



Verification Report

No.: GZ1001008288/CHEM

Date: FEB 10, 2010

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SHENZHEN SVAVO BATHROOM PRODUCTS CO., LTD
NO.4 FACTORY, XINWU VILLAGE, SHABO, PINGSHAN STREET, LONGGANG DISTRICT, SHENZHEN

Sample Description : Auto perfume dispenser
SGS Ref No. : SZ12362954
Test Model No. : V-850
Verification Period : JAN 25, 2010 TO FEB 10, 2010

Verification Requested : With reference to RoHS Directive 2002/95/EC, and its amendment directives

Verification Method

1. Review was performed for the samples disjointed from the submitted articles and the related test reports submitted by the Applicant
2. Tests was performed for the samples indicated by the photos in the report with test methods reference to IEC 62321:2008: Procedures for the Determination of Levels of Six Regulated substances in Electrotechnical Products
 - (1) Screening by XRF Spectroscopy
 - (2) Wet Chemical Test Method
 - a. Determination of Hexavalent Chromium by Colorimetric Method.
 - b. Determination of PBBs and PBDEs by GC/MS.

Verification Results : Please refer to next page

Verification Conclusion : Based on the review of previous reports and verification results of the submitted samples, the results **comply with** the RoHS Directive 2002/95/EC and its subsequent amendments.

Remark : According to the declaration from the applicant, Model V-850 has other names as V-860, V-870, V-250, V-840, V-140 which meet different requirements of applicant's buyers.

Signed for and on behalf of
SGS-CSTC Ltd.

Shining Deng
Sr. Engineer

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Details on Verification

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified.

Part No.	Part Name	Restricted Substances	Results of EDXRF ⁽¹⁾	No. of Related Test Report	Results in Related Test Report(mg/kg)	Result of Wet Chemical Testing ⁽²⁾ (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
1	White plastic shell	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
2	Blue transparent plastic sheet (on No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
3	Black plastic (wire insulation) (in No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
4	Silvery metal sheet (connected w/ No.3)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
5	Silvery metal spring (on No.4)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
6	Silvery metal screw (on No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
7	Green "PCB" (in No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	

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8	Silvery metal screw (small) (on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
9	Black body w/ brown printing (U1 on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	IN		\	N.D.	Comply	
		PBDEs	---		\	N.D.	Comply	
10	Silvery metal screw (big) (on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
11	Silvery metal (solder on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
12	White plastic part (on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	---		\	\	Comply	
13	Black body (Q1 on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	IN		\	N.D.	Comply	
		PBDEs	---		\	N.D.	Comply	
14	Red plastic (wire insulation) (connected w/ No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	Comply	
		PBDEs	---		\	\	Comply	

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15	Silvery metal shell (SW3 on No.7)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
16	Black plastic w/ white printing (outer shell) (C1 on No.3)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	---		\	\	Comply	
17	Black plastic button (in No.15)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	---		\	\	Comply	
18	Black surfaced metal spring (in No.17)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
19	Orange plastic board (in No.15)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	---		\	\	Comply	
20	Silvery metal shell (in No.15)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
21	Silvery metal pin (in No.15)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	

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22	Silvery metal bead (in No.17)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
23	Silvery metal sheet (in No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
24	Silvery metal screw (short) (on No.23)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
25	Silvery metal screw (long) (on No.23)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
26-C	Silvery metal shaft (on No.23)	Cd	BL	\	\	\	Comply	Jan 25, 2010/ Feb 08, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
27	White plastic gear (on No.26)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	BL		\	\	Comply	
28	White plastic part (on No.23)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	BL		\	\	Comply	

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29	Black surfaced metal clamp (on No.28)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
30	Silvery metal (motor shell) (in No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
31	Silvery metal shaft (in No.30)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
32	Beige plastic shell (on No.30)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	Comply	
		PBDEs	BL		\	\	Comply	
33	Silvery metal pin (on No.32)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
34	Silvery metal (solder on No.33)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
35	Silvery metal sheet (in No.32)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	

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36	Silvery metal part (in No.32)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
37	Copper-colored metal ring (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
38	Silvery metal (silicon steel sheet) (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	IN		\	Negative	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	
39	White plastic sheet (on No.38)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	BL		\	\	Comply	
40	Black material ring w/ silvery surface (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	BL		\	\	Comply	
41	Black plastic ring (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs	BL		\	\	Comply	
42	Silvery metal sheet (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs	---		\	\	\	

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Verification Report

No.: GZ1001008288/CHEM

Date: FEB 10, 2010

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Part No.	Part Name	Restricted Substances	Results of EDXRF ⁽¹⁾	No. of Related Test Report	Results in Related Test Report(mg/kg)	Result of Wet Chemical Testing ⁽²⁾ (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
43	White plastic ring (on No.31)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
44	Beige plastic part (on No.40)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
45	Silvery metal (solder on No.40)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
46	White plastic part (in No.1)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
47	Silvery metal screw (on No.46)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
48	Black plastic w/ white printing (heat shrinkable tube) (on No.14)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
49	Silvery metal shell (on No.46)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	

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Part No.	Part Name	Restricted Substances	Results of EDXRF ⁽¹⁾	No. of Related Test Report	Results in Related Test Report(mg/kg)	Result of Wet Chemical Testing ⁽²⁾ (mg/kg)	Conclusion on RoHS	Sample Submitted / Resubmitted Date
50	Black plastic shell (in No.49)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
51	Copper-colored metal piece (in No.50)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	
52	Black plastic part (in No.50)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	BL		\	\	Comply	
		PBDEs			\	\	Comply	
53	Silvery metal pin (in No.50)	Cd	BL	\	\	\	Comply	Jan 25, 2010
		Pb	BL		\	\	Comply	
		Hg	BL		\	\	Comply	
		Cr ⁶⁺	BL		\	\	Comply	
		PBBs	---		\	\	\	
		PBDEs			\	\	\	

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Remark

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.
- (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for CrVI) and GCMSD (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321:2008 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	---	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

- (c) OL = Over Limit, BL = Below Limit, IN = Inconclusive, LOD = Limit of Detection
- (d) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition

- (2) (a) mg/kg = ppm=0.0001%, N.D. = not detected (<MDL), --- = not conducted, \ = not available.
- (b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg
Units	mg/kg	mg/kg	mg/kg
MDL	2	2	2

The MDL for single compound of PBBs & PBDEs is 5 mg/kg and MDL of Cr⁶⁺ for polymer & composite sample is 2 mg/kg.

- (c) According to IEC 62321:2008, result on Cr⁶⁺ for metal sample is shown as Positive/Negative. Negative = Absence of Cr⁶⁺ coating, Positive = Presence of Cr⁶⁺ coating.
Storage conditions and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

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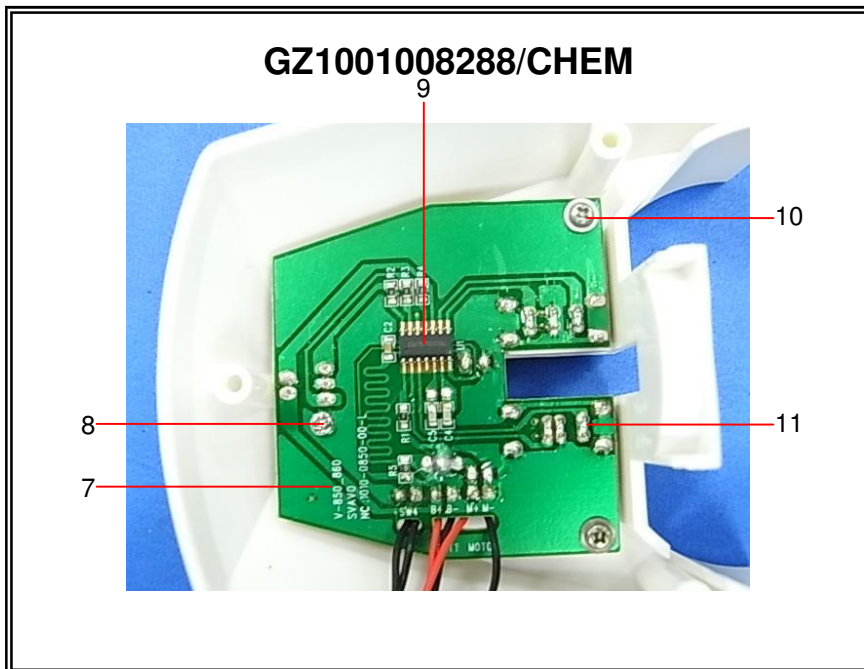
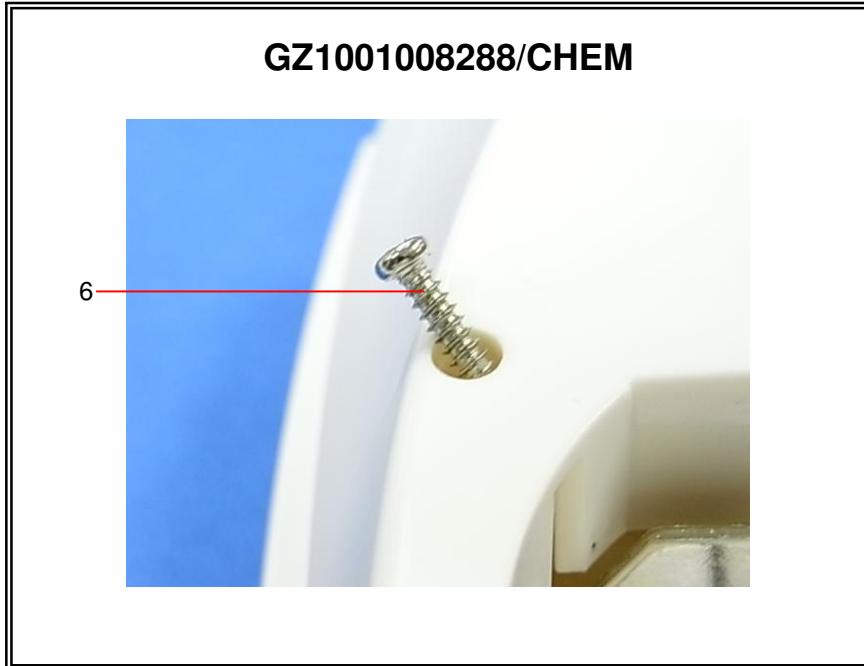
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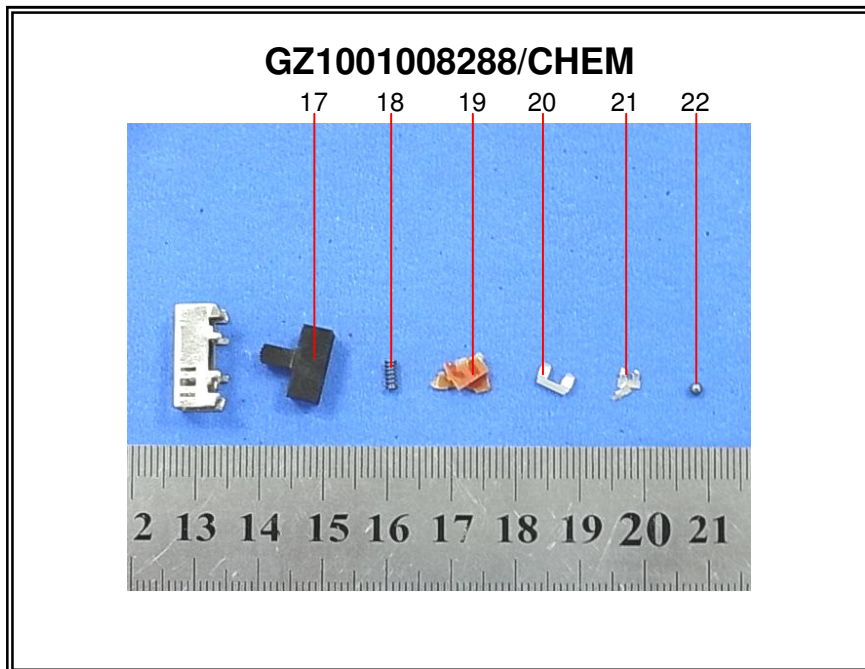
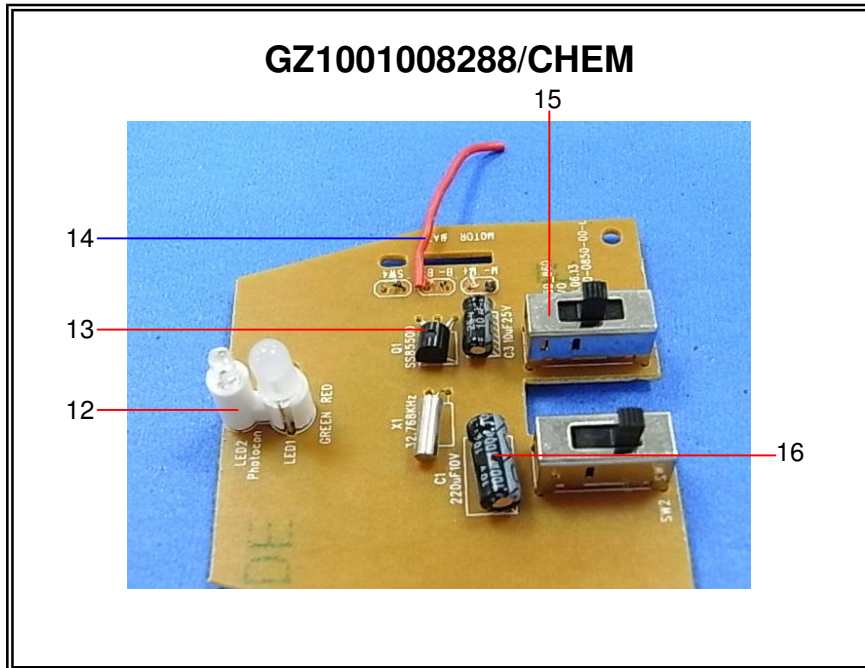
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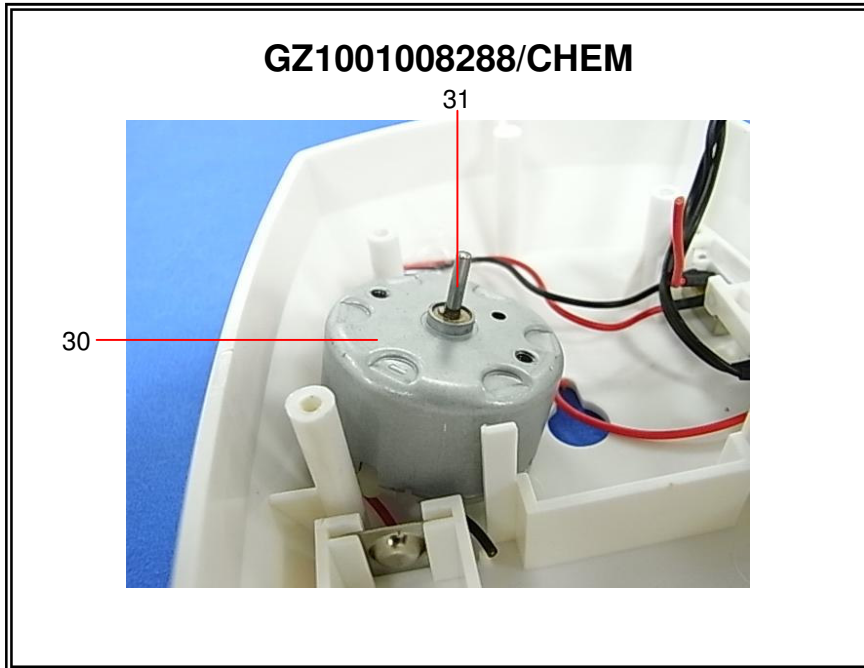
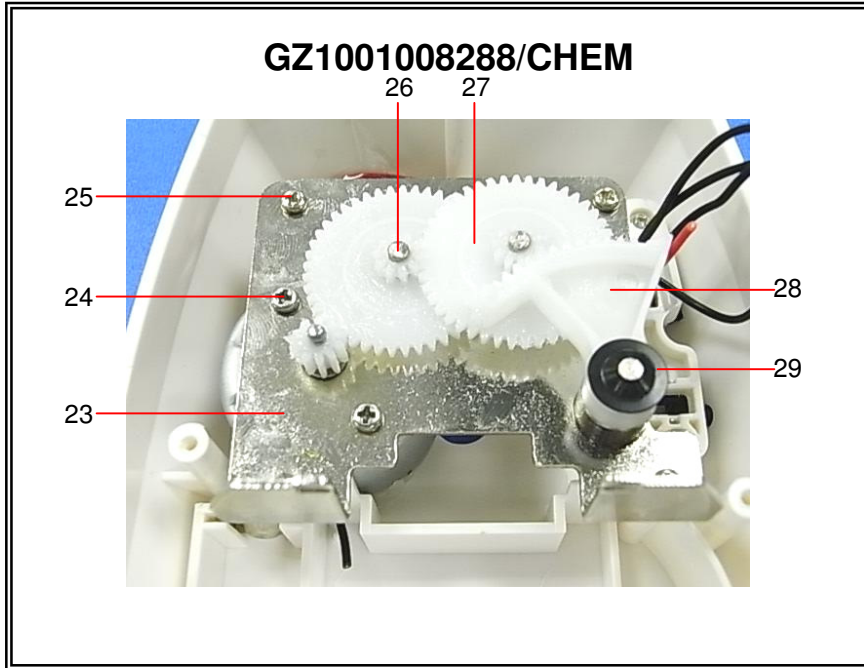




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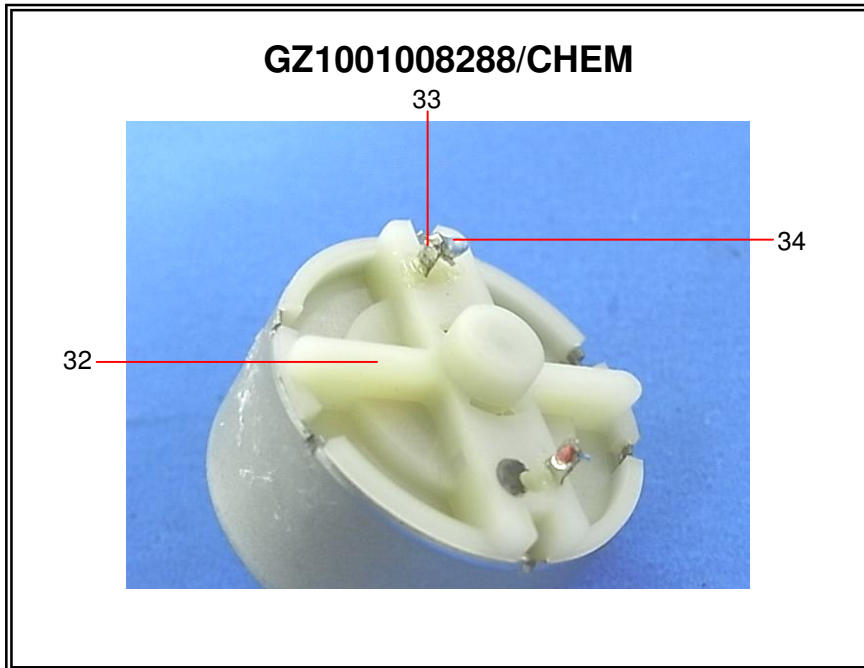
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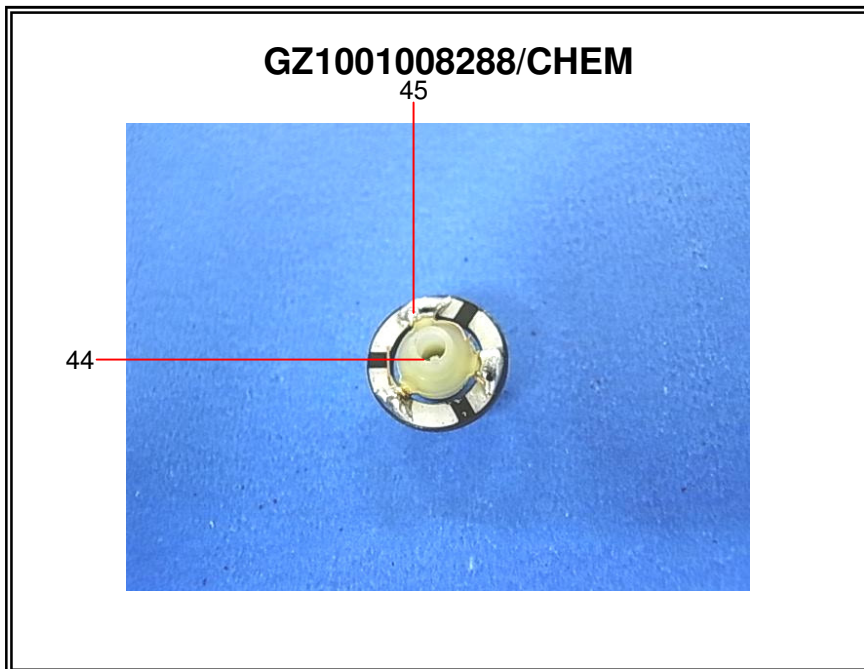
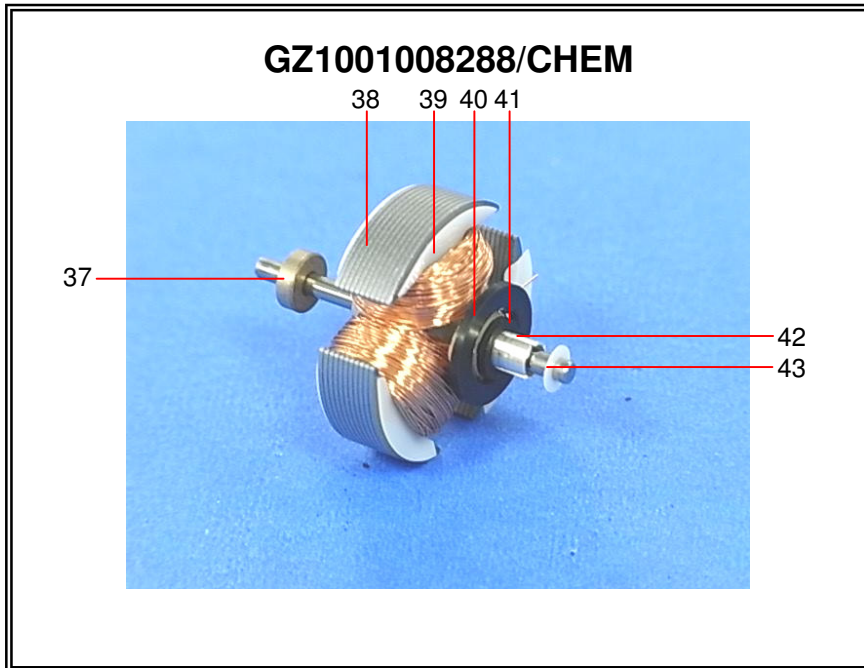
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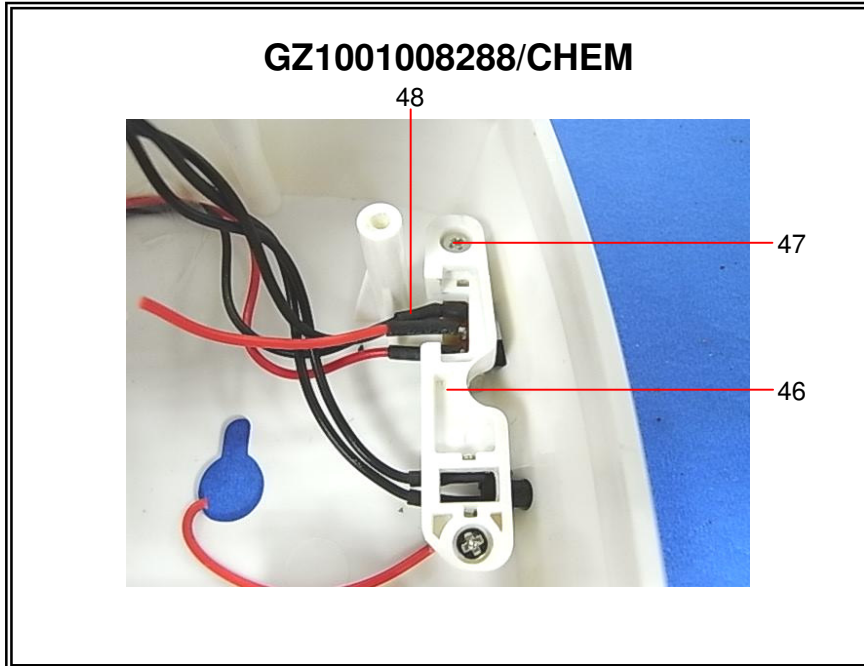
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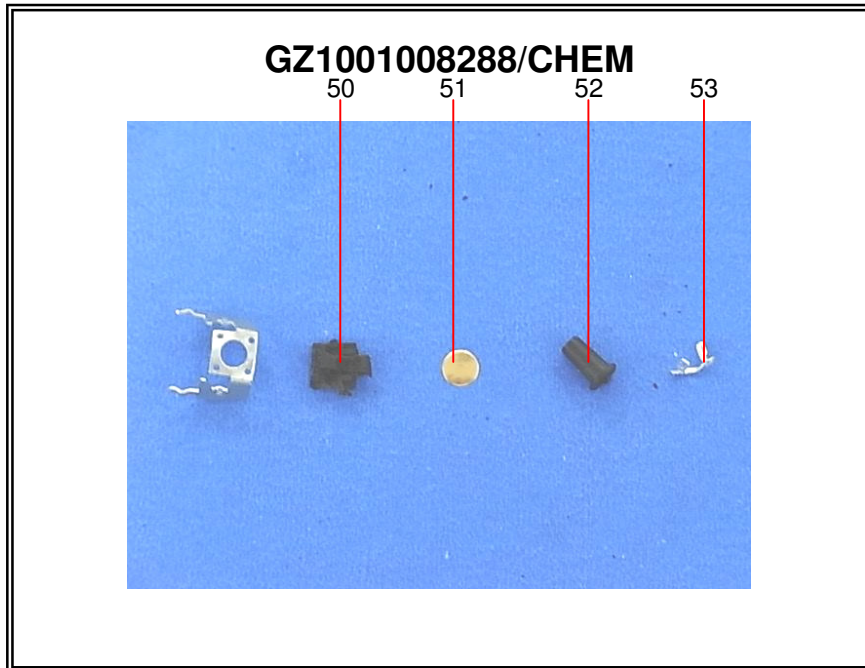
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