

Fluid Rower E520 Parts List

ISSUE DATE August 2010

Part No **QTY** **Description**
per Machine

PRODUCT ASSEMBLIES

A001 **1** **Seat Wheel Kit E316/E520/S500**

10020 12 Seat Spacer 1x12.5x16

10076 4 Seat Wheel Polyurethane

10077 2 Shaft 12x149

Note that earlier model fluid rowers had narrower axle widths. Need to provide extra washers for the customer to add or take out as needed.

10078 4 C Clip ISTW-12

A002 **1** **ABS Belt Pulley Assembly E520**

10016 1 C Clip STW-25

10021 1 Pulley Decal

10137 1 Belt Pulley Spacer

13014 1 Belt Pulley & 2 x INA One Way Bearings #10019

A003 **1** **Bungee Assembly E520/S500**

10091 1 Bungee

10092 1 Belt

10093 1 Shock Cord Joiner

10094 1 Bungee End Hook

10162 2 Grub Screw M8x10

A006 **1** **Sensor Kit**

10157 1 Sensor Round

10158 1 Magnetic Ring & 6x Rare Earth Magnet 4mm #10057

10187 1 Sensor Bracket

20150 1 Bolt M10x15

Note: A006 kit applies to all Fluid Products manufactured from 3/01/06 . onwards with the SMC tankback. Serial numbers from 060070403-to present

A009 **1** **Complete Tank Assembly E520/S500**

A006 1 Sensor Kit

10012 2 Bearing NSK6005ZZ

10017 1 Key Way 7x7x32

10025 1 Seal NBR 37x30x8t for Flywheel Shaft

10026 1 Small PK Transmission Pulley 50mm

10027 1 Adjuster Handle Shaft

10028 1 Stainless 0.8mm Backing Plate

10030 1 Blue Adjuster PP Tank Ring 358x10

10032 2 Nylon Resistance Adjuster O ring 12x9x1.5

10033 22 Washer 10x4.2x1 Stainless

10034 22 Nut M4 Stainless

10035 22 Bolt M4x12 Stainless

10036 16 Screw M3x20 SS for Blue Tank Ring

10039 2 O Ring 32x3.5-CR

10044 1 Tank Black Outer Cover Ring

10046 1 Tank Large Seal

10047 9 Impeller Blade

10052 1 Grub Screw M4x6

Part No	QTY	Description
	per Machine	
10062	12	Bolt M3x12
10083	1	Bolt M10x20
10136	1	Flywheel & Shaft E520
10138	1	Shaft Washer Stainless 30x10.2x3t for Flywheel
10139	1	Spring Washer M10 5.25x8.4x2
10145	1	Bearing Spacer 30x25.1x20.5mm
10162	2	Grub Screw M8x10
10184	1	Adjuster Handle & PU Cover #10193
10186	1	C Clip RTW-48
10207	1	Tank Plug Yellow
10300	1	SMC Blue Tank Back
13025	1	Cup Seal
13045	1	PC Tank Cover & Level Decal 20R
70321	1	Tank Plug Black
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A012	1	Tank Bearing & Seal Kit
10012	2	Bearing NSK6005ZZ
10025	1	Seal NBR 37x30x8t for Flywheel Shaft
10145	1	Bearing Spacer 30x25.1x20.5mm
10186	1	C Clip RTW-48
13025	1	Cup Seal
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A013	1	Tank Back Kit
10012	2	Bearing NSK6005ZZ
10025	1	Seal NBR 37x30x8t for Flywheel Shaft
10145	1	Bearing Spacer
10186	1	C Clip RTW-48
10300	1	SMC Blue Tank Back
13025	1	Cup Seal
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A017	1	Main Pulley Shaft Kit
10011	1	Bearing Housing on Pulley Shaft
10012	1	Bearing NSK6005ZZ
10013	1	Main Pulley Shaft & Shaft Sleeve Bearing Mount
10146	1	NSK 6006ZZ Ball Bearing
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A018	1	Complete Rail Assembly E520/S500
A019	1	Seat Rail - Right Assembly E520/S500
A020	1	Seat Rail - Left Assembly E520/S500
10041	2	Nut M10 Nylock
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A019	1	Seat Rail - Right Assembly E520/S500
10042	1	Nut M12 Nylock
10043	1	Washer M12
10074	1	Seat Rail - Right, Small & Large Decal #10102 & 10106
10080	1	Bolt M6x20
10081	2	Washer M6
10082	2	Washer M10
10084	1	Bungee Pulley
10085	1	Bearing NBN-6201ZZ
10086	1	C Clip RTW-35
10087	1	Spacer 16x12x12.5
10088	1	Bolt M12x50

Part No	QTY	Description
per Machine		
10096	1	Bolt M10x70 for Aluminum Rail
10098	1	Nut M6
10101	1	Rubber Bumper
10107	1	Spacer 19x13x41L
10140	1	Rear Leg Bolt 10x47.5mm
10141	1	Washer 13x20x1
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A020	1	Seat Rail - Left Assembly E520/S500
10073	1	Seat Rail - Left, Small & Large Decal #10102 & 10106
10080	1	Bolt M6x20
10081	2	Washer M6
10082	2	Washer M10
10096	1	Bolt M10x70 for Aluminum Rail
10098	1	Nut M6
10101	1	Rubber Bumper
10107	1	Spacer 19x13x41L
10140	1	Rear Leg Bolt 10x47.5mm
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A029	1	Seat Wheel Assembly & Bearings E316/E520
10020	16	Seat Spacer 1x12.5x16
10075	4	Bearing NBN 6301ZZ
10076	4	Seat Wheel Polyurethane
10077	2	Shaft 12x149
10078	4	C Clip ISTW-12
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A040	1	Complete Rowing Handle Assembly E520
10125	2	Handle Rubber Cover Ring 50x42x4
13081	1	Washer M5
13123	1	Handle Centre Rubber Cover
13173	1	Screw M5x20
13174	1	Nut Nylock M5
13510	1	Rowing Handle, Belt, Grip & 28.6mm Inserts
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A045	1	Rower Seat Kit E316/E520
10020	16	Seat Spacer 1x12.5x15
10075	4	Bearing NBN 6301ZZ
10076	4	Seat Wheel Polyurethane
10077	2	Shaft 12x149
10078	4	C Clip ISTW-12
10080	4	Bolt M6x20
10081	4	Washer M6
10101	1	Rubber Bumper
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A052	1	Flywheel Assembly E520
10033	18	Washer 10x4.2x1 Stainless
10034	18	Nut M4 Stainless
10035	18	Bolt M4x12 Stainless
10047	9	Impeller Blade
10136	1	Flywheel & Shaft E520
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A054	1	Tank Back and Flywheel Assembly
A052	1	Flywheel Assembly
10012	2	Bearing NSK6005ZZ

Part No	QTY	Description
		per Machine
10017	1	Key Way 7x7x32
10025	1	Seal NBR 37x30x8t for Flywheel Shaft
10026	1	Small PK Transmission Pulley 50mm
10052	1	Grub Screw M4x6
10083	1	Bolt M10x20
10138	1	Shaft Washer Stainless 30x10.2x3t for Flywheel
10139	1	Spring Washer M10 5.25x8.4x2
10145	1	Bearing Spacer 30x25.1x20.5mm
10186	1	C Clip RTW-48
10300	1	SMC Blue Tank Back
13025	1	Cup Seal

H005 1 Hardware kit E-520/S500

10041	4	Nut M10 Nylock
10080	4	Bolt M6x20
10081	4	Washer M6
10082	18	Washer M10
10083	8	M10x20 Bolt
10096	2	Bolt M10x70 for Aluminum Rail
10131	2	Water Treatment Tablets - 4 Tabs
10132	1	Plastic Funnel & Tube
10133	1	6mm Allen key
10140	4	Rear Leg Bolt M10x47.5mm
10143	1	4mm Allen Key
10160	1	Blue Dye
10195	1	Touch Up Paint
13904	1	Multi-Tool
N/A	2	AA Battery

PARTS

00903	1	Computer Rubber Key Pad
10011	1	Bearing Housing on Pulley Shaft
10012	3	Bearing NSK6005ZZ
10013	1	Main Pulley Shaft & Shaft Sleeve Bearing Mount
10015	1	Large PK Transmission Pulley 150mm
10016	1	C Clip STW-25
10017	2	Key Way 7x7x32
10018	1	Nylon Pulley Spacer 60x40x6.5
10020	16	Seat Spacer 1x12.5x16
10021	1	Pulley Decal
10025	1	Seal NBR 37x30x8t for Flywheel Shaft
10026	1	Small PK Transmission Pulley 50mm
10027	1	Adjuster Handle Shaft
10028	1	Stainless 0.8mm Backing Plate
10030	1	Blue Adjuster PP Tank Ring 358x10
10032	2	Nylon Resistance Adjuster O Ring 12x9x1.5
10033	22	Washer 10x4.2x1 Stainless
10034	22	Nut M4 Stainless
10035	22	Bolt M4 Stainless
10036	12	Screw M3x20 SS for Blue Tank Ring
10039	2	O Ring 32x3.5-CR

Part No	QTY	Description
		per Machine
10040	1	Bolt M12x140 for Tank Assembly
10041	4	Nut M10 Nylock
10042	4	Nut M12 Nylock
10043	7	Washer M12
10044	1	Tank Black Outer Cover Ring
10046	1	Tank Large Seal
10047	9	Impeller Blade
10052	2	Grub Screw M4x6
10057	6	Rare Earth Magnet 4mm
10062	24	Bolt M3x12
10063	2	Bolt M12x30
10066	2	End Cap 100x100mm
10067	2	Rubber Cover for Large PK Pulley
10068	1	Steel Side Cover Large 276mm
10069	1	End Cap 75x50mm
10070	16	Screw M4x10
10072	1	Steel Side Cover Small 100mm
10073	1	Seat Rail - Left, Small & Large Decal #10102 & 10106
10074	1	Seat Rail - Right, Small & Large Decal #10102 & 10106
10075	4	Bearing NBN 6301ZZ for Seat Frame
10076	4	Seat Wheel Polyurethane
10077	2	Axle Shaft 12x149
10078	4	C Clip ISTW-12
10079	1	Seat LS-E28
10080	10	Bolt M6x20
10081	16	Washer M6
10082	22	Washer M10
10083	7	Bolt M10x20
10084	1	Bungee Pulley
10085	1	Bearing NBN-6201ZZ
10086	1	C Clip RTW-35
10087	1	Spacer 16x12x12.5
10088	1	Bolt M12x50
10091	1	Bungee
10092	1	Belt
10093	1	Shock Cord Joiner
10094	1	Bungee End Hook
10096	4	Bolt M10x70 for Aluminum Rail
10097	2	Nut Dome Head M10
10098	2	Nut M6
10099	1	Caution Decal
10101	5	Rubber Bumper
10102	2	Aluminum Rail Large Decal
10103	1	Transport Wheel
10104	2	Plastic Spacer 15x10.1x12
10105	1	Shaft
10106	2	Aluminum Rail Small Patent Decal
10107	2	Spacer 19x13x41L for Rail
10109	1	PK Belt 7 Rib 926mm Hutchinson
10111	1	Belt Guard Aluminum
10114	4	Plastic Bushing 20x16x13x10

Part No	QTY	Description
		per Machine
10115	1	Bolt M10x80
10116	1	Bolt M10x60
10117	1	Computer Wiring 1200mm
10119	2	Stainless Handle Catch
10120	2	Bolt M6x15
10121	2	3M Foot Plate Non Slip
10122	1	Warning Decal
10125	2	Handle Rubber Cover Ring 50x42x4
10129	1	Decal - "How to Row "
10131	2	Water Treatment Tablets - 4 Tabs
10132	1	Plastic Funnel & Tube
10133	1	6mm Allen Key
10135	2	Rubber Rear Leg Insert Bottom
10136	1	Flywheel & Shaft E520
10137	1	Belt Pulley Spacer
10138	2	Shaft Washer Stainless 30x10.2x3t for Flywheel
10139	2	Spring Washer M10 5.25x8.4x2
10140	6	Rear Leg Bolt M10x47.5mm
10141	1	Washer 13x20x1
10143	1	4mm Allen Key
10145	1	Bearing Spacer 30x25.1x20.5mm
10146	1	Ball Bearing NSK6006ZZ
10157	1	Sensor Round
10158	1	Magnetic Ring & 6x Rare Earth Magnet 4mm #10057
10160	1	Blue Dye
10162	3	Grub Screw M8x10
10170	4	Washer M4
10171	2	Bolt M6x8
10174	2	Nut M6
10175	1	Heel Support Pin
10176	2	Foot Strap & Buckle #10177
10184	1	Adjuster Handle & PU Cover P/N 10193
10186	1	C Clip RTW-48
10187	1	Sensor Bracket
10189	1	Tank Tension Adjustment Bushing
10190	2	Washer M8x26
10191	1	Bolt M8x120
10195	1	Touch Up Paint
10207	1	Tank Plug Yellow
10300	1	SMC Blue Tank Back
10601	1	Seat Frame
10701	1	Rear Leg
10910	1	Front Leg
11101	1	Heel Support
13014	1	Belt Pulley & 2 x INA One Way Bearings #10019
13025	1	Cup Seal
13045	1	PC Tank Cover & Level Decal 20R
13081	1	Washer M5
13112	1	Computer Mounting Arm
13123	1	Handle Centre Rubber Cover
13173	1	Screw M5x25

Part No	QTY	Description
		per Machine
13174	1	Nut Nylock M5
13211	1	Main Frame Complete
13300	1	Flywheel Shaft Puller
13510	1	Rowing Handle, Belt, Grip & 28.6mm Inserts
13904	1	Multi-Tool
20150	1	Bolt M10x15
40903	1	1.8Meter Wireless HC IPM
60108	1	Spacer 8mm
70321	1	Tank Plug Black
71023	1	Heart Rate Wiring 1050mm

E520 - Recommended Parts Holding

Part No	Qty	Description
A003	3	Bungee Assembly E520
A006	3	Sensor Kit
A009	1	Complete Tank Assembly E520/S500
A012	2	Tank Bearing & Seal Kit
A018	1	Complete Rail Assembly E520/S500
H005	2	Hardware Kit E-520/S500
10016	1	C Clip STW-25
10017	1	Key Way 7x7x32
10025	3	Seal NBR 37x30x8t for Flywheel Shaft
10026	1	Small PK Transmission Pulley 50mm
10032	6	Nylon Resistance Adjuster O ring 12x9x1.5
10039	5	O Ring 32x3.5-CR
10044	1	Tank Black Outer Cover Ring
10046	3	Tank Large Seal
10062	12	Bolt M3x12
10066	2	End Cap 100 x 100mm
10067	2	Rubber Cover on 100mm Tube for Large PK Pulley
10069	1	End Cap 75x50mm
10076	12	Seat Wheel Polyurethane
10079	1	Seat LS-E28
10084	1	Bungee Pulley
10085	1	Bearing NBN-6201ZZ
10086	1	C Clip ISTW-35
10107	2	Spacer 19x13x41L for Rail
10109	2	PK Belt 7 Rib 926mm Hutchinson
10117	3	Computer Wiring 1200mm
10121	2	3M Foot Plate Non Slip
10125	4	Handle Rubber Cover Ring 50x42x4
10176	3	Foot Strap & Buckle #10177
10207	3	Tank Plug Yellow
11101	1	Heel Support
13014	1	Belt Pulley & 2 x INA One Way Bearings #10019
13045	2	PC Tank Cover & Level Decal 20R
13123	1	Handle Centre Rubber Cover
13510	1	Rowing Handle, Belt, Grip & 28.6mm Inserts
40903	3	1.8Meter Wireless HC IPM