

	A	B	C
1	Part Name:	TRIGGER BLANK	
2	Drawing Num:	301462	
3	TLW Number:	241460	
4	Revision Level:		
5	Vendor:	GENESIS PLASTIC SOLUTIONS	
6	Requisition #:		
7	Material:		
8	Hardness:		
9	Metallurgist:		
10	Engineer:	JIM RONKAINEN	
11	Inspected by:	RONKAINEN	
12	Date:	6/6/2007	
13	Reviewed by:	JR	
14	Date:	6/7/2007	
15			
16			
17			
18			
19	<u>identifier</u>	<u>feature description</u>	<u>DIM</u>
20	A	Spring Boss OD	0.1680
21	B	DISTANCE to Screw Hole Axis	0.3900
22	C	ANGLE	35.000
23	D	DISTANCE	0.025
24	B	DISTANCE to Screw Hole Axis recheck	0.3900
25	E	Diameter at top of spring seat	0.1450
26	E	Bonus Positional Tolerance	
27	B	Positional Tol to Screw Hole Axis	0.0030
28	F	DISTANCE	0.005
29	G	DISTANCE	0.105
30	H	ID	0.136
31	H	ID	0.136
32	I	ANGLE	30.000
33			
34			
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	D	E	F	G
1				
2	NOTE- Dimension identifiers will be provided on the prints supplied by engineering & the CAD group.			
3				
4	INSTRUCTIONS:			
5	1. STAMP ALL PARTS WITH AN I.D. NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.			
6	2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.			
7	3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE. (OPTIONAL)			
8	4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBLE) AND DRAWING WITH IDENTIFIERS.			
9				
10	INSPECTOR NOTES: Measurement of spring seat angle (feature I) can't be done directly and is difficult to calculate accurately when the accuracy associated with the measurements is considered. The angle is no			
11	all parts - parts are OK to use as is.			
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16				
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18				
19	<u>plus</u>	<u>minus</u>	<u>1</u>	<u>2</u>
20	0.003	0.003	0.1696	0.1692
21	0.003	0.003	0.3948	0.3920
22	2.7000	2.7000	34.8241	35.3032
23	0.0040	0.0040	0.0263	0.0261
24			0.3924	0.3909
25	0.0050	0.0050	0.1404	0.1410
26			0.0004	0.0010
27	0.0000	0.0030	IN	IN
28	0.005	0.005	0.006	0.005
29	0.005	0.005	0.106	0.110
30	0.0030	0.0030	.135+	.135+
31	0.0030	0.0030	0.1352	0.1352
32	2.5000	2.5000	CNM	CNM
33				
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	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
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10	critical to function and is probably in specification on															
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19	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
20	0.1692	0.1696	0.1705	0.1698	0.1694	0.1698	0.1692	0.1691	0.1693	0.1691	0.1685	0.1694	0.1691	0.1689	0.1696	0.1704
21	0.3905	0.3916	0.3931	0.3904	0.3904	0.3927	0.3913	0.3917	0.3909	0.3912	0.3935	0.3924	0.3906	0.3916	0.3931	0.3936
22	35.3221	34.8338	35.2150	34.9622	34.9645	34.5488	35.0414	35.0916	35.3388	35.0430	35.1963	34.8982	34.7281	34.9422	35.2558	34.8009
23	0.0261	0.0260	0.0253	0.0259	0.0268	0.0229	0.0273	0.0269	0.0269	0.0262	0.0275	0.0255	0.0263	0.0245	0.0272	0.0262
24	0.3925	0.3910	0.3915	0.3904	0.3893	0.3948	0.3909	0.3907	0.3905	0.3911	0.3913	0.3941	0.3908	0.3911	0.3941	0.3941
25	0.1415	0.1413	0.1414	0.1410	0.1409	0.1412	0.1410	0.1416	0.1409	0.1412	0.1409	0.1412	0.1407	0.1423	0.1408	0.1413
26	0.0015	0.0013	0.0014	0.0010	0.0009	0.0012	0.0010	0.0016	0.0009	0.0012	0.0009	0.0012	0.0007	0.0023	0.0008	0.0013
27	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
28	0.005	0.004	0.004	0.003	0.005	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.006	0.005	0.005
29	0.105	0.107	0.108	0.106	0.106	0.110	0.106	0.108	0.109	0.109	0.111	0.109	0.108	0.109	0.109	0.108
30	.134+	.134+	.134+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+	.135+
31	0.1342	0.1342	0.1342	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352	0.1352
32	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM	CNM
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	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
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19	19	20	AVG	STDEV	Method					
20	0.1696	0.1696	0.1694	0.0005	MIC					
21	0.3917	0.3905	0.3919	0.0013	MV					
22	35.0386	34.8701	35.0109	0.2153	MV					
23	0.0273	0.0266	0.0262	0.0011	MV					
24	0.3919	0.3927	0.3918	0.0015	MV					
25	0.1404	0.1409	0.1411	0.0004	MV					
26	0.0004	0.0009	0.0011	0.0004	MV					
27	IN	IN								
28	0.005	0.004	0.005	0.0008	Dial & Fixt					
29	0.107	0.104	0.108	0.0018	Dial & Fixt					
30	.135+	.135+								
31	0.1352	0.1352	0.1351	0.0004	PIN					
32	CNM	CNM	#DIV/0!	#DIV/0!	Calculated					
33										
34		0.1686								
35										
36		0.0025								
37		0.3931								
38		0.0004								
39		0.3923								
40		0.0014								

Cell: R20

Comment: Jim Ronkainen:

weld grape made dimension 0.1753 on first measurement

Cell: R21

Comment: Jim Ronkainen:

dimension affected by weld grape noted above - part is OK on re-measure

Cell: R29

Comment: Jim Ronkainen:

Part is OK to use as-is - dimensional discrepancy will only affect the maximum achievable trigger pull force. Any unusual behavior of the trigger assembly will be noted.

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8	View with Adobe Acrobat to properly show highlighting.