

REPLACEMENT PARTS LIST

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OMNI-EYE SERIES CAMERA REPLACEMENT PARTS AND ACCESSORIES INCLUDES: OEI, OEII, OEIII, ALL ZOOM CAMERAS, & INVESTIGATOR (a.k.a. PoleCam)

OMNI-EYE I CAMERA PARTS ONLY

*** ITEM ABOVE FOR APPLICATION OF HARDWARE

301-15303	10-32x5/8" FLATHEAD SCREW SS, UC CENTER RAIL (2 REQUIRED)
301-12475	8-32x1/4" FLATHEAD UC SS SCREW (2 REQUIRED)
301-12823	8-32x3/8" FLATHEAD UC SS SCREW (5 REQUIRED)
301-12881	8-32x5/8" FLATHEAD SS SCREW (3 REQUIRED)
301-13172	10-32x3/8" FLATHEAD PHH SCREW SS UC (FOR ABOVE SKID)
301-13572	8-32x3/4" FLATHEAD UC SS SCREW (4 REQUIRED)
305-10241	MSCR, SEALING, PAN, PHH, 10-32X1.25 SS
403-13419	SPACER, CENTER TOP RAIL (2 REQUIRED)
440-11014	BELT, 3-D, 100 TEETH, 15.7"L OEI ONLY
450-14625	TOP CENTER BODY SKID - OMNI EYE I ONLY (HEAD STOP)
450-14683	BODY SKID RAILS FOR OEI
450-15680	BOTTOM HEAD SKID
450-15739	TOP HEAD SKID
549-11931-30	QUARTZ WINDOW FOR OE I AND MAINLINE CAMERA
840-10411	OMNI-EYE I CLUTCH HARDWARE KIT
840-20420	WINDOW KIT FOR OEI / MAINLINE CAMERAS (1) 549-11931-30 QUARTZ WINDOW (1) 439-15856 O-RING, SILICONE #040 (1) 439-15616 O-RING, SILICONE, 024 (6) 301-11358 MSCR, PANHEAD, 4-40x5/8", SS, 6 EA
841-12004	10 PACK #791, 35W, (RCA version, MAINLINE/OEI)

OMNI EYE II & OMNI-EYE III SERIES CAMERA PARTS SKIDS & RAILS

301-13515	8-32x1/2" FLATHEAD UC SS SCREW (4 REQUIRED)
301-13742	8-32 x .25" FLATHEAD SCREW, UNDERCUT
301-14203	8-32X .625" PANHEAD SCREW (4 REQUIRED)
403-13419	SPACER FOR MIDDLE BODY RAIL - OEIII
450-10134	SKID RUNNER EXTENSION
450-14159	SKID EXTENSION W/BRIDLE, FOR 6" – 16" ASSY
450-14391	BOTTOM HEAD SKID (APPLICABLE TO OEII / OEIII / OEII Z / OEIII Z / INVESTIGATOR)
450-14449	TOP HEAD SKID – OEII & OEIII SERIES
450-14683	BODY RAIL - OEII & OEIII (3 REQUIRED)
450-20329	TOP BODY SKID (REQUIRES SKID BRACKETS FOR INSTALLATION) (OEIII BODY SKID, TO SKID BRACKETS)
451-20335	TOP BODY SKID BRACKETS (2 REQUIRED)
800-17767	CRADLE, CAMERA, OEII
800-21075	CRADLE, CAMERA, OEIII
807-17784	SKID ASSY, ADJUSTABLE, 6"-16"
807-30408	SKID ASSY, INCLINOMETER, 6", OEII ONLY
807-14797	SKID SET, 5"
840-20504	BOLT, PINCH, KIT (INCLUDES PINCHBOLT & NYLOCK NUT)

SCREWS, O-RINGS & KITS, OEIIZ & OEIIIZ SERIES CAMERAS

439-15321 O-RING, SILICONE, #023 (OEII/III LENS)
439-15557 O-RING, SILICONE, #022 (OEII/III LIGHT REFLECTOR HOUSINGS)
(2 REQUIRED)
701-12230 CASE, CARRYING, CAMERA
840-15131 KIT, HARDWARE, OMNI II CAMERA
840-19920 MAINTENANCE KIT (OEIII)
840-15485 MAINTENANCE KIT (OEII)
840-11060 KIT, O-RING (OEII & OE III)

LAMPS

541-10326 LAMP, HALOGEN, 14V, 25W, #790
(PULNIX OEI & MAINLINE, OEII/OEIII)
541-10385 LAMP, HALOGEN, 14V, 25W, #791 (OEI ONLY)
541-21295 LAMP, HALOGEN, 12V, 20W: OEIIZ & OEIIIZ NON-LISTED
541-30962 LAMP, HALOGEN, 12V, 20W: OEIIZ & OEIIIZ LISTED ONLY
841-12063 10 PACK, #790, 25W
(PULNIX OEI & MAINLINE, OEII/OEIII)
841-31900 10 PACK, ONLY, 12V, 20W: OEIIZ & OEIIIZ ONLY

WINDOW KITS - OMNI-EYE IIZ & IIIZ & INVESTIGATOR CAMERA

301-11181 4-40 X .31 PANHEAD SCREW (RETAINER WINDOW SCREWS)
451-10195 RETAINER WINDOW
840-13442 WINDOW KIT TO INCLUDE:
(1) 549-17208 WINDOW, SAPHIRE
(1) 317-17066 WASHER, FLT, TEFLON
(1) 970-17226 PROCEDURE, INSTALLATION

OMNI STAR COLOR LED CAMERA

840-34471 SCREW KIT, TO INCLUDE:
(9) EA 301-10532, MSCR, FLT, PHH, 4-40 X.25, SS
(8) EA 301-12475, MSCR, FLT, PHH, 8-32 X .25, UNDERCUT, SS
(6) EA 301-13172, MSCR, FLT PHH, 10-32 X .37, UNDERCUT, SS
450-33609-42 SKID, CAMERA HEAD TOP SKID
450-33612-42 SKID, CAMERA HEAD BOTTOM SKID
450-33655 CAMERA BODY TOP RAILS (REQUIRES 2)

NOVA STAR COLOR LED CAMERA

450-20329 TOP BODY SKID (REQUIRES SKID BRACKETS FOR INSTALLATION)
(NOVA STAR & OEIII BODY SKID, TO SKID BRACKETS)
451-20335 TOP BODY SKID BRACKETS (2 REQUIRED)
800-21075 CRADLE, CAMERA, NOVA STAR & OEIIIZ
840-32306 SKID ASSY, ADJUSTABLE, 6"-16"

CABLES, CONNECTORS & PIGTAILS

3-PIN PUSH ON STYLE PIGTAIL

557-13260 PIGTAIL, FEMALE, 3-PIN PUSH ON STYLE, WATER RESISTANT
(MUST BE SOLDERED ON)
560-14003 PLUG, DUMMY FOR 3-PIN FEMALE PIGTAIL
560-15227 PROTECTOR SLEEVE, 3-PIN BULKHEAD CONN. (THREADED)
634-17225 TOOL, PIG TAIL REMOVAL

806-10527 ASSY, CBL, 3-PIN FEMALE PUSH TO TNC (TRACTOR TOP CABLE)
 806-17063 ASSY, CABLE, TEST, 3-PIN FEMALE PUSH -ON / N-PLUG
 806-32662 ASSY, CBL, 3-PIN FEMALE PUSH TO 4 PIN EUROFAST
 (TRANSPORTER TOP CABLE FOR LISTED TRACTOR)

CABLES & CONNECTORS – TWIST-ON BULLET STYLE

557-19528 PIGTAIL, 6-PIN FEMALE SCREW -ON STYLE
 806-19576 ASSY, CBL 3-PIN MALE PUSH-ON TO 6-PIN FEMALE SCREW-ON
 806-19668 ASSY, CABLE, 6-PIN TO TNC, 31: MLT (**TRACTOR TOP CABLE**)
 806-21760 3-PIN (M) SCREW STYLE CONNECTOR to 3-PIN PUSH ON STYLE
 806-30399 ASSY, CABLE, 6-PIN CAMERA TO TNC, S/C CRAWLER, 22-1/2
 CRAWLER TOP CABLE FOR NON-LISTED CRAWLERS)
 806-30631 3-PIN (M) SCREW STYLE to 6-PIN (F) SCREW STYLE
(INTERCONNECT CABLE, TRACTOR TO REEL)
 806-31484 ASSY, CABLE, TEST/ADAPTER CABLE, M/L REEL to CAMERA
 (6-PIN (F) SCREW STYLE TO Np)
 806-32501 ASSY, CBL, 1300 TO TRAC (TNCj/6-PINm) W/ FILTER
 806-34469-12 ASSY, CABLE, 6SKT (IP67) TO 4-PIN EUROFASE, 12 IN
 (TRACTOR TOP CABLE FOR TranSTARS)
 806-34469-21 ASSY, CABLE, 6SKT (IP67) TO 4-PIN EUROFASE, 21 IN
 (CRAWLER TOP CABLE FOR LISTED CRAWLERS)
 806-34469-33 ASSY, CBL, 6-PIN FEMALE SCREW TO 4 PIN 33", EUROFAST
 (TRANSPORTER TOP CABLE FOR LISTED TRACTORS)

BULKHEAD CONNECTORS

557-30633 3-PIN, UNMODIFIED (OLD PART # 557-12796)
 557-32200 6-PIN MALE, THREADED BULKHEAD CONNECTOR, BARE
 806-11000 3-PIN PUSH-ON, PREWIRED (**FOR CAMERA ONLY**)
 806-19679 6-PIN SCREW TYPE, PREWIRED (**OEIII CAMERA NON-LISTED**)
 806-21194 3-PIN PUSH-ON, PREWIRED (**FOR TRACTOR ONLY**)
 806-31431 6-PIN SCREW TYPE, PREWIRED (**ML/OE/OEII CAMERA ONLY**)
 806-31465 6-PIN SCREW TYPE, PREWIRED (**FOR TRACTOR ONLY**)
 806-32514 6-PIN SCREW TYPE, PREWIRED (**OEII LISTED CAMERA**)
 806-33654 6-PIN SCREW TYPE, PREWIRED (**OE STAR CAMERA**)
 806-32688 6-PIN SCREW TYPE, PREWIRED (**OEIII CAMERA LISTED ONLY**)

BULLET-STYLE REMOVABLE PIGTAIL KIT & REPLACEMENT PARTS

807-31639 PROTECTOR SKID, DELRIN, BULLET CONNECTOR
 841-21759 KIT, PIGTAIL, BULLET CONNECTOR 3-PIN SCREW ON, 6-PIN
 PUSH ON STYLE
 841-31486 KIT, INSTALL, FIELD REMOVABLE PIGTAIL, 6-PIN FEMALE
 TO 3-PIN MALE, THREADED CONNECTORS TO INCLUDE:
 (1) 867-31751 ASSY, BULLETT TERMINAL, REMOVABLE PIGTAIL
 SINGLE CONDUCTOR BULLET
 (1) 807-31639 BULLET PROTECTOR DELRIN SLEEVE
 (1) 806-30631 ASSY, CBL, 3-PIN MALE / 6-PIN FEMALE, .4M LONG
 (1) 970-30904 INSTALL. INSTRUCTION MANUAL
 (1) 968-30426 BULLET ASSY. DRAWING
 (1) 634-10347 1/16" ALLEN WRENCH
 841-31910 KIT, CHANGEOVER 6-PIN CONN, TRACTOR, BULLET
 TO INCLUDE:
 (1) 841-31486 Kit install, field removable pigtail 6-p fem – 3-pin m
 (1) 806-31465 Assy, Harness, BHC 6-Pin (M) to Screw-On, MLT
 (1) 806-30631 Assy, Cable, 3-Pin (M)/6-Pin (F), .4M Long

867-31751 REMOVABLE PIGTAIL SINGLE CONDUCTOR TERMINATION BULLET
841-31914 BULLET RETERMINATION KIT, BULLET TO CABLE

MINI CAMERA REPLACEMENT PARTS

SKID KITS AND REPLACEMENT PARTS

305-13745 BODY MOUNTING SCREW, 4-40 X. 188L,SS (1202/1302/1306)
807-13300 KIT, SKIDS, 4" -10" 1201/1202 & 1301/02/06 SERIES CAMS
(INCLUDES BRONZE GUIDES & EXTENSIONS)
807-19075 KIT, SKIDS, 4" – 8" 1207/230 & 1307/1402 SERIES CAMERAS
(INCLUDES BRONZE GUIDES & EXTENSIONS)
840-15503 EXTENSIONS, MINI CAMERA SLEEVES, QTY 18, 1" EXTENSIONS
807-17113 EXTENSIONS, 1", EACH
450-13414 LARGE PHOSPHOR-BRONZE SKID (4 HOLE), EACH
840-14258 LARGE PHOSPHOR-BRONZE SKID KIT, (4-HOLE),
3 PER PKG W/SCREWS
450-13357 SMALL PHOSPHOR-BRONZE SKID (2 HOLE), EACH
840-14200 KIT, SMALL PHOSPHOR-BRONZE SKIDS (2 HOLE),
3 PER PKG W/SCREWS
840-32500 ADAPTER KIT, 1300 CAMERA TO 6-PIN SCREW-ON FOR
MOUNTING TO MAINLINE TRANSPORTER OR SKIDS
(OEII CRADLE, ONLY)

SKID SLEEVES

450-13813-21 ANODIZED ALUMINUM CAMERA SLEEVE FOR 1200 & 1300 SERIES
450-32404-21 ANODIZED ALUMINUM CAMERA SLEEVE FOR 123X & 153X
450-15031 PLASTIC PROTECTIVE SLEEVE FOR 1200 & 1300 SERIES
450-15090 PLASTIC PROTECTIVE SLEEVE FOR 1302 ONLY
450-19037 PLASTIC PROTECTIVE SLEEVE FOR 1207 CAMERA
450-19062 PLASTIC PROTECTIVE SLEEVE FOR 1307 CAMERA
450-32405 PLASTIC PROTECTIVE SLEEVE FOR 1230 CAMERA
450-32433 PLASTIC PROTECTIVE SLEEVE FOR 1235/153X CAMERA

WINDOWS, LENS LAMPS, AND LAMP KITS

541-10503 LAMP ONLY #719, XENON QTY 1 (1202/1302/1306)
541-20963 LAMP ONLY T1-1/2, EACH (1207/1307/1306B)
540-20433 LED, White 5MM Dia., 15 Deg, 6400 CMD
(4 Required for 15XX Series Cameras)
540-20434 LED, White, 5MM Dia, 45-Deg 1100 CMD
(4-Required for 15XX Series Cameras)
840-10116 LENS WINDOW KIT (1201/1202/1301/1302/1306)
840-17770 LENS ASSY FOR 1202/1302
841-11945 KIT, LAMP #719 WITH 4 LAMPS (1202, 1302, 1306)

MINI CAMERA TAIL ASSEMBLIES

867-13285 ASSY, TAIL, 1202/1302 CAMERA, TNC CONN.
867-19070 ASSY, TAIL, REMOVABLE, PLUG, PHENOLIC BALLS, TNC
867-21106 ASSY, TAIL, PLUG, MINI TRACTOR, TNC JACK
867-33048 ASSY, TAIL, PLUG, MINI TRACTOR, 4 PIN EUORFAST
867-19067 ASSY, TAIL, PLUG, SPRING, & BALLS, TNC REMOVABLE

CABLES & CONNECTORS

560-16073 ADAPTER CABLE, MINI TRACTOR TO MAINLINE REEL
TNC – 3-Pin Pigtail (Male)
705-14818 TEST CABLE, MINI SYSTEM TO MINI CAMERA, Np to TNCj

806-10409 3-PIN MALE, PUSH ON, - TNCJ, MINI TRACTOR ADAPTER
 806-10527 TRACTOR TOP CABLE ASSY, OEII (3-PIN PIGTAIL TO TNCp)
 806-10586 3-PIN MALE – PUSH-ON BULLET CABLE TO BULLET
 (1300 CAMERAS TO MAINLINE REEL)
 806-10704 INTERCONNECT CABLE, 3-PIN MALE PIGTAIL, N-JACK
 (MAINLINE REEL TO PUSH CABLE REEL ADAPTER)
 806-10822 ADAPTER CABLE, 1300 TO MAINLINE TRACTOR,
 TNCp – 3-PIN TNCj W/FILTER
 806-19576 ASSY, CBL 6-PIN (F) TURCK TO 3-PIN (M) PUSH ON
 806-19668 ASSY, CBL, (TRACTOR TOP CABLE) 6-PIN TO TNC
 806-21296 ASSY, CBL, ADAPTER, 3-PIN (M) TURCK TO Nj, 2FT
 806-32900 ASSY, CBL, ADAPTER, 3-PIN (M) TURCK TO TNCj

MISC PARTS & KITS – MINI CAMERAS

633-12289 FOCUS ADJUSTMENT TOOL (1202/1302/1306)
 840-10706 CAMERA TRACTOR MOUNTING KIT, ADAPTER, 1302/1306
 CAMERA-MAINLINE EQUIPMENT INCLUDES:
 (1) 450-13927-21 TUBE, SLEEVE, ALUM, 15"L, ANODIZED
 (1) 840-19446 ADAPTER TUBE MOUNTING HARDWARE KIT

CONTROLLERS PARTS AND ACCESSORIES

DESKTOP AUXILIARY CONTROLLER REPLACEMENT PARTS

542-13658 MINI TOGGLE SWITCH – IRIS OR FOCUS
 (SPDT MOMENTARY) LEFT & RIGHT SIDES
 542-12037 PUSH BUTTON W/O LABEL
 542-30606 SWITCH, 3-WAY, 5A (ZOOM/NON-ZOOM FUNCTION)
 706-31314 LABEL FOR CONTROLLER BOX
 806-11177 POWER CORD, SHIELDED TWINAX
 806-17873 IRIS or FOCUS TOGGLE SWITCH ASSY (PREWIRED)
 861-18827 ASSY, PCB, DTMF ENCODER (CIRCUIT BOARD ASSY)

DIAMOND PLATE/BOX CONTROLLER PARTS 1300

452-14222 SUN VISOR

MAINLINE CONTROLLER PARTS

861-31809 ASSY, PCB, RIPPLE FILTER, SINGLE FET, NON-LISTED
 861-31811 ASSY, PCB, RIPPLE FILTER, SINGLE FET, LISTED

TRANSPORTER REPLACEMENT PARTS & ACCESSORIES

TREAD DRIVE OPTION ASSEMBLY & REPLACEMENT PARTS

032-02100-00 COMPLETE TREAD DRIVE KIT TO INCLUDE:
 (1) 807-10901 SKIDS WITH BRIDLE
 (1) 634-17242 5/16" ALLEN WRENCH, LONG ARM
 (1) 866-17655 LEFT TREAD DRIVE
 (1) 866-17654 RIGHT TREAD DRIVE
 (4) 800-17116 3.38" SPACER
 (4) 800-17114 1" SPACER
 (4) 800-17115 1.75" SPACER
 (4) 403-11188 TREAD DRIVE TRACTOR BODY SPACER
 (1) 970-18598 INSTALLATION & OPERATIONS MANUAL
 (4) 300-17207 BUTTONHEAD SCREW ½"-13x1.75" L SS
 840-18353 KIT, ACCESSORY, TREAD DRIVE MAINLINE TRANSPORTER
 867-17243 ASSY, CHAIN, TREAD DRIVE, MAILINE TRANSPORTER (1 PER SIDE)

STANDARD TRANSPORTER AXLE EXTENSIONS

407-11484 8" AXLE EXTENSION (SHANK 1" LONG), 6 REQUIRED
407-11366 10" AXLE EXTENSION (SHANK 1.75" LONG), 6 REQUIRED
407-11425 12" AXLE EXTENSION (SHANK 3.5" LONG), 6 REQUIRED

ADHESIVES FOR INSTALLING TIRES ONTO BRASS WHEELS

630-14943 LOCTITE #410, 20 GRAM BOTTLE

STANDARD TRANSPORTER TIRES, WHEELS, & ACCESSORIES

443-15618 TIRES, STANDARD KNOBBY, EACH
443-10603 WHEEL, STANDARD WITH KNOBBY TIRE (ORDER 6 PER), EACH
443-10544 WHEEL, STANDARD, HUB ONLY, BRASS, EACH
443-15559 TIRE, STANDARD KNOBBY STUDDER, EACH
443-15441 WHEEL, STANDARD, WHEEL W/STUDDER TIRES, EACH
443-10190 WHEEL, CASTER, HI TRACTION, 8"-16" APPLICATION, EACH
443-21569 WHEEL, CASTER, HI TRACTION, STUDDER, 8"-16" EACH
443-15831 WHEEL WIRE, SS, M/L TRACTOR (ORDER 6 PER), EACH
867-21714 BALLOON KNOBBY TIRE / WHEEL ASSEMBLY, EACH

STANDARD TRANSPORTER BODY SKID RAILS

301-12707 SCREW, MSCR, FLT, PHH 8-32 X .37 SS (4 REQ FOR SKID BRKT)
301-12243 SCREW, MSCR, FLT. PHH 8-32 X .37, SS (TOP SKID & CBL COVER
450-19092 SKID RAIL, BOTTOM, PROTECTOR RING TYPE (2 REQUIRED)
450-19093 SKID RAIL, TOP, PROTECTOR RING TYPE
451-14432 MTG BRACKET, SKID, BOTTOM (2 REQUIRED)
451-14451 TOP COVER, RAIL, MAINLINE TRACTOR
451-19072 SKID, CABLE COVER, TOP MOTOR
807-21024 BOTTOM SKID SET W/BRIDLE (RING PROTECTOR)
840-21023 KIT, BULKHEAD PROTECTION RING & SKIDS INCLUDES:
(1) TRANSPORTER TOP SKID
(2) TRANSPORTER BOTTOM SKID
(1) TOP MOTOR RAIL
(1) BULKHEAD PROTECTION RING
867-12313 BRIDLE TOW, 18"

STANDARD TRANSPORTER MOTOR PARTS

408-20423 COUPLING, CLUTCH, FEMALE S/S
453-13930-21 TRACTOR BACK PLATE, ANODIZED BARE
555-11154 TNCj BULKHEAD CONNECTOR, CAMERA POWER TO TRACTOR
557-30002 4-PIN EUROFASE (LISTED) BULKHEAD CONNECTOR
557-32200 BULKHEAD CONNECTOR, 6-PIN, ETL LISTED
560-15227 3-PIN BULKHEAD PROTECTOR SLEEVE
602-10512 SCHRADER VALVE FOR PRESSURE TESTING EQUIPMENT
635-17887 TRACTOR MOTOR 90VDC
802-11352 TRACTOR BACK PLATE WITH 3-PIN PREWIRED BHC & TNCj
802-17886 3-PIN TRACTOR BACK ASSY, INCLUDING CIRCUIT BOARDS
802-31479 6-PIN TRACTOR BACK (TNC) ASSY, INCLUDING CIRCUIT BOARDS
802-32505 6-PIN TRACTOR BACK (LISTED) ASSY, INCL. CIRCUIT BOARDS
806-21194 BHC, 3-PIN PUSH ON STYLE, PRE WIRED (**TRACTOR ONLY**)
861-14085 TRACTOR MOTOR POWER SUPPLY CIRCUIT BOARD ASSEMBLY
861-21321 RELAY FILTER CIRCUIT BOARD ASSEMBLY, TYPE "A"
867-20813 ASSY, CLUTCH, REVERSING, M/L TRACTOR
867-14724 ASSY, CLUTCH, M/L TRACTOR

861-33241-2 ASSY, PCB, MPU, DTMF, LOCKED ROTOR, BLT C, PROGRAMMED
 861-32706 ASSY, PCB, PWR SPLY, TYPE C, MLT (LISTED M/L TRACTOR)
 861-31755 ASSY, PCB, RELAY/FILTER, 'A' MOTOR, BLT, ISOLATED SAFETY
 GROUND (LISTED M/L TRACTOR)

**STANDARD TRANSPORTER BODY PARTS - AXLE/GEAR ASSEMBLIES
 AND PARTS**

301-13856 SCREWS, MSCR, FLT, PHH, 10-32 X 1-25, SS
 405-10658 TRACTOR AXLE BUSHINGS .375" I.D.
**NOTE: THESE BUSHINGS MUST BE REAMED WITH A .379-INCH
 REAMER AFTER BEING INSTALLED - ORDER RST PART #633-15420**

400-20021 DOWEL PIN
 407-20405 MAIN DRIVE AXLE ONLY
 407-20407 WHEEL DRIVE AXLE ONLY
 410-13180 SNAP RING, EXT.750
 439-10719 SEAL, TRACTOR AXLE FOR 3/8" DIAMETER AXLE
 453-15447 BOTTOM BASE PLATE, BRASS, M/L TRACTOR
 453-15565 LEFT SIDE PLATE, BRASS, M/L TRACTOR
 453-15624 RIGHT SIDE PLATE, BRASS, M/L TRACTOR
 453-18594 FRONT & CRADLE BRASS MOUNTING BLOCK
 606-13439 MAIN DRIVE BEARING BLOCK (DOES NOT INCLUDE BUSHING)
 633-15420 REAMER, .379" FOR TRACTOR AXLE BUSHING
 805-19449 WHEEL DRIVE AXLE & GEAR ASSEMBLY (INCLUDES PIN & CLIP)
 840-20808 KIT, GEAR, DOUBLE HUB, (INCLUDES PIN & CLIP)
 840-20809 KIT, GEAR, SINGLE HUB (INCLUDES PIN & CLIP)
 840-21285 REBUILD KIT, TRACTOR BODY,
 840-31609 MAIN DRIVE AXLE ASSEMBLY REPLACEMENT KIT

MISC. PARTS, HARDWARE KITS, GREASE, GASKETS, ETC.

400-10656 PIN, MOTOR MOUNTING
 439-10778 GASKET, TRACTOR TOP
 451-15092 GREASE DAM
 453-14164 COVER, GEAR, MAINLINE TRACTOR
 630-12577 GREASE, SEMI-FLUID UTILITY TYPE 3 6 OZ. JAR
 800-15305 MAINLINE TRACTOR STORAGE MOUNT BRACKET
 840-11296 KIT, HARDWARE, M/L TRACTOR
 840-20821 GEAR COVER STANDOFF REPAIR KIT

***WHEN INSTALLING NEW GEARS ON MAIN DRIVE AXLE SHAFT OR REPLACING
 ENTIRE ASSY, THE CENTER BEARING BLOCK IS RE-INSTALLED ON THE SHAFT WITH NO
 BUSHING. THIS REDUCES DRAG ON THE MOTOR, AND A BUSHING IS NOT NECESSARY FOR
 SUPPORT. IT MUST BE RE-INSTALLED TO PLUG THE HOLES IN TRACTOR SIDE PLATES.***

STANDARD TRANSPORTER CRADLE ASSEMBLIES & REPLACEMENT PARTS

305-15315 CRADLE PIVOT BOLTS
 450-17766 SKID RUNNER, TRACTOR CRADLE, 1/2"X1/2", DELRIN, EACH
 451-17765 FORK, CRADLE, SQUARE TUBE, M/L/OE/OEII CAMERA
 453-30321-21 CENTER CRADLE PLATE
 453-10965-21 LEFT SIDE CRADLE PLATE, EACH
 453-14802-21 RIGHT SIDE CRADLE PLATE, EACH
 800-21074 ASSY, CRADLE FORKS, WELDED, OE3/NOVA
 800-33357 ASSY, CRADLE FORK, WELDED, OMNISTAR
 301-18563 MSCR, HEXHD, 1/4-20 x 1.50 (CENTER PLATE "JACK" BOLT)
 309-12653 NUT, HEX, 1/4-20 (CENTER PLATE "JACK" BOLT NUT)

CAMERA CRADLES

800-17767 CAMERA CRADLE ASSY., MAINLINE/OEI/OEII
800-21075 CAMERA CRADLE ASSY., OEIII/NOVASTAR
800-33353 CAMERA CRADLE ASSY., OE STAR
840-18252 OE/OEII CRADLE FORK UPGRADE KIT TO INCLUDE:
(1) STAINLESS FORKS
(2) SKID RUNNERS
(1) HARDWARE

6" & 8" CRAWLER MOTOR / GEARBOX REPLACEMENT PARTS

410-19071-21 PROTECTOR RING
450-30580 BOTTOM MOTOR SKID
450-30507 TOP MOTOR SKID
805-30234 COMPLETE SINGLE CONDUCTOR MOTOR/GEARBOX ASSY,
6-PIN, THREADED, LISTED
806-30399 CRAWLER TOP CABLE TNCp to 6-PIN THREADED CONNECTOR
806-31465 6-PIN THREADED REAR BULKHEAD CONNECTOR PREWIRED
TRACTOR OR CRAWLER
867-34233 TOW BRIDLE 60", .25" EYELETS, 2-PIECE

6" CRAWLER TRACK DRIVE REPLACEMENT PARTS

305-32637 CHAIN TENSION BOLT 6" CRAWLER
311-32638 CHAIN TENSION ADJ NUT
401-12771 POP RIVET .125" DIAMETER / .188" - .250" LENGTH SS
404-16026 SPROCKET BEARING (DRIVE AND IDLER) 1 REQUIRED FOR EACH
405-33032 REAR DRIVE BUSHING
448-32642 CHAIN TENSION STOP ADJ 6" CRAWLER
449-30327 BRIDLE CLAMPS
449-30907 CHAIN GUIDE WITH **LEFT OFFSET**
449-30908 CHAIN GUIDE WITH **RIGHT OFFSET**
**NOTE: (1) LEFT AND (1) RIGHT CHAIN GUIDE ARE REQUIRED
FOR EACH TRACTOR SIDE**
451-15387 CRAWLER PAD FOR 6" CRAWLER (DOUBLE RIVET DESIGN)
805-30763-40 DRIVE SPROCKET # 35 CHAIN 11 TEETH (REAR)
805-33065 IDLER SPROCKET # 35 CHAIN 11 TEETH (FRONT)
866-31697 6" FRONT END ASSEMBLY W/TREADS W/O ACCESSORY KIT
866-30378 ASSEMBLY TREAD DRIVE COMPLETE (1 PER SIDE)
867-30584 ASSEMBLY CHAIN TREAD DRIVE #35 CHAIN W/ 41 PADS
(1 PER SIDE)

8" CRAWLER TRACK DRIVE REPLACEMENT PARTS

401-12771 POP RIVET .125" DIAMETER / .188" - .250" LENGTH SS
404-13120 BALL BEARING 1.125OD,.500 BORE,.312 WIDE DOUBLED SEALED
449-24013 CHAIN GUIDE RAILS (NOTE: 2 REQUIRED PER SIDE), EACH
449-30327 BRIDLE CLAMPS
451-30611 REPLACEMENT PADS (DRILLED, SINGLE OR DUAL RIVET, EACH
805-31508 IDLER SPROCKET #40 CHAIN 12 TEETH (FRONT)
805-24114-40 DRIVE SPROCKET #40 CHAIN 12 TEETH (REAR)
866-31900 8" FRONT END ASSEMBLY W/TREADS
866-31667 ASSEMBLY TREAD DRIVE COMPLETE (1 PER SIDE)
867-24026 TREAD DRIVE CHAIN ASSEMBLY # 40 CHAIN, 36 PADS

STEERABLE STORM DRAIN (LARGE LINE) TRACTOR PARTS

301-15193	FRONT BUMPER MTG BOLTS
541-20296	LAMP, REPLACEMENT FOR WATERTIGHT LIGHT
803-17819-21	ASSY, FRONT BUMPER
807-17895-21	LEFT ELEVATOR SKID ASSY
807-17894-21	RIGHT ELEVATOR SKID ASSY
840-17645	CAMERA MOUNTING KIT OEIII
867-14840	ASSY, LIFTING BRACKET (REAR BUMPER)
867-17906	ASSY, WHEEL, 11"X4", GSDT
860-34060	HI-TRACTION TIRES 13"x 5"x 6", R-1 DESIGN, EA.

NOTE: REQUIRES SPACERS TO BE INSTALLED ON FRONT BUMPER ASSEMBLY

LARGE LINE LIGHTS PARTS & ACCESSORIES

541-10090	LAMPS FOR LARGE LINE LIGHTS, 65W 12V
549-12401	WINDOW FOR LARGE LINE LIGHT, 2" x 1/4" THICK, QUARTZ
840-15426	KIT, O-RING, LARGE LINE LIGHT HEAD
861-18596	ASSY, PCB, CONSTANT CURRENT SOURCE W/O C2

CABLE

569-19107	SINGLE CONDUCTOR, KEVLAR ARMORED, PER FOOT
569-20283	SINGLE CONDUCTOR, STEEL ARMORED, PER FOOT
569-20686	MULTI-CONDUCTOR, PER FOOT

3-PIN FEMALE PUSH-ON, TERMINATED

806-15188	ASSY, SINCON, 2000' - TERMINATED (SPECIAL ORDER)
806-15011	ASSY, SINCON, 1500' - TERMINATED (SPECIAL ORDER)
806-14778	ASSY, SINCON, 1000' - TERMINATED (SPECIAL ORDER)
806-10291	ASSY, SINCON, 500' - TERMINATED (SPECIAL ORDER)

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

806-31523	ASSY, SINCON, 2000' - TERMINATED (SPECIAL ORDER)
806-31522	ASSY, SINCON, 1500' - TERMINATED (SPECIAL ORDER)
806-31521	ASSY, SINCON, 1000' - TERMINATED (SPECIAL ORDER)
806-31520	ASSY, SINCON, 500' - TERMINATED (SPECIAL ORDER)

EXPLOSION PROOF TERMINATED

806-32386	ASSY, SINCON, 2000' -TERMINATED (SPECIAL ORDER)
806-33967	ASSY, SINCON, 1500' - TERMINATED (SPECIAL ORDER)
806-33267	ASSY, SINCON, 1000' - TERMINATED (SPECIAL ORDER)

PUSH CABLE ASSEMBLIES, TERMINATED

806-10469	ASSY, CBL, PUSH 150', TERMINATED
806-20807	ASSY, CBL, PUSH 200', TERMINATED
806-20530	ASSY, CBL, PUSH 250', TERMINATED
806-20531	ASSY, CBL, PUSH 300', TERMINATED

AIRCRAFT CABLE, PER FOOT

569-13266	CBL, AIRCRAFT, 1/8", 7/19 STRND, SS, PER FOOT
569-13380	CBL, AIRCRAFT, 1/8", 1000'
569-13494	CBL, AIRCRAFT, 3/16", 7/19 STRND, SS, PER FOOT
569-18971	CBL, AIRCRAFT, 3/16", 500'

IN-LINE SONDE TRANSMITTERS

806-31769 ASSY, CBL, SONDE 3-PIN TO 6-PIN
841-30268 FACTORY UPGRADE SONDE KIT
841-33232 KIT, FIELD TERMINATION, SPRING COUPLER W/SONDE

CABLE REEL PARTS AND CABLE ASSYS

COMPACT PORTABLE REEL MECHANICAL REPLACEMENT PARTS

407-17328 SHAFT, WHEEL, COUNTER, ENGLISH, CPR
407-15913 PAWL, LEVEL WIND FOLLOWER
407-19728 SHAFT, LEVEL WIND, 10" REEL, CPR
443-10485 WHEEL, SEMI-PNEUMATIC, 8 X 2.50, 5/8"AXL
443-13810 WHEEL, SENSOR, FOOTAGE COUNTER
443-19707 ROLLER, GUIDE, TOP, 1.5", MML
446-14157 SPRING, WHEEL TENSION, FOOTAGE COUNTER
449-15325 ROLLER, GUIDE, POLYURETHANE
451-19723 BLOCK, FOLLOWER, CPR
451-19761 BRKT, DRAG CLUTCH, CPR
452-19758 BOX, JUNCTION, CAMERA PWR & FTG, CPR
635-14080 MOTOR, 1/2 HP, POR/CPR
805-31064 ASSY, CLUTCH, CPR
867-13456 COUNTER, MECHANICAL, 5 DIGIT, 10CTS
867-19495 ASSY, COUNTER, FTG, CPR

COMPACT PORTABLE CABLE REEL ELECTRICAL REPLACEMENT PARTS

555-13488 CONN, N, JACK, SQ FLANGE MT, SOLDER CUP
556-10977 JACK, 4PIN, PANEL MT, (FOOTAGE CONNECTOR)
560-17861 CONN, SLIP RING, RCPT, 3COND, COAX, 3-6" LEADS
560-17862 SLIP RING, 3 CONDUCTOR, COAX
806-18586 ASSY, HARNESS, FOOTAGE ENCODER, W/CABLE, W/BRKT
863-20537 ASSY, CNTRLR, SPEED, MOTOR, 120VAC, CPR

PUSH REEL REPLACEMENT PARTS (STANDARD PUSH REEL, ONLY)

841-11650 RETERMINATION FOR PUSH CABLE 2X
806-11117 CABLE ASSEMBLY, CONTROLLER TO PUSH REEL SLIP RING

MAINLINE CABLE REEL REPLACEMENT MECHANICAL PARTS

404-14210 PINION BEARING
407-15913 FOLLOWER PAWL, LEVELWIND
407-12831 GUIDE ROLLER SHAFT
407-13465 LEVEL WIND SHAFT
407-15497 TORQUE ARM SHAFT
408-11721 SLIP RING COLLAR
441-11722 48-TOOTH SPROCKET (ON SINCON ROLLER WHEEL)
441-13239-30 168 TOOTH RING GEAR
443-13753-21 SINGLE CONDUCTOR COUNTER WHEEL
444-12255 HOOK, SNAP SWIVEL
444-11901 QUICK LINK
445-13183 TORQUE ARM ASSY
446-14273 FOLLOWER PAWL SPRING
446-14157 SPRING, WHEEL TENSION, FOOTAGE COUNTER
447-10545-31 CENTER SUPPORT BAR 17"
447-10663 KNOB, ALUM, MOTOR SPEED CONTROL
448-11253 CABLE GRIP ASSY W / SNAPHOOK & QUICKLINK
448-11312 MACHINED CABLE GRIP ONLY

448-11430	DRAG BRAKE FOLLOWER
448-11548	DRAG BRAKE PAD
449-15325	GUIDE ROLLER POLYURETHANE (V-GROOVE WHEEL)
451-10135-31	GUIDE ROLLER BRACKET (SLOTTED)
452-10316	DRIP PAN, 29"X40"X1", STAINLESS STEEL
543-10858	PINION ENGAGEMENT SOLENOID
805-11663	24-TOOTH SPROCKET (ON FOOTAGE COUNTER SHAFT)
805-14198	HIGH SPEED BENDIX ASSEMBLY (WITH 2 SPROCKETS)
805-14140	LOW SPEED BENDIX ASSEMBLY (WITH 1 SPROCKET)
805-19193-31	DRAG BRAKE FLANGE HOUSING ASSEMBLY
840-20802	FOOTAGE COUNTER CHAIN REPLACEMENT KIT
864-16909	FOLLOWER BLOCK ASSEMBLY WITH BRONZE BUSHING
867-13684	COMPLETE LEVEL WIND & COUNTER ASSEMBLY
867-20485	MECHANICAL FOOTAGE COUNTER, MAINLINE REEL
407-12367	SHAFT, FOOTAGE COUNTER
443-13810	FOOTAGE SENSOR WHEEL (DAISY WHEEL)
451-15091	FOOTAGE ENCODER BRACKET
452-11199-31	BOX, COUNTER HOUSING W/LID, BLUE
505-10486	SHAFT LOCK (FOR FOOTAGE SENSOR WHEEL)
505-19289	SHAFT LOCK BUSHING (FOR FOOTAGE SENSOR WHEEL)
800-21109	FOOTAGE COUNTER GUIDE ROLLER, ASSY, SS
805-21529	PINCH ROLLER ASSY
806-18586	ASSEMBLY FOOTAGE ENCODER HARNESS W/CABLE & BRKT
841-11414	REPAIR KIT, FOOTAGE ENCODER (DAISY WHL) KIT, TO INCLUDE: (1) SHAFT (1) WHEEL (1) CIRCUIT BOARD (1) SET BUSHINGS AND BEARINGS AS NEEDED

MAINLINE CABLE REEL ELECTRICAL PARTS

451-11315	BRACKET, LIMIT SWITCH
503-12789	RES, VAR, 2W, 10% 10K (MOTOR SPEED CONTROL)
529-11682	FUSE, 10-AMP, MOTOR CONTROL BOARD
529-10384	CIRCUIT BREAKER, 12A,
529-10502	CIRCUIT BREAKER, 3A, ½ MTG HOLE
542-12389	LIMIT SWITCH
542-14639	SWITCH, TOGGLE, SPST, IN / OUT CONTROL
542-14233	SWITCH, TOGGLE, SPDT, CENTER OFF, HIGH-LOW
542-14291	SWITCH, TOGGLE, SPDT MOMENTARY, ON / OFF
543-15755	RELAY, 120V (3 REQUIRED)
543-10209	RELAY, 48V (2 REQUIRED)
557-13260	3-PIN PIGTAIL, FEMALE 1EA (M/L REEL)
560-11746	SLIP RING CONNECTOR (TWO 6" LEADS)
560-11687	SLIP RING CAP (2 SOLDER TABS)
560-11628	SLIP RING, MERCURY WETTED, SEALED (2 CONDUCTOR)
560-17862	SLIP RING, MERCURY WETTED, SEALED (3 CONDUCTOR)
560-17861	SLIP RING CONNECTOR (THREE 6" LEADS)
560-17860	SLIP RING CAP (3 SOLDER TABS)
560-34363	SLIP RING, MERCURY WETTED, SEALED (4 CONDUCTOR)
560-11569	SLIP RING, MERCURY WETTED, SEALED (6 CONDUCTOR)
560-21904	SLIP RING, MERCURY WETTED, SEALED (8 CONDUCTOR)
635-13163	MOTOR, ¾ HP, 90V
806-18586	ASSY, HARNESS, FOOTAGE ENCODER
863-10905	CONTROLLER, MOTOR SPEED

REMOTE POWER WINCH II REPLACEMENT PARTS

407-15913 FOLLOWER PAWL, LEVELWIND
407-16120 LEVEL WIND SHAFT
400-16124 CLEVIS PIN
441-16118 LEVEL WIND DRIVE SPROCKET
443-16123 LEVEL WIND GUIDE ROLLER
443-16141 WHEEL, SEMI-PNEUMATIC, 12 X 3, 3/4" AXLE
449-15325 ROLLER
451-16121 LEVEL WIND MOUNTING BLOCK
800-16127 LEVEL WIND TORQUE ARM ASSEMBLY
805-16078 DRIVE MOTOR ASSEMBLY
806-15129 14-3 POWER CORD, 20FT

POWER WINCH 1 (REPLACEMENT PARTS ONLY)

444-12255 SWIVEL SNAP HOOK
444-11901 QUICK LINK
635-14080 DRIVE MOTOR
443-10485 WHEEL, SEMI-PNEUMATIC, 8 X 2.50, 5/8" AXLE

DOWNHOLE ROLLER REPLACEMENT PARTS

449-15325 REPLACEMENT GUIDE ROLLER (V-GROOVE WHEEL)
805-12527 DRAG BRAKE SHAFT HANDLE ON MANHOLE ASSEMBLY
405-15873-31 SLEEVE, INTERLOCKING
410-13006 SNAP RINGS, 5/8" (FOR ROLLER SHAFT)
300-12361 1/4-20X3" HEX BOLT & NUT (DOWNHOLE ROLLERS)
447-15944 SNAP BUTTON LATCH
446-16853 SPRING

ARTICULATING ARM REPLACEMENT PARTS

400-20659 PIN, SPRING-STYLE, 3/8" > 3/4", .093 WIRE
400-20660 PIN, CLEVIS, .5" DIA X 2.75" L STEEL
400-32402 PIN, QUICK RELEASE, SELF LOCK W/LANYARD
440-32401 PULLEY, IDLER, V-BELT
447-10073 KNOB, CAST IRON, 3/8-16, 2.0DIA, 1.12H, CAD PLATED
453-30498 PLATE, SIDE, GUIDE ROLLER, ARTICULATING ARM

INVESTIGATOR CAMERA SYSTEM

443-32561 WHEELS
455-30266 BOOT CONNECTION PROTECTOR
455-32296 FIBERGLASS EXTENSION POLE
548-30699 BATTERY PACK, WAIST MOUNTED W/CHARGER
548-30699-1 CHARGER, BATTERY REPLACEMENT, BESCOR ATM-PRB
806-32568-01 INTERCONNECT CABLE, 30', CONTROLLER TO CAMERA
863-31371 HAND HELD AUXILIARY CONTROLLER
867-33327 ASSY, INTERFACE, POLECAM SYSTEM TO MAINLINE SYSTEM
867-33303 STEADY REST ASSY, 32"
888-32980 ASSY, CABLE, POLE CAM TO SINCON CABLE

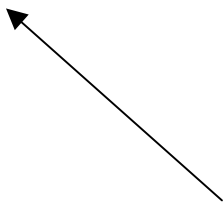
*EQUIPMENT PICTURES
WITH MOST FREQUENTLY
ORDERED PART NUMBERS
BY PRODUCT*

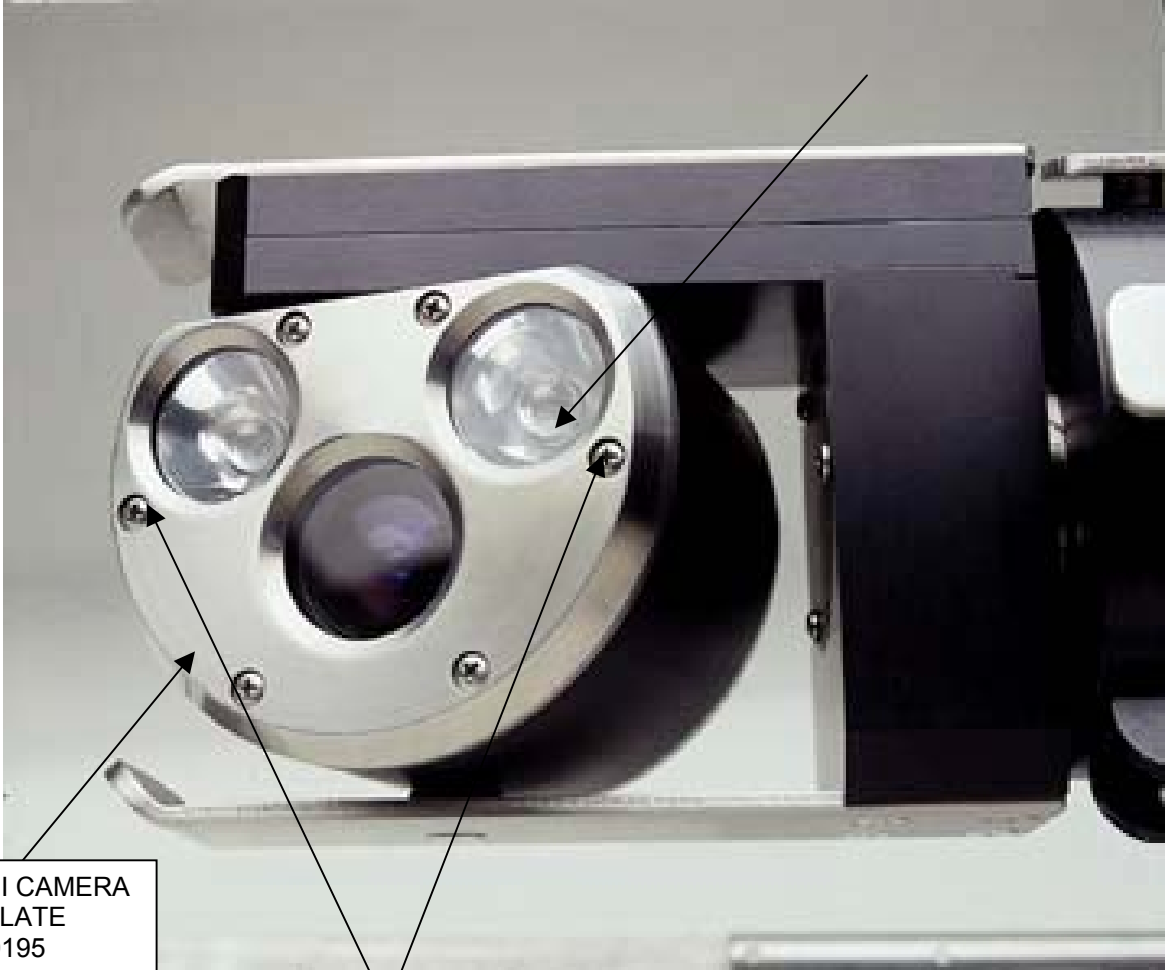
LAMP SOCKET & REFLECTOR
ASSEMBLY #802-11470

TOP HEAD SKID
#450-14449

LAMP, HALOGEN
#541-30962 ZOOM/LISTED ONLY
#541-10326 NON-ZOOM
#541-21295 ZOOM/NON-LISTED

LENS AND LAMP
WINDOW KIT
#840-13442



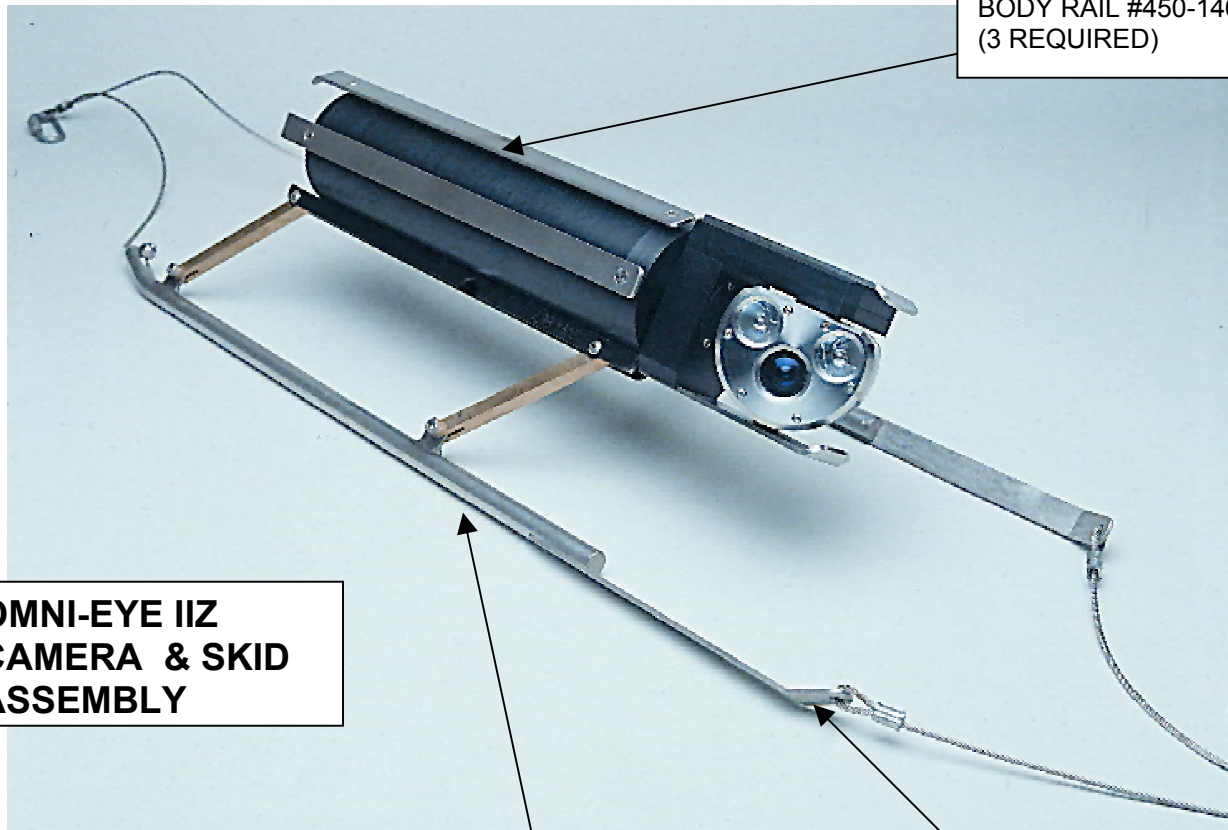


OE II / III CAMERA
FACE PLATE
#451-10195

SCREWS, FACE PLATE, OE
II / III CAMERA #301-11181
(6 REQUIRED)

BOTTOM HEAD SKID
#450-14391

**RST OMNI-EYE SERIES CAMERAS ARE LISTED AND
CERTIFIED AS SAFE FOR USE IN A WET ENVIRONMENT
(SEE METAL TAG ATTACHED TO CAMERA)**



BODY RAIL #450-14683
(3 REQUIRED)

**OMNI-EYE IIZ
CAMERA & SKID
ASSEMBLY**

SKID ASSY, ADJUSTABLE,
FOR 6" - 16" PIPE #807-17784

SKID RUNNER
EXTENSION
#450-10134
SKID RUNNER
EXTENSION W/BRIDLE
#450-14159

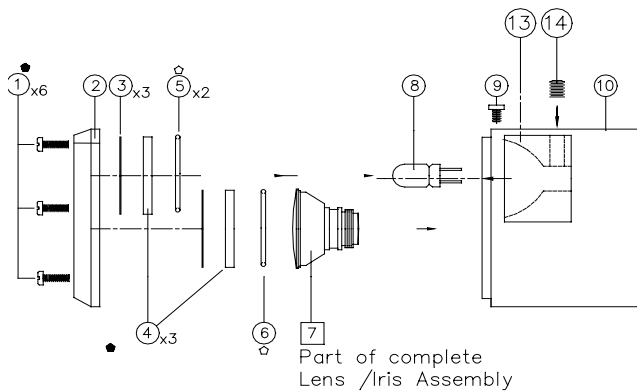
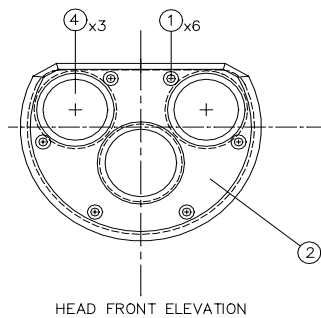
OEII PARTS

- | | |
|-----------|--|
| 301-11181 | 4-40 x .31" PANHEAD SCREW (RETAINER WINDOW SCREWS (6 REQUIRED) |
| 301-11713 | 4-40 x .37" SOCKET HEAD CAP SCREW (4 REQUIRED) |
| 301-15303 | 10-32 x .625" FLATHEAD PHH SCREW SS UNDERCUT (2 REQUIRED) |
| 301-13172 | 10-32 x .375" FLATHEAD PHH SCREW SS UNDERCUT (4 REQUIRED) |
| 301-13515 | 8-32 x .50" FLATHEAD UC SS SCREW (4 REQUIRED) |
| 305-10241 | 10-32 x 1.25" SEALING PAN PHH SS (CAMERA BODY BACKPLATE (2 REQUIRED) |
| 403-13419 | SPACER FOR MIDDLE BODY RAIL ON OEII |
| 439-13751 | O-RING, BUNA, 006 (6 REQUIRED) |
| 439-15321 | O-RING, SILICONE, 023 (LENS WINDOW) |
| 439-15557 | O-RING, SILICONE, 022 (LAMP WINDOWS) |
| 450-10134 | SKID RUNNER EXTENSION |
| 450-14391 | BOTTOM HEAD SKID |
| 450-14449 | TOP HEAD SKID |
| 450-14683 | BODY RAIL (3 REQUIRED) |
| 451-10195 | FACE PLATE |
| 541-10326 | LAMP, HALOGEN, 14V, 25W, #790 (OEII/III) NON-ZOOM CAMERAS ONLY |
| 541-30962 | LAMP, HALOGEN, 12V, 20W (OEII/III) LISTED ZOOM CAMERAS ONLY |
| 560-15227 | PIGTAIL PLUG PROTECTOR (3 PIN PUSH-ON STYLE BHC) |
| 800-17767 | CAMERA TRACTOR CRADLE |
| 802-11470 | ASSY, LAMP SOCKET & REFLECTOR |

- 806-31431 ASSY, HARNESS, 6PIN MALE BULKHEAD CONN-3PIN WALDOM (BULKHEAD CONNECTOR) (ML/OE1/OE2 ONLY)
- 807-17784 SKID ASSY, ADJUSTABLE 6" – 16" PIPE
- 840-11060 O-RING KIT FOR OEII
- 840-13442 WINDOW KIT (INCLUDES LENS WINDOW & TEFLON WASHER)
- 840-15131 HARDWARE KIT FOR OEII
- 840-15485 MAINTENANCE KIT
- 841-12063 10 PACK OF BULBS (OEII/III) NON-ZOOM CAMERAS ONLY
- 841-31900 10 PACK OF BULBS (OEII/III) LISTED ZOOM CAMERAS ONLY
- 867-12313 TOW BRIDLE 18" FOR REPLACEMENT ON SKID ASSY

OMNI-EYE II CAMERA BULB REPLACEMENT

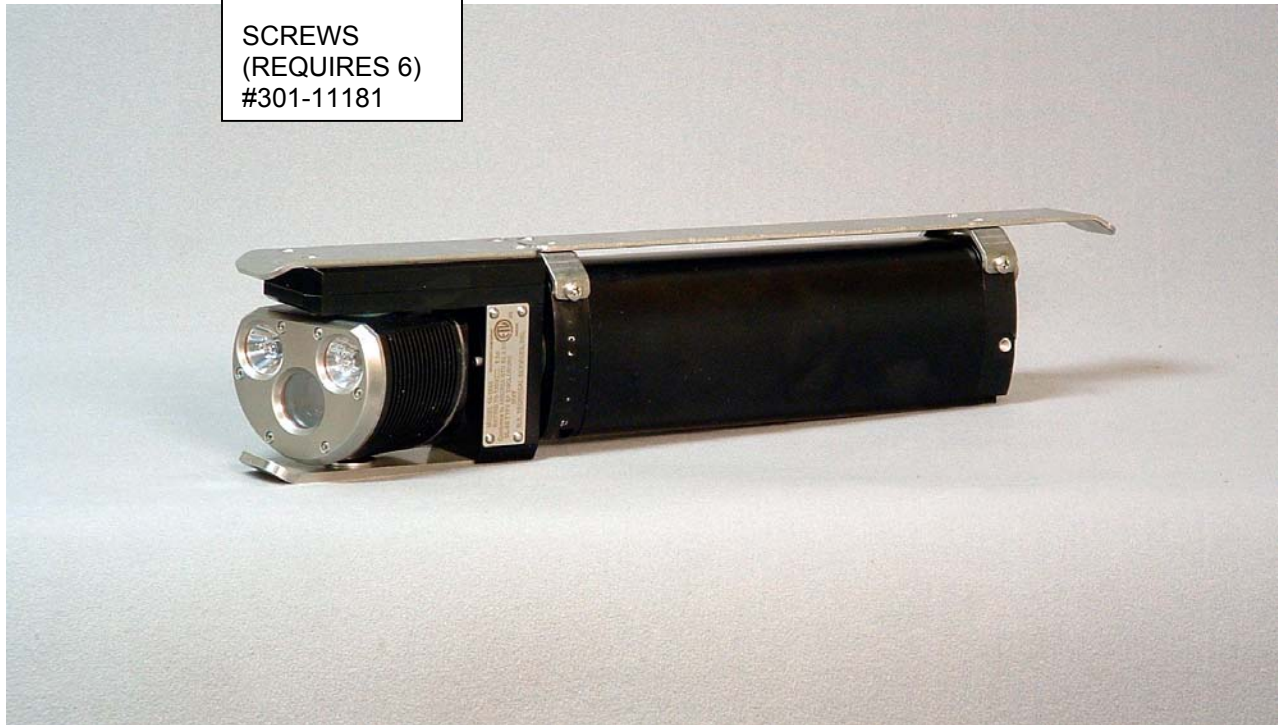
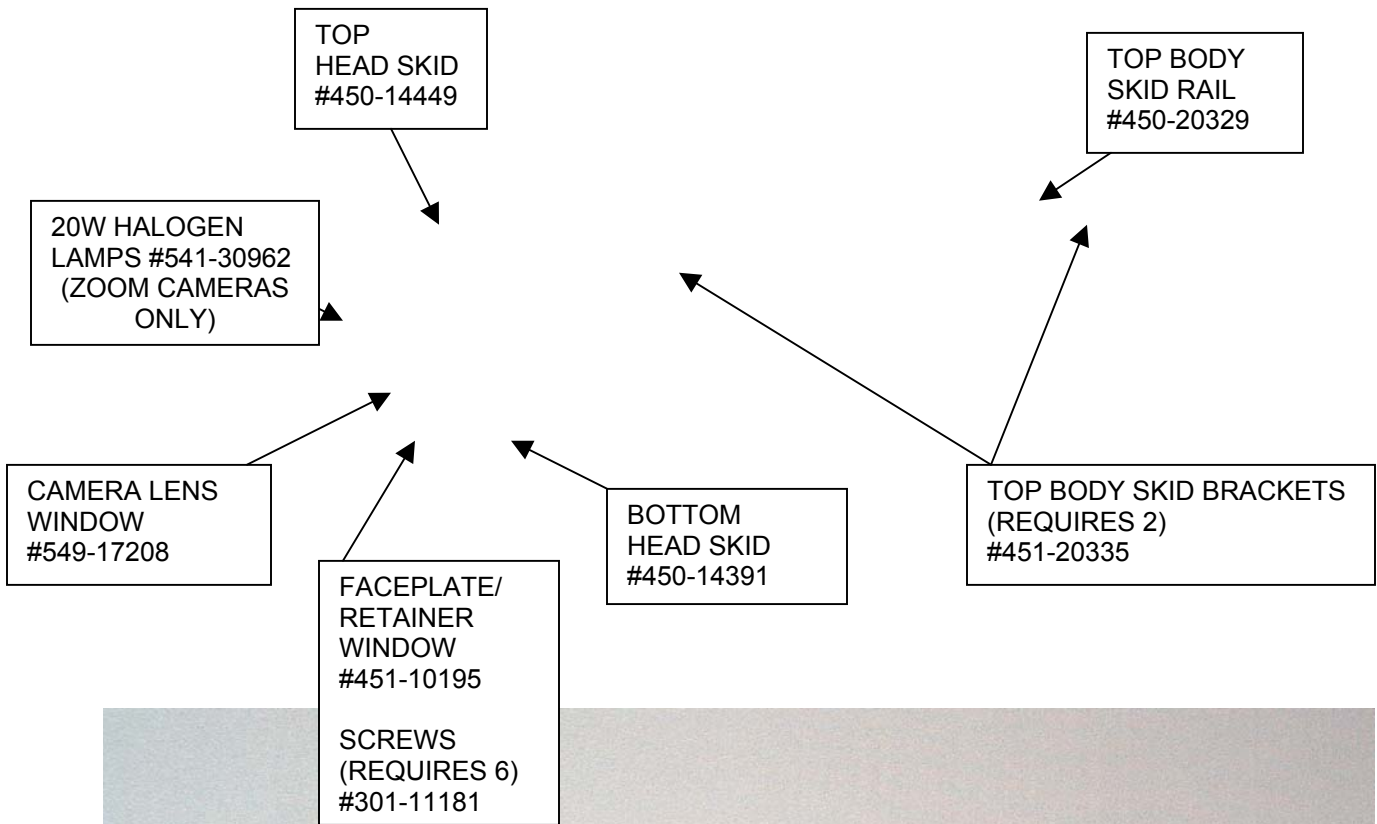
INSTRUCTIONS



BILL OF MATERIALS			
Item	Part No.	D E S C R I P T I O N	Qty.
1	301-11122	4-40 x 3/8" PAN HEAD SCREW	6
2	461-10195	WINDOW HEAD RETAINER	1
3	317-17066	TEFLON WASHERS, On front of windows.	3
4	317-17066	WINDOW 1.188 X 0.125 QUARTZ (ZOOM 549-17208 sapphire 1.188od x 125t)	3
5	439-15557	O-RING, Size 22, Silicon, Light Windows	2
6	439-15321	O-RING, Size 23, Silicon Lens Window	1
7			1
8	541-10326	LAMP, Halogen, 14v, 25W, #790 (ZOOM LAMP Halogen 541-30962 12v 20w)	2
9			1
10	454-10078	CAMERA HEAD (ZOOM 454-30438-21)	1
11			1
12			1
13	802-11470	LAMP REFLECTOR (ZOOM 802-30964)	2

OEIII PARTS & ACCESSORIES

301-11181 4-40 x .31 PANHEAD SCREW (RETAINER WINDOW SCREWS (6 REQUIRED))
301-13742 8-32 x .25" FLATHEAD SCREW UNDERCUT (OE3 BODY SKID, TO SKID BRKTS)
301-14203 8-32 x .625" PANHEAD SCREW (4 REQUIRED)
439-15321 O-RING, SILICONE, 023 (LENS WINDOW)
439-15557 O-RING, SILICONE, 022 (LAMP WINDOWS)
450-20329 TOP BODY SKID (REQUIRES SKID BRACKETS FOR INSTALLATION)
450-14391 BOTTOM HEAD SKID
450-14449 TOP HEAD SKID
451-10195 FACE PLATE
451-20335 TOP BODY SKID BRACKETS (2 REQUIRED)
541-30962 LAMP, HALOGEN, 12V, 20W (OEII/III) LISTED ZOOM CAMERAS ONLY
541-10326 LAMP, HALOGEN, 14V, 25W, #790 (OEII/III) NON-ZOOM CAMERA ONLY
800-21075 OEIII CRADLE
807-17784 SKID ASSY, ADJUSTABLE 6" – 16" PIPE
840-13442 WINDOW KIT (INCLUDES LENS WINDOW & TEFLON WASHER)
840-19920 MAINTENANCE KIT OEIII
841-12063 10 PACK OF BULBS (OEII/III) NON-ZOOM CAMERAS ONLY
841-31900 10 PACK OF BULBS (OEII/III) LISTED ZOOM CAMERAS ONLY
867-12313 TOW BRIDLE 18" FOR REPLACEMENT ON SKID ASSY

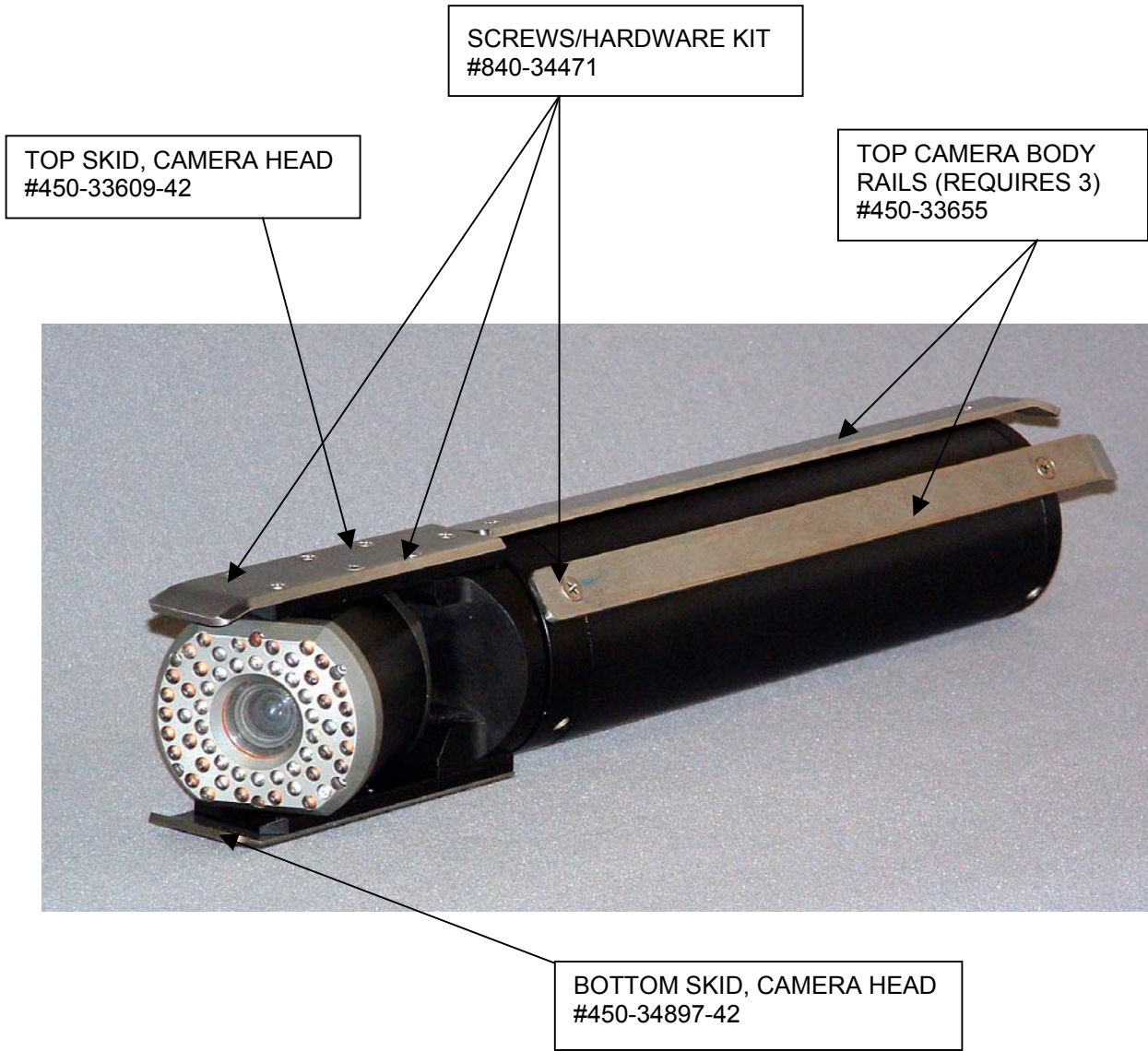


CAMERA WINDOW KIT INCLUDES
SAPPHIRE WINDOW & TEFLON
WASHER
#840-13442



NovaSTAR PARTS AND ACCESSORIES

301-11122	4-40 x .37 PANHEAD SCREW (RETAINER WINDOW SCREWS (6 REQUIRED)
301-13742	8-32 x .25" FLATHEAD SCREW UNDERCUT (OE3 BODY SKID, TO SKID BRKTS)
301-14203	8-32 x .625" PANHEAD SCREW (4 REQUIRED)
439-15321	O-RING, SILICONE, 022 (LENS WINDOW)
450-14159	ASSY, SKID EXTENSION W/BRIDLE ON SKID ASSEMBLY
450-20329	TOP BODY SKID (REQUIRES SKID BRACKETS FOR INSTALLATION)
450-33609-42	SKID, TOP, CAMERA HEAD, OMNI STAR
450-33612-42	SKID, LOWER HEAD, OMNI STAR
451-20335	TOP BODY SKID BRACKETS (2 REQUIRED)
451-34896-21	RETAINER, WINDOW, OMNI/NOVASTAR CAMERA
633-34827	TOOL, INSTALLATION, WINDOW RETAINER, OMNI STAR/ OMNI NOVA
800-21075	TRACTOR MOUNTING CRADLE
840-32306	SKID ASSY, ADJUSTABLE 6" – 16" PIPE
840-13442	WINDOW KIT (INCLUDES LENS WINDOW & TEFLON WASHER)
840-19920	MAINTENANCE KIT
867-12313	TOW BRIDLE 18" FOR REPLACEMENT ON SKID ASSY



**OMNI STAR CAMERA
WITH ROTATING HEAD AND LONG LIFE
LED LIGHTS**

Standard Tractor Transporter Replacement Parts

805-17785	COMPLETE MOTOR ASSY, TYPE "A" VERSION
635-17887	GEAR MOTOR ONLY, DC, M/LTRACTOR
867-20813	ASSY, CLUTCH, REVERSING, M/L TRACTOR
867-14724	ASSY, CLUTCH, M/L TRACTOR
861-33241-2	ASSY, PCB, TRACTOR DUAL TONE DECODER/CONTROLLER
861-21321	ASSY, PCB, TRACTOR, RELAY/FILTER, 'A' MOTOR (LOCKED ROTOR)
861-14085	ASSY, PCB, TRACTOR POWER SUPPLY, M/L TRACTOR
802-31468	COMPLETE TRACTOR BACK ASSY, INCLUDING CIRCUIT BOARDS
802-31479	COMPLETE TRACTOR BACK ASSY, LESS CIRCUIT BOARDS INCLUDES: 6-PIN PREWIRED BULKHEAD CONN., TNC BHC, & AIR PRESSURE FITTING
453-13930-21	TRACTOR BACK PLATE, ANODIZED BARE
806-31465	BULKHEAD CONNECTOR, 6 PIN, PREWIRED, FOR TRACTOR ONLY
560-15227	PROTECTOR, BULKHEAD (SCREW ON STYLE)
555-11154	CONN, TNC, BULKHEAD, 1/2" MODIFIED (FOR TRACTOR BACK)
602-10512	FITTING, AIR PRESSURE, 1/4" MALE (ON TRACTOR BACK)
632-31479	INSULATOR, SHIELDED, DTMF /RELAY PCB, MLT

AXLES/GEAR ASSEMBLIES AND PARTS

840-21285	REBUILD KIT, TRACTOR BODY
805-19449	ASSY, AXLE, WHEEL DRIVE W/GEAR
840-31609	ASSY, AXLE, MAIN DRIVE W/3 GEARS
407-20405	AXLE, MAIN DRIVE, MLT, (AXLE ONLY)
407-20407	AXLE, WHEEL DRIVE, MLT (AXLE ONLY)
840-20808	KIT, GEAR, DOUBLE HUB, (INCLUDES PIN & CLIP)
840-20809	KIT, GEAR, SINGLE HUB, M/L TRACTOR, (INCLUDES PIN & CLIP)
439-10719	SEAL, TRACTOR AXLE
405-10658	BUSHING, TRACTOR AXLE, DELRIN (MUST BE REAMED AFTER INSTALLATION WITH A .379" REAMER – SEE 633-15420)
633-15420	REAMER, .379" FOR TRACTOR AXLE BUSHING
453-18594	BLOCK, FRONT & CRADLE MOUNT
606-13439	BLOCK, DRIVE SHAFT BEARING HARDWARE
840-11296	KIT, HARDWARE, M/L TRACTOR
840-30611	KIT, HARDWARE, TOP SKID AND CHANNEL, M/L TRACTOR
453-14164	COVER, GEAR, MAINLINE TRACTOR
439-10778	GASKET, TRACTOR TOP
630-12577	GREASE, SEMI-FLUID UTILITY TYPE 3 6OZ. JAR 15.00
630-15592	ADH, RTV, CLEAR, 2.8 OZ TUBE
451-15092	GREASE DAM
840-20821	KIT, REPAIR, GEAR COVER STANDOFF ML TRACTOR
400-10656	PIN, MOTOR MOUNTING

TRACTOR CRADLE ASSEMBLY

800-17767	CAMERA CRADLE ASSY. MAINLINE/OEII/OEII
800-21075	CAMERA CRADLE ASSY, OEIII & NOVASTAR
800-33353	CAMERA CRADLE ASSY, OE STAR
800-15305	RACK, STORAGE, TRACTOR

TRACTOR CRADLE PARTS

305-15315	BOLT, PIVOT, TRACTOR CRADLE
840-18252	KIT, UPGRADE, SS CRADLE FORK (2 FORKS)
450-17766	SKID RUNNER, TRACTOR CRADLE, 1/2"X1/2" DELRIN

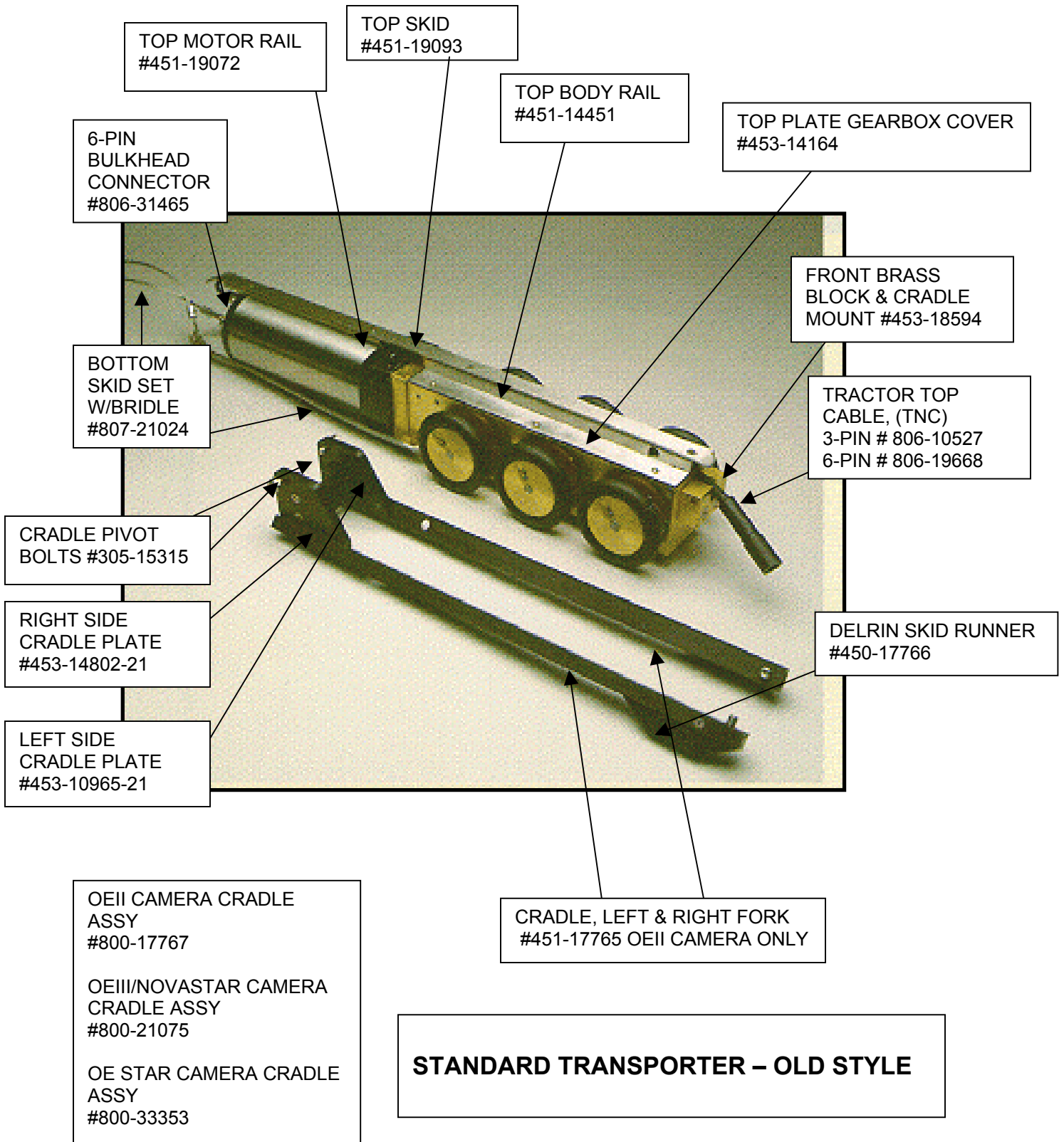
451-17765 CRADLE FORKS, SQUARE TUBE OE2 (2 REQUIRED)
 453-30321-21 CENTER CRADLE PLATE
 453-14802-21 RIGHT SIDE CRADLE PLATE
 453-10965-21 LEFT SIDE CRADLE PLATE
 800-21074 CRADLE FORKS ASSY, OE3/NOVASTAR
 800-33352 CRADLE FORKS ASSY, OMNISTAR
 301-18563 MSCR, HEXHD, 1/4-20 x 1.50 (CENTER PLATE "JACK" BOLT)
 309-12653 NUT, HEX, 1/4-20 (CENTER PLATE "JACK" BOLT NUT)

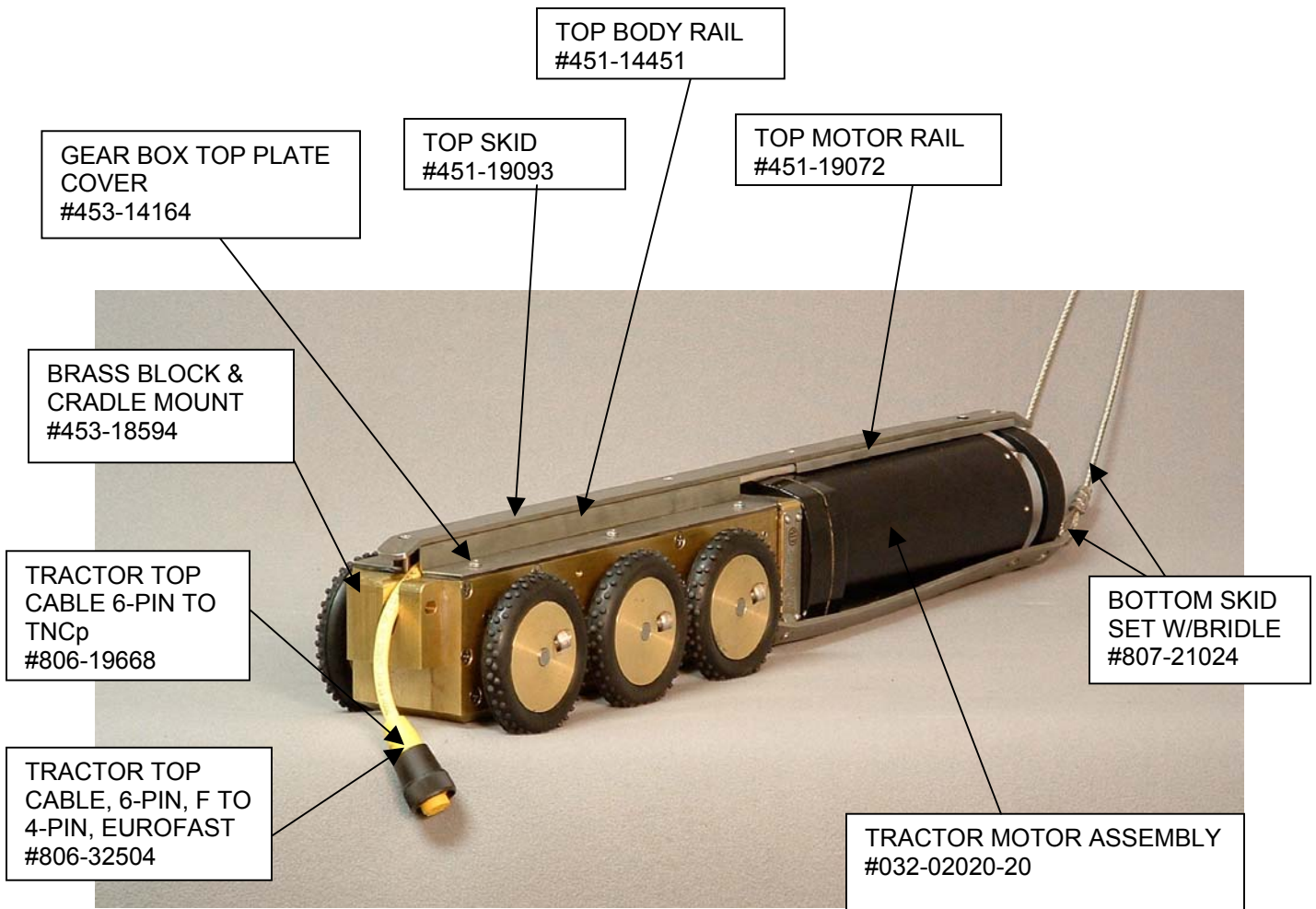
TRACTOR RAILS & SKIDS

451-19072 TOP MOTOR RAIL
 451-14451 TOP BODY RAIL
 807-21024 TRACTOR BOTTOM SKID SET WITH BRIDLE **(REPLACES 450-13985)**
 450-19093 SKID, TRACTOR TOP **(REPLACES 450-10842)**
 410-19071-21 BULKHEAD PROTECTOR RING
 840-21023 BULKHEAD PROTECTOR RING KIT FOR MAINLINE TRACTOR TO INCLUDE:
 410-19071 RING PROTECTOR
 451-19072 TOP MOTOR RAIL
 450-19093 TOP TRACTOR SKID
 807-21024 BOTTOM SKID SET
 301-12707 8-32x3/8" FLT. HD SCREW (2)
 301-12359 8-32X1/2" FLT. HD SCREW (1)

Hardware Kit, Mainline Tractor

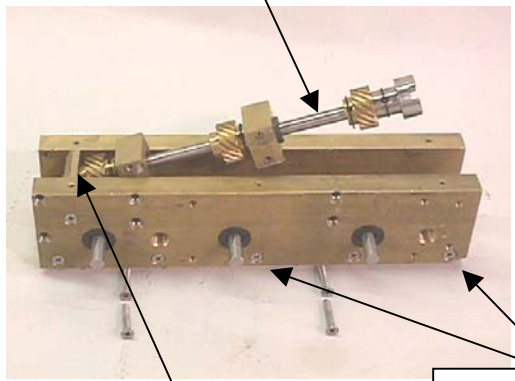
840-11296 HARDWARE KIT FOR MAINLINE TRACTOR TO INCLUDE:
 6 - 301-11653 MSCR, PAN, PHH, 6-32x1/4", SS (top plate cover)
 8 - 301-12707 MSCR, FLT, PHH, 8-32x.3/8", SS (center 2 holes top rail)
 2 - 304-18177 SSCR,HALFDOGPT, HXS, 10-32X.38SS
 (holds motor to brass, 2 bottom holes)
 2 - 301-12243 MSCR, FLT, PHH, 8-32x1",SS (front hole of the top rail)
 2 - 318-14730 WASHER, LKG, #8 INT. TOOTH SS (under 8-32X.37")
 2 - 309-12479 NUT, HEX, 8-32 SS
 (secures the 8-32X.37" screw with #8 washer)
 7 - 301-12359 MSCR, FLT, PHH, 8-32x1/2" SS (1back hole of the top rail)
 (2 skid bracket onto brass)(4 hold skids to tractor)
 14 - 301-13856 10-32 x 1-1/4" PHIL FLAT SS (side plates to bottom plate)
 6 - 301-13571 10-32 x 1" PHIL FLAT SS (4side plates to front plate)
 (2 side plates to dam)
 6 - 301-10651 1/4-20 x 1/2" SOCKET HEAD CAP SCREW SS
 6 - 304-10889 1/4-20 x 3/8" SET SCREW SS
 6 - 318-14614 WASHER, LKG, #8,INT TOOTH SS
 (under 6-32x.25 pans on cover)
 2 - 304-19876 SSCR, HALF DOG PT, HXS, 10-32X.25 SS
 (holds motor to brass, 2 top holes)



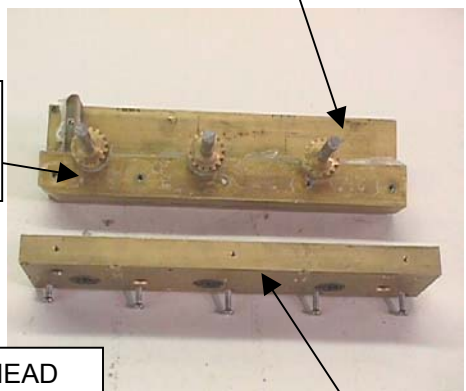


**STANDARD TRANSPORTER – LISTED AND CERTIFIED
SAFE FOR USE IN A WET ENVIRONMENT**

MAIN DRIVE AXLE W/3
GEARS
#840-31609



BRASS PLATE, RIGHT SIDE
#453-15624



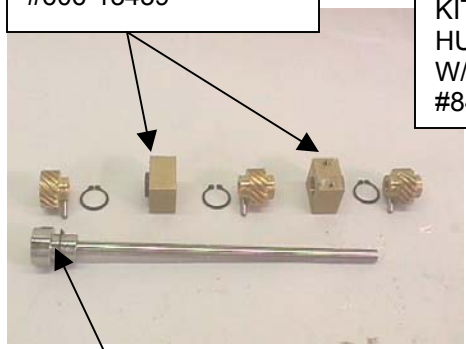
BRASS PLATE,
BOTTOM BASE
#453-15447

MSCR, FLAT, PHILLIPS HEAD
SCREWS, 10-32X.25 SS
#301-13856

GREASE DAM
#451-15092

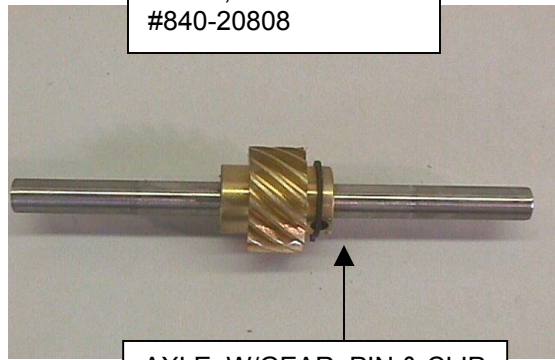
BRASS PLATE, LEFT SIDE
#453-15565

MOUNTING BLOCK,
BEARING, DRIVE
AXLE
#606-13439



KIT, SINGLE
HUB, GEAR
W/PIN & CLIP
#840-20809

KIT, DOUBLE HUB
GEAR, W/PIN & CLIP
#840-20808



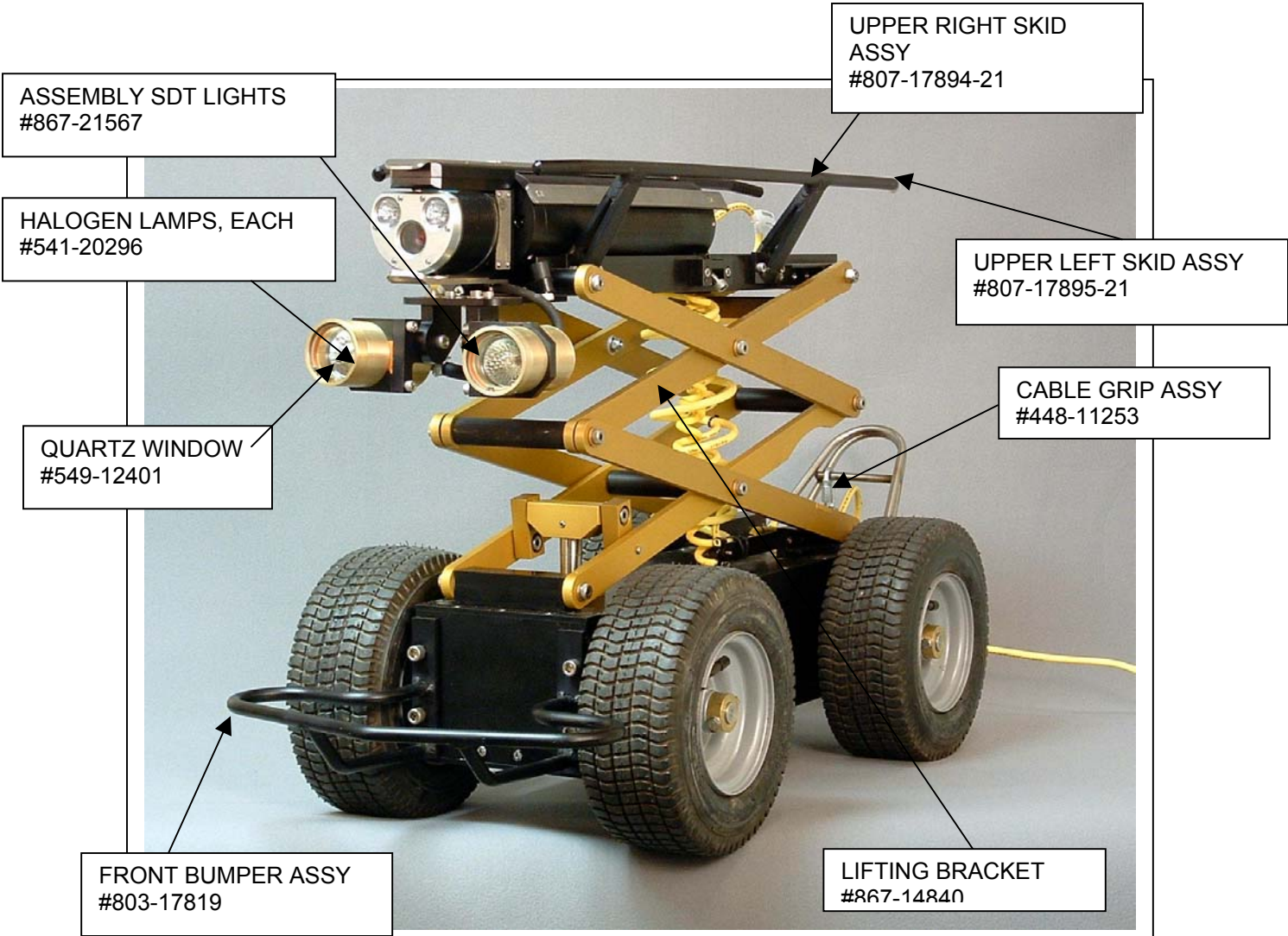
COUPLING CLUTCH,
FEMALE
#408-20423

AXLE, W/GEAR, PIN & CLIP
#805-19449

TRACTOR BODY
COMPLETE REBUILD KIT
#840-21285

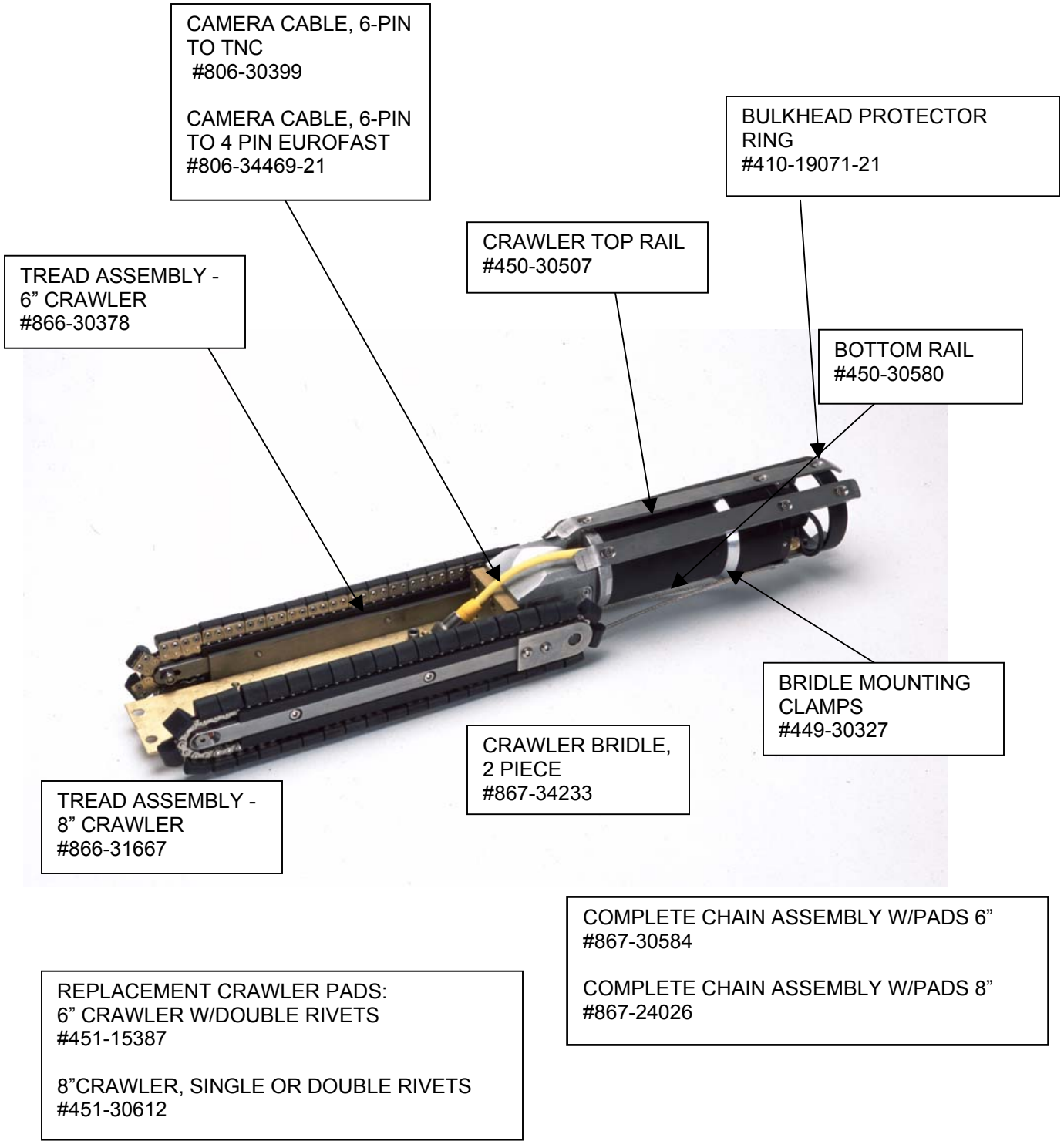
REVERSING CLUTCH
ASSEMBLY
#867-20813

**STEERABLE STORM DRAIN TRANSPORTER
FOR LARGE LINE INSPECTION**



STEERABLE STORM DRAIN
TRACTOR, SINGLE CONDUCTOR
#036-02000-10

STEERABLE STORM DRAIN
TRACTOR, MULTI-CONDUCTOR
#036-02000-01



CAMERA CABLE, 6-PIN TO TNC
#806-30399

CAMERA CABLE, 6-PIN TO 4 PIN EUROFAST
#806-34469-21

BULKHEAD PROTECTOR RING
#410-19071-21

TREAD ASSEMBLY - 6\" CRAWLER
#866-30378

CRAWLER TOP RAIL
#450-30507

BOTTOM RAIL
#450-30580

BRIDLE MOUNTING CLAMPS
#449-30327

TREAD ASSEMBLY - 8\" CRAWLER
#866-31667

CRAWLER BRIDLE, 2 PIECE
#867-34233

COMPLETE CHAIN ASSEMBLY W/PADS 6\"
#867-30584

COMPLETE CHAIN ASSEMBLY W/PADS 8\"
#867-24026

REPLACEMENT CRAWLER PADS:
6\" CRAWLER W/DOUBLE RIVETS
#451-15387

8\" CRAWLER, SINGLE OR DOUBLE RIVETS
#451-30612

**CRAWLER – LISTED AND CERTIFIED
SAFE FOR USE IN A WET ENVIRONMENT**

**MAINLINE CABLE REEL,
STANDARD AND EXTRA-WIDE**

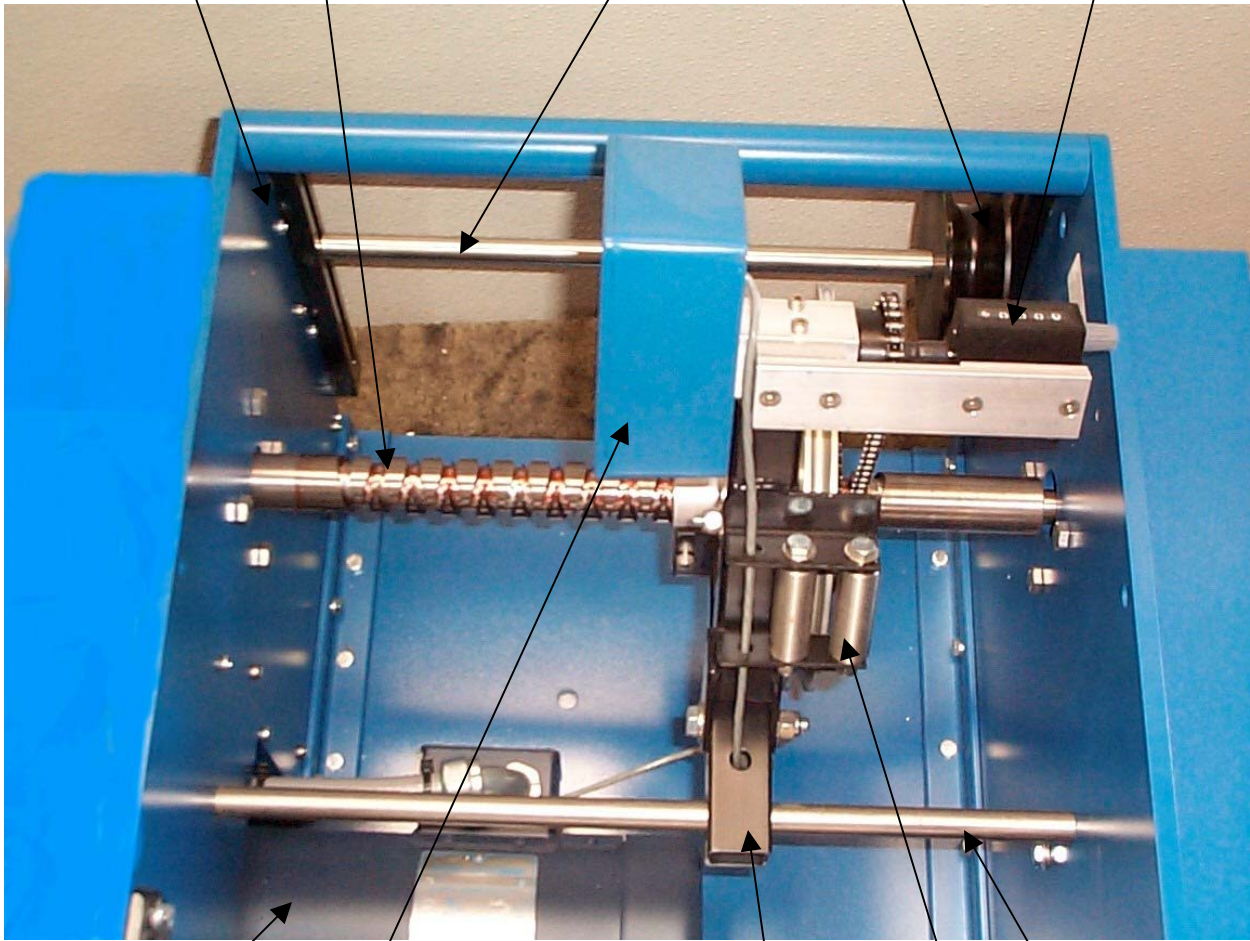
GUIDE ROLLER
BRACKET (REQUIRES 2)
#451-10135-31

POLYURETHANE
GUIDE ROLLER
#449-15325

LEVELWIND SHAFT
#407-13465

GUIDE ROLLER
SHAFT #407-12831

FOOTAGE COUNTER
ASSEMBLY
#867-13684



CABLE REEL
MOTOR
#635-13163

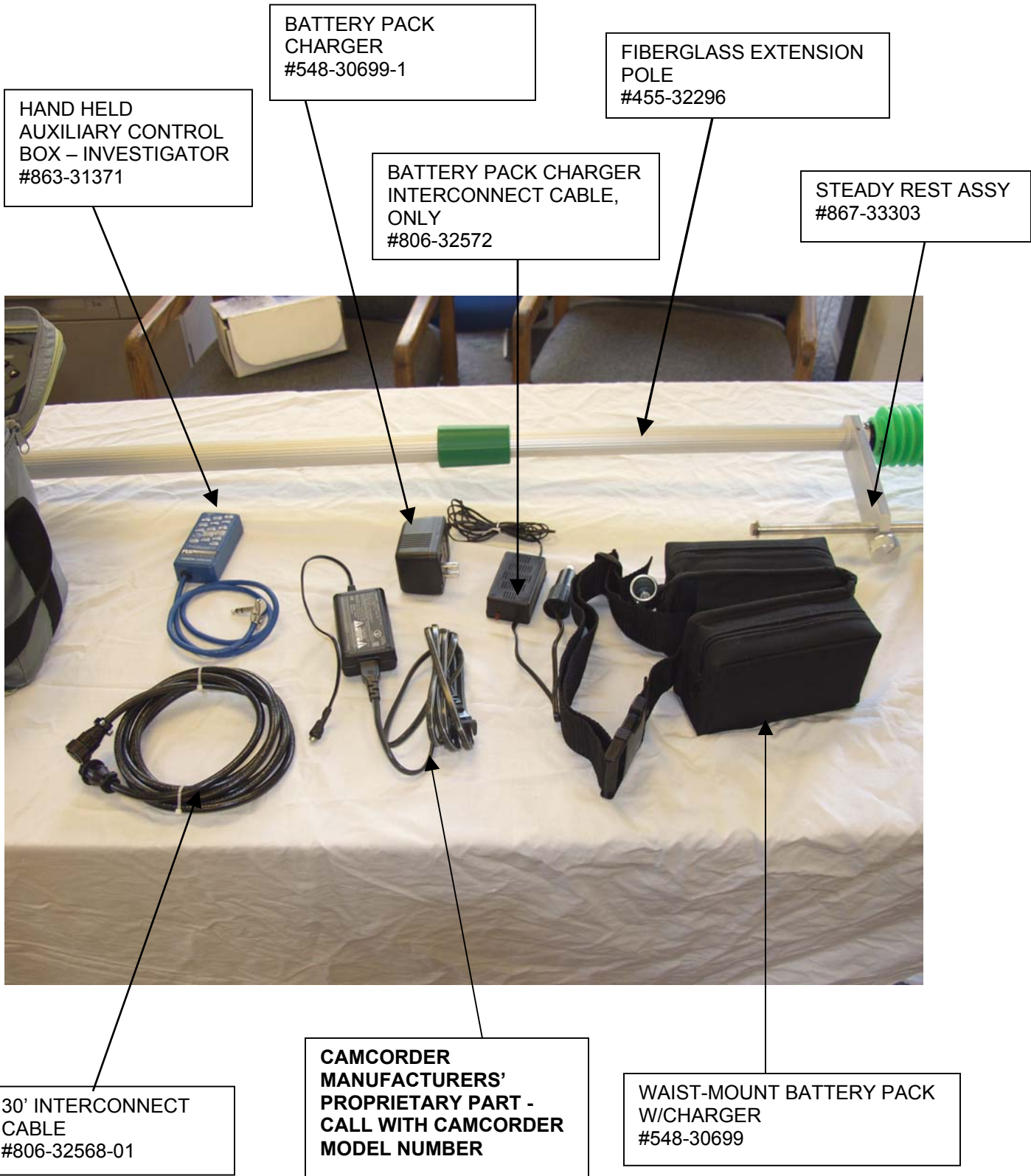
FOOTAGE COUNTER
BOX WITH LID
#452-11199-31

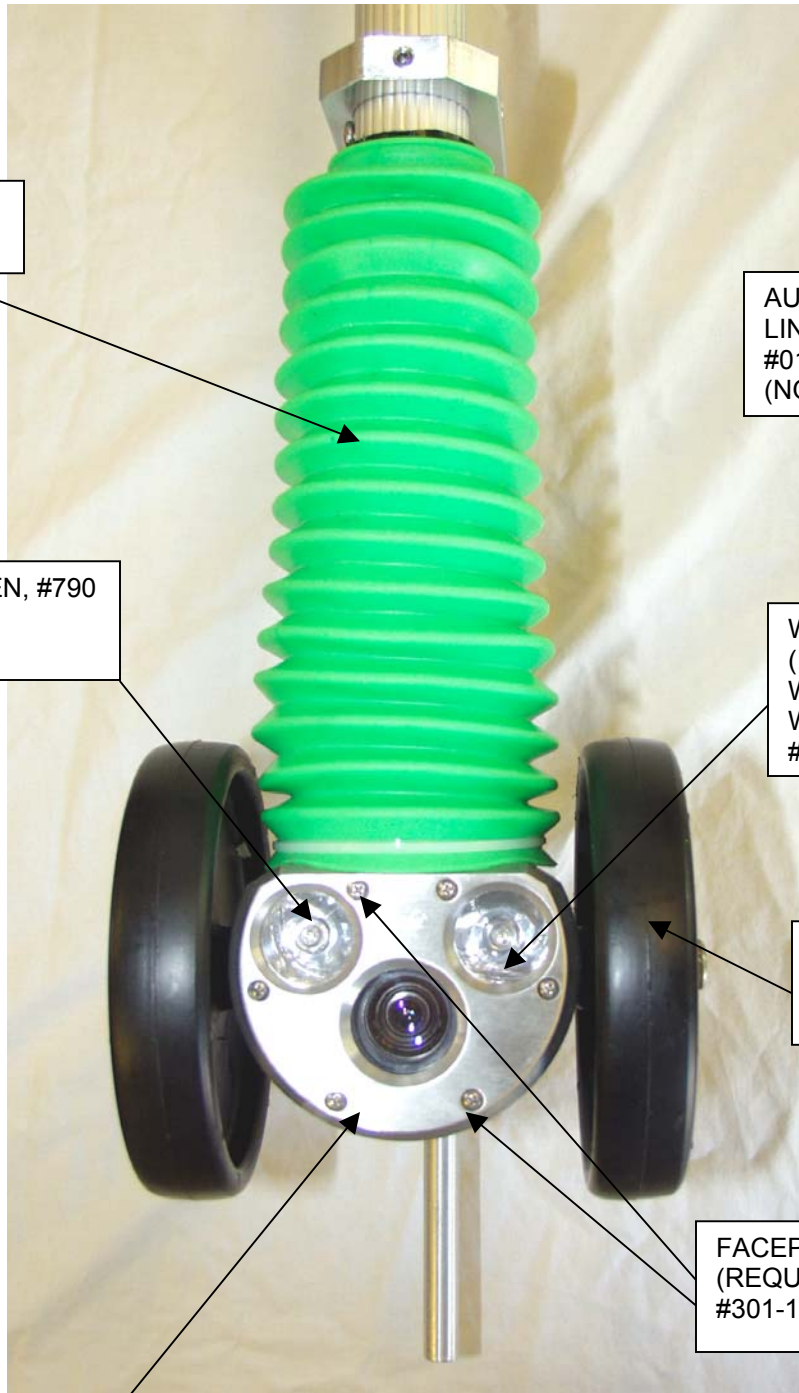
TORQUE ARM
ASSY
#445-13183

TORQUE ARM
BUSHING
#405-15319

TORQUE ARM
SHAFT
#407-15497

GUIDE ROLLER(S)
ASSY
#800-21109





RUBBER BOOT
#455-30266

AUXILIARY LARGE
LINE SPOT LIGHT
#016-03010-01
(NOT SHOWN)

LAMP, HALOGEN, #790
12V, 20W
#541-30962

WINDOW KIT
(INCLUDES SAPPHIRE
WINDOW AND TEFLON
WASHER)
#840-13442

REMOVABLE WHEELS
(2 EACH)
#443-32561

FACEPLATE SCREWS
(REQUIRES 6)
#301-11181

FACE PLATE
#451-10195



TEST CABLE –
MAINLINE EQUIPMENT,
6-PIN N-PLUG TO TNCj
#806-31484

MINI CAMERA
EQUIPMENT, Np/TNCj
#705-14818



512 Hz SONDE
TRANSMITTER FOR
MAINLINE (OMNI-
SERIES) CAMERAS
#806-31769



15XX SERIES CAMERA
HEAD ONLY
#010-01530-01
#010-01535-01

123X/15XX SERIES ONLY
STANDARD MINI CAMERA
TAIL WITH PHENOLIC
BALLS
#867-19067





SPRING TAIL W/512 Hz
SONDE TRANSMITTER,
MINI CAMERA PUSH
REEL TERMINATION KIT
#841-33232



QUICK LINK 1/4 INCH
#444-11901

SNAP SWIVEL HOOK
#444-12255

SINCON CABLE GRIP
#448-11312

MSCR, SHCS, 10-32 X .75
#301-11477 (QTY 4)

SINCON CABLE GRIP ASSEMBLY
#448-11253



SKIDS, MINI CAMERA
4" – 8" 15XX SERIES
CAMERAS ONLY
#807-31965



LARGE LINE SKIDS,
OMNI-SERIES CAMERAS
ONLY
#807-17784



**KNOBBY BALLOON
WHEELS FOR 12" PIPE
AND LARGER
#867-21714**



**STANDARD WHEEL
W/KNOBBY TIRES FOR
6" – 8" PIPE SIZES
#443-10603**



**WIRE WHEELS FOR
8" – 16" PIPE SIZES
#443-15831**



**HI TRACTION WHEELS FOR
8" – 16" PIPES
#443-10190**