



<b>CROSS-REFERENCE</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
100030	010-0040-250	Screw, #2-56 UNC x 0.250 inch HEX Socket Cap Screw LG
100030	010-0042-250	Screw, 2-56 x 1/4", Pan Head, Slotted, SS
100560	010-0041-375	Screw, 2-56 x 3/8", Fillster Head, Slotted, SS
102971	010-0070-250	Screw, #6-32 UNC x 0.250 inch Phillips Flat Screw LG 18
102972	010-0070-375	Screw, #6-32 UNC x 0.250 inch Phillips Flat Screw LG 18
103180	010-0081-500	Screw, #6-32 UNC X 0.500 inch HEX Socket Cap Screw LG
103180	010-0115-500	Screw, #6-32 UNC x 0.500 inch, HEX Socket Cap Screw LG
103200	010-0081-750	Screw, #6-32 UNC x 0.375 inch HEX Socket Cap Screw LG
103310	010-0081-250	Screw, #6-32 UNC x 0.250 inch HEX Socket Cap Screw LG
104110	010-0090-313	Screw, #8-32 UNC x 0.313 in, Phillips Flat Screw LG 18-8
104440	010-0101-250	Screw, #8-32 UNC x 0.250 inch HEX Socket Cap Screw LG
106720	010-0116-375	Screw, #0.250-20 UNC x 0.375 in hex socket set screw,
126710	020-0065-063	Heat Shrink Tubing, 1/16" 2:1 Semi-rigid Kynar, per foot
201162	072-0020-03	Wear Sleeve, Nitronic, 1.440in X 1.540in X 2in
223536	020-0011-03	Tape - Kapton 0.500 inch
381070	025-0043-01	Connector, 9 PIN MDM Connector
381080	025-0043-02	Connector, 9 SKT MDM Connector
381510 (AS-011)	070-0011-75	Viton 75 duro 011 O-ring
381560 (AS-124)	070-0124-75	Viton 75 duro 124 O-ring
381580 (AS-126)	070-0126-75	Viton 75 duro 126 O-ring
381611 (AS-220)	070-0220-75	Viton 75 duro 220 O-ring
450017	001-0129-01	Pressure Transducer Assembly, Hammer Union



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460006G001	001-0004-01	Kit, Surface Equipment:
972182	025-0012-01	Pulser Solenoid 150C
981007 (AS-127)	070-0127-75	Viton 75 duro 127 O-ring
981008 (AS-233)	070-0233-75	Viton 75 duro 233 O-ring
981009 (AS-221)	070-0221-75	Viton 75 duro 221 O-ring
981012	005-0222-01	Plenum, BeCu HT for 3 in Bore
981038	005-0221-01	Main Signal Shaft
981051	005-0022-150	Orifice, 1.500 in
981059	005-0022-155	Orifice, 1.550 in
981060	005-0022-160	Orifice, 1.600 in
981060	005-0022-170	Orifice, 1.700 in
981060	005-0022-180	Orifice, 1.800 in
981066	005-0022-140	Orifice, 1.400 in
981066	005-0022-145	Orifice, 1.450 in
981067	005-0022-135	Orifice, 1.350 in
981068	005-0022-125	Orifice, 1.250 inch
981068	005-0022-128	Orifice, 1.280 inch
981068	005-0022-131	Orifice, 1.310 inch
981076	005-0086-01	Main Shaft Spring
981086 (AS-125)	070-0125-75	Viton 75 duro 125 O-ring
981098	001-0135-01	Pulser, Assembly
981140	005-0020-03	Poppet, Tip 1.125 inch



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981140	005-0021-03	Poppet, Sleeve 1.125 inch
981141	005-0025-01	Pulser, Spring Shaft, Long End
981142	005-0046-01	Pulser, Spring Shaft, Short End
981143	010-0119-01	Wavy Spring 1.125 inch bore DIA
981144	010-0024-250	Tension Pin, 0.063 in X 0.250 in Slotted Spring
981145	010-0122-01	Retaining Ring, 1.250, SST (Solenoid)
981148	005-0220-01	Piston Cap
981154	005-0062-01	Wire Tube
981155	005-0043-01	Compensation Membrane Support
981157	005-0042-01	Compensation Membrane Housing
981160	005-0041-01	Pulser, Spring Shaft, Spacer - Short
981161	005-0035-02	Solenoid, Crown
981162 A	072-0020-01	Wear Sleeve, Ceramic, 1.440 in x 1.540 in x 2.995 in
981162 B	072-0020-02	Wear Sleeve, Ceramic, 1.440in X 1.540in X 2in
981163	072-0005-01	Pulser Teflon Shim
981168	005-0035-01	Oil Fill Housing
981169	005-0029-01	Pulser, Oil Plug
981170 (201170)	072-0002-01	Polypak Seal - Black
981189	005-0040-01	Pulser, Spring Shaft, Spacer - Long
981190	072-0010-01	Compensation Membrane
981195	005-0031-01	Solenoid, Housing
981204	005-0045-01	Flow Sensor Housing



<b>CROSS-REFERENCE</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
981213	005-0020-02	Poppet Tip, 1.086 inch
981213	005-0021-02	Poppet, Sleeve 1.086 inch
981214	005-0020-01	Poppet, Tip 1.040 inch
981233	072-0011-01	Viton Bellows
981233	072-0011-02	Bellows, High Temperature
981321	005-0219-01	Pulser Helix End
981333	010-0044-500	Tension Pin, 0.094 inch X 0.500 inch SS Spiral
981348	005-0044-01	Servo Poppet, Assembly
981371	005-0071-01	Muleshoe Key (small)
981391	005-0070-01	Main Shaft Orifice
981392	005-0028-03	Servo Orifice
981477	005-0024-01	Pulser, Mud Screen Slotted
981503	005-0215-01	Interconnect Split Ring
981504	005-0216-01	Threaded Ring
981504	005-0216-03	Threaded Ring, Nitronic
981505	005-0005-01	Kintec Housing Top
981506	005-0003-01	Split Shell
981508 (AS-218)	070-0218-75	Viton 75 duro 218 O-ring
981509	005-0002-01	Box Connector Housing
981514	005-0004-01	Module End (Inter-Module End)
981515 (AS-213)	070-0213-75	Viton 75 duro 213 O-ring
981518 A	005-0051-01	Flow Sensor Plug



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981518 B	005-0051-02	Flow Sensor Plug Retention Bolt
981519	005-0039-01	Screw, Position
981521	005-0006-01	Kintec Housing Bottom
981522	025-0035-01	Kintec Connector 4P/6S (40/60)
981523	025-0036-01	Kintec Connector 6P/4S (60/40)
981524	005-0016-01	Breakout Box, Test Housing
981529	001-0310-01	Snubber Assy, Pulser Driver
981532	005-0030-01	Driver Housing (Circuit Sleeve)
981534	005-0051-04	Flow Sensor Plug 175 Degrees C
981543	005-0038-01	Position Spacer
981598	025-0013-02	Rotary Connector, Male, 4 Conductor with Kintec
981599	025-0013-01	Rotary Connector, Female, 4 Conductor
981617	001-0310-02	Snubber Assy, Battery
981622 (AS-016)	070-0016-75	Viton 75 duro 016 O-ring
981631	005-0010-01	Battery Bulkhead
981635	005-0001-01	Battery, Housing
981645	005-0009-01	Battery Vent Plug
981701	001-0105-01	Overshot Jar UP/DOWN Tool with Threaded Skirt
981711 A	005-0090-01	Spearpoint Pin SST
981711 B	005-0090-02	Spearpoint Pin HARDENED
981733	005-0001-06	Directional Module, Housing, 3-BAY
981748	005-0201-02	Interconnect Shaft, Wired



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981752	005-0201-01	Interconnect Shaft
981754	005-0034-01	Grease Plug
981757	005-0205-01	Rubber Finned Interconnect Body
981757	005-0204-01	Rubber Finned Interconnect Body
981758	001-0303-00	Interconnect, Rubber Finned Assembly
981759	005-0206-01	Compression Spring for low profile blades
981823 A	005-0213-01	Abrasion Ring, (Wear Ring), Small OD
981823 B	005-0213-02	Abrasion Ring, (Wear Ring), Large OD
981824	005-0210-01	Muleshoe Wear Cup
981827	005-0211-01	Sleeve, Muleshoe Bottom Sleeve
981828 A	010-0017-01	Snap Rings, 2 in Internal SST
981828 B	010-0017-02	Snap Rings, 2.438 inch Internal SST
981829 (AS-140)	070-0140-75	Viton 75 duro 140 O-ring
981830	001-0128-310	Muleshoe Assembly, 4.75 inch (3.10 OD)
981832	005-0240-340	Muleshoe Body, 4.75 / 6.50
981850-001	090-0101-440	Thread Tap, 4-40
981850-002	090-0101-632	Thread Tap, 6-32
981850-003	090-0101-832	Thread Tap, 8-32
981855	090-0101-256	Thread Tap, 2-56
981900G003	001-0400-150	Directional Module, Assembly, 150C, GE Design
981900G003	001-0400-175	Directional Module, Assembly, 175C, GE Design
981900G003	001-0401-150	Directional Module, Assembly, 150C, OFG Design 1



<b>CROSS-REFERENCE</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
981900G003	001-0401-175	Directional Module, Assembly, 175C, OFG Design 1 (High
981900G003	001-0402-150	Directional Module, Assembly, 150C, OFG Design 2
981900G003	001-0402-175	Directional Module, Assembly, 175C, OFG Design 2
981990	060-0004-02	Pulser Pigtail
981991	060-0004-01	Battery Bottom Pigtail
981992 A	060-0004-03	Directional Module, Top Pigtail
981992 B	060-0004-04	Directional Module, Bottom Pigtail
983130	060-0001-01	Cable, Tool Test Cable, 30ft
983140	001-0017-01	Breakout Box
983150	001-0017-02	Jumper Cable (Interconnect cable)
983230	090-0112-01	Wrench, Barrel - ZT3:1.875 FRICTION TONGS
985014	090-0069-01	Torque Wrench, 0.500 in Drive 10-150FT-LBS
AS-006	070-0006-75	Viton 75 duro 006 O-ring
AS-007	070-0007-75	Viton 75 duro 007 O-ring
AS-012	070-0012-75	Viton 75 duro 012 O-ring
AS-013	070-0013-75	Viton 75 Duro 013 O-ring
AS-015	070-0015-75	Viton 75 duro 015 O-ring
AS-017	070-0017-75	Viton 75 duro 017 O-ring
AS-019	070-0019-75	Viton 75 duro 019 O-ring
AS-020	070-0020-75	Viton 75 duro 020 O-ring
AS-023	070-0023-75	Viton 75 duro 023 O-ring
AS-027	070-0027-75	Viton 75 duro 027 O-ring



<b>CROSS-REFERENCE</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
AS-030	070-0030-75	Viton 75 duro 030 O-ring
AS-112	070-0112-75	Viton 75 duro 112 O-ring
AS-120	070-0120-75	Viton 75 duro 120 O-ring
AS-121	070-0121-75	Viton 75 duro 121 O-ring
AS-123	070-0123-75	Viton 75 duro 123 O-ring
AS-136	070-0136-75	Viton 75 duro 136 O-ring
AS-201	070-0201-75	Viton 75 duro 201 O-ring
AS-208	070-0208-75	Viton 75 duro 208 O-ring
AS-214	070-0214-75	Viton 75 duro 214 O-ring
AS-216	070-0216-75	Viton 75 duro 216 O-ring
AS-217	070-0217-75	Viton 75 duro 217 O-ring
AS-224	070-0224-75	Viton 75 duro 224 O-ring
AS-225	070-0225-75	Viton 75 duro 221 O-ring
AS-226	070-0226-75	Viton 75 duro 226 O-ring
AS-227	070-0227-75	Viton 75 duro 227 O-ring
AS-228	070-0228-75	Viton 75 duro 228 O-ring
AS-229	070-0229-75	Viton 75 duro 229 O-ring
AS-238	070-0238-75	Viton 75 duro 238 O-ring
AS-249	070-0249-75	Viton 75 duro 249 O-ring
AS-265	070-0265-75	Viton 75 duro 265 O-ring
AS-271	070-0271-75	Viton 75 duro 271 O-ring
AS-318	070-0318-75	Viton 75 duro 318 O-ring



<b>CROSS-REFERENCE</b>	<b>PART NUMBER</b>	<b>DESCRIPTION</b>
AS-321	070-0321-75	Viton 75 Duro 321 O-Ring
AS-326	070-0326-75	Viton 75 Duro 326 O-Ring
R04190	005-0066-01	Pulser, Spring Shaft Springs