR VALVE, 1.25" LENGTH
	301-10651	MSCR, SHCS, 1/4-20 X 0.50 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
<b>4</b>	450-39017	SKID,PLATE,BASE,TRANSTAR V2 (ILLUSTRATED ON NEXT PAGE)
	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 - <b>SOLD SEPARATELY</b>
	963-38193	INFORMATION SHEET, EXTENSION APPLICATION GUIDE (NOT SHOWN)



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

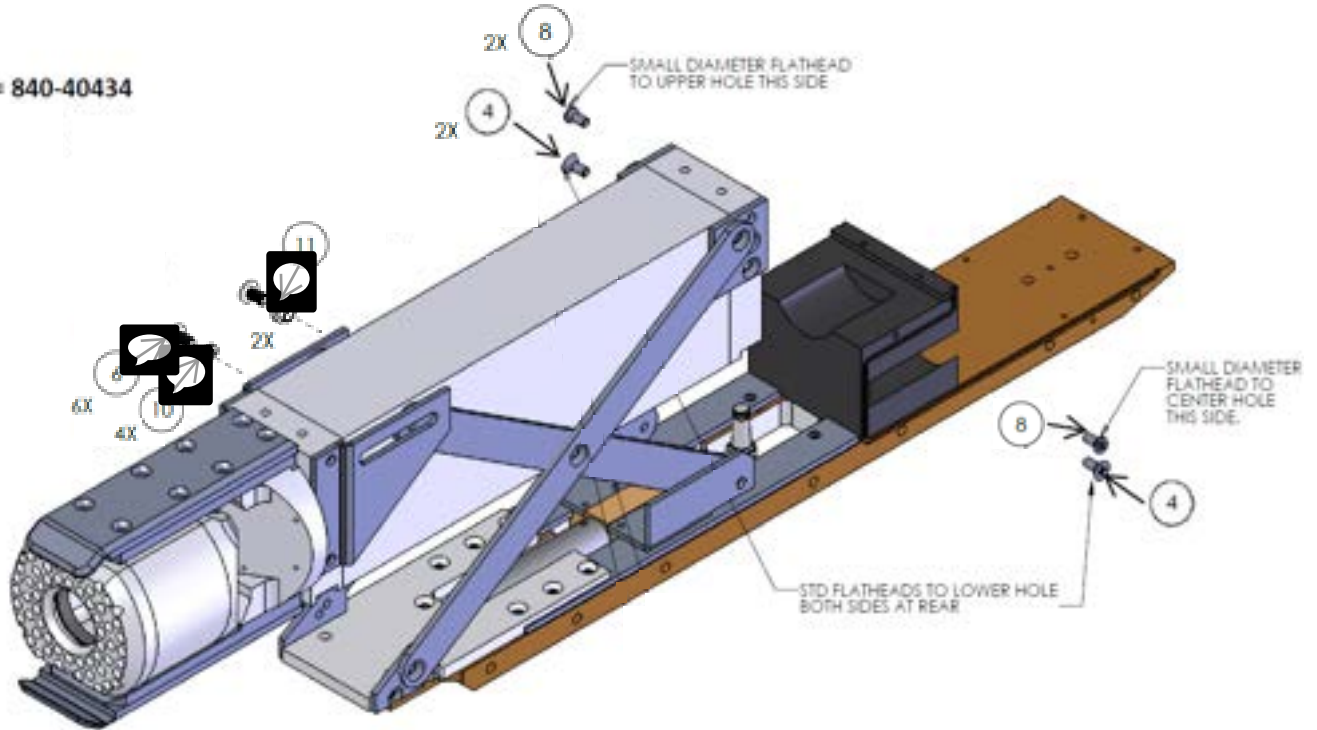
# TRANSTAR TRANSPORTER EXTENSION KIT



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

# TRANSTAR TRANSPORTER ELEVATOR

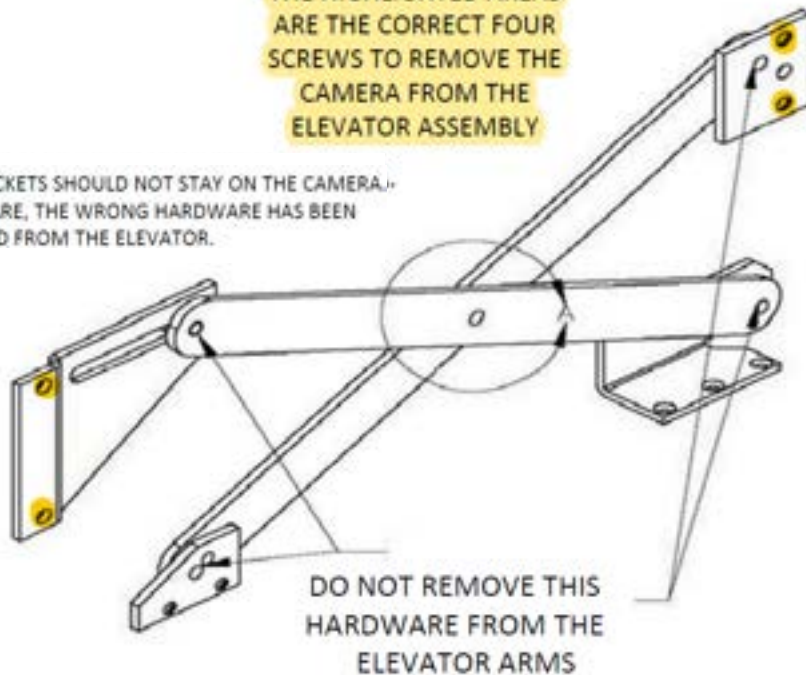
HARDWARE KIT = 840-40434



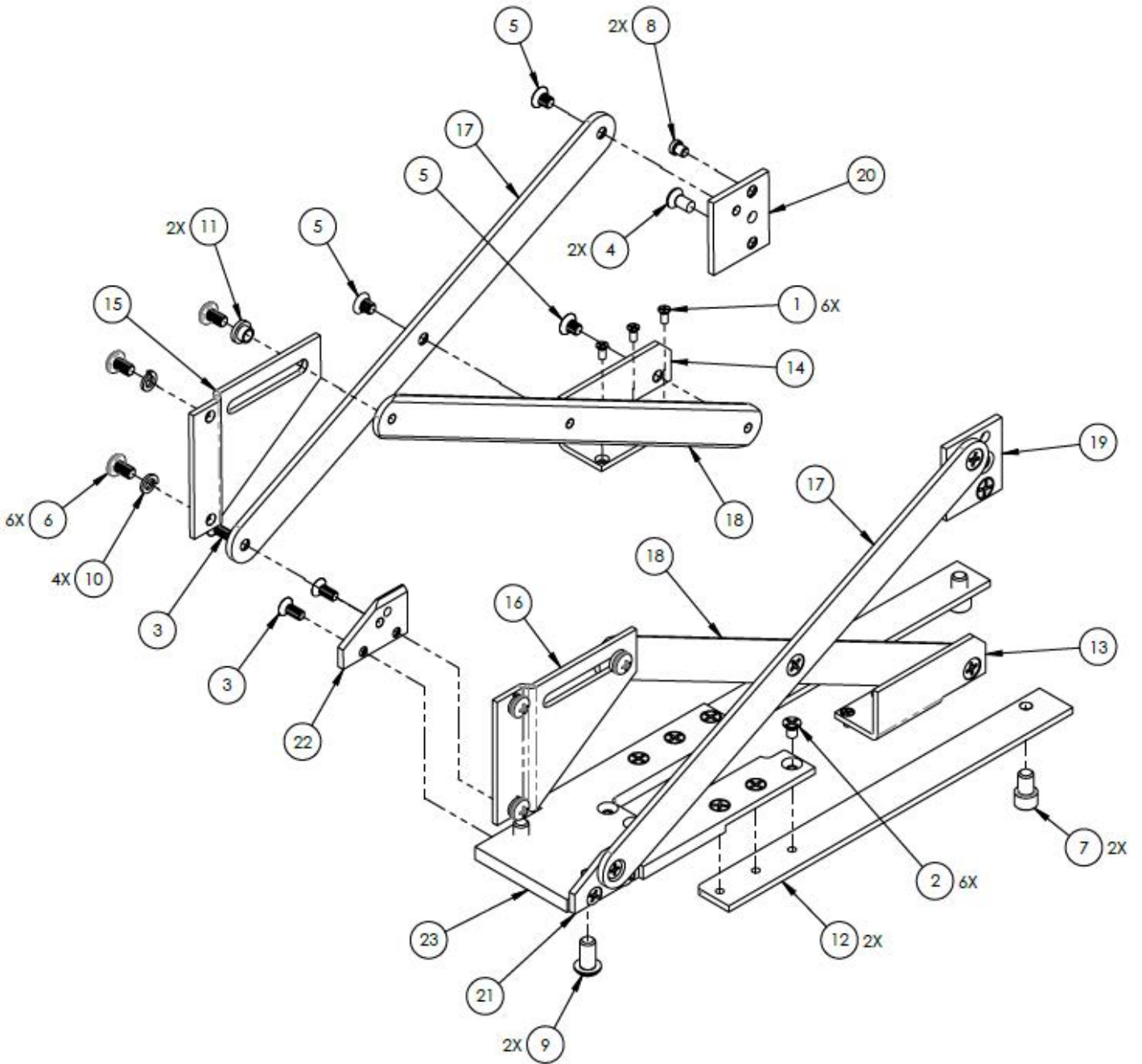
ITEM #	PART #	DESCRIPTION
	<b>840-40434</b>	<b>KIT, CAMERA TO ELEVATOR HARDWARE (INCLUDES ITEMS BELOW 15,16,17,21,22)</b>
11	318-37726	WASHER,SHLDR,#10 X 0.125L X0.254OD SHLDR X0.38OD,NYLON
6	301-14087	MSCR,PAN,PHH,10-32X.31 SS
10	318-18587	WASHER,LKG,#10,HELICAL SS
8	301-38441	MSCR,MTG,CAMERA,CAMERA LIFT (FLT, PHH, 10-32 x 0.25")
4	301-13172	MSCR,FLT,PHH,10-32X.37,UNDERCUT SS

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 FOLLOWING PAGE



# TRANSTAR TRANSPORTER ELEVATOR

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

867-44016 ACTUATOR ASSEMBLY, TRANSTAR  
557-37650 CABLE 4 PIN TO 4 PIN M/F



# TRANSTAR TRANSPORTER TIRES & WHEELS



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

## STANDARD KNOBBY ASSEMBLY

1



BACK SIDE OF TRANSTAR HUB

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, <u>STUDDED</u> KNOBBY
443-15618	TIRE,KNOBBY



# TRANSTAR TRANSPORTER TIRES & WHEELS

## HI-TRACTION

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

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

**2**



## BALLOON KNOBBY

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

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

**3**



## TRANSTAR ONLY ASSEMBLIES

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
4	860-37376	ASSY,PNEUMATIC, <u>6" X 2"</u>
5	860-37377	ASSY,PNEUMATIC, <u>8" X 2"</u>
	860-40849	ASSY,PNEUMATIC, <u>6" X 2"</u> , <u>PLANETARY</u>
	860-40850	ASSY,PNEUMATIC, <u>8" X 2"</u> , <u>PLANETARY</u>

**5**



## Available for TranStar's ONLY

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

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-40830	KIT, EXTENSION W/PLANETARY GEAR REDUCTION

# TRANSTAR TRANSPORTER MEGATRAKS

## TRANSTAR MEGATRAK KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-35686	<b>KIT (ITEMS IN PHOTO)</b>
	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 REPLACEMENTS (MEGATRAK WHEEL ONLY)

<u>ITEM</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>6</b>	443-35678-23	WHEEL,MEGATRAK,2.70" OD,NI PLATE
<b>8</b>	443-35679-23	WHEEL,MEGATRAK,3.30" OD,NI PLATE (NOT INCLUDED IN ELEVATION PHOTO, PG XX)
<b>7</b>	443-35680-23	WHEEL,MEGATRAK,4.40" OD,NI PLATE

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	860-36000	<b>HUB ASSEMBLY WITH MEGATRAK,2.70",TRANSTAR</b>
	860-36001	<b>HUB ASSEMBLY WITH MEGATRAK,3.30",TRANSTAR</b>
	860-36002	<b>HUB ASSEMBLY WITH MEGATRAK,4.40",TRANSTAR</b>
	305-39774	BUTTON HEAD 1/4-20 X 0.75
	316-11245	FLAT WASHER
	318-15671	LOCKING WASHER



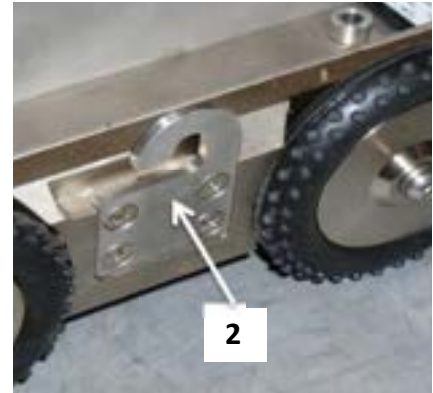
867-35899	HUB,MEGATRAK
410-36012	<b>SNAP RING ONLY</b>



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

# TRANSTAR TRANSPORTER

## TRANSPORTER REPLACEMENT PARTS & ACCESSORIES



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	800-37068	FLOOR MOUNT BRACKET
2	451-37881	LIFTING BRACKET, EITHER SIDE
	305-35805	MSCR,HEXHD,1/4-20 X 4.25" SS (HARDWARE FOR LIFT BRACKETS)



3	867-37072	LIFTING TOOL, POLE (USED WITH POLE BELOW)
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867-18552

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

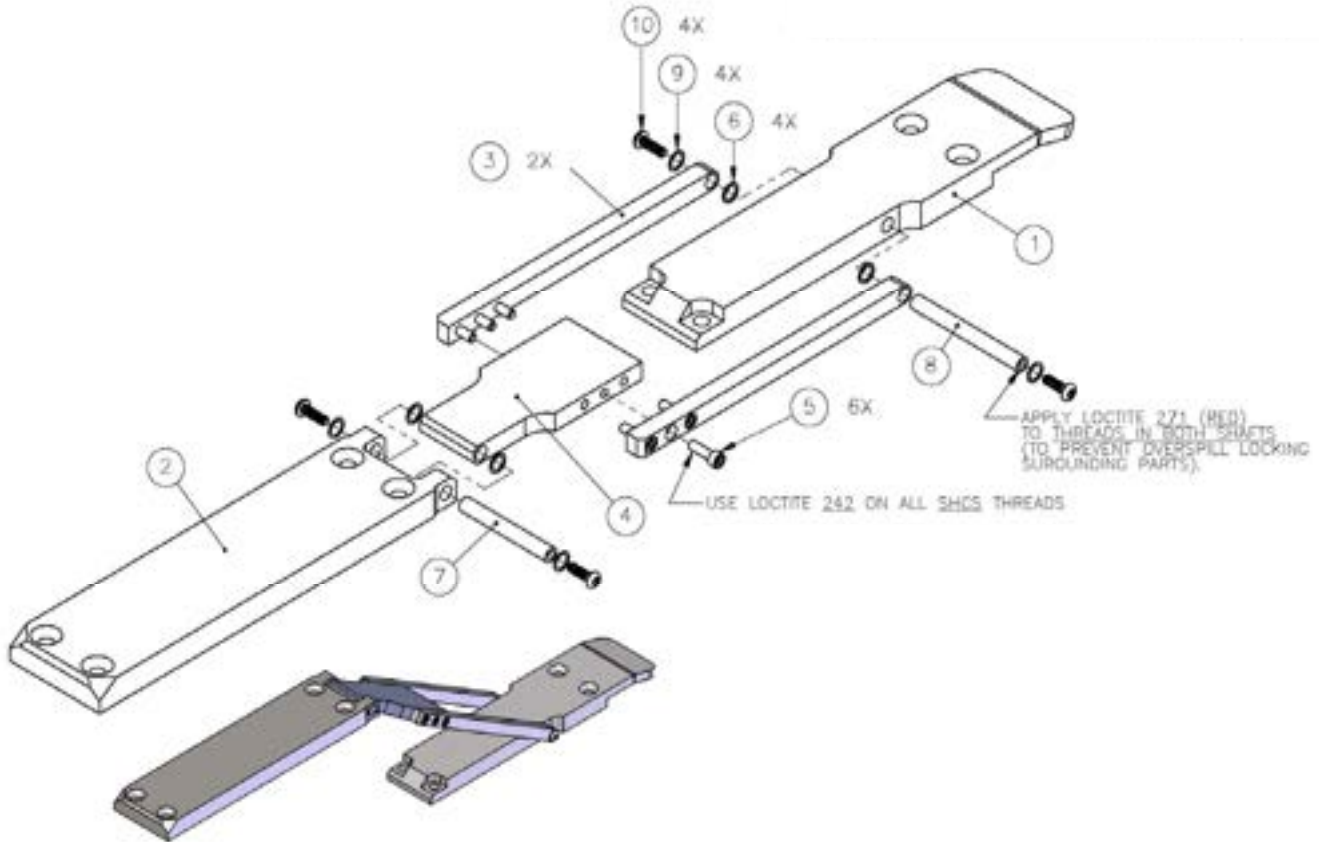
# TRANSTAR II (SHORT) TRANSPORTER



<b><u>PART #</u></b>	<b><u>DESCRIPTION</u></b>
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, <b>4 PIN TO 4 PIN, M/F (EURO)</b> ,13.5" +.5"/-0
301-11477	HARDWARE, <b><u>CAMERA MOUNTING</u></b>
305-39774	HARDWARE, NYLON LOCK STRIP, MSCR,BUTTON,HXS,1/4-20 X 0.75 SS
451-37913	LIFTING BRACKET
301-14087	MSCR,PAN,PHH,10-32X.31 SS (HARDWARE FOR LIFT BRACKET) CBL,
557-32446	CABLE, 4 PIN, <b><u>ELEVATOR</u></b>

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

# TRANSTAR II (SHORT) TRANSPORTER ELEVATOR ASSEMBLY (POWERED)



<b>ITEM #</b>	<b>PART #</b>	<b>DESCRIPTION</b>
1	451-39047-42	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 TRACTOR TRANSPORTER



**SHOWN WITH PROBE PAN & TILT MINI CAMERA**

## MINI TRACTOR TRANSPORTER PARTS

<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" S 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
	806-30631	CABLE, 3 PIN MALE/6 PIN FEMALE
	806-33049	CABLE, 4 PIN EURO TO 3 PIN MALE
	867-33048	<b>TOP CABLE</b> , MINI TRACTOR TO <b>1306</b> , 4 PIN EUROFAST, 17.5" LONG
	867-37197	<b>TOP CABLE</b> , MINI TRACTOR-OS <b>PROBE</b> , 4PIN EURO 17.5"LONG
	867-34891	TOW BRIDLE
	569-13266	TOP CABLE LOOP (REQUIRES 6 INCHES PER)



# MIGHTY MINI TRACTOR TRANSPORTER ACCESSORIES KIT



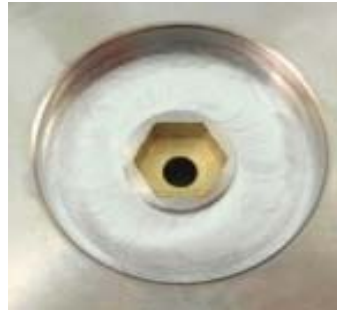
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	<b>840-30967</b>	<b>ACCESSORIES KIT</b>
	316-16857	WASHER,FLT,#6,.438OD,.040T SS
	301-12007	MSCR,PAN,PHH,6-32X.37 SS
	301-11653	MSCR,PAN,PHH,6-32X.25 SS
	867-30341	ASSEMBLY WHEEL, HEX DRIVE W/3.5" KNOBBY TIRE
	806-40192	ASSY,CBL,3PIN MALE/6 PIN FEMALE,.4M LONG
	602-41401	FITTING, VALVE STEM EXTENSION



# MIGHTY MINI TRACTOR 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, <u>W/2.5" KNOBBY</u>
	443-16070	TIRE <u>ONLY, 2.5"</u>
	443-21996	CAP, 2.5" WHEEL →
	443-21995	WHEEL, <u>ONLY, 2.5"</u>
	867-30341	ASSY,WHEEL,HEX DRIVE, <u>W/3.5" KNOBBY</u>
	443-21993	CAP, 3.5" WHEEL
	443-21994-23	WHEEL, <u>ONLY, 3.5"</u>



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 TRACTOR TRANSPORTER MEGATRAKS



## KIT

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

## WHEEL ASSEMBLY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	860-36601	HUB WITH MEGATRAK, 2.70"

## WHEEL ONLY

<u>ITEM</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>1</b>	443-35678-23	WHEEL ONLY <b>2.70"</b>
<b>2</b>	443-35679-23	WHEEL ONLY <b>3.30"</b>
<b>3</b>	443-35680-23	WHEEL ONLY <b>4.40"</b>

## HUB ASSEMBLY

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-36521	HUB, MEGATRAK
	443-36519-23	HUB ONLY
	443-21993	CAP/INSERT
	410-36012	SNAP RING



# MIGHTY MINI TRACTOR TRANSPORTER COMPLETION KITS / CAMERA MOUNTING



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u> <u>COMP</u>
	<b>841-38670</b>	<b>PROBE V2 TYPE,MINI TRACTOR</b>	KIT
4	301-14203	MSCR,PAN,PHH,10-32X.62	2
	316-11835	SS 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
	<b>841-38669</b>	<b>1306 TYPE,MINI TRACTOR</b>	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, <u>WITH</u> CAMERA TERMINATION <b>100 FT</b>
	806-38136-1	CABLE, <u>W/O</u> CAMERA TERMINATION <b>100 FT</b>
	806-38136-150	CABLE, <u>WITH</u> CAMERA TERMINATION <b>150 FT</b>
	806-38136-5	CABLE, <u>W/O</u> CAMERA TERMINATION <b>150 FT</b>
	806-38136-200	CABLE, <u>WITH</u> CAMERA TERMINATION <b>200 FT</b>
	806-38136-4	CABLE, <u>W/O</u> CAMERA TERMINATION <b>200 FT</b>
	867-37642	BRIDLE
	841-38738	COMPLETION KIT
	410-38222	SNAP RING, E-CLIP
	446-38225	SPRING
	806-38351	CAMERA CONNECTOR



# LATERAL LAUNCHER RETERMINATION KITS

ITEM #	PART #	DESCRIPTION
1	841-38183	KIT,RETERMINATION,PUSH CBL, <u>CAMERA END</u> ,LIS GEN 2
2	841-38183-1	KIT, INCLUDES DISPENSING GUN (840-20827 KIT WITH NOZZLE)



**RETERMINATION KIT - CAMERA END**

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
	630-14364	EPOXY, DP100

ITEM #	PART #	DESCRIPTION
	841-37322	KIT,RETERMINATION,PUSH CBL, <u>SINCON END</u> ,LATERAL LAUNCHER



**RETERMINATION KIT - SINCON END**

7	408-34066	BULLET,CABLE TERMINATION,PUSH CABLE,LIS
8	602-10158	FITTING,COMPRESSION,UNION,1/4",BRASS
9	555-35395	CONN,TNC,PLUG,PUSH CBL,REEL,LIS
	968-38221	DRAWING INSTRUCTIONS

# LATERAL LAUNCHER TIRES & WHEELS



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

## STANDARD KNOBBY

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

## HI-TRACTION

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

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



## BALLOON KNOBBY

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

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



# LATERAL LAUNCHER MEGATRAKS

## MEGATRAK KIT

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	840-35686	<b>KIT (ITEMS IN PHOTO)</b>
	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 ONLY)

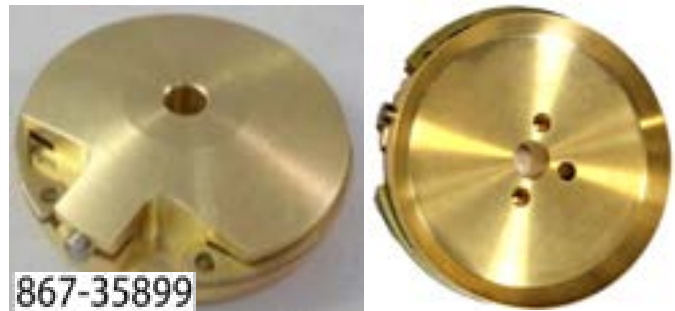
<u>SIZE</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>2.70"</b>	443-35678-23	WHEEL,MEGATRAK,2.70" OD,NI PLATE
<b>3.30"</b>	443-35679-23	WHEEL,MEGATRAK,3.30" OD,NI PLATE
<b>4.40"</b>	443-35680-23	WHEEL,MEGATRAK,4.40" OD,NI PLATE

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



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

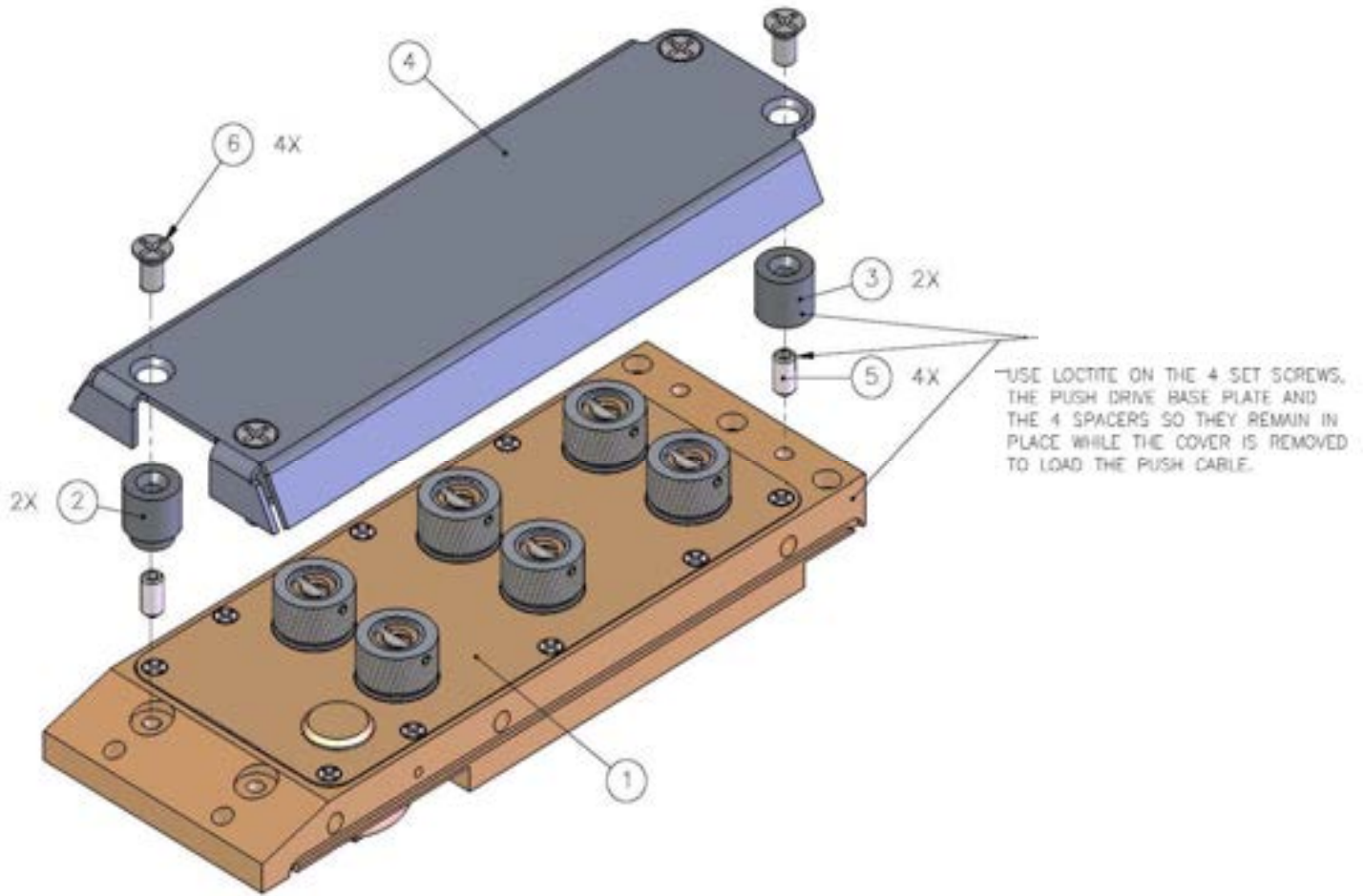
REFER TO TRANSTAR EXTENSION GUIDE  
PART # 963-38193  
FOR APPROPRIATE HARDWARE



**BACK SIDE OF 867-35899**

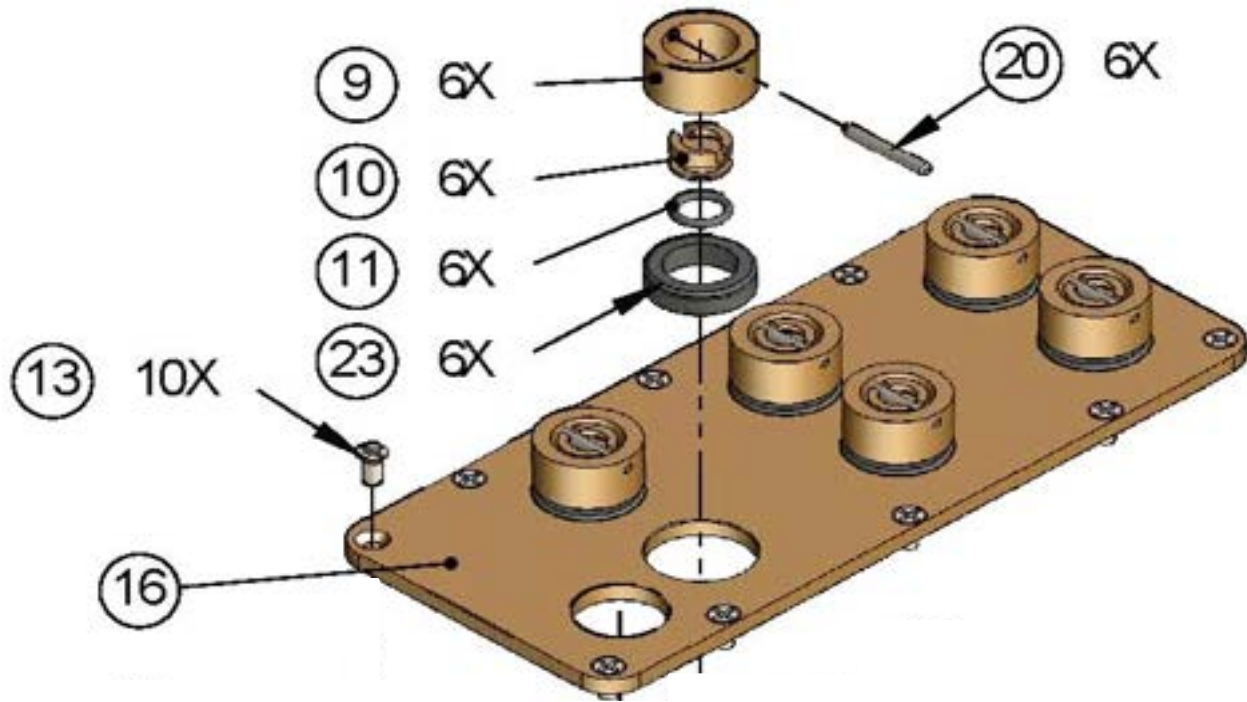


# LATERAL LAUNCHER PUSH CABLE DRIVE ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	805-37980	ASSY, PUSH CABLE DRIVE, LIS GEN 2
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

# LATERAL LAUNCHER PUSH CABLE DRIVE ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
9	443-37992-45	DRIVE ROLLER, PUSH CABLE
10	439-37993	PLUG, SEALING, DRIVE ROLLER
11	439-38682	O-RING, BUNA, 7MM ID X 1.5MM WIDE
13	301-10532	MSCR,FLT,PHH,4-40 X 0.25. SS
16		<b>CALL TECH SUPPORT</b>
20	400-40012	PIN, SPRING, ROLL, M2 X 4MML, 18-8
23	439-38320	OIL SEAL, RADIAL, 12MM SHAFT, 18MM OD X 4.5MM H

**\* PLEASE NOTE: ITEM 23 REQUIRES SPECIAL TOOLING, CONTACT THE FACTORY FOR FURTHER INFORMATION**

# MAINLINE CONTROLLERS



<b><u>PART #</u></b>	<b><u>DESCRIPTION</u></b>
447-10663	ALUMINUM KNOB (REEL SPEED)
542-14407	SW, TOGGLE, SPDT, 15A (GENERATOR START/STOP)
542-14697	SW, TOGGLE, SPST, MAN, 15A (REEL ON/OFF)
542-30144	SW, TOGGLE, DPST, MAN, 15A (CAMERA/REEL ON/OFF)
542-30154	SW, TOGGLE, SPDT, MOM, 15A (REEL IN/OUT)
861-31811	ASSY, PCB, RIPPLE FILTER, SINGLE FET, LISTED (5 PIN CONN.) <b>CALL FOR INSTALL INSTRUCTIONS</b>
861-38098	ASSY, PCB, CONTROLLER DEMOD <b>CALL FOR INSTALL INSTRUCTIONS</b>
861-30187	ASSY, PCB, DUAL TONE ENCODER/PWR SUPPLY <b>CALL FOR INSTALL INSTRUCTIONS</b>

## MAINLINE WINLOGGER SYSTEM

<b><u>PART #</u></b>	<b><u>DESCRIPTION</u></b>
702-40442	UPS,600W,(750),RACKMOUNT,1U,120V,60HZ

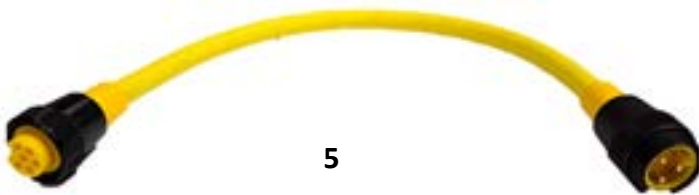
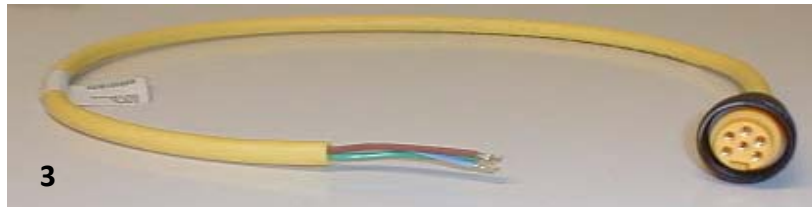
## CABLES TEST CABLES

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
3	806-31484	CABLE, M/L REEL to CAMERA (6-PIN (F) SCREW STYLE TO N-PLUG)
	806-36831	CABLE, 4PIN FEM(EURO) - 6 PIN MALE(IP67),10 INCH



## CABLES TWIST-ON BULLET STYLE

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



2	806-34469-13	CABLE, 6 PIN TO 4 PIN M/F, 13 IN (TOP CABLE FOR <u>TRANSTAR/TRAKSTAR</u> )
	806-34469-16	CABLE, 6 PIN TO 4 PIN M/F, 16 IN (TOP CABLE FOR <u>TRANSTAR WITH ELEVATOR</u> )



806-34469-24	CABLE, 6SKT (IP67) TO 4-PIN EUROFAST, 24 IN (TOP CABLE FOR PROTRAK CRAWLER)
806-36831	CABLE, 4PIN FEM(EURO)-6 PIN MALE(IP67),10 INCH (STORM DRAIN TRACTOR)
806-39319	CABLE, 4PIN FEM(EURO)-6 PIN MALE(IP67),12.5 INCH (STORM DRAIN TRACTOR)

# 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



# SINCON CABLE

## MAXIMUM REEL CAPACITY: CPR / MAINLINE REEL / WELL REEL

	ARMORED SINCON 0.25"	ARIMAD SINCON 0.35"	MULTI-COND 0.412"
CPR	1,000'	500'	500'
CPR X-WIDE	1,500'	1,000'	1,000'
M/L	2,000'	1,000'	1,000'
M/L X-WIDE	3,000'	1,500'	1,500'
CONSULT FACTORY FOR	>3,000'		
WELL REEL	2,000'	1,000'	1,000'

### ASSEMBLIES, TERMINATED BOTH ENDS

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

- 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 (AVAILABLE IN 500 FT INCREMENTS)

569-20283 SINGLE CONDUCTOR, SINCON, STEEL ARMORED, PER FOOT SINGLE

## PUSH REEL CABLE

### PUSH CABLE SOLD SEPERATELY (AVAILABLE IN 50 FT INCREMENTS)

569-17755-61 CBL,COAX,20AWG,.25 FIBERGLASS,HYTREL JACKET, PER FOOT

#### 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

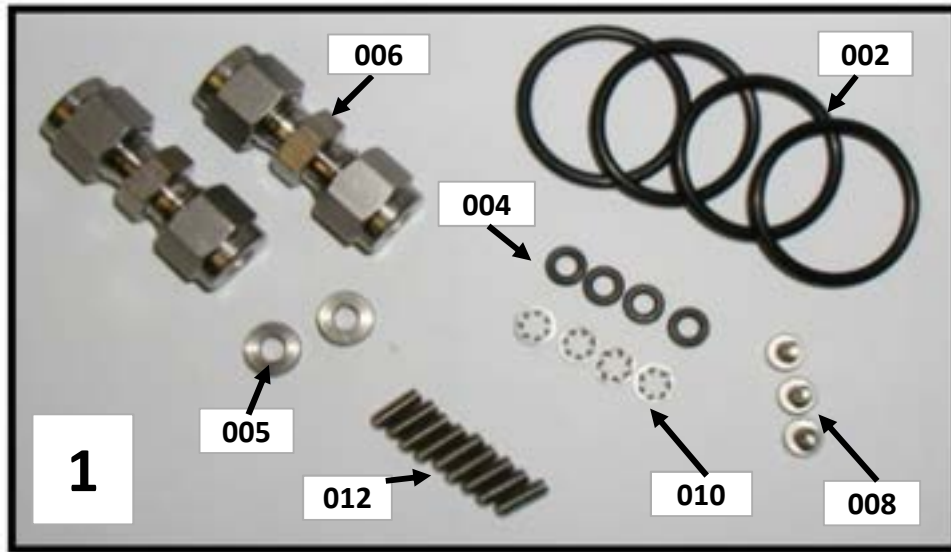
### LATERAL CABLE SOLD SEPERATELY (AVAILABLE IN 50 FT INCREMENTS)

569-39716-61 CBL,FAB,20AWG, FIBERGLASS,HYTREL JACKET, PER FOOT

<u>PART #</u>	<u>DESCRIPTION</u>	
806-38136	CBL, <u>WITH</u> CAMERA TERMINATION	<b>100 FT</b>
806-38136-1	CBL, <u>W/O</u> CAMERA TERMINATION	<b>100 FT</b>
806-38136-150	CBL, <u>WITH</u> CAMERA TERMINATION	<b>150 FT</b>
806-38136-200	CBL, <u>WITH</u> CAMERA TERMINATION	<b>200 FT</b>

# BULLET KITS AND ACCESSORIES

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
<b>1</b>	<b>841-31914</b>	KIT, COMPRESSION FITTING, BULLET RETERMINATION	COMP KIT
<b>002</b>	439-30423	O-RING,BUNA,120	4
<b>004</b>	439-17127	O-RING,BUNA,007	4
<b>005</b>	403-30421	SPACER,0.171ID X .375 OD X .125THICK,SS	2
<b>006</b>	602-30422	FITTING,COMPRESSION,UNION,1/4",316 SS	2
<b>008</b>	301-12184	MSCR,PAN,PHH,6-32X.31 SS	3
<b>010</b>	318-14614	WASHER,LKG,#6,INT TOOTH SS	4
<b>012</b>	301-19935	MSCR,SHCS,6-32X.375, SS	6
	970-30904	INSTRUCTIONS INCLUDED IN KIT WITH DIAGRAM(S)	1



**SOLD SEPARATELY**

565-30419      TERMINAL BLOCK, 2 POLE, 12-20 AWG



# BULLET KITS AND ACCESSORIES

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
<b>1</b>	<b>841-31486</b>	KIT - 6 PIN FEMALE TO 3 PIN MALE	<b>COMP KIT</b>
	867-31751	ASSY, BULLETT TERMINAL, REMOVABLE PIGTAIL	1
	450-32403	PROTECTOR SLEEVE (DELRIN) (ITEM 3 BELOW)	1
	806-40192	CABLE, 3-PIN MALE / 6-PIN FEMALE, .4M LONG	1
	970-30904	INSTALL INSTRUCTIONS WITH DIAGRAM(S)	1
	634-10347	1/16" ALLEN WRENCH	1
	301-19935	MSCR,SHCS,6-32X.375, SS	3



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



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
<b>3</b>	<b>807-31639</b>	PROTECTOR DELRIN SKID WITH HARDWARE
	301-19935	MSCR, SHCS, 6-32 X 0.375 SS



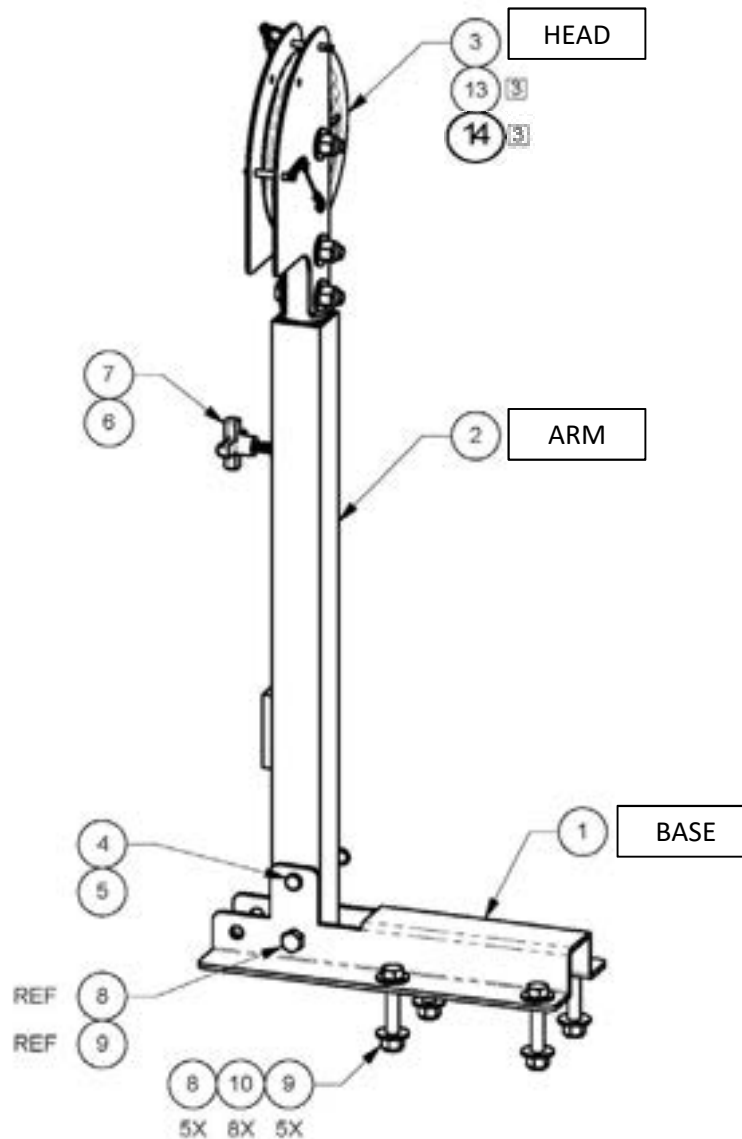


# RECHARGE KIT



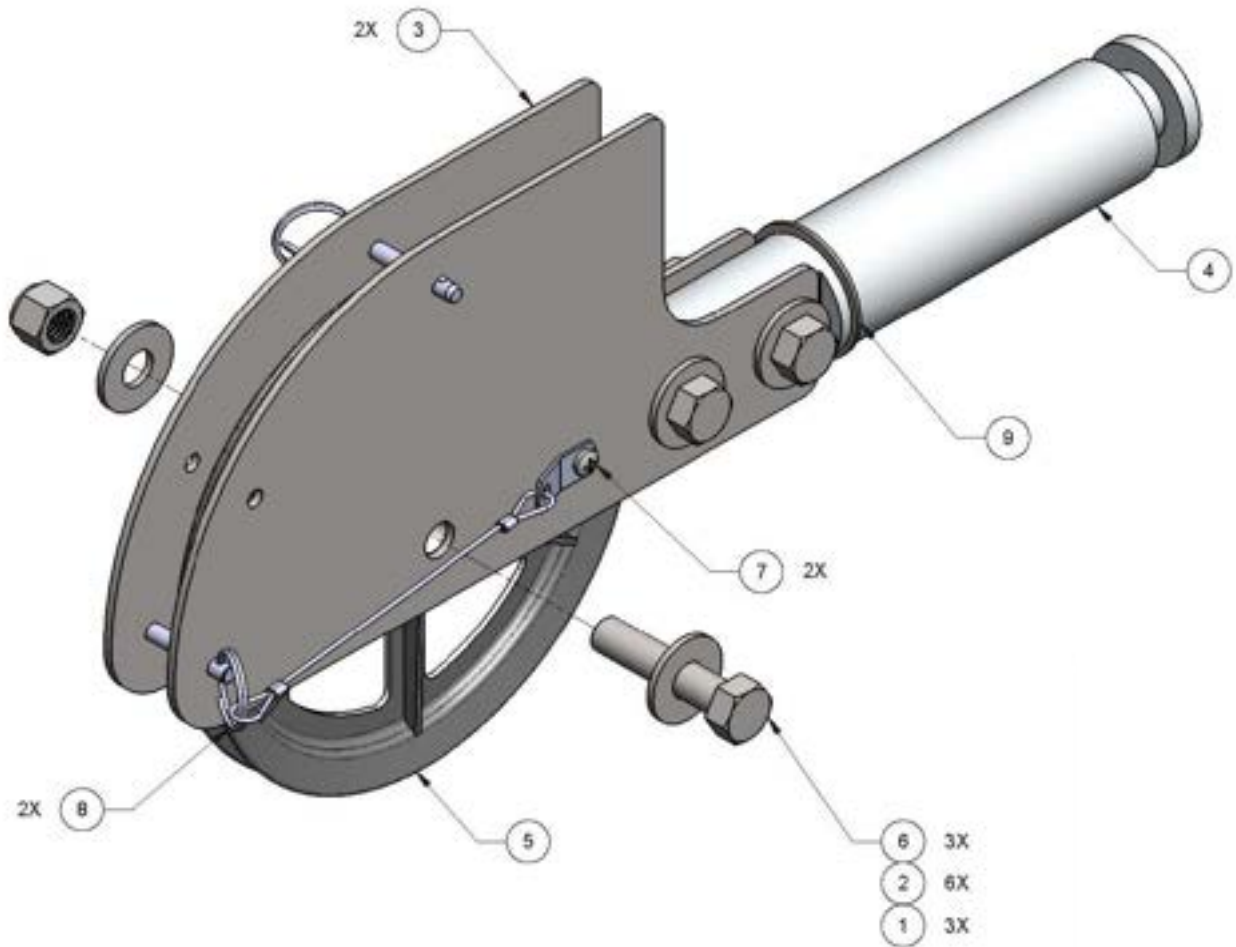
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	<b>840-35012</b>	RECHARGE KIT	<b>COMP KIT</b>
1	603-35024	HOSE, 800 PSI, 1/4" FEMALE CONNECTOR	1
2	566-35083	REGULATOR, TWO GAUGE, 0-30 PSI, NITROGEN	1
3	633-35020	PORTABLE STAND	1
4	867-39354	ASSY,AIR VALVE TO 1/4"	1
	970-35269	PROCEDURE, FIELD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

# ARTICULATING ARM



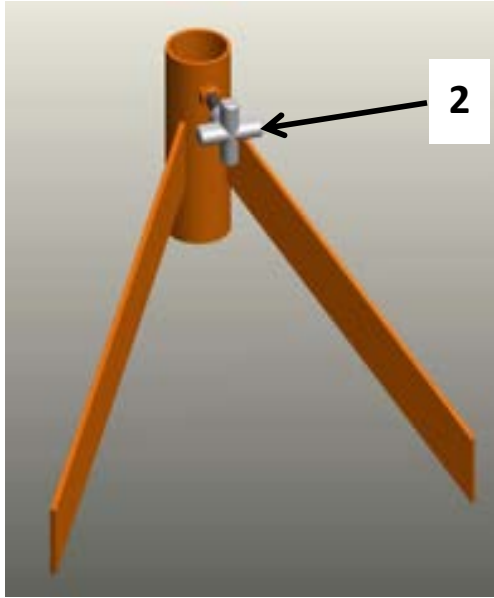
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	<b>867-32615</b>	ENTIRE ASSEMBLY
1	451-39831	BASE,ARTICULATED CBL GUIDE
2	800-20678-31	ASSY,ARM,ARTICULATED CBL GUIDE,RST SILVER
3	867-32400	HEAD ASSY - <b>DWG &amp; BREAKDOWN NEXT PAGE</b>
4	400-20660	PIN,CLEVIS,.5" DIA X 2.75" L STEEL
5	400-20659	PIN,COTTER,HAIRPIN 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
13	867-34001	HEAD ASSY, GUIDE ROLLER,ARTICULATING, <b>MC</b> CABLE
14	867-21720	HEAD ASSY, GUIDE ROLLER, <b>HI LOAD CAPACITY</b> ,ARTICULATING

# ARTICULATING ARM HEAD ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-32400	<b><u>ENTIRE ASSEMBLY</u></b>
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



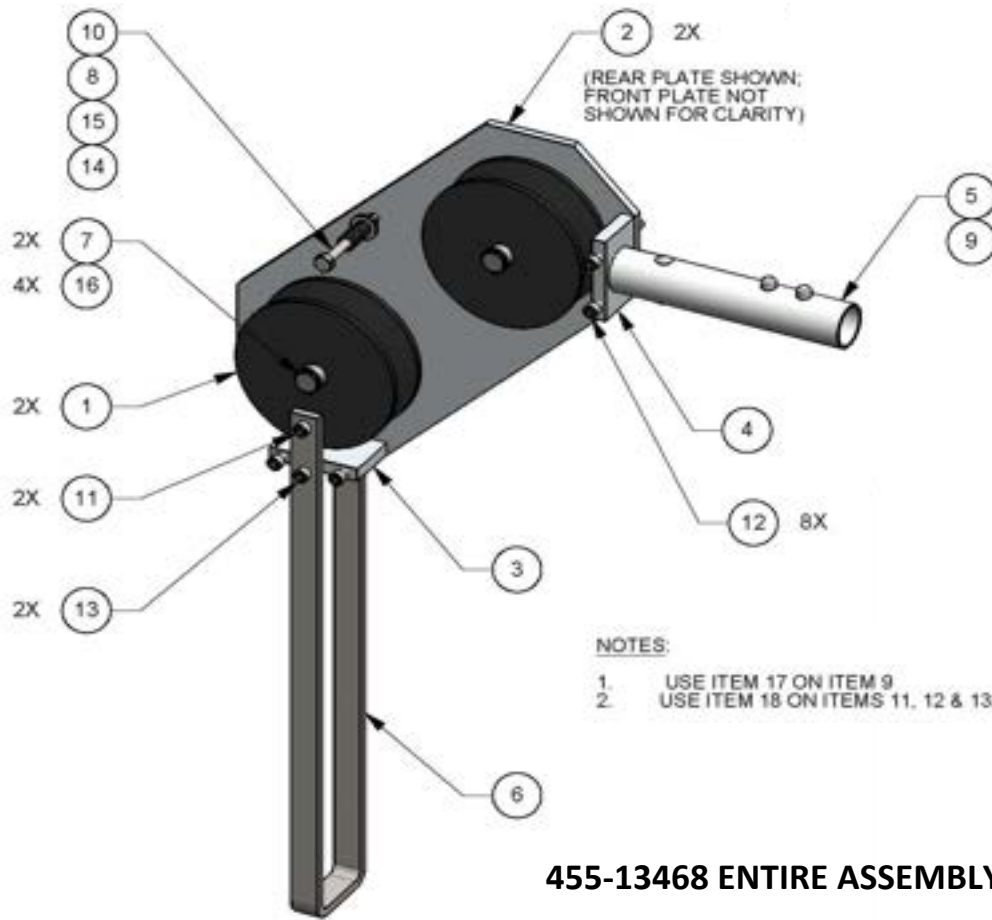
USED WITH TRANSTAR  
AND POLE BELOW

<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	867-21355	MANHOLE HOOK COMPLETE ASSEMBLY
2	805-12527	DRAG BRAKE KNOB & SHAFT
5	867-37072	LIFTING TOOL, POLE

867-18552

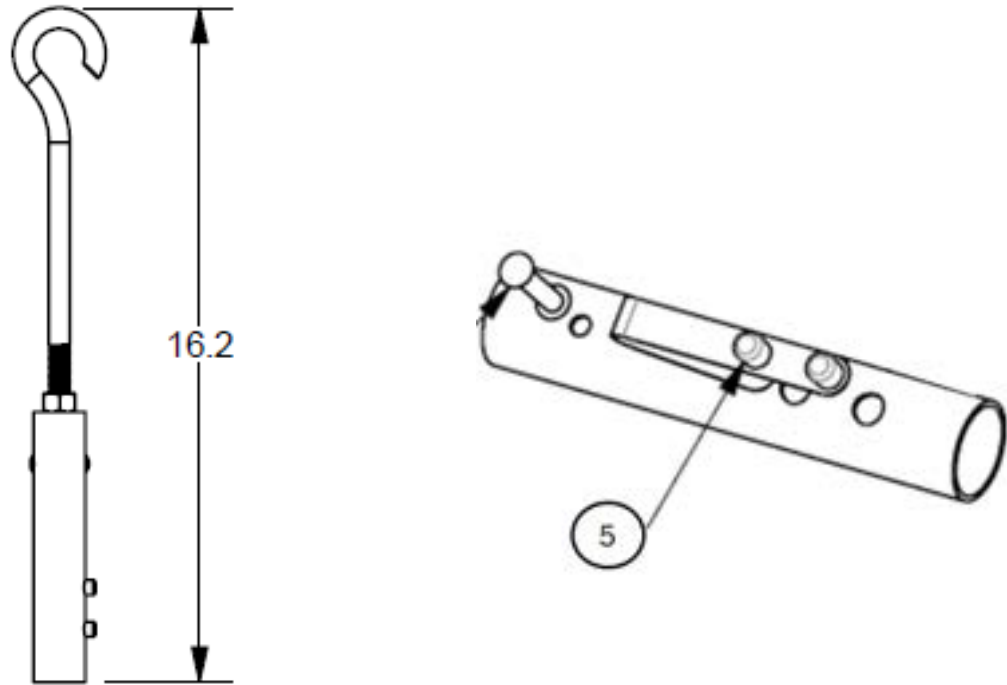
<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	<b>867-18552</b>	COMPLETE DOWNHOLE POLE (60")	COMP
2	405-15873-31	SLEEVE, INTERLOCKING	1
3	401-12481	RIVET, 1/4 X 1-5/8 X 7/16 STEEL	1
4	447-15944	SNAP BUTTON LATCH, DUAL, ZINC PLATE STEEL	1

# DOWNHOLE ROLLER DOUBLE ROLLER ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	449-15325	GUIDE ROLLER, POLYURETHANE
2	453-10552	PLATE,SIDE,DOUBLE ROLLER
3	453-11080	PLATE,CORNER,HOOPE END
4	453-11139	PLATE,CORNER,STEM END
5	867-20890	ASSY,POLE,INTERLOCKING,PUSH BUTTON,6.5 IN
6	451-11198-40	BLOCK,SUPPORT,PINON BEARING,OUTER
7	407-10187	AXLE,INVERT ROLLER
8	446-16853	SPRING,COMPRESS,2-1/8"L,4.3LBS,STL/ZNC
9	300-10415	MSCR,HEXHD,1/2-13X1,GRD5 ZINC
10	300-15253	MSCR,HEXHD,1/4-20X3,GRD 5 ZINC
11	301-10651	MSCR,SHCS,1/4-20X.50 SS
12	301-11005	MSCR,SHCS,1/4-20X.62 SS
13	301-15608	MSCR,SHCS,1/4-20X.87 SS
14	309-13632	NUT,HEX,1/14-20,NYLOCK SS
15	315-11304	WASHER,FLT,.25,SAE ZINC
16	410-13006	RING,SNAP,EXT,.625
17	630-14595	ADH,LOCTITE,271,HIGH STRENGTH(RED),50ML
18	630-16979	ADH,LOCTITE,222,REMOVABLE,(PURPLE) 50ML

# DOWNHOLE ROLLER GRAB HOOK ASSEMBLY



<u>ITEM #</u>	<u>PART #</u>	<u>DESCRIPTION</u>
	<b>867-12371</b>	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



MAINLINE CAMERA CASE  
222-10588

PELICAN BRAND ®



TRANSTAR TRACTOR CASE  
220-10090

Thank you for choosing

