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PART NO.	DESCRIPTION
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**STANDARD UNIT**

The **Ditch Witch® JT20 Jet Trac®** drilling system is a self-contained, surface launched, fluid assisted, mechanical drilling system.

The **Ditch Witch® JT20 Jet Trac®** basic unit includes the following:

- Deutz TD 2.9, turbocharged, liquid cooled diesel engine (74 gross hp) EPA Tier 4, EU Stage IIIB compliant
- OR**
- Deutz TD 2.9, turbocharged, liquid cooled diesel engine (74 gross hp) EPA Tier 4i, EU Stage IIIA compliant
  - Electrical Strike System (module and barriers)
  - 2 post cylinder assist stake system
  - Hydraulic drill pipe loader with automated controller
  - Rack and Pinion drill frame and carriage
  - 1 drill pipe box, 400 ft. capacity
  - 2-speed gearbox
  - Rubber tracks
  - Hydraulic pipe lubricator
  - Tethered ground drive control
  - Fluid pump, 35 gpm @ 1000 psi
  - Cold start kit
  - Ship Kit - Includes: drill pipe wiper seal, copper thread compound with brush, tip cleaner set and spray wand

**JT20 STANDARD #1**

JT20 Base Unit

Includes: Basic Assembly, Production Decal Kit, Ship Kit  
Highly Regulated Engine  
Tether Ground  
Pipe Accessories  
4" Auger

POWER PIPE HD FM 2.06 X 2.63 1.94-4 10'

**JT20 STANDARD #2**

JT20 Base Unit

Includes: Basic Assembly, Production Decal Kit, Ship Kit  
Highly Regulated Engine  
Tether Ground  
Pipe Accessories  
4" Auger

POWER PIPE HD UL 2.06 X 2.63 1.94-4 10'

PART NO.	DESCRIPTION
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**ANCHOR SYSTEM ACCESSORIES (Select one)**  
4" Auger  
  
Rock Anchor/Replaceable Bits

**GROUND DRIVE CONTROLS (Select one)**  
Tether Ground  
  
Advanced Remote Control

**ORANGE INTEL™ OPTIONS (Select one)**  
350-5370 GPS ONLY FOR TELEMATICS READY  
**NOTE: Equipment Registration Activates GPS and Telematics Boxes**

**ORANGE INTEL™ SERVICE PLAN OPTIONS (Optional)**  
240-1117 1 Year Data Service Plan Telematics  
**NOTE: Sold in One Year Increments**

**QUICK WRENCH TOOL (Optional)**

Quick Wrench Tool

**NOTE: Customers still need the proper tools to safely connect and disconnect downhole tools and drill pipe, so the “no exit tool” option should be reserved for instances where your customer already has the proper tools to perform this work safely.**

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**PART NO. DESCRIPTION**

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**ACCESSORIES**

100-074	STRIKE MAT KIT	(Required when hand loading pipe)
100-794	GROUNDING KIT	(Required if not using anchor system)
149-973	SPLIT ROD WIPER 1.75" ID	
190-1300	JT20/JT30/AT30 HEATED HOSE KIT	
190-1464	CANOPY KIT	
190-1506	SOFTCAB KIT (JT1220T4i/JT2020T3/JT20)	(Also requires 190-1464 canopy kit)
190-2112	JT20 T4F/T4i UPTIME KIT	
190-2782	UMBRELLA KIT	

**SERVICE PARTS**

191-1055	VICE WRENCH SET (0-4000 LB-FT)
191-1068	JT20 ADVANCED REMOTE GROUND DRIVE KIT

**DOWNHOLE TOOLS**

For nozzle placement, size and angle, reference the Downhole Tools Parts Book

**DRILL PIPE**

355-1106	POWER PIPE HD UL 2.06 X 2.63 1.94-4 10'
355-1107	POWER PIPE HD FM 2.06 X 2.63 1.94-4 10'
355-1246	DW FORGED HD 2.10 X 2.50 1.94-4 10' PIPE
355-1350	HDX DRILL PIPE 2.38 X 2.63 #600 3M

**All shipped with:**

Pipe Accessories - Includes:

JT20 PP ACCESSORIES	(Select DW Forged, Lined and Unlined)
JT20 PPF #600 ACCESSORIES 2.38" TUBE DIA	(Select SPF Pipe 600)

**QUICK CONNECT SYSTEMS****EZ CONNECT**

401-300	EZ CONNECT 1.94-4M/2.00-6M EZ2
400-2251	EZ-CON ASS'Y (600M / 2.25-6M EZ3)

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**PART NO. DESCRIPTION**


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**HAWKEYE™**

918-2489 STRTR RD, HAWK350(B) X #600 (P) (JT25/30)  
 918-2453 STRTRROD ASSM, HAWK(B) X 1.94-4(P)  
 918-2491 STRTER ROD ASSY, LG HAWK 350(B) X 1.94-4  
 918-2487 STRTR RD,HKEYE350(B) X #600 (P) (JT20)

**All shipped with:**

918-2439 Collar Hawkeye 350

**SPLINELOK®**

908-4270 STRTR ROD ASSY, 350SPLII(P) X 1.94-4(P)  
 908-4310 STRTR ROD ASSY,350 SPLII(P) X 1.94-4(P)

**TRANSITION SUB**

400-2192 TRANSITION SUB 1.94 M / 2.38 M API  
 400-2244 TRANSITION SUB (600M / 2-3/8M API-REG)

**BEACON HOUSINGS**

908-1680 3.0" PWRHOUSE HD/5H-12MM/DW/2-3/8" REG  
 906-1854 3.0" HD Trihawk HSG / 86B / 2.38 Reg  
 908-1690 ASSY, 3.25 UNIVERSAL HOUSING

**DRILL BITS**

Bit Width	Hole Qty.	Bolt Size	Thickness	Bend Angle
3" (76 mm)	5	12	.50" (13mm)	00
3.5" (89 mm)			.63" (16mm)	10
4" (102 mm)			.75" (19mm)	
5" (127 mm)				

**5 HOLE BITS**
**Barracuda Bit**

368-890 3-5/12-50-10 BARRACUDA BIT  
 368-891 3-5/12-63-10 BARRACUDA BIT  
 368-894 4-5/12-75-10 BARRACUDA BIT  
 369-067 5-5/12-63-10 BARRACUDA BIT

**Claw Bit**

400-1665 3.5-5/12-75-10 CLAW BIT  
 400-1667 4-5/12-75-10 CLAW BIT  
 400-1669 5-5/12-75-10 CLAW BIT

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PART NO.	DESCRIPTION
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**5 HOLE BITS (Continued)****Durabit**

368-898	3-5-50-00 DURABIT
368-899	3-5-63-00 DURABIT
368-900	3-5/12-50-10 DURABIT
368-901	3-5-63-10 DURABIT
368-902	4-5-50-10 DURABIT
368-903	4-5-63-10 DURABIT
368-904	4-5-75-10 DURABIT

**Hard Surface Bit**

369-068	3-5-63-10 HARD SURFACED BIT
369-070	5-5/12-63-10 HARD SURFACED BIT

**Omni Bit**

400-2751	3.5-5/12-75-10 OMNI BIT
400-2753	4-5/12-75-10 OMNI BIT
400-2755	4.5-5/12-75-10 OMNI BIT

**Sand Bit**

368-897	3-5-50-10 SAND BIT
369-076	4-5-63-00 SAND BIT
369-078	4-5/12-63-10 SAND BIT
369-080	5-5/12-63-10 SAND BIT

**Steep Taper Bit**

369-072	3-5/12-63-10 STEEP TAPER BIT
368-895	4-5/12-63-10 STEEP TAPER BIT
369-074	5-5/12-63-10 STEEP TAPER BIT

**Tornado Bit**

400-1929	3-5/12-63-10 TORNADO
400-1925	3.5-5/12-63-10 TORNADO
400-1927	4-5/12-63-10 TORNADO
400-1931	4-5/12-75-10 TORNADO
400-1585	5-5/12-75-10 TORNADO BIT

**Tuff Bit**

369-729	3-5/12-63-10 TUFF BIT
401-334	3.5-5/12-63-10 TUFF BIT
369-731	4-5/12-63-10 TUFF BIT
369-733	5-5/12-63-10 TUFF BIT
400-120	4-5/12-75-10 ST TUFF BIT

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**PART NO. DESCRIPTION**

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**TRIHAWK BITS**

906-1771 Trihawk V / 3.88 / 3.0 HSG / 20K Drills  
906-1719 Trihawk III / 4.38 / 3.0 HSG / 20K  
906-1730 Trihawk IV / 4.38 / 3.0 HSG / 20K Drills  
906-1626 Trihawk I / 4.44 / 3.0 HSG / 20K Drills  
906-2627 ASSEMBLY, 16-40K THK 1 PULLBACK  
906-1723 Trihk III Pull Back Tooth Kit 16-20K Lbs  
906-1825 ASSEMBLY, 16-20K TRIHAWK V PULLBACK  
906-1796 3.0" Trihawk Drt Birt Adapter/ DW5 / M12  
906-1812 REAMER ASSM, 16-20K TRIHAWK

**DRILLING BITS**

400-3033 RHINO ROCK BIT ASS'Y (3.9-5-12MM)

**BACKREAMERS**

[Select Backreamers from Backreamers Price List](#)

**BACKREAMER SWIVELS and TABS**

[Select Swivels and Tabs from Swivels and Tabs Price List](#)

**CONNECTORS and ADAPTERS**

369-999 CONNECTOR 2.00-6F EZ2/1.94-4M  
400-615 CONNECTOR 2.00-6F EZ2/1.94-4F  
908-1706 Connector 2.00 6EZ2 -F / 2.38 -M  
918-2451 Connector Hawkeye 350 -M / 1.94-4 -M  
918-3024 Connector Hawkeye 390-M / 2.38 Reg-M  
908-4268 Connector SPLKII 350-F / 1.94-4 -M  
400-1050 ADAPTER (2.25-6F EZ3 X 1.94-4M)  
908-4102 ADAPTER 2.375" API M to 350 SPLK II F  
918-2407 Connector Hawkeye 350 -M / 2.38 -M  
918-2461 ADAPTER ASSM, HAWKEYE350(P) X TAB  
918-3052 Adapter Asmbly Hkeye 390 M X 1.94-4M  
906-2585 Connector TriHawk 2.375  
918-2488 COLLAR ASSM, HAWKEYE 350 REAMER

**QUICK WRENCH JAW**

368-687 2.35" QUICK WRENCH JAW

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PART NO.	DESCRIPTION
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**PULLING ACCESSORIES**

368-290	"PIPE PULLER (.625" TO 1.250")"
110-509	ANCHOR SHACKLE (1/2")
110-969	5/8" ANCHOR SHACKLE (3/4" PIN)
110-040	3/4" ANCHOR SHACKLE (7/8" PIN)
110-987	7/8" ANCHOR SHACKLE (1" PIN)

**Pulling Grip**

185-917	PULLING GRIP (3/4"-1 1/4")
185-918	PULLING GRIP (1 1/4"-2")
185-919	PULLING GRIP (2"-2 3/4")
185-920	PULLING GRIP (2 3/4"-3 1/2")
185-921	PULLING GRIP (3 1/2"-4 1/4")

**Heavy Duty Pulling Grip**

185-922	PULLING GRIP (3/4"-1 1/4")PLASTIC COATED
185-923	PULLING GRIP (1 1/4"-2")PLASTIC COATED
185-924	PULLING GRIP (2"-2 3/4")PLASTIC COATED
185-925	PULLING GRIP (2 3/4"-3 1/2")PLASTIC COAT
185-926	PULLING GRIP (3 1/2"-4 1/4")PLASTIC COAT

**Pulling Grip With Swivel**

185-904	PULLING GRIP (1-1/4" TO 2") W / SWVL
185-906	PULLING GRIP (2" TO 2-3/4") W / SWVL
185-907	PULLING GRIP (2-3/4"TO 3-1/2") W / SWVL
185-913	PULLING GRIP (3-1/2"TO 4-1/4") W / SWVL
185-914	PULLING GRIP (4-1/4"TO 4-3/4") W / SWVL

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PART NO.	DESCRIPTION
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**STANDARD UNIT**

The **Ditch Witch® FM13X** is a 11.7 horsepower gasoline powered drilling fluid mixing system. It includes an electric start, 6-gallon fuel tank, centrifugal mixing pump, venturi wet hopper system and mounting base. It is designed for use with a 500-gallon or 950-gallon mixing tank.

The **Ditch Witch® FM13X** basic unit includes the following:

- 11.7 hp gross Honda gasoline engine
- Centrifugal mixing pump
- Mixing hopper
- Ship kit

**FM13X STANDARD #1**

FM13X Base Unit

Includes: Basic Assembly, Electric Start Engine Sub Assembly,  
Production Decal Kit, Ship Kit, Hose Adapter Kit

**FLUID TANK (Select one)**

400 Gallon Tank

500 Gallon Tank

Shipped with: TANK SHIP KIT, 500 GAL

950 Gallon Tank

Shipped with: TANK SHIP KIT, 950 GAL

**ACCESSORIES & TRANSFER HOSE**

- |          |                              |
|----------|------------------------------|
| 101-093  | TANK FILL KIT, 950 GAL       |
| 153-357  | TRANSFER HOSE (2" FHC, 50' ) |
| 190-1189 | TANK FILL KIT, 500 GAL       |
| 190-2105 | FM13V/FM13X UPTIME KIT       |

**SERVICE PARTS**

- |          |                       |
|----------|-----------------------|
| 350-3360 | 400 GAL TANK ASSY     |
| 350-1622 | 500 GAL TANK ASSEMBLY |
| 602-150  | 950 GAL TANK ASSEMBLY |



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PART NO.	DESCRIPTION
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**TK RECON Guidance System**

The TK RECON system is a guidance system for tracking horizontal directional bores. The system is comprised of a tracker, drill rig display and beacon. The TK RECON system provides many new and enhanced features and offers the choice of (3) trackers (a single frequency, a two frequency and a four frequency tracker), (2) displays (one display is mounted in-the-console and one display mounted remotely), and multiple beacon options including the 86, 15T, 17T, 19T and 88B series. The RECON ISM Telemetry Radio provides increased communication distance and speed, but The TK RECON system will not be backwards compatible with the existing TK series, so the current TK Series trackers and displays will continue to be offered, for those customers who have that need or preference.

**Trackers** detect one, two or four of the following beacon frequencies depending on the model: 1.5 kHz, 12 kHz, 20 kHz and 29 kHz frequency.

**Displays** communicate with trackers by telemetry radios. Telemetry radios are country specific in order to adhere to specific country regulations.

**Beacons** generate one of four frequencies depending on the model, frequencies include 1.5 kHz, 12 kHz, 20 kHz and 29 kHz. Beacons with more than one frequency communicates with the Tracker by Bluetooth® in order to configure frequency and power level.

**TK RECON4**

The tracker detects 1.5 kHz, 12 kHz, 20 kHz and 29 kHz beacon frequencies and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline and Li-Ion battery trays, batteries, charger and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing and between large, small or no stand. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1608 TK RECON4, North America Radio

approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela

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PART NO.	DESCRIPTION
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**TK RECON2**

The tracker detects 12 kHz and 29 kHz beacon frequencies and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline and Li-Ion battery trays, batteries, charger and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing and between large, small or no stand. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1603 TK RECON2, North America Radio  
approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela

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PART NO.	DESCRIPTION
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**TK RECON1**

The tracker detects a single 29 kHz beacon frequency and may utilize an ISM telemetry radio to communicate to the rig display, the ISM radio frequency is country specific. See corresponding part numbers below. Each Tracker comes standard with an alkaline battery tray, alkaline batteries and operators manual. Selectable options include, the choice between Hard Case, carry bag or nothing, between large, small or no stand or add the option to include the Li-Ion battery, tray and charging system. Separately, select a corresponding, country specific TD RECON or TDR RECON display.

102-1595 TK RECON1, North America Radio  
approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela

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PART NO.	DESCRIPTION
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**Commander™ 7 Display**

The Commander™ 7 is used exclusively with all models of TK Recon tracker and supported beacons. The system leverages the planning capabilities of the Field Scout™ mobile through the built-in ScoutView™ application. The system provides projected depth information and offers both Classic and Advanced Drill-To guidance modes. The display utilizes an ISM radio to communicate to the tracker, radio frequency is country specific. See corresponding part numbers below. The display has internal data storage capabilities and works with TMS Plus and TSR software. The system includes all necessary cabling and antenna, display assembly, dash assembly hard case and operators manual.

102-2565 Commander 7, SV, North America  
approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela

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PART NO.	DESCRIPTION
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**Commander™ 7 Parts and Accessories**

220-2814	CMDR 7 Competitive Mount Kit 23x30 24x40
240-7210	ScoutView
220-2633	COMMANDER 7 DEMONSTRATION KIT
222-6714	HARNESS, COMMANDER 7, DEMO
222-6720	8 PIN CONNECTOR PLUG, COMMANDER 7
222-6721	PLUG SEAL, COMMANDER 7
222-3219	LANYARD
222-6978	CMDR 7 DISPLAY 48" EXTENSION CORD (web)
222-6615	2.5" MOUNTING MAGNET, 3/8-16
222-6617	COMMANDER 7 MAGNET COVER
220-2770	Commander 7 Mag Mount Kit
222-6707	CIRCULAR RAM MOUNT 1.5" WITH 3/8-16 STUD
220-2645	COMMANDER 7 MOUNTING PLATE, JT5
222-6729	JT 20 AND 30 DASH PLATE, COMMANDER 7
222-6620	RAM, DISPLAY ARM, STANDARD
222-6719	COMMANDER 7 CARRYING CASE
222-6517	ANTENNA, 902-960MHz (Rig Antenna)
222-6519	868MHz Antenna (Rig Antenna)

**Integrated Display JT24 / JT40 CAN Bridge**

The CAN Bridge INT, SV, is used with integrated displays available on current Ditch Witch JT/AT40 and JT24 machines and are used exclusively with all models of TK Recon tracker and supported beacons. This Can Bridge should be ordered with applicable machines upon order configuration however can be ordered separately utilizing the appropriate part numbers below.

220-6738	RECON CAN BRIDGE INT, SV, NORTH AMERICA
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PART NO.	DESCRIPTION
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**Commander™ 7 Dash Assemblies**

The Commander™ 7 Dash Assy, SV, is used with Commander™ 7 Displays and are used exclusively with all models of TK Recon tracker and supported beacons. When purchased alone, the Commander™ 7 Dash Assembly allows an existing Commander™ 7 display to be shared with or moved to a second drill without having to remove any hard-mounted components from the first. This Commander™ 7 Dash Assembly is included with Integrated Displays, however, can be ordered separately utilizing the appropriate part numbers below.

220-6758 COMMANDER 7 DASH ASSY, SV, NORTH AMERICA

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PART NO.	DESCRIPTION
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**TD RECON Display**

The display is available as an in-dash mount (TD) or remote mount (TDR). Both styles of the display presents information displayed by the tracker at a distance up to 2000 ft (609.6 m) with the UHF radio. The display utilizes an ISM radio to communicate to the tracker, radio frequency is country specific. See corresponding part numbers below. The display has internal data storage capabilities and works with TMS Plus and TSR software. The TK RECON Display works with all models of TK RECON trackers. Each display comes standard with mounting hardware required to install on drill rigs.

102-1616 TD RECON, North America Radio  
approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela

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PART NO.	DESCRIPTION
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**TK Recon Repeater**

The TK Recon Repeater is used exclusively with all models of TK Recon tracker and displays. The system has a lightweight, compact design that is highly durable and is offered as a range extender and a tool to combat line of sight issues found on the HDD jobsite. The TK Recon Repeater leverages a simple to use, single button operation which features more than 50 hours of continuous battery life and the ability to mount to any ¼"-20 accessory.

102-1681 RECON REPEATER, NORTH AMERICA  
approved countries are: Canada, Columbia, Mexico, Peru, United States, Venezuela



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**PART NO. DESCRIPTION**

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**TK/TD RECON Parts and Accessories**

See Tracker and Display Parts and Accessory section under the TK series for common parts such as cases, bags and stands.  
See accessories below specific to the RECON series.

220-2407 TDR DISPLAY KIT  
220-2769 REPEATER MAG MOUNT KIT  
220-2498 Battery Tray Final Assy, Alk & NiMH  
220-2500 Battery Tray Final Assy, Li-Ion  
220-2575 TDR Recon Mag Mount Kit – DW 900MHz  
220-2577 TDR Recon Mag Mount Kit – Other 900MHz  
222-5260 TK Recon Battery Cap  
222-5264 O-Ring  
220-6775 LI ION BATTERY KIT  
222-5521 Li Ion Btry 7.2V (TK Recon Rechargeable)  
222-5592 900MHz Rubber Duck Ant/Male (Remote Ant)  
222-6517 ANTENNA, 902-960MHz (Rig Antenna)  
222-6519 868MHz Antenna (Rig Antenna)  
222-6530 2.4GHz antenna 2.0dBi STD SMA  
222-6540 Seven band external antenna, TNC

**15T Beacon Transmitter**

15T series beacons are available in a single 29 kHz frequency (15T1) or a three frequencies 12/20/29 kHz (15T3). They work with the TK or TK RECON tracker series. Prior to a bore, the 15T3 beacon can be configured with two of three frequencies 12 kHz, 20 kHz, and 29 kHz and can be configured with standard, high or extreme power. The 15T1 is 29 kHz and standard power level. The 15T series beacons are Grade pitch. The beacons are a universal length @ 15 in (381 mm) and an 1.25 in (31.7 mm) diameter, which fits into housings that are designed for a DCI transmitter. An optional 220-2356 hard case, batteries and isolators are available in the selectable parts section.

102-1632 15T1 Beacon, single 29 kHz frequency, standard power level  
  
102-1588 15T3 Beacon, configurable 12, 20 or 29 kHz frequency; standard, high or extreme power levels

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PART NO.	DESCRIPTION
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**17T Beacon Transmitter**

17T series beacon transmitters are available in multiple frequency and power options. They work with the TK or TK RECON tracker series. Prior to a bore, the 17T4 and 17T4G beacons can be configured with two of four frequencies 1.5 kHz, 12 kHz, 20 kHz, and 29 kHz. It can also be configured with standard, high or extreme power. The 17T1 is 29 kHz and standard power. The 17T1H is 29 kHz and high power. "G" designates Grade pitch, everything else is Standard Pitch. The beacon comes standard with flat-top/half-moon isolators for side-load housings. An optional 220-1090 hard case, batteries and other isolators are available in the selectable parts section. Length is 17.8 in (452 mm), diameter is 1.5 in (38 mm).

102-1715	17T1 BEACON, BASE UNIT
	29 kHz frequency, standard power level
102-1716	17T1H BEACON, BASE UNIT
	29 kHz frequency, high power level
102-1717	17T4 BEACON
	1.5, 12, 20 and 29 kHz frequencies; standard, high or extreme power levels, standard pitch

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PART NO.	DESCRIPTION
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**Beacon Parts and Accessories**

220-2356 Beacon Case, 15T  
220-1090 Beacon Case, 17T/86BV3/850B  
220-1091 17T4G/850BG CASE ASSY & ACCESSORY KIT  
220-2565 CASE ASSEMBLY, 19T3  
220-2578 ASSEMBLY, BATTERY CAP 17T  
220-2794 17T Battery Cap Update Kit  
908-4304 ISOLATOR, 1.5 IN DCI FRONT  
908-4295 ISOLATOR, DCI UNIV REAR  
906-2624 SLEEVE, 86 BEACON  
906-2702 SLEEVE, DCI SONDE

**Repair Modules**

220-2535 17T1 BEACON REPAIR ASSEMBLY  
220-2536 17T1H BEACON REPAIR ASSEMBLY  
220-2537 17T4 BEACON REPAIR ASSEMBLY

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PART NO.	DESCRIPTION
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**Tracker and Display Parts and Accessories**

220-2239	TDR Mag Mount Kit - Ditch Witch for USA, Canada, Australia, and Russia
220-2248	TDR Mag Mount Kit - DW Low Freq for Germany, Sweden, & Other European Union Countries
220-2247	TDR Mag Mount Kit - Other Drill for USA, Canada, Australia, and Russia
220-2249	TDR Mag Mount Kit - Other Drill Low Freq for Germany, Sweden, & Other European Union Countries
220-2225	PLATE, RAM Mount
222-4411	Tracker Base Mount Small
222-4105	Tracker Base Mount Big
222-5446	3220 HARD CASE, TK SYSTEM
220-2383	Carry Bag, W/ Blank Strap (830)
222-4163	750 TO TD JUMPER
222-4166	ON-DASH CONTROL HARNESS
222-4191	ARM, DOUBLE SOCKET, 1" BALL, COMPOSITE
222-4302	Cable Assembly, SMA – BNC, RG174
222-6212	TK EVA CASE, COMBO
220-2661	TRACKER SWIVEL BASE MOUNT

**Trac Management System (TMS) Plus**

Trac Management System (TMS) Plus is an integrated planning and mapping system for Horizontal Directional Drilling. The TMS Plus will work on any Jet Trac® equipped with the required Subsite® systems. Requirements for the TMS Plus include a TD / TDR Display, a TK / TKD / TKQ Tracker, 750 / 752 Display, a 750 / 752 Tracker and any Ditch Witch® pitch beacon. A computer capable of running Windows 95 or higher is needed. The TMS Plus Kit includes a cable to connect from the unit to the computer, a software disc, and a manual.

220-054	TMS PLUS CD ONLY OPTION
220-1006	TMS Plus Dealer CD
222-2335	USB DATA CABLE

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PART NO.	DESCRIPTION
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**DrillLok™ Remote/Base**

DrillLok™ is a remote disable feature that incorporates a "report" feature from the HDD unit back to a Handheld device. The report provides an indication to the tracking crew that the rig is disabled there by locking out any inadvertent motion of the drill string.

102-1552 DrillLok™ Paired, US, Basic Unit

approved countries are: USA, China, Columbia, India, Malaysia, Mexico, Thailand, Venezuela

**DrillLok™ Mounting Accessories****JT5**

Shipped with: 350-4268 JT5 REMOTE DRILL LOCK

**JT9**

Shipped with: 350-2653 MOUNTING ASSY

**JT20**

Shipped with: 215-2288 RIG DISABLE HARNESS

**JT25**

Shipped with: 350-2653 MOUNTING ASSY

**JT30 / AT30**

Shipped with: 215-2288 RIG DISABLE HARNESS

**JT40**

Shipped with: 350-2653 MOUNTING ASSY

**JT60 / AT60**

Shipped with: 350-2653 MOUNTING ASSY

**JT100 / AT100**

Shipped with: 350-2653 MOUNTING ASSY