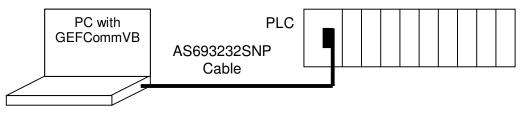
Instructions to extract the Fault Log from a GE 9030 PLC using GEFCommVB.

- 1. Power up the computer with GEFCommVB installed.
- Connect the communication cable (AS693232SNP) from the PC to the D15 connector on the front of the GE 9030 PLC Power Supply.

If the system has multiple racks, connect the cable to the top rack (next to the CPU Module). If it is necessary to use a converter at the PC end to convert from a USB port to a D9 pin port, make sure the port is set as COM1.



3. Start the GEFCommVB software. Verify the settings are as shown in the screen shot below. The Comm Setup must show the COM port that matches the communication cable.

SNP-X demo program provided	d by GE Fanuc Tech Support, v2.1 Aug 💶 🖂 🗙
Comm Setup COM1 • 19200 • Odd/1 •	-Data Transfer R1(10) Read
Hex Attach	Not Attached to PLC, Setup, then Enter 🔲 Continuous

4. Click the "Attach" button. The software will read the data from the PLC and display it on the screen. Expand the screen so that on the left hand column you can see from R10 to at least R120.

🖹 SNI	P-X de	mo prog	gram pi	rovided	by GE F	anuc	Tech Su	ipport, v	2.1 Au	g-00 _ □ ×
Comm	Setup —				Data Tran	sfer—				
Сом1	• 19	200 -	Odd/1	-	R1(10)					Read
🗌 Hex			Atta	ach	Run I/O er	abled,	520 bytes i	in 326 MS		ontinuous
R10	255	0	0	Θ	0	0	Θ	Θ	0	0
R20	0	Θ	0	-1	-1	0	0	0	0	0
R30	0	Θ	0	0	Θ	Θ	-1	0	0	0
R40	0	Θ	0	Θ	Θ	0	350	0	0	0
R50	0	Θ	0	0	Θ	0	0	0	0	0
R60	1	5	1	0	Θ	0	0	0	0	0
R70	200	250	300	10	30	50	300	5	25	1
R80	3	4	3	2	8	200	1536	20360	0	486
R90	5	250	15	15	350	2	-1	0	20	3
R100	32767	-1	400	300	15	5	1	10	300	3000
R110	0	0	-7582	3	15720	0	0	0	-7802	10
R120	0	Θ	0	Θ	Θ	0	-7802	15	32767	0
R130	0	-7587	50	15770	0	0	0	0	0	0

5. Change the value in the Data Transfer box to "R390" and click on the "Read" button. The data shown here is simulated, and does not represent real faults. If you cannot see from R400 to R500 then expand the screen and click on "Read" again.

SNI SNI	P-X dei	mo prog	ram pro	ovided	by GE F	anuc 1	ech Su	ipport, ^v	v2.1 Au.	🗆 X
Comm	Setup				Data Tran	sfer				
СОМ1	• 192	200 🗸	Odd/1	- [R390					Read
🗌 Hex			Atta	ch j	Run I/O er	nabled, 4	60 bytes i	n 291 MS	6 🗆 Co	ontinuous
R400	40	Θ	Θ	0	Θ	0	3	1	16	1
R410	0	1286	4389	1031	4389	776	6	521	-26653	272
R420	0	4134	4387	2324	1414	2068	514	1797	5192	1542
R430	0	5587	521	5136	1234	4966	243	4740	514	4373
R440	0	6682	522	6465	2342	6123	2445	5873	5192	5587
R450	0	3552	521	3838	4141	7562	134	7273	4100	6901
R460	0	0	0	0	0	2653	514	2982	1026	3235
R470	Θ	0	0	0	0	0	0	0	Θ	0
R480	0	0	0	0	0	0	0	0	Θ	0
R490	Θ	0	0	0	0	0	0	0	Θ	0
R500	0	0	0	Θ	0	0	0	0	Θ	0
R510	0	0	0	Θ	0	0	0	0	Θ	0
R520	A	A	A	A	A	A	A	A	A	0

6. Highlight the data for lines R400 to R500 and press Ctrl+C to copy it to the Clipboard.

SN	IP-X d	lemo prog	jram pr	ovided	by GE	Fanuc 1	Tech Su	ipport,	v2.1 Au.	🗆 X
Comm COM1	i Setup	19200 🔹	Odd/1	•	Data Trai R390	nsfer —			[Read
🗆 Hex	<		Atta	ch	, Run I/O ei	nabled, 4	60 bytes	in 291 M	6 🗆 Co	ontinuous
R400	40	0	0	0	0	0	3	1	16	1
R410	Θ	1286	4389	1031	4389	776	6	521	-26653	272
R420	Θ	4134	4387	2324	1414	2068	514	1797	5192	1542
R430	Θ	5587	521	5136	1234	4966	243	4740	514	4373
R440	Θ	6682	522	6465	2342	6123	2445	5873	5192	5587
R450	Θ	3552	521	3838	4141	7562	134	7273	4100	6901
R460	Θ	Θ	0	0	0	2653	514	2982	1026	3235
R470	Θ	Θ	0	Θ	Θ	0	0	0	0	Θ
R480	Θ	Θ	0	0	0	Θ	0	0	0	Θ
R490	Θ	Θ	0	Θ	Θ	0	0	0	Θ	Θ
R500	Θ	Θ	0	Θ	Θ	0	0	0	Θ	Θ
R510	0	0	0	0	0	0	0	Θ	0	0
R520	0	0	0	0	Θ	0	0	Θ	0	0
	-	-	-	-	-	-	-	-	-	-

7. Open an empty text document and paste the data from the clipboard into the document.

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<u>F</u> ile	<u>E</u> dit	F <u>o</u> rmat	<u>V</u> iew	<u>H</u> elp							
R400 R410 R420 R430 R440 R450 R460 R460 R470 R480 R500	40 0 0 0 0 0 0 0 0 0	0 1286 4134 5587 6682 3552 0 0 0 0 0 0	0 4389 4387 521 522 521 0 0 0 0 0	0 1031 2324 5136 6465 3838 0 0 0 0 0 0 0	0 4389 1414 1234 2342 4141 0 0 0 0 0 0	0 776 2068 4966 6123 7562 2653 0 0 0 0	3 6 514 243 2445 134 514 0 0 0 0 0	1 521 1797 4740 5873 7273 2982 0 0 0 0 0	16 -26653 5192 514 5192 4100 1026 0 0 0 0 0	1 272 1542 4373 5587 6901 3235 0 0 0 0	▲ ▶ ▶

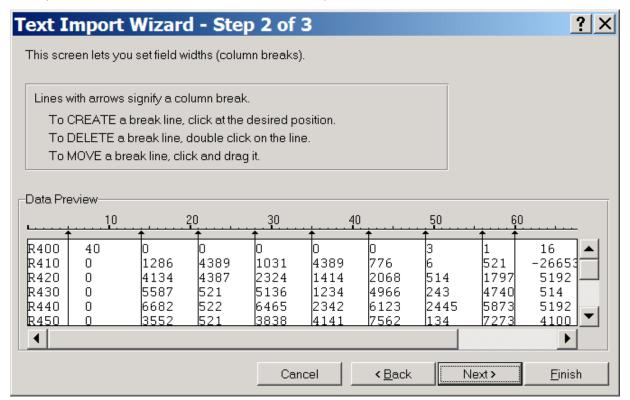
8. Save the file as something you can find and remember, such as "gefault.txt" in "My Documents". The name and location is not critical, but you must be able to find it in the next steps.

Save As					□ -
Save <u>i</u> n:	🕒 My Documents		•	G 🟚 🖻 🖽 🕇	
My Recent Documents Desktop My Documents My Computer My Network Places	 Adobe AlbumPlusCac cw Downloads Elevator Comp games My Music My Pictures My Received Fi My Videos Sales Symantec Zip gefault.txt 	anies			
	File <u>n</u> ame:	gefault.txt		•	<u>S</u> ave
	Save as type:	Text Documents (*.txt)		•	Cancel
	<u>E</u> ncoding:	ANSI		•	
					11.

Start Microsoft Excel and click File then Open. Select the file that was saved in the previous step. If you used a different file name or location, locate and open the file you saved in the previous step.
 A Wizard will start that allows you to import the file properly. In the first step, make sure "Fixed Width" is selected, and Start Import at Row is set to 1. Click on Next for the next screen.

Text Im	port	Wizard -	Step	1 of 3					? ×
		determined th se Next, or ch	-			escribes you	ır data.		
Original Dat		e that best des	cribes vo	ur data:					
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		Start Import a	at <u>R</u> ow:	1		File <u>O</u> rigin:	Wind	lows (ANS) 🔽
Pre∨iew of fi	ile C:\Do	ocuments and	Settings\	Chris Wilso	n\My Doc	:\gefault.txt.			
1 R400	40	0	0	0	0	0	3	1	16
2 R410 3 R420	0 0	1286 4134	4389 4387	1031 2324	4389 1414	776 2068	6 514	521 1797	-266
4 R430	ŏ	5587	521	5136	1234	4966	243	4740	514
5 R440	0	6682	522	6465	2342	6123	2445	5873	519_1
6 R450	0	3552	521	3838	4141	7562	134	7273	410
•									
				Cancel		< Back	Next	t>	<u>F</u> inish

10. In step 2 the columns should be set automatically as shown below.



11. Step 3 of the Text Import Wizard is not required, so click on "Finish". The imported data will be shown.

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1	R400	40	0	0	0	0	0	3	1	16	1	
2	R410	0	1286	4389	1031	4389	776	6	521	-26653	272	
3	R420	0	4134	4387	2324	1414	2068	514	1797	5192	1542	
4	R430	0	5587	521	5136	1234	4966	243	4740	514	4373	
5	R440	0	6682	522	6465	2342	6123	2445	5873	5192	5587	
6	R450	0	3552	521	3838	4141	7562	134	7273	4100	6901	
7	R460	0	0	0	0	0	2653	514	2982	1026	3235	
8	R470	0	0	0	0	0	0	0	0	0	0	
9	R480	0	0	0	0	0	0	0	0	0	0	
10	R490	0	0	0	0	0	0	0	0	0	0	
11	R500	0	0	0	0	0	0	0	0	0	0	
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12. Open the file FaultLog,xls from inside Excel by clicking on File / Open then selecting FaultLog.xls. Go back to gefault.txt, by clicking on Window / gefault.txt. Select the data by clicking and dragging from cell A1 to K11. Then press Ctrl+C to copy the data to the clipboard.

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3	R420	0	4134	4387	2324	1414	2068	514	1797	5192	1542	
4	R430	0	5587	521	5136	1234	4966	243	4740	514	4373	
5	R440	0	6682	522	6465	2342	6123	2445	5873	5192	5587	
6	R450	0	3552	521	3838	4141	7562	134	7273	4100	6901	
7	R460	0	0	0	0	0	2653	514	2982	1026	3235	
8	R470	0	0	0	0	0	0	0	0	0	0	
9	R480	0	0	0	0	0	0	0	0	0	0	
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13. Go to the FaultLog.xls file by clicking Windows then FaultLog.xls.

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A	B	С	D	E	F	G	Н	1	J	К	L _
1 GE	9030	FAULT C	ODE V	IEWER							
2 Rea	d the valu	ues from the	PLC usir	ng a Hand-l	Held Progr	ammer, Da	taPanel, oı	GEFCom	nVB		
3 The	n cut and	l paste or m	anually er	ter into th	e Blue Sec	tion below	<i>.</i>				
4 To F	Paste the	data, place	the curso	r on the Re	d Cell labe	elled R400	and Press	Ctrl+V (or	click on E	dit / Pas	te)
5	R400	R399	R398	R397	R396	R395	R394	R393	R392	R391	-
6 R400	0	0	0	0	0	0	0	0	0	0	R391
7 R410	0	0	0	0	0	0	0	0	0	0	R401
8 R420	0	0	0	0	0	0	0	0	0	0	R411
9 R430	0	0	0	0	0	0	0	0	0	0	R421
10 R440	0	0	0	0	0	0	0	0	0	0	R431
11 R450	0	0	0	0	0	0	0	0	0	0	R441
2 R460	0	0	0	0	0	0	0	0	0	0	R451
13 R470	0	0	0	0	0	0	0	0	0	0	R461
14 R480	0	0	0	0	0	0	0	0	0	0	R471
15 R490	0	0	0	0	0	0	0	0	0	0	R481
16 R500	U	0	U		0	0	0	0	0	0	R491
		uld not exte				Continue		()	in a sural slad		
18 Verif 19 Current Ti		in the Blue C 14 PM (This		when the Fa			. Default Is	the current t	ime and dat	e.	
20 Current Da		5/13/12 (This									
	J.					capitaleu)					
		It Data by c	licking on	the "Resu	lts" tab bel						
	A Results / C	Codes /				•					▶
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14. With the cursor on cell A6, copy the data from the clipboard. The data will fill the blue box.

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-				Data Window	/ Help							_ U ^
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	Α	В	С	D	E	F	G	Н	L	J	К	L 🔺
1		GE 9030	FAULT	CODE	VIEWEF	R						
2		Read the va	lues from th	he PLC us	ing a Hand	I-Held Prog	grammer, D	DataPanel,	or GEFCon	nmVB		
3		Then cut ar	nd paste or i	manually e	enter into t	he Blue Se	ection belo	w.				
4		To Paste th							s Ctrl+V (o	r click on E	dit / Pas	te)
5		R400	R399	R398	R397	R396	R395	R394	R393	R392	R391	,
6	R400	40	0	0	0	0	0	3	1	16	1	R391
7	R410	0	1286	4389	1031	4389	776	6	521	-26653	272	R401
8	R420	0	4134	4387	2324	1414	2068	514	1797	5192	1542	R411
9	R430	0	5587	521	5136	1234	4966	243	4740	514	4373	R421
10	R440	0	6682	522	6465	2342	6123	2445	5873	5192	5587	R431
11	R450	0	3552	521	3838	4141	7562	134	7273	4100	6901	R441
12	R460	0	0	0	0	0	2653	514	2982	1026	3235	R451
_	R470	0	0	0	0	0	0	0	0	0	0	R461
	R480	0		0	0		0		0	0	0	R471
-	R490	0	0	0	0	0	0		0	0	0	R481
16	R500	0	0	0	0	0	0	0	0	0	0	R491
17		The data sh	iould not ex	tend beyo	nd the blu	e box.						
18		Verify the Tim	e in the Blue	Cells. This i	s the Time t	he Fault Log	was Captu	red. Default i	s the current	t time and da	te.	
19	Curre	ent Time	3:16 PM (Th	his is the tim	ne when the	Fault Log wa	as captured)				
20	Curre	ent Date	5/13/12 (Th	his is the da	te when the	Fault Log wa	as captured)				
21		View the Fa	ult Data by	clicking o	n the "Res	ults" tab b	elow.					
22												
	4 	Data Results	/ Codes /					•				
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15. The data will be de-coded automatically, and the fault codes, times and status can be viewed by clicking on the "Results" tab at the bottom of the Excel window.

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	Α	В	С	D	E	F	G	н	1	J	K	L	М
1	Fault	Date	Time	Fault Code	Fault Description	Floor	Last Run	Last Direction	Running	Fast Speed	Floor to Floor	Door Contacts	Dr Close Lmt
2	1	5/13/12	12:52 PM	1	Running Shutdown - Car ran too long without passing a floor	3	Up	Up	Yes	Yes	Yes	ON	
3	2	5/13/12	12:10 PM	2	Start/Stop Sequence Fault - Running inputs did not match status	6	Down	Down	101	-	174	-	1.5
4	3	5/13/12	12:04 PM	3	Drive Reset Fault - Drive reset too frequently	5	Up	Down	2.00	Yes		-	
5	4	5/13/12	11:58 AM	4	Leveling Stuck - Car was stuck in leveling	5	Up	Down	-	Yes	-	-	-
;	5	5/13/12	11:52 AM	5	Emergency Power or Battery Lowering	0	Down	Down	-	-	-	-	-
,	6	5/13/12	11:52 AM	6	Door Open Fault - Doors failed to open properly	8	Down	Up	347	-	14	ON	141
3	7	5/13/12	11:46 AM	7	Door Close Fault - Doors failed to close properly	2	Down	Down	621	12	Yes	-	12
	8	5/12/12	1:16 PM	8	Door Contact Tripped while the car was running	6	Down	Down	Yes	Yes	-	ON	-
0	9	5/12/12	1:16 PM	9	Door Zone Fault - Car stopped outside the Door Zone	3	Up	Down	1	Yes		-	
1	10	5/11/12	3:04 PM	16	Communication Fault on Duplex or Group	0	Down	Down	-	-	-	-	-
2	11	5/11/12	1:22 PM	17	Drive On Input went Off while car was running	2	Down	Down	2.01	-	Yes	-	-
3	12	5/11/12	12:28 AM	18	Leveling Sw Fault - Both Leveling Sws were on at the same time	19	Up	Up	Yes	-	-	-	-
1	13	5/10/12	9:28 PM	19	Earthquake Operation initiated	18	Down	Up	Yes	-	-	ON	-
5	14	5/10/12	12:52 PM	20	High Speed Counter Failure	9	Down	Down	-		Yes	-	14
6	15	5/10/12	8:22 AM	21	Fire Service Initiated	0	Down	Down	82	2	12	-	12
7	16	5/10/12	8:22 AM	21	Fire Service Initiated	8	Down	Up	1	-	H	ON	-
B	17	5/9/12	11:22 AM	22	Machine Room Smoke Sensor tripped	13	Down	Down	Yes	Yes		-	ON
9	18	5/9/12	10:46 AM	23	Runaway Fault. Brake Micro or Overspeed when stopped.	6	Up	Down	2.00	Yes	-	-	ON
)	19	5/8/12	5:46 PM	25	Oil Viscosity (Hydro Only)	10	Down	Down	-	-	Yes	-	
1	20	5/8/12	1:52 PM	26	Rope Brake Check Failed	0	Down	Down	-	-	-	-	-
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16. To print the fault log, click on Print Preview, and make sure the layout is formatted the way you want (especially the number of pages the information is to be printed on, which determines the size of the printout). Change any settings by clicking on the Setup button.

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	vi	iginia con					5	5	2	_	Ξ	윉	e e	vel			3/13/2012	
	Fault	Date	Time	Code		Floor	Last F	- Last Direction	Bunnl	C Fast Speed	Floor	Door Contai	ă Ĕ Ĕ	- Lmt Up Le	Down Level	Door		
	1 2 3	5/13/12	12:52 PM 12:10 PM 12:04 PM	1 2 3	Running Shutdown - Car ran too long without passing a floor Start/Stop Sequence Fault - Running inputs did not match status Drive Reset Fault - Drive reset too frequently	3 6 5	Up Down Up	Up Down Down	Yes - -	Yes - Yes	Yes - -	-	- 0	4 - 4 -	-	UN - -		
	4	5/13/12	11:58 AM 11:52 AM	4	Leveling Stuck - Car was stuck in leveling Emergency Power or Battery Lowering	5	Up Down	Down Down	2	Yes -	2	-	- 0	- k -	-	-		
	6 7 8		11:52 AM 11:46 AM 1:16 PM	Б 7 8	Door Open Fault - Doors failed to open properly Door Close Fault - Doors failed to dose properly Door Contact Tripped while the car was running	8 2 6	Down Down Down	Up Down Down	- Yes	- Yes	Yes -			- 1	-	-		
	9 10	5/12/12 5/11/12	1:16 PM 3:04 PM	9 16	Door Zone Fault - Car stopped outside the Door Zone Communication Fault on Duplex or Group	3	Up Down	Down Down	-	Yes -	_	-	- 0	4 - -	-	-		
	11 12 13	5/11/12 5/11/12 5/10/12	1:22 PM 12:28 AM 9:28 PM	17 18 19	Drive On Input went Off while car was running Leveling Sw Fault - Both Leveling Sws were on at the same time Earthquake Operation initiated	2 19 18	Down Up Down	Down Up Ub	- Yes Yes	-	Yes - -			-	-	-		
	14 15	5/10/12 5/10/12	12:52 PM 8:22 AM	20 21	High Speed Counter Failure Fire Service Initiated	9	Down Down	Down Down	-	1	Yes -	-			2	2		
	16 17 18			21 22 23	Fire Service Initiated Machine Room Smoke Sensor tripped Runaway Fault: Brake Micro or Overspeed when stopped.	8 13 6	Down Down Ub	Up Down Down	Yes -	- Yes Yes	-	- -	ON · ON ·	- N -	-	-		
	19 20	5/8/12 5/8/12	5:46 PM 1:52 PM	25	Cil Viscosity (Hydro Only) Rope Brake Check Failed	10 0	Down Down	Down Down	2	-	Yes -	2			2	2		
	21	5/8/12 5/7/12	11:46 AM 9:46 PM	38 38	Rope Brake Check Failed Redundancy - Nonrunning relay failed	6	Down Down	Down Down	- Yes	2	2	-	- 0	vi – . –	-	-		

17. When closing the FaultLog.xls it is recommended that if you want to save the data, then change the filename using Save As. You could use FaultLog_date.xls where date is replaced by the date of the fault log. (e.g. FaultLog_2012_05_16.xls).