	A	B	C	D
1	Part Name:	TRIGGER BLANK		
2	Drawing Num:	301462		NOTE- Dimension identifiers will be provided on the prints supplied by engineering & the CAD group.
3	TLW Number:	241460		
4	Revision Level:			INSTRUCTIONS:
5	Vendor:	GENESIS PLASTIC SOLUTIONS		1. STAMP ALL PARTS WITH AN I.D, NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.
6	Requisition #:			2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.
7	Material:	MIM 4140		3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE. (OPTIONAL)
8	Hardness:			4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBL
9	Metallurgist:			
10	Engineer:	JIM RONKAINEN		INSPECTOR NOTES: Measurement of spring seat angle (feature I) can't be done directly and is difficult to calcula
11	Inspected by:	RONKAINEN		critical to function - parts are OK to use as is.
12	Date:	1/2/2007		
13	Reviewed by:	JR		
14	Date:			
15				
16				
17				
18				
19	**identifier**	**feature description**	**DIM**	**plus**
20	A	Spring Boss OD	**0.1680**	0.003
21	B	DISTANCE to Screw Hole Axis	**0.3900**	0.003
22	C	ANGLE	**35.000**	2.7000
23	D	DISTANCE	**0.025**	0.0040
24		Angle to Top of Screw Boss	**125.000**	2.7750
25		Perpendicularity Check	**90.000**	
26	B	DISTANCE to Screw Hole Axis recheck	**0.3900**	0.003
27	E	Diameter at top of spring seat	**0.1450**	0.0050
28	E	Bonus Positional Tolerance		
29		Eccentricity from E to Screw Hole Axis		
30	B	Positional Tol to Screw Hole Axis	**0.0030**	0.0000
31	F	DISTANCE	**-0.005**	0.0050
32	G	DISTANCE	**0.105**	0.0050
33	H	ID	**0.136**	0.0030
34	I	ANGLE	**30.000**	10.0000
35		Diameter at bottom of spring seat		
36		Eccentricity from bottom to top of spring seat		
37		Depth of spring seat from top face	**-0.0300**	0.0050
38		5-40 UNC Thread		
39				
40		**OHL**	= over high limit	
41		**ULL**	= under low limit	
42				
43				
44				
45				
46				

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1														
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8	LE) AND DRAWING WITH IDENTIFIERS.													
9														
10	ate accurately when the accuracy associated with the measurements is considered. The angle is not													
11														
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19	**minus**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
20	0.003	0.1674	0.1683	0.1677	0.1681	0.1674	0.1675	0.1684	0.1675	0.1683	0.1673	0.1673	0.1671	0.1666
21	0.003	0.3886	0.3906	0.3914	0.3915	0.3887	0.3918	0.3916	**0.3867**	0.3910	0.3918	**0.3933**	0.3912	0.3929
22	2.7000	34.5452	35.9521	34.5781	34.4620	34.5625	35.1033	34.3673	32.8213	36.0782	34.9680	34.4608	35.3285	35.0991
23	0.0040	0.0275	0.0228	0.0233	0.0226	0.0265	0.0258	0.0237	0.0266	0.0260	0.0242	0.0230	0.0246	0.0213
24	2.7750	125.1132	126.1303	124.4741	124.5243	124.7203	124.9642	124.4745	124.8529	124.9173	124.9311	124.4554	124.8976	124.2956
25		90.5680	90.1781	89.8961	90.0623	90.1578	89.8609	90.1072	92.0315	88.8391	89.9631	89.9947	89.5691	89.1965
26	0.003	0.3878	0.3913	0.3913	0.3894	0.3891	0.3914	0.3910	0.3891	0.3891	0.3909	0.3926	0.3893	0.3900
27	0.0050	0.1470	0.1463	0.1466	0.1465	0.1464	0.1467	0.1468	0.1465	0.1461	0.1465	0.1467	0.1464	0.1467
28		0.0070	0.0063	0.0066	0.0065	0.0064	0.0067	0.0068	0.0065	0.0061	0.0065	0.0067	0.0064	0.0067
29		0.0012	0.0016	0.0010	0.0019	0.0018	0.0015	0.0030	0.0007	0.0002	0.0010	0.0042	0.0008	0.0008
30	0.0030	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
31	0.0050	-0.0006	-0.0062	-0.0049	-0.0059	-0.0021	-0.0030	-0.0051	-0.0026	-0.0023	-0.0046	-0.0059	-0.0037	-0.0077
32	0.0050	0.1088	0.1062	0.1062	0.1071	0.1066	0.1063	0.1063	0.1054	0.1063	0.1066	0.1055	0.1059	0.1059
33	0.0030	0.1342	0.1342	0.1342	0.1342	0.1342	0.1342	0.1342	0.1338	0.1342	0.1342	0.1342	0.1342	0.1342
34	10.0000	37.3155	33.7426	34.7127	32.6363	32.8529	36.3482	36.0514	36.6341	31.3340	34.5473	35.1119	36.3405	34.8877
35		0.1280	0.1287	0.1290	0.1298	0.1296	0.1278	0.1280	0.1272	0.1302	0.1285	0.1284	0.1279	0.1285
36		0.0012	0.0010	0.0016	0.0013	0.0014	0.0006	0.0009	0.0011	0.0015	0.0010	0.0008	0.0007	0.0014
37	0.0050	-0.0281	-0.0290	-0.0282	-0.0285	-0.0286	-0.0287	-0.0288	-0.0292	-0.0283	-0.0288	-0.0289	-0.0283	-0.0290
38		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
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19	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**AVG**
20	0.1666	0.1682	0.1674	0.1673	0.1668	0.1673	0.1681	0.1685	0.1675	0.1681	0.1681	0.1680	0.1673	0.1676
21	0.3923	0.3900	0.3878	0.3896	0.3925	0.3925	0.3879	0.3901	**0.3839**	0.3898	**0.3962**	0.3924	0.3900	0.3906
22	34.8972	35.0948	32.7625	34.2936	35.4086	36.0564	34.3273	34.9934	32.7821	34.2060	36.1133	35.4467	36.0467	34.7983
23	0.0262	0.0218	0.0242	0.0217	0.0247	0.0244	0.0225	0.0216	0.0258	0.0267	0.0249	0.0244	0.0252	0.0243
24	124.8849	124.0291	124.5488	124.1088	124.8186	124.9962	124.6482	124.7651	124.9889	124.9019	124.5387	124.5258	125.1016	124.7541
25	89.9877	88.9343	91.7863	89.8153	89.4100	88.9398	90.3209	89.7716	92.2068	90.6960	88.4253	89.0791	89.0549	89.9559
26	0.3910	0.3890	0.3890	0.3900	0.3904	0.3906	0.3877	0.3878	0.3893	0.3905	**0.3934**	0.3899	0.3882	0.3900
27	0.1465	0.1463	0.1464	0.1465	0.1468	0.1470	0.1472	0.1464	0.1467	0.1463	0.1461	0.1462	0.1466	0.1465
28	0.0065	0.0063	0.0064	0.0065	0.0068	0.0070	0.0072	0.0064	0.0067	0.0063	0.0061	0.0062	0.0066	0.0065
29	0.0017	0.0027	0.0013	0.0003	0.0020	0.0022	0.0014	0.0016	0.0020	0.0020	0.0046	0.0017	0.0012	0.0017
30	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	
31	-0.0026	-0.0076	-0.0050	-0.0064	-0.0041	-0.0039	-0.0061	-0.0067	-0.0034	-0.0023	-0.0036	-0.0033	-0.0035	-0.0043
32	0.1052	0.1059	0.1051	0.1061	0.1066	0.1067	0.1067	0.1073	0.1058	0.1062	0.1058	0.1054	0.1014	0.1060
33	0.1342	0.1342	0.1342	0.1342	0.1342	0.1338	0.1342	0.1342	0.1342	0.1342	0.1342	0.1342	0.1342	0.1342
34	32.4930	33.5454	34.4142	34.3678	35.1636	37.3790	33.6822	32.4194	33.1785	33.3767	33.2250	33.7391	34.5011	34.3846
35	0.1297	0.1286	0.1284	0.1292	0.1286	0.1278	0.1299	0.1300	0.1293	0.1289	0.1291	0.1293	0.1288	0.1288
36	0.0015	0.0006	0.0007	0.0014	0.0014	0.0014	0.0017	0.0003	0.0003	0.0007	0.0011	0.0015	0.0022	0.0011
37	-0.0289	-0.0293	-0.0291	-0.0280	-0.0288	-0.0283	-0.0285	-0.0283	-0.0292	-0.0289	-0.0285	-0.0278	-0.0287	-0.0286
38	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	
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19	**STDEV**	**Method**					
20	0.0006	MIC					
21	0.0025	MV					
22	0.9391	MV					
23	0.0018	MV					
24	0.4037	MV					
25	0.9443	MV					
26	0.0014	MV					
27	0.0003	MV					
28	0.0003	MV					
29	0.0010	MV					
30		Calculated					
31	0.0019	MV					
32	0.0008	MV					
33	0.0001	Gage Pin					
34	1.6149	Calculated					
35	0.0008	MV					
36	0.0004	MV					
37	0.0004	MV					
38		screw					
39							
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Cell: M21
Comment: Administrator:
part checks OK on recheck (see below). OK to use.

Cell: P21
Comment: Administrator:
part checks OK on recheck (see below). OK to use.

Cell: AA21
Comment: Administrator:
part checks OK on recheck (see below). OK to use.

Cell: AC21
Comment: Jim Ronkainen:
see comment on recheck below - OK to use

Cell: AC26
Comment: Jim Ronkainen:
Part checks at 0.0004 over high limit (near the resolution of the machine). Use part as-is and note any unusual operational issues.

	A
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5	301462 - Trigger - Blank NR markup for inspection.pdf
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8	View with Adobe Acrobat to properly show highlighting.