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1.0 **PURPOSE**

- 1.1 To provide instruction to Evaluation and Rework Technicians as to which test(s) and/or verification(s) are required after evaluation or rework of the Spectrum Infusion Pump is performed.
- 1.2 To provide a checklist via the Worksheet to technicians who will perform the testing, inspections and/or verifications to the pump.
- 1.3 To provide quality inspection personnel a checklist, via the worksheet of tests that are/were required to be performed.

SCOPE 2.0

2.1 This document applies to the Spectrum Infusion Pump Model 35700BAX2.

REFERENCES 3.0

Document	Document Title				
CTP 35147-001-SVC	Force Sensor No-Tube Calibration, Spectrum Infusion Pump				
CTP 35147-002-SVC	Force Sensor Scale Factor Calibration, Spectrum Infusion Pump				
CTP 35700-002-SVC	Color Sensor Calibration, Spectrum Infusion Pump				
CTP 35700-003-SVC	Thermistor Calibration, Spectrum Infusion Pump				
CTP 35700-004-SVC	Cam Calibration, Spectrum Infusion Pump				
CTP 35703-002-SVC	Flow Rate Accuracy Calibration, Spectrum Infusion Pump				
CTP 35711-001-CFG2-SVC	Ultrasonic Sensor Calibration, Spectrum Infusion Pump				
CTP 35711-002-SVC	Optical Tube Sensor Calibration, Spectrum Infusion Pump				
INF 100-CFG2	Service Process Flow, V8				
ITP 35700-007-SVC	Cold Room Test, Spectrum Infusion Pump				
ITP 35700-010-SVC	Procedure for Inspecting Pumps After Upgrade of Operating Software				
ITP 35700-011-SVC	Operating Current, Battery Charger and Alarm Test, Spectrum Infusion Pump				
ITP 35700-019-SVC	Mechanism Inspection				
ITP 35700-020	Spectrum Pump Preventive Maintenance (PM) Procedure				
ITP 35700-023-SVC	Inspection of UV Glue Cure, Service Pumps				
ITP 35700-CFG2-SVC	Final Inspection Test Procedure, Spectrum Infusion Pump 35700-CFG2				
ITP 35701-SVC	Rear Case Assembly Programming and Test Procedure				
ITP 35703-002-SVC	Flow Rate Error Over Time, Spectrum Infusion Pump				
ITP 35711-001-SVC	Ultrasonic Sensor Fluid Transition Test, Spectrum Infusion Pump				
SWI 036	Upstream Pusher Setup, Spectrum Infusion Pump 35700BAX2				
SWI 123	Initial Pump Settings, Spectrum Infusion Pump				
SWI 124-CFG2	Service Case Closing, Spectrum Infusion Pump 35700BAX2				



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4.0 **DEFINITIONS**

Term/Acronym	Definition
Cal.	Calibration
Evaluator / Evaluation Technician	Technical Service Department Technician or Engineer assigned to evaluate a returned device associated with a complaint.
Non-Conformance	A departure from the requirements designated in the specification, drawing or other approved descriptive documents or process.
PM Repair Process	A repair consisting of defined parts and/or processes, that requires ITP 35700-020 as Final Release Testing.
Recertification	Action performed on a product to update for all service effective ECNs, calibrate and fully performance test to ensure product operates within published specifications
Ref	Reference
Remaining Testing	Testing that was required per the servicing process that has not yet been performed/ completed.
Repair (Standard)	Action taken on a product to address a related complaint
Rework	Action taken on a nonconforming product so that it will fulfill the specified DMR requirements before it is released for distribution.
Rework Technician	Technician assigned to evaluate and/or rework a device.

RESPONSIBILITIES 5.0

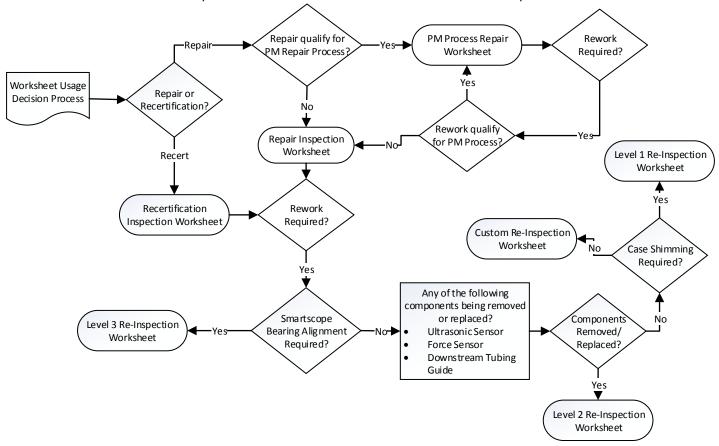
Responsible Party	Responsibility
Evaluation or Rework Technician	Review this document when determining which tests and/or calibrations are required, and include testing required by the rework or replacement procedure.
Operator performing the required Testing/Verification	Highlight the steps as they are completed.
Quality representative	Ensure that all testing and verifications checked as "Required" are completed.



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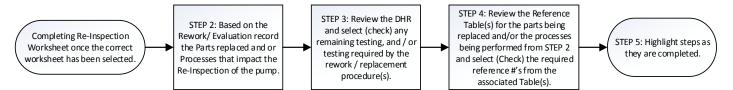
6.0 **CHOOSING THE CORRECT WORKSHEET**

6.1 Use the decision process below to determine the recommended Re-Inspection Worksheet as a baseline.



7.0 COMPLETING THE WORKSHEET (APPLIES TO ALL WORKSHEETS)

7.1 Use the process below to complete the Re-Inspection Worksheet.



NOTE: Worksheets may be printed out and inserted into the DHR independently from the instructions and reference charts of this document.

- 7.2 Please observe the following notes:
 - 7.2.1 The Preventive Maintenance Repair / Rework worksheet may only be used when **all** required parts and/or processes are identified as "Eligible for PM Repair".
 - 7.2.2 A Disassembly is only required if parts are being discarded. (Not applicable to serialized front case).
 - 7.2.3 B When requiring Switch Grease Inspection, only that portion of the TDM form is required.
 - 7.2.4 C ITP 35700-020-SVC only required if device is completing PM Repair process.
 - 7.2.5 If 24 (Case Closing) is required, 24a (Keyhole Installation) is also required.
 - 7.2.6 If 17 (Case Shimming) is required, 17a (Switch Testing) and 17b (Processor Board Installation) are also required.
 - 7.2.7 All devices must, at a minimum, be subject to either Flow Accuracy Verification (33V) or Flow Accuracy Calibration (33C) during Repair/Recertification. If both are to be required, only select 33C, as 33C will supersede 33V. This does not apply to PM Repair Devices.

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	CUSTOM LEVEL REPAIRS (DOESN'T REQUIRE MECH REMOVAL)													
Description	Part Number	Pump Subassembly	Level	Ad	lditional R	eferen	ce Nur	nber	s					
GLPT, Red Varnish	85244	Mechanism Component	Custom		24/24a	30	35		Eligible for PM Repair					
ESD Barrier	Applicable PN	Case Component	Custom	1 ^A	24/24a	30	35	Eligible for PM Repair						
Rear Case Labels	Applicable PN	Case Component	Custom	1 ^A	18				Eligible for PM Repair					
Serial Label	41345	Case Component	Custom	4				Elig	jible f	or PM F	lepair			
Front Case Labels	Applicable PN	Case Component	Custom	1 ^A	3				Eligil	ble for F	M Rep	air		
Rear Case Assembly	35701-CFG2	Case Component	nt Custom 1 ^A 18 22		22	24/2	4a	30	35	Eligible	e for F	PM R	epair	
Keyhole Assembly	35709-2	Case Component	Custom	1 ^A	24a	25	25 Eligible for PM Repair							
AC Power Adaptor	35727	Case Component	Custom	1 ^A	35	Eligible for PM Repair								
Pump Side Adaptor	35745	Case Component	Custom	1 ^A	24/24a	30	0 35 Eligible for PM Repair							
Keypad	55391	Case Component	Custom	1 ^A	2	22	24/24	a	30	35 Eligible for PM Repair				
O-Ring	41022	Case Component	Custom	1 ^A	24/24a	30	35			Eligibl	e for Pl	И Rep	oair	
Battery Gasket (Rear Case)	41041	Case Component	Custom	1 ^A				Elig	jible f	or PM F	lepair			
Spacer, Rear Case, Motor	42033	Case Component	Custom	1 ^A	24/24a	30	35			Eligibl	e for Pl	И Rep	oair	
Scanner Bracket, Window, Screws	45705 / 45728-1 / 95214	Case Component	Custom	1 ^A	24/24a	30	35			Eligibl	e for PI	И Rep	oair	
Door Cover	45713	Case Component	Custom	1 ^A				Elig	jible f	or PM F	epair			
Shielding, I/O Board	41084	PCB Component	Custom	1 ^A	17b	24	/24a	;	30	34	3	35		
Shielding, Processor Shielding	41085	PCB Component	Custom	1 ^A	24/24a	30	35			Eligibl	e for Pl	И Rep	oair	
Upstream Pusher	45707 / 50820-x	Mech Door Component	Custom	1 ^A	V8PS	17b	24/	24a	29	V8F	30	;	34	35
Downstream Pusher	45708	Mech Door Component	Custom	1 ^A	28	34								



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	LEVEL	1 REPAIRS (REQUIRES MECH	REMOVAL	OR RE	-PRESS	URING)					
Description	Part Number	Pump Subassembly	Level	Addition	onal Ref	erence Nu	ımbers				
Lower Aux	35148	Mechanism Component	Level 1	13	15	V8PS	29	33V			
Upper Aux	35704-2	Mechanism Component	Level 1	7	8	13	15	V8PS	25	29	33V
Upper Latch Pin / Lower Latch Pin	50707 / 50700	Mechanism Component	Level 1	<u>13</u>	<u>– 15</u>	V8PS	16	29	33C	33FRE	
Link	50812	Mechanism Component	Level 1	13	15	V8PS	29	33V			
Front Case Assembly	35708-1	Case Component	Level 1	3	4	15	V8PS	22	29	33V	
Display Gasket	41002	Case Component	Level 1	15	V8PS	29	33V				
Display Foam Strip	41010	Case Component	Level 1	15	V8PS	29	33V				
Label, Display Backing	41011	Case Component	Level 1	15	V8PS	29	33V				
Sealing Wall	45704	Case Component	Level 1	15	V8PS	29	33V				
Display	55074-2	Case Component	Level 1	15	V8PS	29	33V				
I/O Board	60091-CFG2	PCB Component	Level 1	15	16	V8PS	<u>20 – 22</u>	<u>25 – 27</u>	29	33C	33FRE
Finger Pressure Plate	45718	Mechanism Door Component	Level 1	16	33C	33FRE					
Valve Pressure Plate	45719	Mechanism Door Component	Level 1	16	33C	33FRE					
Mechanism Door	50815-X	Mechanism Door Component	Level 1	14	15	V8PS	16	29	33C	33FRE	
Hook	50816	Mechanism Door Component	Level 1	14	15	V8PS	16	29	33C	33FRE	
Finger Holder	50818	Mechanism Door Component	Level 1	16	33C	33FRE					
Valve Holder	50819	Mechanism Door Component	Level 1	16	33C	33FRE					
M2/M3 Springs	95514 / 95515	Mechanism Door Component	Level 1	16	33C	33FRE					
Processor Board	60087-1	PCB Component	Level 1	1 ^A	16	<u>20-22</u>	<u>25-27</u>	29	9	33C	33FRE

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LEVEL 2 REPAIRS (SENSOR REPLACEMENT/TUBING GUIDE ADJUSTMENT)										
Description Part Number Pump Subassembly Level Additional Reference Numbers									ce Numbers	
Force Sensor	35147	Mechanism Component	Level 2	11	13	27	33V			
Ultrasonic Sensor	35711-CFG2	Mechanism Component	Level 2	9	26	33V	/			
DS Tubing Guide	45712-1	Mechanism Component	Level 2	10	11	13	27	33V		

	LEVEL 3 REPAIRS (REQUIRES SMARTSCOPE)										
Description	Part Number	Pump Subassembly	Level		Α	dditional R	eference l	Numbers			
Motor	35076	Mechanism Component	Level 3	5	FTR						
Mechanism Sub-Assembly	35704-CFG2	Mechanism Component	Level 3	10	11	<u>25 – 27</u>	FTR				
Motor Sub-Assembly	35704-1	Mechanism Component	Level 3	5	FTR						
Valve Assembly	35715	Mechanism Component	Level 3	5							
Cam Shaft Assembly	35732	Mechanism Component	Level 3	5							
Fingers	45714-3	Mechanism Component	Level 3	5							
Pivot Pin	50702	Mechanism Component	Level 3	5							
Upper/Lower Bearing Mount	50803 / 50813-2	Mechanism Component	Level 3	5							
Gear	55077-2	Mechanism Component	Level 3	5							
Bearings	55139	Mechanism Component	Level 3	5							
Motor Teflon Tape	90062	Mechanism Component	Level 3	5							
Nylon CHEESEHEAD Motor Screws	95215	Mechanism Component	Level 3	5							
Pivot Pin Torsion Spring	95516	Mechanism Component	Level 3	5							

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TABLE D: PROCESSES															
Process (Bold words to be recorded on worksheet)		Wo	rksheet		Additional Reference Numbers										
PM Repair Process	1 ^A	12 20	24/24a	30		IT	P 357	700-02	20		35				
Standard Repair Process	1 ^A	12 2	22 – 2	<u>4a</u>	V8F	Т	30	31	33V	34	35				
Recertification Process SWI 037	1 ^A	12 2	22 24/	24a	V8F	Т	30	31	33V	34	35				
Level 1 Repair	1 ^A	17	17a 17b	23	24/24	4a	28	V8FT	30	31	34		;	35	
Level 2 Repair	1 ^A	12 1			17a 1	7b 23	3 24	1/24a	28	29	V8FT	30	31	34	35
Level 3 Repair	1 ^A	6 1	2 13 15 \	/8PS	16	17 1 ⁻	7a 1	7b 23	3 24/24	4a 28	29 V8F1	Г 30	31	33C 3	3FRE 34 35
Disassembly/Scrap		(Custom	1					E	Eligib	le for Pl				
Keypad Installation		(Custom	2		22	2	4/24a		30	35			e for P	M Repair
Front Case Labeling		(Custom	3							le for Pl		•		
Serial Number Labeling		(Custom	4					E	ligib	le for Pl	M Re	pair		
Motor/Cam Shaft/Pivot Pin Repair			Level 3	5											
Upper/Lower Bearing Mount loosened or Adjusted / SmartScope			Level 3												
Upper Aux Installation			Level 1	7		8		13	1	15	V8PS	25	;	29	33V
UV Glue Inspection (Upper Aux)			Level 1	8		13		15	V8	3PS	29	33\	V		
Ultrasonic Assembly/Ultrasonic Installation			Level 2	9		26		33V							
DS Tubing Guide Adjustment/Verification			Level 2	10)	11		13	2	27	33V				
Force Sensor Installation			Level 2	11		13		27	3	3V					
Mechanism Inspection ITP 35700-019-SVC			Custom	12		24/24a		30		35		Eligib	le fo	r PM R	epair
Link & Link Switch Adjustment/Verification			Level 1	13		15	V	/8PS	2	29	33V				
Switch Grease Inspection (New Aux / Mechanism Only)			Level 1	13	В	15	V	/8PS	2	29	33V				
Upper and/or Lower Latch Switch Adjustment		(Custom	17	а	17b	24	4/24a	3	30	34	35	5		
Verify/Adjust Hooks			Level 1	14	-	15		/8PS	1	16	29	330	2	33FRI	≣
Mech removed from Front Case/Mech Installation/IO Installation			Level 1	15		V8PS		29		33					
Upstream Pusher Setup SWI 036			Custom	V8F		17b		24/24a		29	V8FT		30	34	35
Verify / Adjust Pressure Plate Travel			Level 1	16		33C	33	3FRE							
Case Shimming			Level 1	33											
Processor Board Install Only			Custom		17b		24/24		30		34		3	5	
Processor Board Programming			Level 1	1	16	<u>20 -</u>	<u>- 22</u>	<u>25-27</u>	7 2	29	33C	33	FRE		

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Process (Bold words to be recorded on worksheet)	Worksheet				Δdd	itional	Refer	ence N	lumbers	
Switch Test	Custom	17a	171	24/		30	34	35		
Ultrasonic Sensor and/or Force Sensor Flex Disconnected	Custom	24/24a	30	34	35	30	34	33		
Rear Case Installation	Custom	18	22	24/24a	30	35			Eligible	for PM Repair
Rear Case Label Replacement	Custom	18	22	24/24a	30				Repai	
•					Appl	y ITP La		OI I IVI		
Rear Case Programming, ITP 35701-SVC	Custom	19	24/24a	30 35		M 102-			Eligible	e for PM Repair
Software Update, SWI 122	Custom	20				Elig	gible f	or PM	l Repai	
Thermistor Calibration per CTP 35700-003-SVC	Custom	21	24/24a	30	33V	34		35		
Initial Pump Settings per SWI 123	Custom	22				Eliç	gible f	or PM	Repai	
Cam Calibration per CTP 35700-004-SVC	Custom	23	24/24a	28	30	31		33V	34	35
Opening the Case Halves / Case Closing per SWI 124-CFG2	Custom	24/24a	30	35			Eli	igible f	or PM	Repair
Keyhole Installation per SWI 124-CFG2	Custom	24a	25			E	Eligib	le for F	PM Rep	oair
Color Sensor Calibration per CTP 35700-002-SVC	Custom	25				Eliç	gible f	or PM	l Repai	•
Optical Sensor Calibration per CTP 35711-002-SVC	Custom	26	ľ	TP 357	00-020 ^C			Eliç	gible fo	r PM Repair
Force Sensor NT Calibration per CTP 35147-001-SVC	Custom	27	28	34						
Force Sensor Scale Factor Calibration per CTP 35147-002-SVC	Custom	28	34							
Ultrasonic Calibration per CTP 35711-001-SVC-CFG2	Custom	29	V8FT	34						
Fluid Transition Test per ITP 35711-001-SVC	Custom	V8FT								
Operating Current (F461) per ITP 35700-011-SVC	Custom	30	35				Eligib	le for F	PM Re _l	oair
Cold Room Test per ITP 35700-007-SVC	Custom	31								
Flow Accuracy Calibration Test Run per CTP 35703-002-SVC	Custom	FTR								
Flow Accuracy Calibration per CTP 35703-002-SVC	Level 1	16	33C	33F	RE					
Flow Accuracy Verification per CTP 35703-002-SVC	Custom	33V								
Flow Rate Error per ITP 35703-002-SVC	Custom	33FRE								
Inspection Test Procedure, ITP 35700-SVC-CFG2	Custom	34								
AC Power Adapter Installation per SWI 040	Custom	35				Flic	nible f	or PM	Repai	•



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	Preventative Maintenance				
		ds not requ	uired if left	t blank)	
	Serial Number:			Ir	nitial / Date
Proces	ss(es) Performed from Table D:				
	val for Part or Process ot in Reference Table:			Engineering Init / Date or Nonconfo	ormance #
	Comments/Parts:			Engineering mit? Date of Northerine	manoc "
	Select Repair or Rework as applic Check only required testing in the				
	Repair			Rework	
Ref#	TDM Sheet Requ	iired?	Ref #	TDM Sheet Requ	uired?
1	Disassembly/Scrap		1	Disassembly/Scrap	
2	Keypad Installation		2	Keypad Installation	
3	Front Case Labeling		3	Front Case Labeling	
4	Serial Number Labeling		4	Serial Number Labeling	
12	Mechanism Inspection	Х	12	Mechanism Inspection	
18	Rear Case/Rear Label Replacement		18	Rear Case/Rear Label Replacement	
19	Rear Case Programming		19	Rear Case Programming	
20	Software Installation	Х	20	Software Installation	
22	Initial Pump Settings/Speaker Setting/IRDA Com		22	Initial Pump Settings/Speaker Setting/IRDA Com	
24	Case Closing	X	24	Case Closing	
24a	Keyhole Installation	X	24a	Keyhole Installation	
25	Color Sensor Calibration		25	Color Sensor Calibration	
26	Optical Sensor Calibration		26	Optical Sensor Calibration	
30	Operating Current, Battery Charger and Alarm Test	X	30	Operating Current, Battery Charger and Alarm Test	
	um Pump Preventive Maintenance (PM) ure ITP 35700-020	X		rum Pump Preventive Maintenance (PM) dure ITP 35700-020	
35	AC Power Adaptor Installation	X	35	AC Power Adaptor Installation	

TITLE:

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Repair Inspection Worksheet

t blank)	(Grey fields not required if left blank)	
Initial / Da		Serial Number:
		Process(es) Performed from Table D:
Engineering Initial/Date or Nonconformance		Approval for Part or Process not in Reference Table:
		Comments/Parts:

Ref #	TDM Sheet	Required?	Ref #	TDM Sheet F	Required?
1	Disassembly/Scrap		19	Rear Case Programming	
2	Keypad Installation		20	Software Installation	Х
3	Front Case Labeling		21	Thermistor Calibration	
4	Serial Number Labeling		22	Initial Pump Settings/Speaker Setting/IRDA Com	X
5	Motor, Cam Shaft, & Pivot Pin		23	Cam Calibration	X
6	Smartscope Measurement		24	Case Closing	X
7	Upper Aux Installation		24a	Keyhole Installation	X
8	UV Glue Cure Inspection		25	Color Sensor Calibration	
9	Ultrasonic Assembly		26	Optical Sensor Calibration	
10	Downstream Tubing Guide Assembly		27	Force Sensor No-Tube Calibration	
11	Force Sensor Installation		28	Force Sensor Calibration	
12	Mechanism Inspection	X	29	Ultrasonic Sensor Calibration	
13	Link-Lower Aux		V8FT	Ultrasonic Sensor Fluid Transition T	est X
14	Hook Setup and Adjustment		30	Operating Current, Battery Charger Alarm Test	and X
15	Mechanism and I/O Installation		31	Cold Room Test	X
V8PS	Upstream Pusher Setup		FTR	Flow Accuracy Calibration Test Run	
16	Mechanism Door Assembly-Travel Verification		33C	Flow Accuracy Calibration	
17	Case Shimming		33V	Flow Accuracy Verification	
17a	Switch Testing		33FRE	Flow Rate Error Over Time	
17b	Processor Board Installation		34	Final Inspection Test Procedure	Х
18	Rear Case/Rear Label Replacement		35	AC Power Adaptor Installation	Х



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Recertification Inspection Worksheet (Gray fields not required if left blank)

	(Grey fields not required in left blank)	
Serial Number:	Form Completed By:	Initial / Date
Process(es) Performed from Table D:		
Approval for Part or Process not in Reference Table:	Engin	eering Initial/Date or Nonconformance#
Comments/Parts:		

Ref#	TDM Sheet	Required?
1	Disassembly/Scrap	
2	Keypad Installation	
3	Front Case Labeling	
4	Serial Number Labeling	
5	Motor, Cam Shaft, & Pivot Pin	
6	Smartscope Measurement	
7	Upper Aux Installation	
8	UV Glue Cure Inspection	
9	Ultrasonic Assembly	
10	Downstream Tubing Guide Assembly	
11	Force Sensor Installation	
12	Mechanism Inspection	X
13	Link-Lower Aux	
14	Hook Setup and Adjustment	
15	Mechanism and I/O Installation	
V8PS	Upstream Pusher Setup	
16	Mechanism Door Assembly-Travel Verification	
17	Case Shimming	
17a	Switch Testing	
17b	Processor Board Installation	
18	Rear Case/Rear Label Replacement	

Ref #	TDM Sheet Requi	red?
19	Rear Case Programming	
20	Software Installation	X
21	Thermistor Calibration	
22	Initial Pump Settings/Speaker Setting/IRDA Com	Х
23	Cam Calibration	
24	Case Closing	X
24a	Keyhole Installation	X
25	Color Sensor Calibration	
26	Optical Sensor Calibration	
27	Force Sensor No-Tube Calibration	
28	Force Sensor Calibration	
29	Ultrasonic Sensor Calibration	
V8FT	Ultrasonic Sensor Fluid Transition Test	X
30	Operating Current, Battery Charger and Alarm Test	X
31	Cold Room Test	X
FTR	Flow Accuracy Calibration Test Run	
33C	Flow Accuracy Calibration	
33V	Flow Accuracy Verification	
33FRE	Flow Rate Error Over Time	
34	Final Inspection Test Procedure	X
35	AC Power Adaptor Installation	X



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<u>Custom Level</u> Re-Inspection Worksheet

Serial Number:	Form Completed By:	Initial / Date
Process(es) Performed from Table D:		
Approval for Part or Process not in Reference Table:	Engi	neering Initial/Date or Nonconformance#
Comments/Parts:		

Ref#	TDM Sheet	Required?
1	Disassembly/Scrap	
2	Keypad Installation	
3	Front Case Labeling	
4	Serial Number Labeling	
5	Motor, Cam Shaft, & Pivot Pin	
6	Smartscope Measurement	
7	Upper Aux Installation	
8	UV Glue Cure Inspection	
9	Ultrasonic Assembly	
10	Downstream Tubing Guide Assembly	
11	Force Sensor Installation	
12	Mechanism Inspection	
13	Link-Lower Aux Grease Inspection C	Only
14	Hook Setup and Adjustment	
15	Mechanism and I/O Installation	
V8PS	Upstream Pusher Setup	
16	Mechanism Door Assembly-Travel Verification	
17	Case Shimming	
17a	Switch Testing	
17b	Processor Board Installation	
18	Rear Case/Rear Label Replacement	

Ref #	TDM Sheet Re	equired?
19	Rear Case Programming	
20	Software Installation	
21	Thermistor Calibration	
22	Initial Pump Settings/Speaker Setting/IRDA Com	
23	Cam Calibration	
24	Case Closing	
24a	Keyhole Installation	
25	Color Sensor Calibration	
26	Optical Sensor Calibration	
27	Force Sensor No-Tube Calibration	
28	Force Sensor Calibration	
29	Ultrasonic Sensor Calibration	
V8FT	Ultrasonic Sensor Fluid Transition Tes	st 🗌
30	Operating Current, Battery Charger at Alarm Test	nd 🔲
31	Cold Room Test	
FTR	Flow Accuracy Calibration Test Run	
33C	Flow Accuracy Calibration	
33V	Flow Accuracy Verification	
33FRE	Flow Rate Error Over Time	
34	Final Inspection Test Procedure	
35	AC Power Adaptor Installation	

TITLE:

_	DIVISION OR FUNCTION:	DOCUMENT No.:	01143-CFG2-SVC	ISSUE DATE: SEE STAMP	
axter	Service	REVISION: J		EFFECTIVE DATE: SEE STAMP	
	OWNING GROUP: Service	DOCUMENT TYPE:	INF		
35700BAX2 Required Testing & Verification Reference Chart, Service PAGE 14 OF 16					

Level 1 Re-Inspection Worksheet (Required Case Assembly) (Grev fields not required if left blank)

	(Grey ficias flot required it left blaffit)	
Serial Number:	Form Completed By:	Initial / Date
Process(es) Performed from Table D:		
Approval for Part or Process not in Reference Table:	Engir	neering Initial/Date or Nonconformance #
Comments/Parts:		

Ref #	TDM Sheet F	Required?
1	Disassembly/Scrap	
2	Keypad Installation	
3	Front Case Labeling	
4	Serial Number Labeling	
5	Motor, Cam Shaft, & Pivot Pin	
6	Smartscope Measurement	
7	Upper Aux Installation	
8	UV Glue Cure Inspection	
9	Ultrasonic Assembly	
10	Downstream Tubing Guide Assembly	
11	Force Sensor Installation	
12	Mechanism Inspection	
13	Link-Lower Aux Grease Inspection C	Only
14	Hook Setup and Adjustment	
15	Mechanism and I/O Installation	
V8PS	Upstream Pusher Setup	
16	Mechanism Door Assembly-Travel Verification	
17	Case Shimming	Х
17a	Switch Testing	X
17b	Processor Board Installation	X
18	Rear Case/Rear Label Replacement	

Ref #	TDM Sheet Requi	red?
19	Rear Case Programming	
20	Software Installation	
21	Thermistor Calibration	
22	Initial Pump Settings/Speaker Setting/IRDA Com	
23	Cam Calibration	X
24	Case Closing	X
24a	Keyhole Installation	X
25	Color Sensor Calibration	
26	Optical Sensor Calibration	
27	Force Sensor No-Tube Calibration	
28	Force Sensor Calibration	Х
29	Ultrasonic Sensor Calibration	
V8FT	Ultrasonic Sensor Fluid Transition Test	X
30	Operating Current, Battery Charger and Alarm Test	X
31	Cold Room Test	X
FTR	Flow Accuracy Calibration Test Run	
33C	Flow Accuracy Calibration	
33V	Flow Accuracy Verification	
33FRE	Flow Rate Error Over Time	
34	Final Inspection Test Procedure	X
35	AC Power Adaptor Installation	X

TITLE:

_	DIVISION OR FUNCTION:	DOCUMENT No.:	01143-CFG2-SVC	ISSUE DATE: S	SEE STAMP
axter	Service	REVISION: J		EFFECTIVE DATE	: SEE STAMP
	OWNING GROUP: Service	DOCUMENT TYPE:	INF		
35700BAX2 Required Testing & Verification Reference Chart, Service Page 15 of 16					

<u>Level 2</u> Re-Inspection Worksheet (Sensors and Tubing Guide) (Grev fields not required if left blank)

Serial Number:	Form Completed By: Initial / Date
Process(es) Performed from Table D:	
Approval for Part or Process not in Reference Table:	Engineering Initial/Date or Nonconformance #
Comments/Parts:	

Ref#	TDM Sheet	Required?	Ref#	TDM Sheet Ro	equired?
1	Disassembly/Scrap		19	Rear Case Programming	
2	Keypad Installation		20	Software Installation	
3	Front Case Labeling		21	Thermistor Calibration	
4	Serial Number Labeling		22	Initial Pump Settings/Speaker Setting/IRDA Com	
5	Motor, Cam Shaft, & Pivot Pin		23	Cam Calibration	X
6	Smartscope Measurement		24	Case Closing	X
7	Upper Aux Installation		24a	Keyhole Installation	X
8	UV Glue Cure Inspection		25	Color Sensor Calibration	
9	Ultrasonic Assembly		26	Optical Sensor Calibration	
10	Downstream Tubing Guide Assembly		27	Force Sensor No-Tube Calibration	
11	Force Sensor Installation		28	Force Sensor Calibration	X
12	Mechanism Inspection	X	29	Ultrasonic Sensor Calibration	X
13	Link-Lower Aux Grease Inspection	Only	V8FT	Ultrasonic Sensor Fluid Transition Te	st X
14	Hook Setup and Adjustment		30	Operating Current, Battery Charger a Alarm Test	nd X
15	Mechanism and I/O Installation	X	31	Cold Room Test	X
V8PS	Upstream Pusher Setup	X	FTR	Flow Accuracy Calibration Test Run	
16	Mechanism Door Assembly-Travel Verification		33C	Flow Accuracy Calibration	
17	Case Shimming	X	33V	Flow Accuracy Verification	
17a	Switch Testing	X	33FRE	Flow Rate Error Over Time	
17b	Processor Board Installation	X	34	Final Inspection Test Procedure	X
18	Rear Case/Rear Label Replacement		35	AC Power Adaptor Installation	X

_	DIVISION OR FUNCTION:	DOCUMENT No.:	01143-CFG2-SVC	ISSUE DATE: S	EE STAMP
axter	Service	REVISION: J		EFFECTIVE DATE:	SEE STAMP
	OWNING GROUP: Service	DOCUMENT TYPE:	INF		
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Level 3 Re-Inspection Worksheet (Requires Smartscope) (Gray fields not required if left blank)

	(Grey fields not required it left blank)	
Serial Number:	Form Completed By:	Date
Process(es) Performed from Table D:		
Approval for Part or Process not in Reference Table:	Engineering Initial/Date or Nonconformanc	e #
Comments/Parts:		

	- · · · · · · · · · · · · · · · · · · ·	
Ref #	TDM Sheet	Required?
1	Disassembly/Scrap	
2	Keypad Installation	
3	Front Case Labeling	
4	Serial Number Labeling	
5	Motor, Cam Shaft, & Pivot Pin	
6	Smartscope Measurement	Χ
7	Upper Aux Installation	
8	UV Glue Cure Inspection	
9	Ultrasonic Assembly	
10	Downstream Tubing Guide Assembly	
11	Force Sensor Installation	
12	Mechanism Inspection	Х
13	Link-Lower Aux	Х
14	Hook Setup and Adjustment	
15	Mechanism and I/O Installation	X
V8PS	Upstream Pusher Setup	Х
16	Mechanism Door Assembly-Travel Verification	Х
17	Case Shimming	Х
17a	Switch Testing	Х
17b	Processor Board Installation	Х
18	Rear Case/Rear Label Replacement	

Ref #	TDM Sheet Re	equired?
19	Rear Case Programming	
20	Software Installation	
21	Thermistor Calibration	
22	Initial Pump Settings/Speaker Setting/IRDA Com	
23	Cam Calibration	X
24	Case Closing	X
24a	Keyhole Installation	X
25	Color Sensor Calibration	
26	Optical Sensor Calibration	
27	Force Sensor No-Tube Calibration	
28	Force Sensor Calibration	X
29	Ultrasonic Sensor Calibration	X
V8FT	Ultrasonic Sensor Fluid Transition Tea	st X
30	Operating Current, Battery Charger at Alarm Test	nd X
31	Cold Room Test	X
FTR	Flow Accuracy Calibration Test Run	
33C	Flow Accuracy Calibration	Х
33V	Flow Accuracy Verification	N/A
33FRE	Flow Rate Error Over Time	X
34	Final Inspection Test Procedure	X
35	AC Power Adaptor Installation	X



TcU ELECTRONIC SIGNATURE REPORT

REVISION INFORMATION					
Item ID: INF 01143-CFG2-SVC	Revision ID: J				
Item Name: 35700BAX2 Required Testing & Verification	Release Date: 08-May-2018				
Reference Chart, Service					

Description:

CHANGE INFORMATION

CN/CR Number (if applicable): PR 1425217

Description of Change (This field will be blank if required data is not available):

Split Case Closing into Case Closing and Keyhole Installation. Split Case Assembly into Case Shimming, Switch Testing, and Processor Board Installation. Update of tables and forms to reflect form splits.

Reason for Change (This field will be blank if required data is not available):

Support Version 7 Test Data Management Release.

APPROVALS & SIGNATURES for Document Release					
Name	Role	Workflow Step	Date of Signature	Decision Taken	
Rathinavelu, Barkhavi	Author	Initiate Review	07-May-2018	Approved	
Fuller, David	SME	Document Review - SME & Quality	07-May-2018	Approved	
Kroening, Lee	Quality	Document Review - SME & Quality	08-May-2018	Approved	
Albone, Tonya	Change Specialist 3	Release Document(s)	08-May-2018	Approved	
Woodroe, Kelly	Change Specialist 3	Set Effectivity	11-May-2018	Approved	

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TcU ELECTRONIC SIGNATURE REPORT

REVISION INFORMATION				
Item ID: INF 01143-CFG2-SVC	Revision ID: J			
Item Name: 35700BAX2 Required Testing & Verification	Release Date: 08-May-2018			
Reference Chart, Service				

Description:

CHANGE INFORMATION

CN/CR Number (if applicable): N/A

Description of Change (This field will be blank if required data is not available):

Update effectivity time from 00:00 to 00:05

Reason for Change (This field will be blank if required data is not available):

Revision was not set after Rev K therefore flag did not flip

APPROVALS & SIGNATURES for Minor Updates Release					
Name	Role	Workflow Step	Date of Signature	Decision Taken	
Becking, Alicia	Change Specialist 3	Submit Change	29-May-2018	Approved	
Livergood, Darcy	Group Administrator	Group Admin Review	29-May-2018	Approved	
Albone, Tonya	Change Specialist 3	Review Updates	29-May-2018	Approved	

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