

# RBSP EFW SPB Indented Drawing List

RBSP-EFW-SPB-003  
Rev G  
8/23/10

Compiled by G Dalton  
University of California, Berkeley

### Change Record

Date	Revision	Description
9/29/09	-	Baseline Release
11/19/09	A	Flight Fabrication Release
11/30/09	B	Part Revisions, Signed
12/3/09	C	Rolled Rev.
4/5/10	D	Flight Fabrication, add assembly drawings
6/28/10	E	ECN Changes
7/12/10	F	Assembly drawing update
8/23/10	G	Part update through ECN-039

### Required signatures:

SPB Approval: \_\_\_\_\_  
Gregory Dalton, RBSP EFW SPB Lead

Engineering Approval: \_\_\_\_\_  
Paul Turin, RBSP EFW Lead Engineer

QA Approval: \_\_\_\_\_  
Jorg Fisher, RBSP MAM

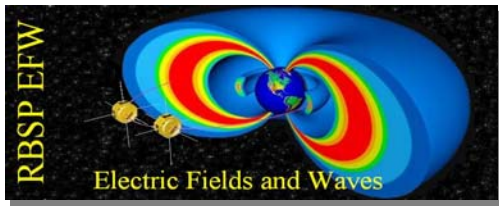
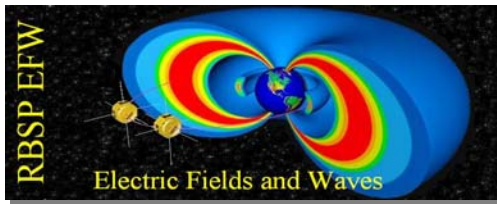


Table 1. Assembly drawings

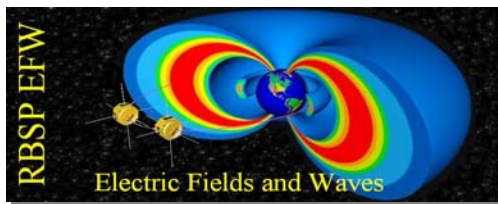
Drawing Number		Description	Rev	Date
RBSP-SPB-MEC-	001	SPB Assembly	A	8/23/10
RBSP-SPB-MEC-	002	Structure Alignment	A	8/23/10
RBSP-SPB-MEC-	003	Snout Assembly	A	8/23/10
RBSP-SPB-MEC-	004	Front Panel	A	8/18/10
RBSP-SPB-MEC-	005	Motorized Metering Wheel	A	8/23/10
RBSP-SPB-MEC-	010	Keyreel	A	8/23/10
RBSP-SPB-MEC-	011	Sphere Sensor	A	8/23/10
RBSP-SPB-MEC-	013	Motor	A	8/23/10
RBSP-SPB-MEC-	014	Motor Magnetic Shield	A	8/23/10
RBSP-SPB-MEC-	015	Meter Hub	A	8/23/10
RBSP-SPB-MEC-	016	Brake Caliper	A	8/23/10
RBSP-SPB-MEC-	019	Release Pin	A	8/23/10
RBSP-SPB-MEC-	020	Release Ring	A	8/23/10
RBSP-SPB-MEC-	023	Over Tension	A	7/21/10
RBSP-SPB-MEC-	024	Pinch Roller	A	8/23/10
RBSP-SPB-MEC-	025	Meter Wheel Cover	A	8/23/10
RBSP-SPB-MEC-	026	Enable Plug	A	8/23/10
RBSP-SPB-MEC-	027	Door Open Switch	A	8/23/10
RBSP-SPB-MEC-	028	Sphere Contact	A	8/23/10
RBSP-SPB-MEC-	030	Preamplifier Enclosure	A	8/23/10
RBSP-SPB-MEC-	034	Cable	A	4/6/2010
RBSP-SPB-MEC-	038	Slipping Harness	A	1/20/2011
RBSP-SPB-MEC-	040	Assembly Closeout	A	7/12/10

Table 2. Part drawings

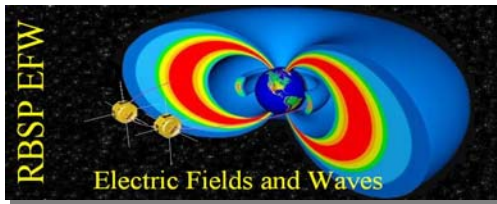
Drawing Number		Description	Rev	Date
RBSP-SPB-MEC	-201	Keyreel Housing	C	10/19/09
RBSP-SPB-MEC	-202	Fine Wire Guide	B	9/18/09
RBSP-SPB-MEC	-203-001	Keyreel Axle Bushing	B	9/18/09
RBSP-SPB-MEC	-203-002	Keyreel Axle Bushing	B	9/18/09
RBSP-SPB-MEC	-204	Keyreel Spring Axle	C	9/21/09
RBSP-SPB-MEC	-205	Fine Wire Axle	B	9/21/09
RBSP-SPB-MEC	-206	Keyreel Cover	B	9/21/09



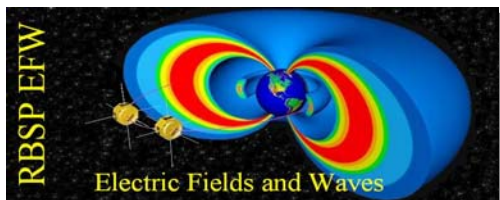
Drawing Number		Description	Rev	Date
RBSP-SPB-MEC	-207	Keyreel	B	9/21/09
RBSP-SPB-MEC	-208-001	Sensor Hemisphere	D	9/29/09
RBSP-SPB-MEC	-208-002	Sensor Hemisphere	D	9/29/09
RBSP-SPB-MEC	-212	Spring Guide Spacer	A	8/11/09
RBSP-SPB-MEC	-301	Lower Spool Half	B	9/21/09
RBSP-SPB-MEC	-302	Upper Spool Half	A	8/13/09
RBSP-SPB-MEC	-303	Drive Spool Side	B	9/21/09
RBSP-SPB-MEC	-304	Brake Spool Side	B	9/21/09
RBSP-SPB-MEC	-305	Spool Bushing	B	9/21/09
RBSP-SPB-MEC	-307	Slipring Retainer	A	8/14/09
RBSP-SPB-MEC	-308	Spool Connector Backshell	E	6/28/10
RBSP-SPB-MEC	-309	Cable Harness Guide	B	9/29/09
RBSP-SPB-MEC	-310	Spool Top Cover	D	11/5/09
RBSP-SPB-MEC	-311	Lower Friction Caliper Pad	B	9/21/09
RBSP-SPB-MEC	-312	Spool Bottom Cover	C	11/5/09
RBSP-SPB-MEC	-313	Friction Caliper Housing	C	8/14/09
RBSP-SPB-MEC	-314	Slipring Key	D	10/26/09
RBSP-SPB-MEC	-315	Spool Cable Guide	C	9/29/09
RBSP-SPB-MEC	-316	Cable Guide Bar	A	8/17/09
RBSP-SPB-MEC	-322	Caliper Sliding Boss	B	9/21/09
RBSP-SPB-MEC	-323	Caliper Pivot Boss	B	9/21/09
RBSP-SPB-MEC	-324	EOW Idler Pully	B	9/29/09
RBSP-SPB-MEC	-325	EOW Idler Arm	C	7/14/10
RBSP-SPB-MEC	-327	EOW Spring Tension Yoke	D	7/14/10
RBSP-SPB-MEC	-328	Tension Spring Pin	C	7/21/10
RBSP-SPB-MEC	-329	EOW Upper Housing	B	9/21/09
RBSP-SPB-MEC	-330	EOW Adjust Plate	B	10/5/09
RBSP-SPB-MEC	-331	EOW Lower Housing	B	9/21/09
RBSP-SPB-MEC	-332	Idler Cable Guard	B	9/21/09
RBSP-SPB-MEC	-336	Idler Axle	B	9/21/09
RBSP-SPB-MEC	-339	Slipring Ground Spring	A	4/5/10
RBSP-SPB-MEC	-340	Slipring Harness	B	9/21/09
RBSP-SPB-MEC	-401	Motor Support Plate	F	11/23/09
RBSP-SPB-MEC	-402	Front Panel	D	9/30/09
RBSP-SPB-MEC	-403	Release Ring Housing	B	9/21/09
RBSP-SPB-MEC	-404	Spool Support Plate	F	10/8/09
RBSP-SPB-MEC	-405	Lower Front Cover	B	9/30/09



Drawing Number		Description	Rev	Date
RBSP-SPB-MEC	-406	Upper Cross Plate	D	10/7/09
RBSP-SPB-MEC	-407	Upper Closeout Plate	B	9/30/09
RBSP-SPB-MEC	-408	Rear Connector Plate	F	12/8/09
RBSP-SPB-MEC	-409	Release Pin Cover	C	10/12/09
RBSP-SPB-MEC	-410	Motor Cam Cover	C	11/23/09
RBSP-SPB-MEC	-411	Enable Plate	D	12/8/09
RBSP-SPB-MEC	-412	Bottom Back Cover	C	9/30/09
RBSP-SPB-MEC	-413	Enable Sleeve	D	10/19/09
RBSP-SPB-MEC	-414	Long Angle Mount	B	9/21/09
RBSP-SPB-MEC	-415	Short Angle Mount	B	9/21/09
RBSP-SPB-MEC	-417	Mounting Bolt Washer	A	8/18/09
RBSP-SPB-MEC	-420	Motor Closeout Cover	C	9/30/09
RBSP-SPB-MEC	-421	Motor Side Closeout	D	11/17/09
RBSP-SPB-MEC	-422	Back Motor Cover	C	9/30/09
RBSP-SPB-MEC	-423	Meter Wheel Cover Mount	B	10/20/09
RBSP-SPB-MEC	-428	Top Back Cover	A	9/30/09
RBSP-SPB-MEC	-429	Bottom Cover	A	9/30/09
RBSP-SPB-MEC	-430	Cover Joining Plate	B	10/12/09
RBSP-SPB-MEC	-431	Bottom Cover Jointer	B	10/12/09
RBSP-SPB-MEC	-501	Meter Wheel Casing	F	9/21/09
RBSP-SPB-MEC	-502	Meter Wheel Casing Cover	C	9/21/09
RBSP-SPB-MEC	-503	Motor Angle Mount	F	10/30/09
RBSP-SPB-MEC	-504	Meter Wheel Lining	C	9/22/09
RBSP-SPB-MEC	-505	Crossover Guide	B	9/29/09
RBSP-SPB-MEC	-506	Cable Guide Cover	D	9/29/09
RBSP-SPB-MEC	-507	Pinch Roller Carrier	B	8/18/09
RBSP-SPB-MEC	-508	Meter Wheel Pinch Roller	C	1/21/09
RBSP-SPB-MEC	-509	Pinch Roller Shaft	A	8/18/09
RBSP-SPB-MEC	-510	Hub Shear Sleeve	B	9/22/09
RBSP-SPB-MEC	-511	Meter Wheel Hub	F	11/9/09
RBSP-SPB-MEC	-512	Meter Wheel Rim	E	4/5/10
RBSP-SPB-MEC	-513	Meter Wheel Cam	D	9/22/09
RBSP-SPB-MEC	-514	EMI Shield	C	9/22/09
RBSP-SPB-MEC	-526	Motor Magnetic Shield	C	9/22/09
RBSP-SPB-MEC	-528	EMI Shield Cover	C	9/22/09
RBSP-SPB-MEC	-529	Meter Hub Sleeve	B	8/18/09
RBSP-SPB-MEC	-530	Pinch Roller Adjust Screw	C	9/22/09
RBSP-SPB-MEC	-531	Meter Bearing Spacer	A	8/19/09



Drawing Number		Description	Rev	Date
RBSP-SPB-MEC	-532	Cam Switch Mount	B	9/22/09
RBSP-SPB-MEC	-533	Switch Screw Plate	B	9/22/09
RBSP-SPB-MEC	-534	Meter Wheel Shaft	B	9/22/09
RBSP-SPB-MEC	-535	Motor Flange Ring	A	4/5/10
RBSP-SPB-MEC	-536	Meter Front Spacer	A	4/5/10
RBSP-SPB-MEC	-537	Shear Pin	A	4/5/10
RBSP-SPB-MEC	-601	Snout	C	3/2/10
RBSP-SPB-MEC	-602	Snout Door	E	3/1/10
RBSP-SPB-MEC	-603	Door Open Indicator Lever	C	9/23/09
RBSP-SPB-MEC	-604	Sphere Retainer	B	9/23/09
RBSP-SPB-MEC	-605	Door Switch Plate	C	3/10/10
RBSP-SPB-MEC	-606	Switch Arm Bushing	D	4/5/10
RBSP-SPB-MEC	-607	Switch Arm Pin	B	9/23/09
RBSP-SPB-MEC	-608	Switch Bearing Shaft	B	9/23/09
RBSP-SPB-MEC	-609	Snout Plate Cover	B	9/23/09
RBSP-SPB-MEC	-617	Door Hinge Pin	B	9/23/09
RBSP-SPB-MEC	-618	Sphere Contact Plunger	B	9/23/09
RBSP-SPB-MEC	-619	Plunger Housing	C	9/29/09
RBSP-SPB-MEC	-620	Plunger Clip	B	10/5/09
RBSP-SPB-MEC	-621	Switch Arm Spacer	A	8/20/09
RBSP-SPB-MEC	-622	Cup Stop	C	4/5/10
RBSP-SPB-MEC	-623	Door Hinge Bushing	A	8/20/09
RBSP-SPB-MEC	-652	Preamp Cup	E	1/21/10
RBSP-SPB-MEC	-701	Release Pin Housing	B	9/23/09
RBSP-SPB-MEC	-702	Release Pin	B	9/23/09
RBSP-SPB-MEC	-703	Release Pin Retainer	B	9/23/09
RBSP-SPB-MEC	-704	Release Spring Retainer	B	9/23/09
RBSP-SPB-MEC	-705	Release Spring Stop	A	8/20/09
RBSP-SPB-MEC	-706	Release Pin Shank	B	9/23/09
RBSP-SPB-MEC	-707	Release Ring	D	3/1/10
RBSP-SPB-MEC	-708	Ring Bearing Shaft	B	9/23/09
RBSP-SPB-MEC	-709	Release Ring Retainer	B	7/15/09
RBSP-SPB-MEC	-710	TiNi Actuator Bracket	B	9/23/09
RBSP-SPB-MEC	-713	Ring Pin Detent	B	9/23/09
RBSP-SPB-MEC	-714-001	Spring Anchor Post	C	9/23/09
RBSP-SPB-MEC	-714-002	Spring Anchor Post	C	9/23/09
RBSP-SPB-MEC	-715	Spring Post Base	D	9/29/09
RBSP-SPB-MEC	-716	Bearing Spacer	B	9/23/09



Drawing Number		Description	Rev	Date
RBSP-SPB-MEC	-717	Release Bearing Shaft	A	4/5/10
RBSP-SPB-MEC	-718	Release Bearing Shim	A	4/5/10
RBSP-SPB-MEC	-801	Usher	D	9/23/09
RBSP-SPB-MEC	-802	Sphere Mount	A	8/20/09
RBSP-SPB-MEC	-803	Cable Bollard	C	12/17/09
RBSP-SPB-MEC	-804	Socket Holder	D	6/24/10
RBSP-SPB-MEC	-805	Fine Wire Ferrule	C	6/28/10
RBSP-SPB-MEC	-806	Cable Holder Nut	C	12/17/09
RBSP-SPB-MEC	-809	Preamp Front Shield	C	9/23/09
RBSP-SPB-MEC	-810	Preamp Can Shield	C	9/23/09
RBSP-SPB-MEC	-812	Ferrule Spring	A	8/20/09
RBSP-SPB-MEC	-813	Guard	C	9/23/09
RBSP-SPB-MEC	-814	Guard Isolator	A	8/20/09
RBSP-SPB-MEC	-815	Screw Fitting	B	9/23/09
RBSP-SPB-MEC	-816	Bollard Isolator	A	12/17/08
RBSP-SPB-MEC	-817	Nut Isolator	B	4/20/10
RBSP-SPB-MEC	-818	Spring Washer	A	8/20/09
RBSP-SPB-MEC	-819	Curved Washer	A	8/21/09
RBSP-SPB-MEC	-820	Cable Spring	A	8/21/09
RBSP-SPB-MEC	-821	Mid Isolation Ring	A	8/21/09