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Client: JIANGSU CHUNLAN IMP.&EXP.CO., LTD.
Contact Information: 10th Floor, Chunlan Global Business Centre, Taizhou, Jiangsu, China
**Identification/
Model No(s):** Energy storage heat pump type mobile air conditioner
XKYRd-45
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2020-12-02,2020-12-10,2020-12-23,2021-01-12
Testing Period: 2020-12-02 to 2021-01-20
Place of testing: Chemical laboratory Guangzhou

Test Specification:	Test result:
1. Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) Benzylbutyl phthalate (BBP), Dibutyl phthalate (DBP), Bis(2-ethylhexyl) phthalate (DEHP), Diisobutyl phthalate (DIBP) According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863	PASS

Other information:

According to customer's requirement, only the appointed materials have been tested.

For and on behalf of
TÜV Rheinland (Guangdong) Ltd.



2021-01-20

Aaliya Chen / Assistant Project Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.

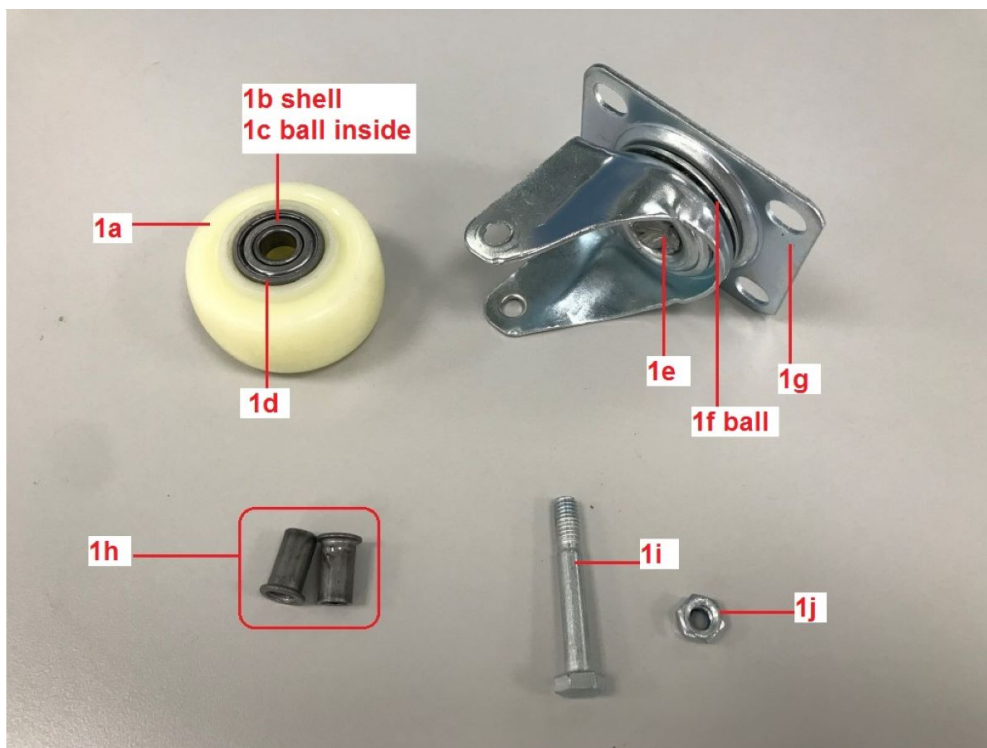
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

'Decision Rule' document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

1. Screening Test by XRF spectroscopy

Test Method: Cadmium, Lead, Mercury, Chromium, Bromine
-- With reference to IEC 62321-3-1:2013

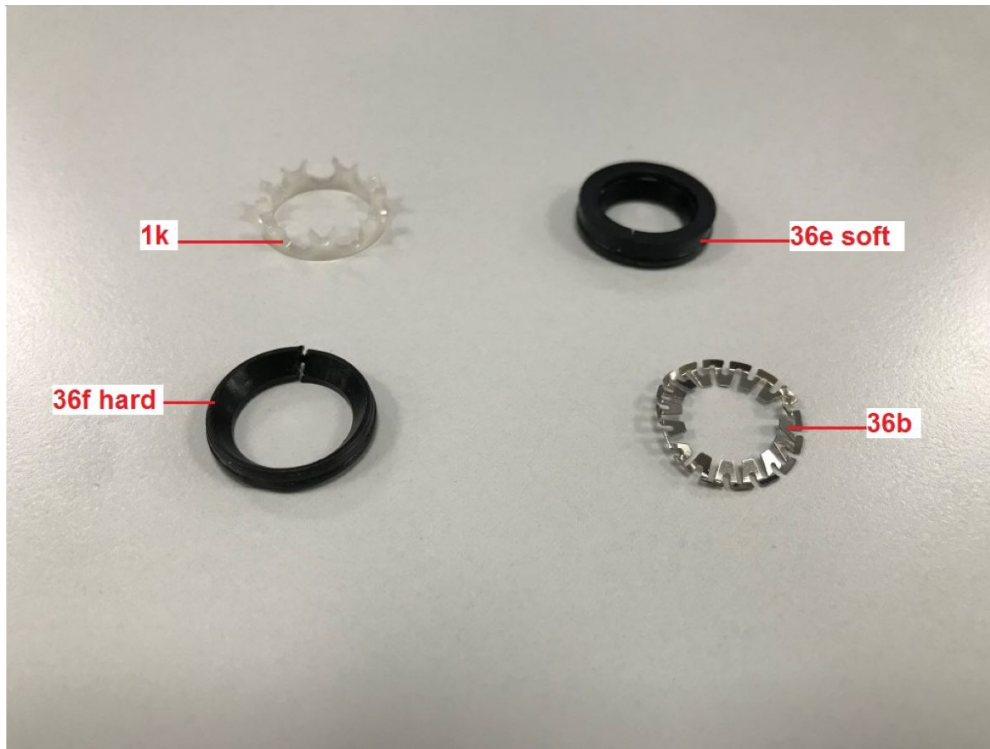
Test Result:



Material No.	Cd	Cr	Pb	Hg	Br
M001a	< RL	< RL	< RL	< RL	< RL
M001b	< RL	d(*3)	< RL	< RL	n.a.
M001c	< RL	d(*3)	< RL	< RL	n.a.
M001d	< RL	d(*3)	< RL	< RL	n.a.
M001e	< RL	d(*2)	< RL	< RL	n.a.
M001f	< RL	d(*2)	< RL	< RL	n.a.
M001g	< RL	d(*3)	< RL	< RL	n.a.
M001h	< RL	d(*3)	< RL	< RL	n.a.
M001i	< RL	d(*3)	< RL	< RL	n.a.
M001j	< RL	d(*3)	< RL	< RL	n.a.

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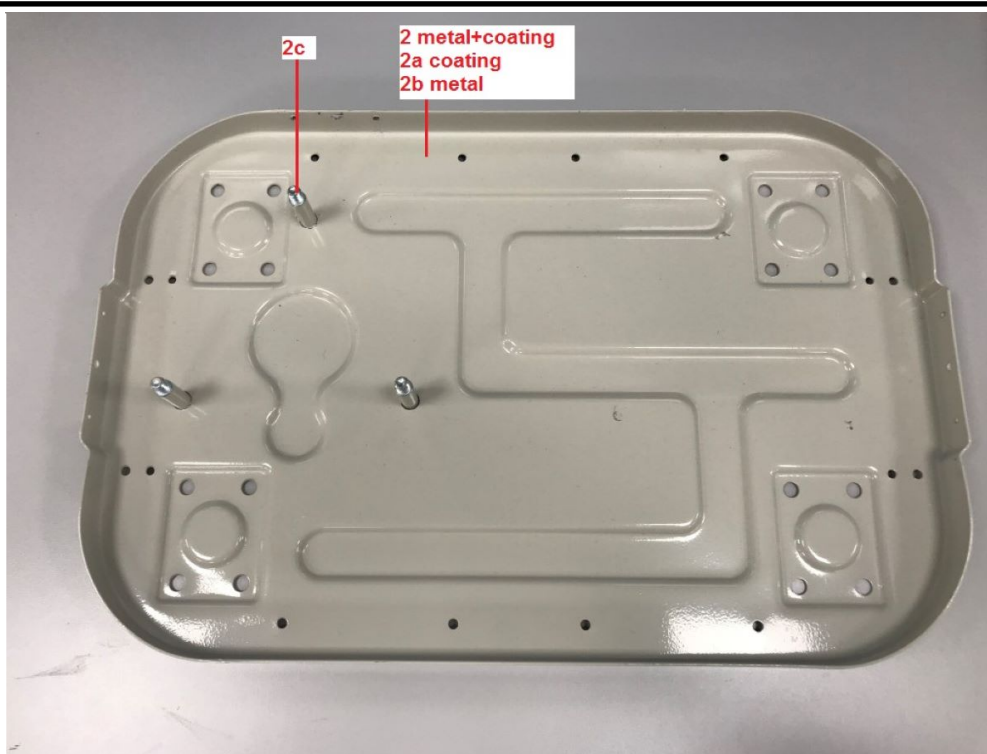
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Material No.	Cd	Cr	Pb	Hg	Br
M001k	< RL	< RL	< RL	< RL	< RL
M036d	< RL	< RL	< RL	< RL	< RL
M036e	< RL	< RL	< RL	< RL	< RL
M036f	< RL	< RL	< RL	< RL	< RL

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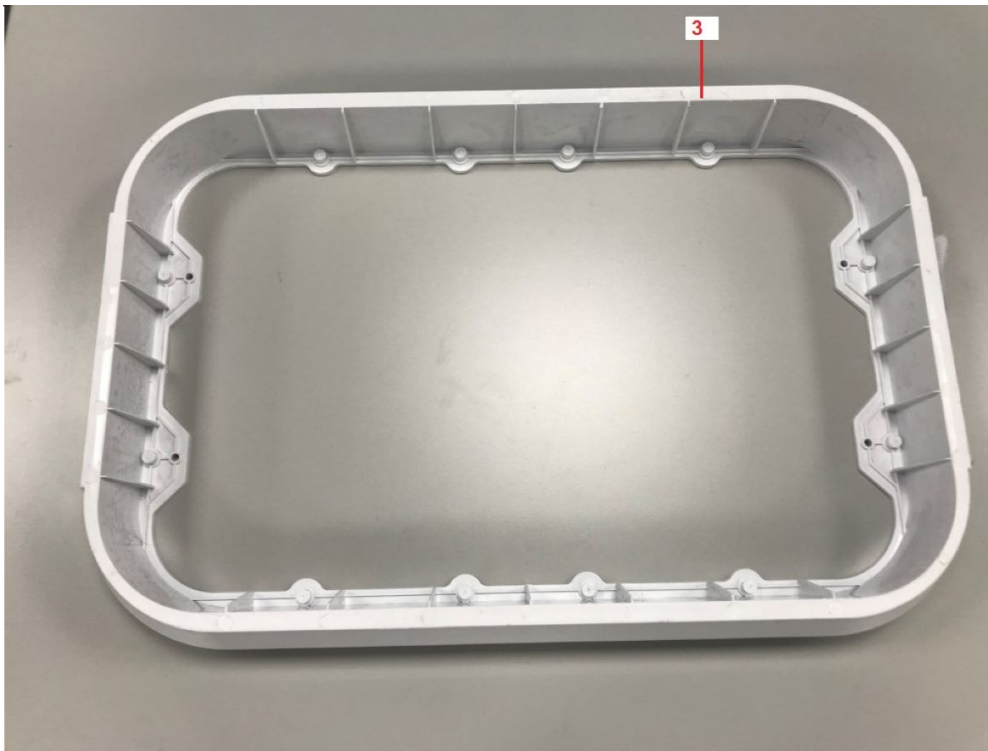
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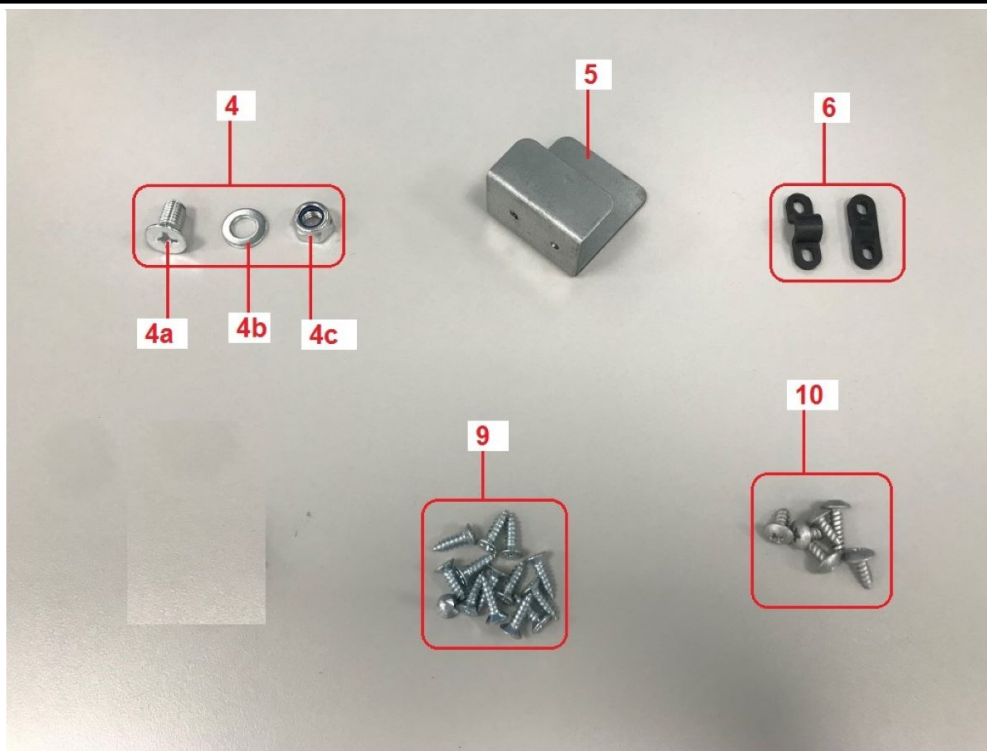
Material No.	Cd	Cr	Pb	Hg	Br
M002a	< RL	< RL	< RL	< RL	< RL
M002b	< RL	d(*3)	< RL	< RL	n.a.
M002c	< RL	d(*3)	< RL	< RL	n.a.

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Material No.	Cd	Cr	Pb	Hg	Br
M003	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M004a	< RL	d(*3)	< RL	< RL	n.a.
M004b	< RL	d(*3)	< RL	< RL	n.a.
M004c	< RL	d(*3)	< RL	< RL	n.a.
M005	< RL	d(*3)	< RL	< RL	n.a.
M006	< RL	< RL	< RL	< RL	< RL
M009	< RL	d(*2)	< RL	< RL	n.a.
M010	< RL	d(*2)	< RL	< RL	n.a.

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Material No.	Cd	Cr	Pb	Hg	Br
M008-1	< RL	d(*3)	< RL	< RL	n.a.

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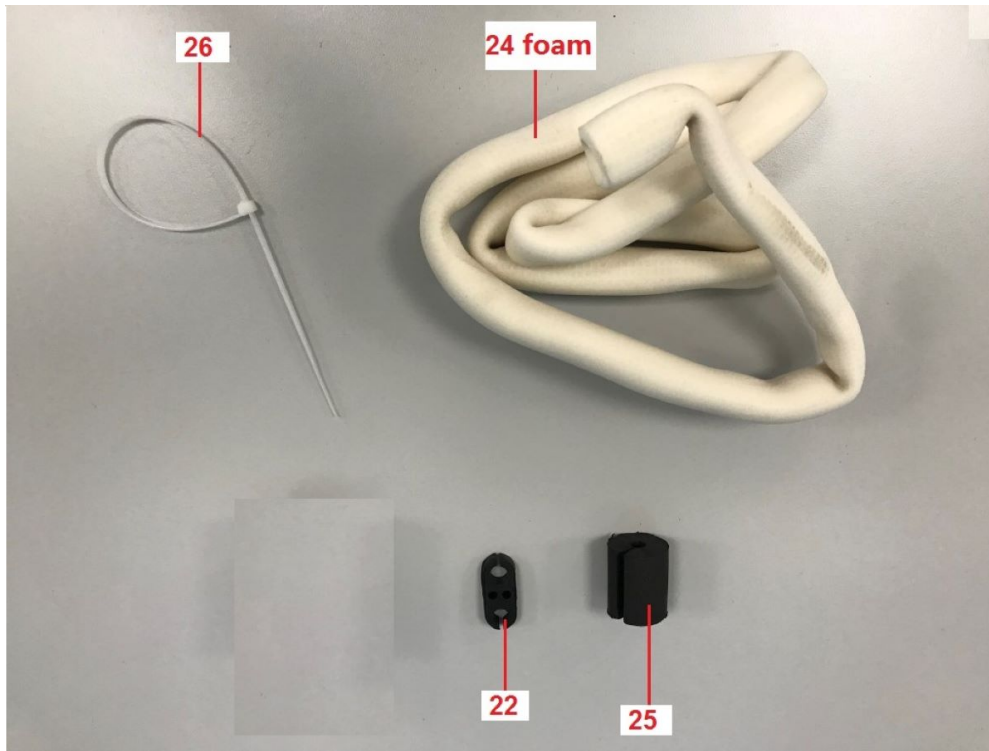
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Material No.	Cd	Cr	Pb	Hg	Br
M011	< RL	< RL	< RL	< RL	< RL

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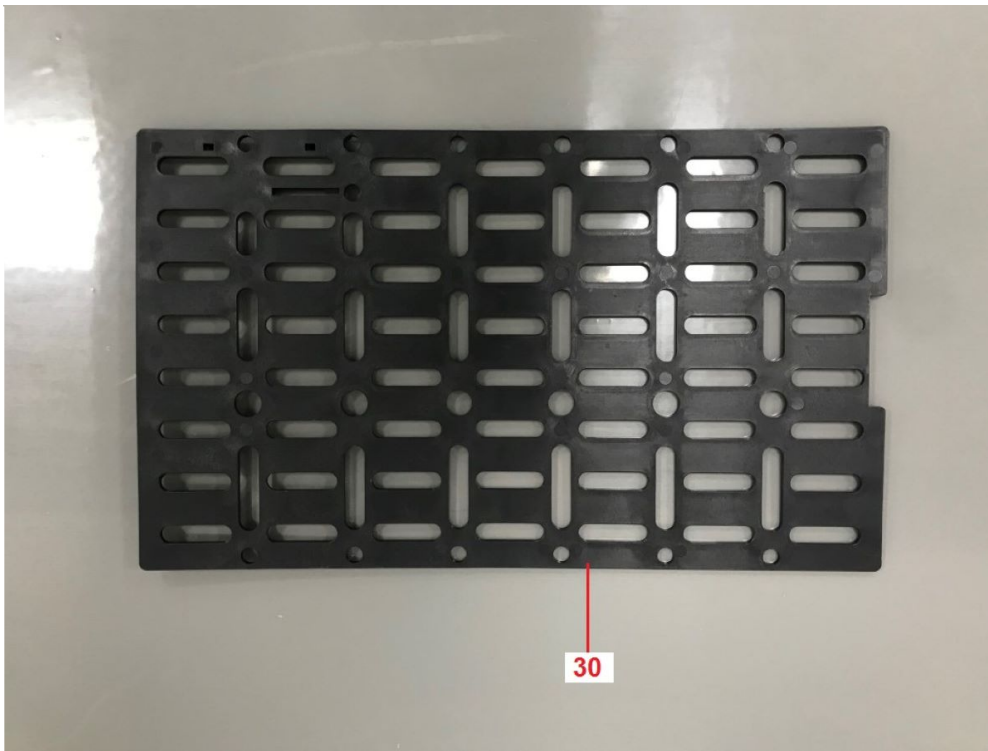
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Material No.	Cd	Cr	Pb	Hg	Br
M022	< RL	< RL	< RL	< RL	< RL
M024	< RL	< RL	< RL	< RL	< RL
M025	< RL	< RL	< RL	< RL	< RL
M026	< RL	< RL	< RL	< RL	< RL

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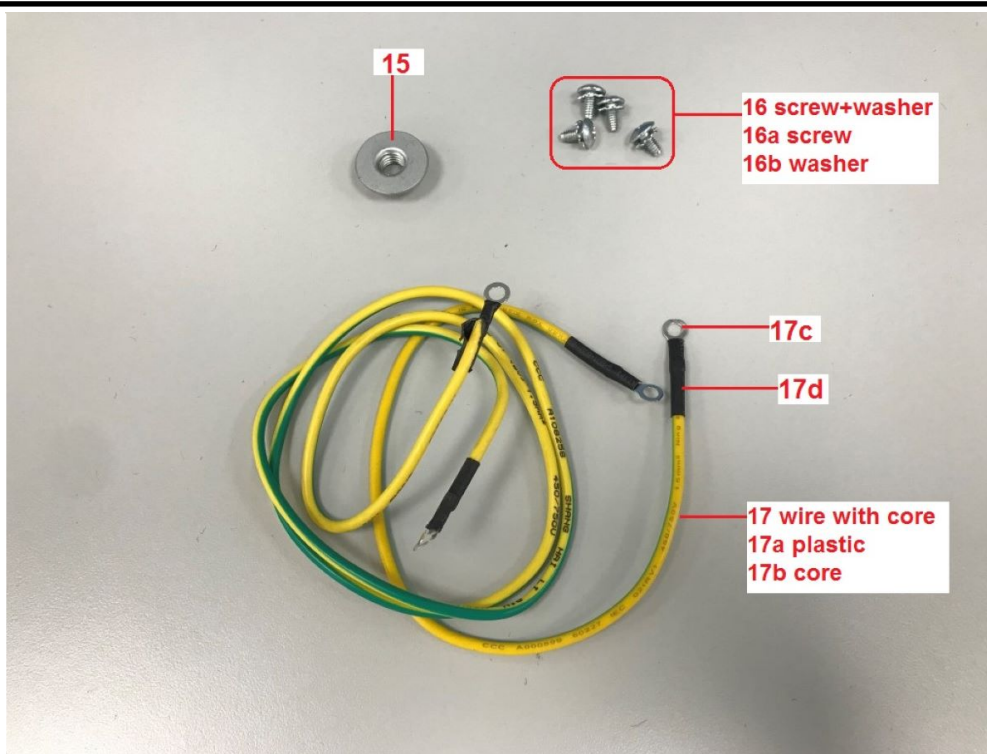
Material No.	Cd	Cr	Pb	Hg	Br
M030	< RL	< RL	< RL	< RL	< RL

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Material No.	Cd	Cr	Pb	Hg	Br
M014a	< RL	< RL	< RL	< RL	d(*2)
M014b	< RL	< RL	< RL	< RL	< RL
M014c	< RL	< RL	< RL	< RL	< RL
M014d	< RL	d(*2)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M015	< RL	d(*2)	< RL	< RL	n.a.
M016a	< RL	d(*3)	< RL	< RL	n.a.
M016b	< RL	d(*2)	< RL	< RL	n.a.
M017a	< RL	< RL	< RL	< RL	< RL
M017b	< RL	d(*3)	< RL	< RL	n.a.
M017c	< RL	d(*3)	< RL	< RL	n.a.
M017d	< RL	< RL	< RL	< RL	< RL

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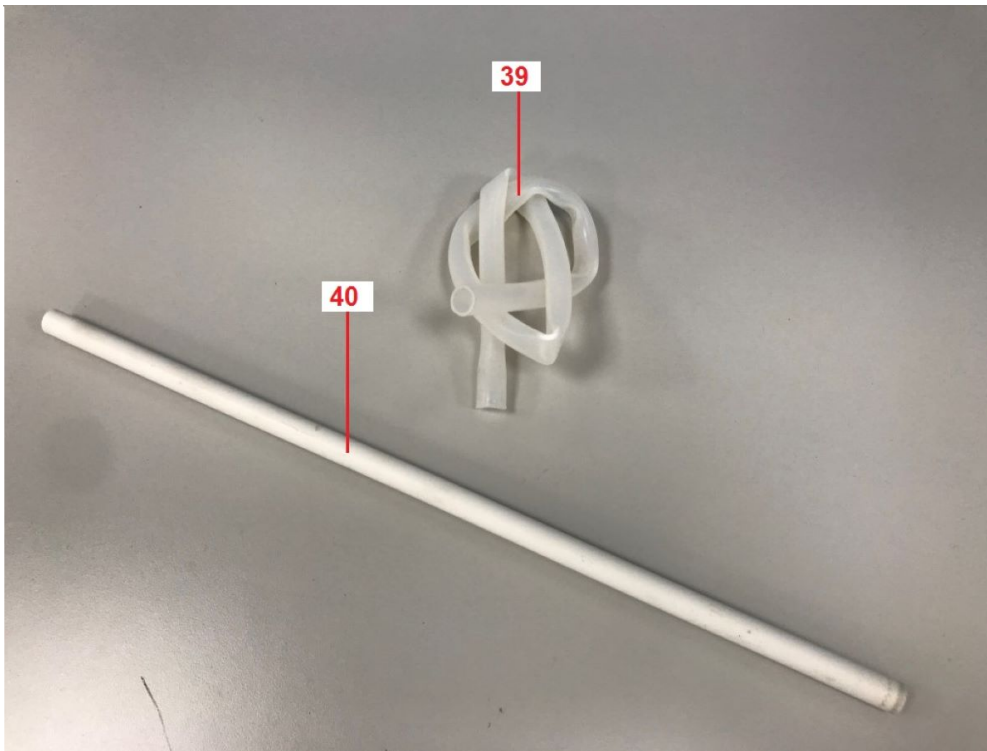
Material No.	Cd	Cr	Pb	Hg	Br
M023-1	< RL	< RL	< RL	< RL	d(*2)



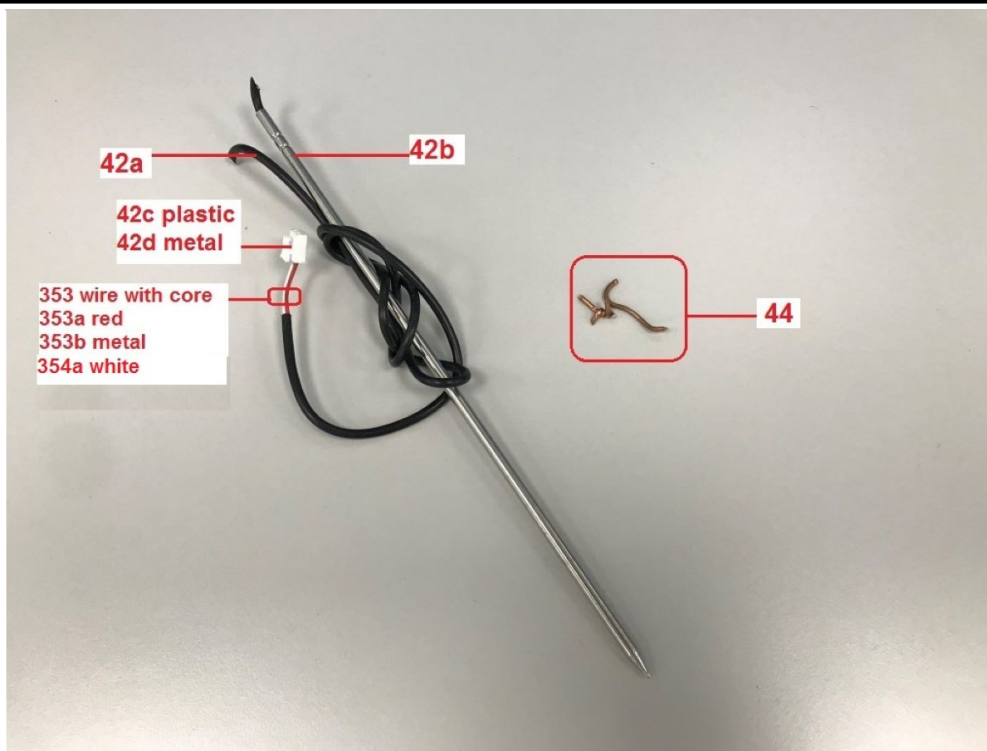
Material No.	Cd	Cr	Pb	Hg	Br
M032	< RL	< RL	< RL	< RL	< RL
M033	< RL	< RL	< RL	< RL	< RL
M034	< RL	< RL	< RL	< RL	< RL
M035	< RL	< RL	< RL	< RL	< RL
M036a	< RL	< RL	< RL	< RL	< RL
M036b	< RL	d(*2)	< RL	< RL	n.a.
M036c	< RL	< RL	< RL	< RL	< RL
M037	< RL	< RL	< RL	< RL	< RL
M038	< RL	< RL	< RL	< RL	< RL

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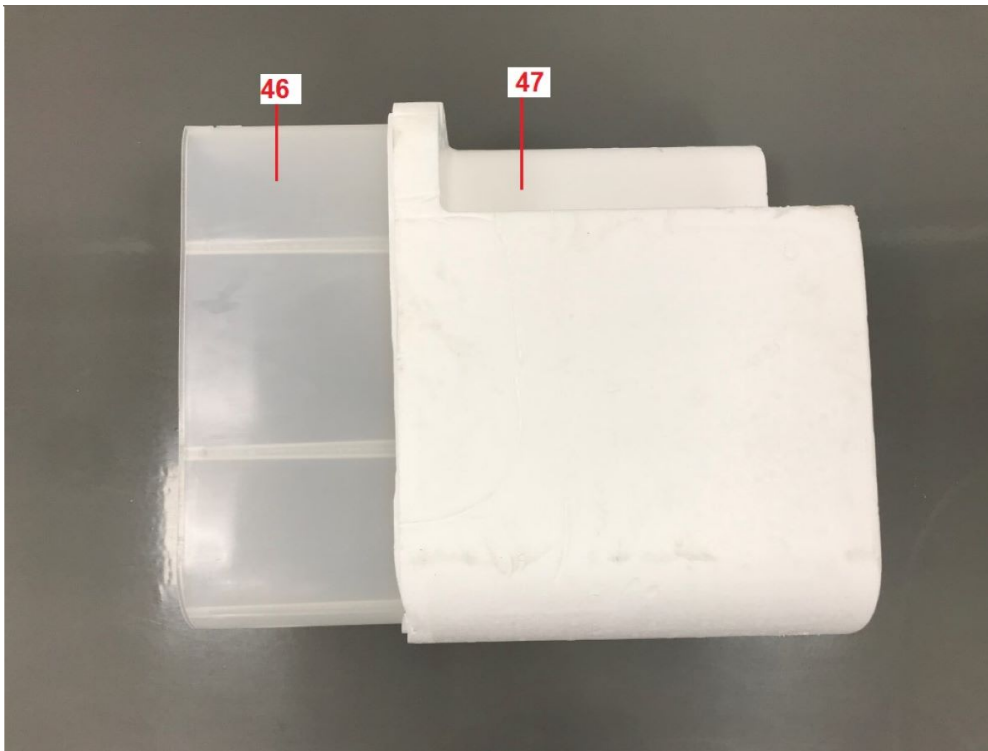
Material No.	Cd	Cr	Pb	Hg	Br
M039	< RL	< RL	< RL	< RL	< RL
M040	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M042a	< RL	< RL	< RL	< RL	< RL
M042b	< RL	d(*2)	< RL	< RL	n.a.
M042c	< RL	< RL	< RL	< RL	< RL
M042d	< RL	d(*3)	< RL	< RL	n.a.
M044	< RL	d(*3)	< RL	< RL	n.a.
M353a	< RL	< RL	< RL	< RL	< RL
M353b	< RL	d(*3)	< RL	< RL	n.a.
M354a	< RL	< RL	< RL	< RL	< RL

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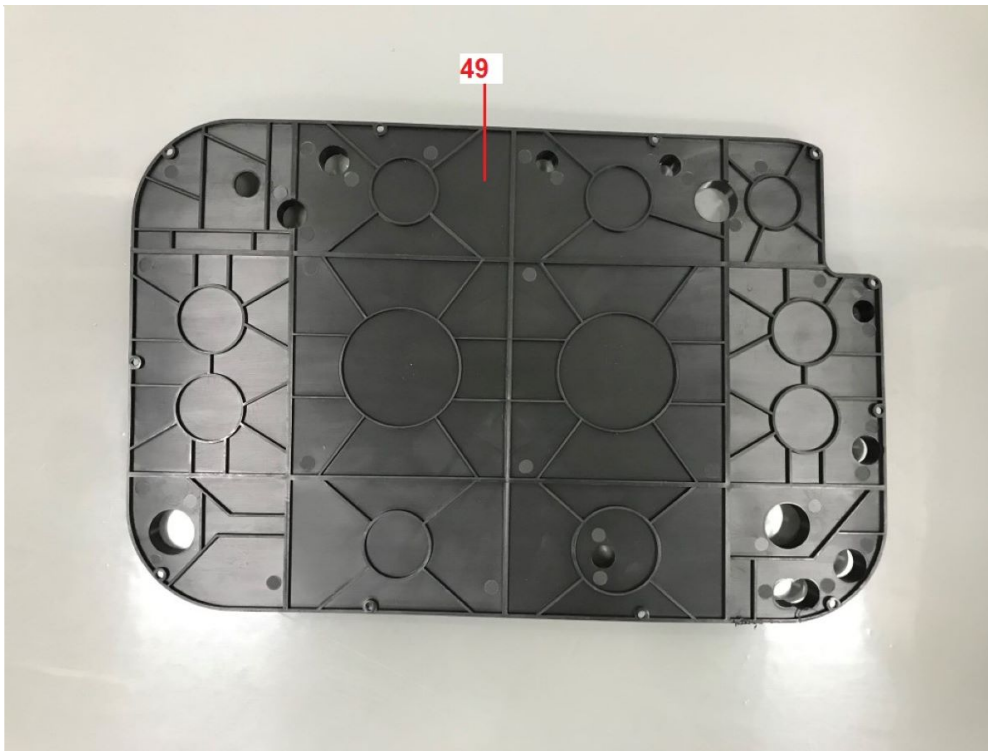
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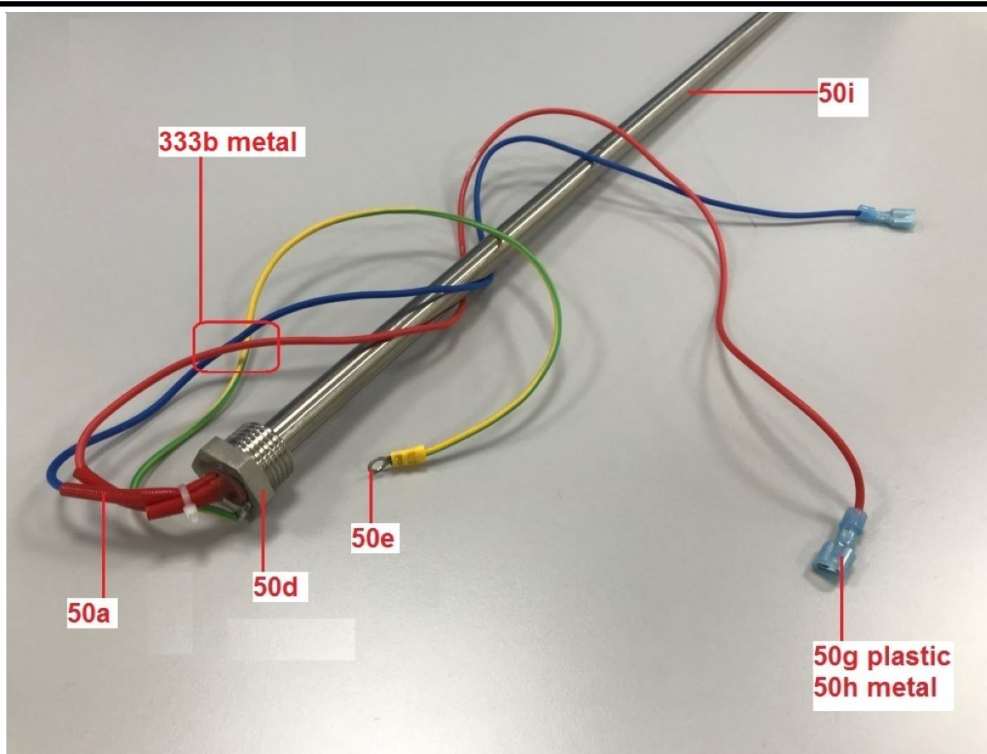
Material No.	Cd	Cr	Pb	Hg	Br
M046	< RL	< RL	< RL	< RL	< RL
M047	< RL	< RL	< RL	< RL	< RL

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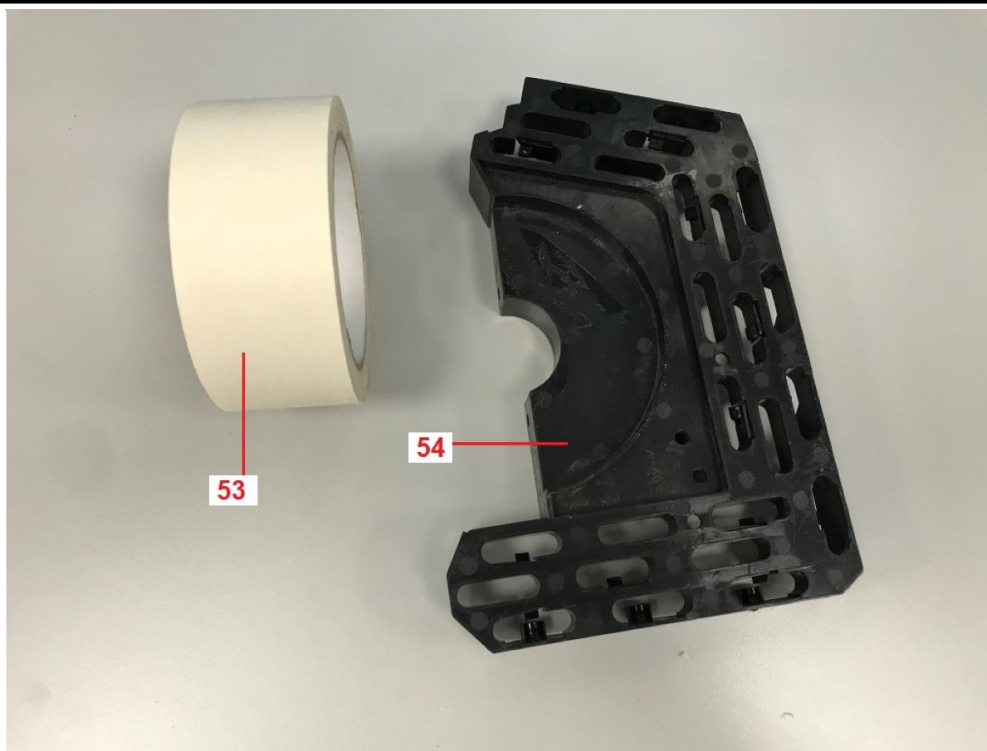
Material No.	Cd	Cr	Pb	Hg	Br
M049	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M050a	< RL	< RL	< RL	< RL	< RL
M050d	< RL	d(*2)	< RL	< RL	n.a.
M050e	< RL	d(*3)	< RL	< RL	n.a.
M050g	< RL	< RL	< RL	< RL	< RL
M050h	< RL	d(*3)	< RL	< RL	n.a.
M050i	< RL	d(*2)	< RL	< RL	n.a.
M333b	< RL	d(*3)	< RL	< RL	n.a.

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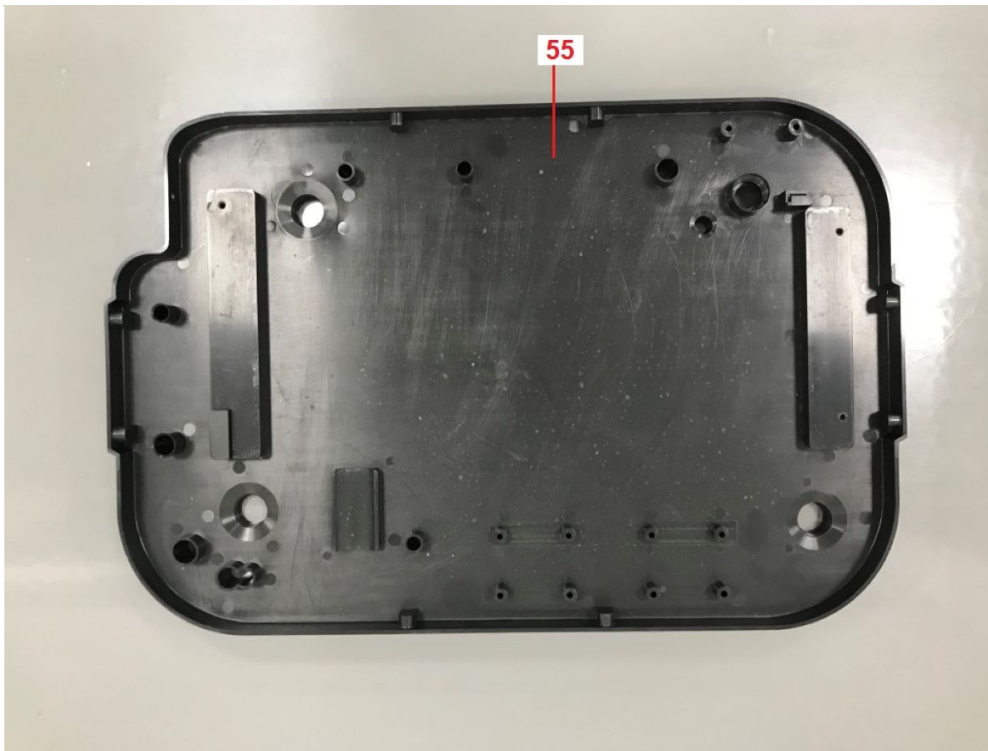
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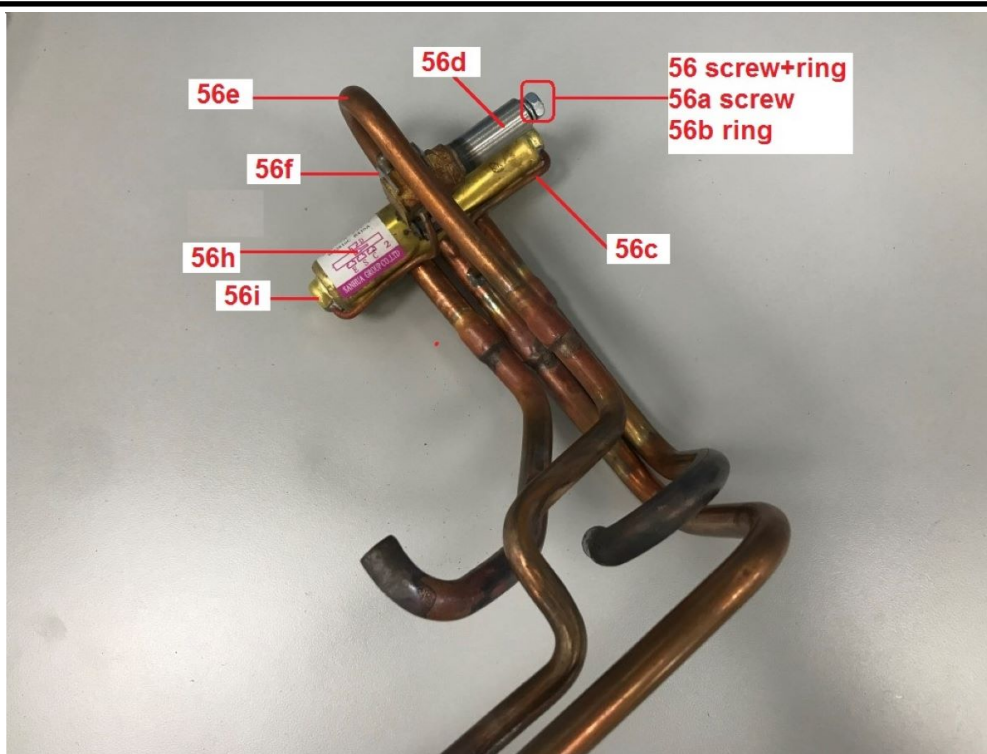
Material No.	Cd	Cr	Pb	Hg	Br
M053	< RL	< RL	< RL	< RL	< RL
M054	< RL	< RL	< RL	< RL	< RL

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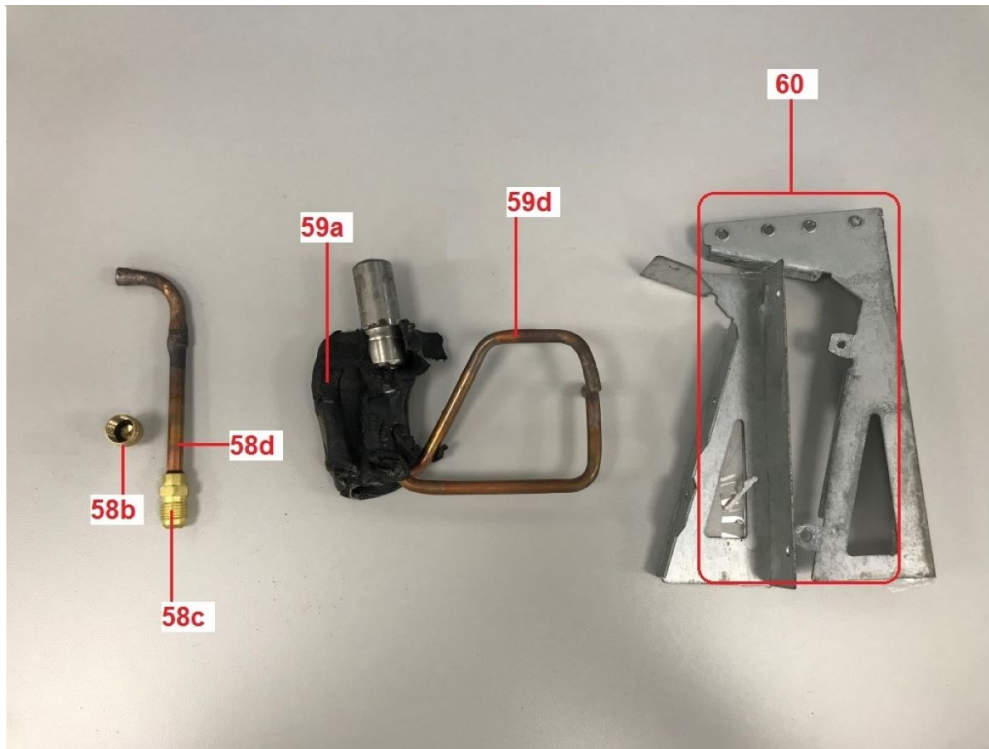
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Material No.	Cd	Cr	Pb	Hg	Br
M055	< RL	< RL	< RL	< RL	< RL



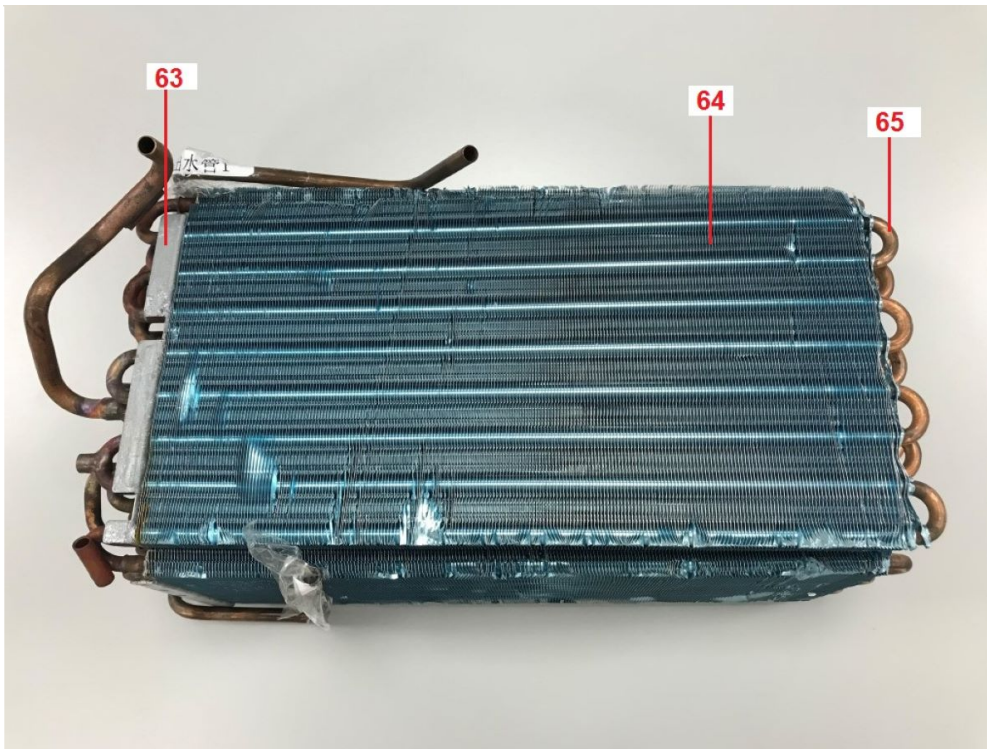
Material No.	Cd	Cr	Pb	Hg	Br
M056a	< RL	d(*3)	< RL	< RL	n.a.
M056b	< RL	d(*3)	< RL	< RL	n.a.
M056c	< RL	d(*3)	< RL	< RL	n.a.
M056d	< RL	d(*2)	< RL	< RL	n.a.
M056e	< RL	d(*3)	< RL	< RL	n.a.
M056f	< RL	d(*2)	< RL	< RL	n.a.
M056h	< RL	< RL	< RL	< RL	< RL
M056i	< RL	d(*3)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M058d	< RL	d(*3)	< RL	< RL	n.a.
M059a	< RL	< RL	< RL	< RL	< RL
M059b	< RL	d(*2)	< RL	< RL	n.a.
M059c	< RL	d(*2)	< RL	< RL	n.a.
M059d	< RL	d(*3)	< RL	< RL	n.a.
M060	< RL	d(*3)	< RL	< RL	n.a.

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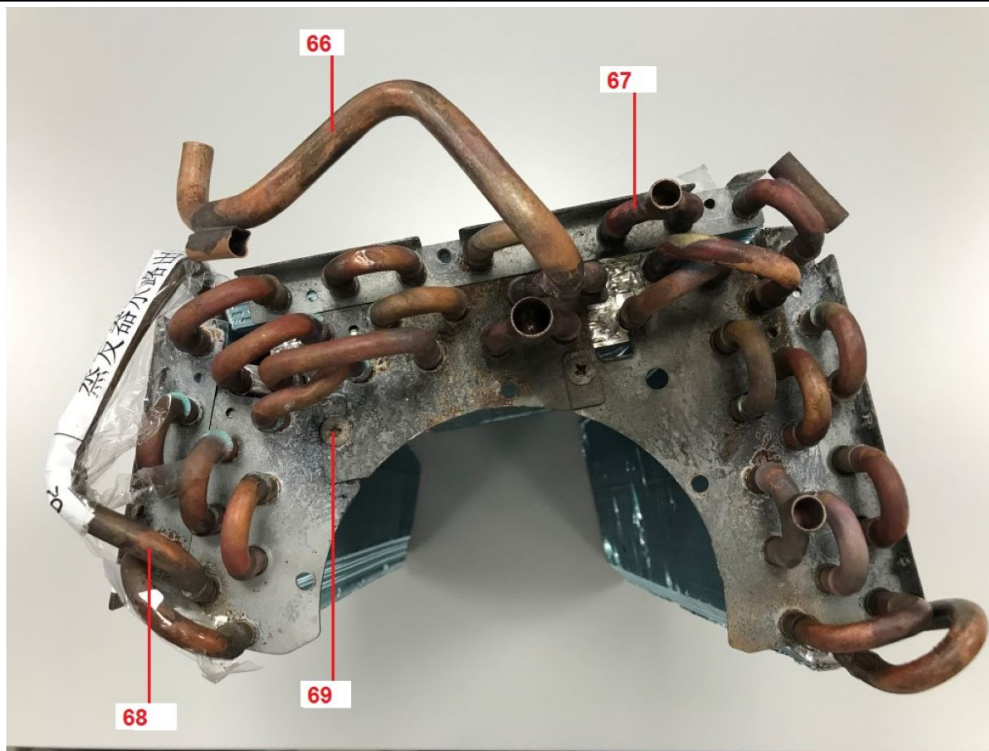
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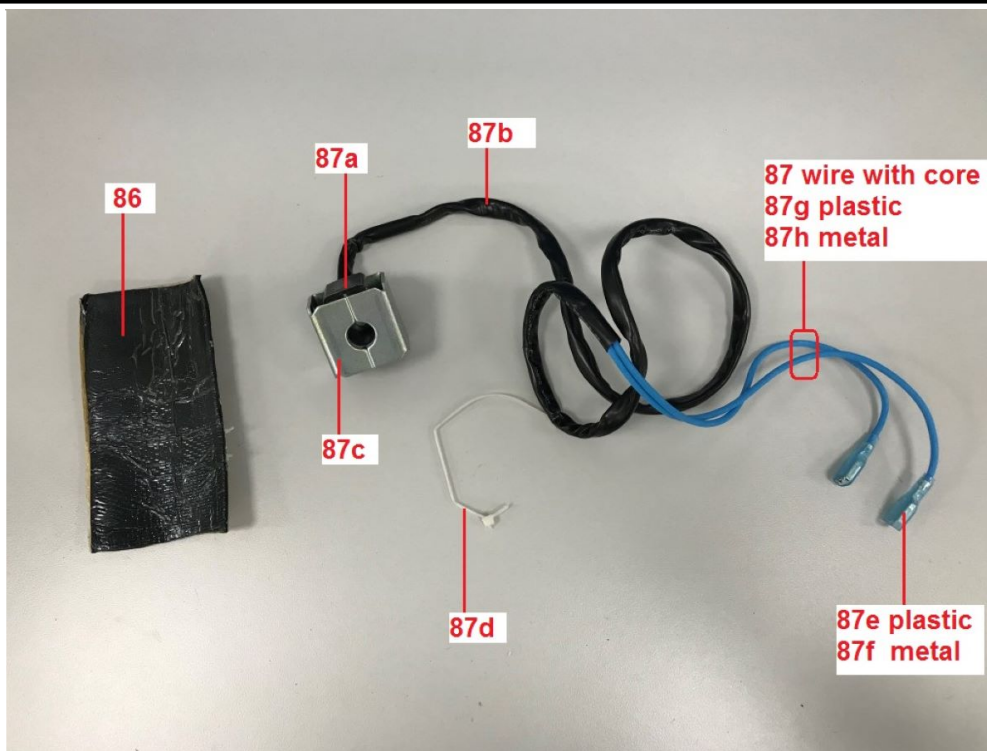
Material No.	Cd	Cr	Pb	Hg	Br
M063	< RL	d(*3)	< RL	< RL	n.a.
M064	< RL	d(*3)	< RL	< RL	n.a.
M065	< RL	d(*3)	< RL	< RL	n.a.

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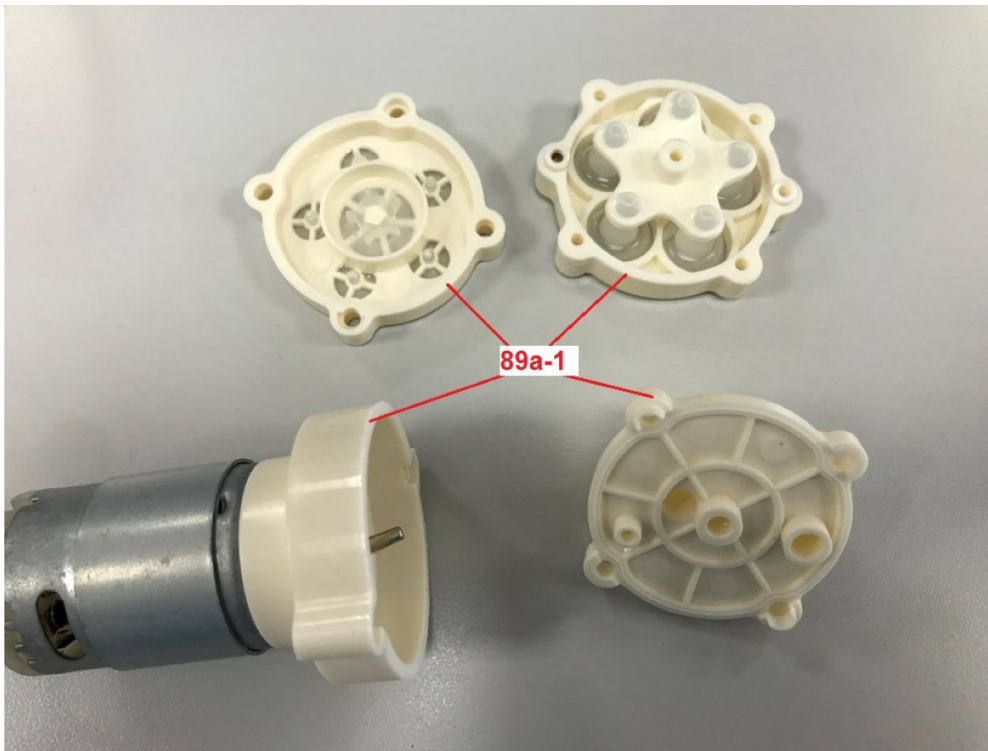
Material No.	Cd	Cr	Pb	Hg	Br
M066	< RL	d(*3)	< RL	< RL	n.a.
M067	< RL	d(*3)	< RL	< RL	n.a.
M068	< RL	d(*3)	< RL	< RL	n.a.
M069	< RL	d(*2)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M086	< RL	< RL	< RL	< RL	< RL
M087a	< RL	< RL	< RL	< RL	< RL
M087b	< RL	< RL	< RL	< RL	< RL
M087c	< RL	d(*2)	< RL	< RL	n.a.
M087d	< RL	< RL	< RL	< RL	< RL
M087e	< RL	< RL	< RL	< RL	< RL
M087f	< RL	d(*3)	< RL	< RL	n.a.
M087g	< RL	< RL	< RL	< RL	d(*2)
M087h	< RL	d(*3)	< RL	< RL	n.a.

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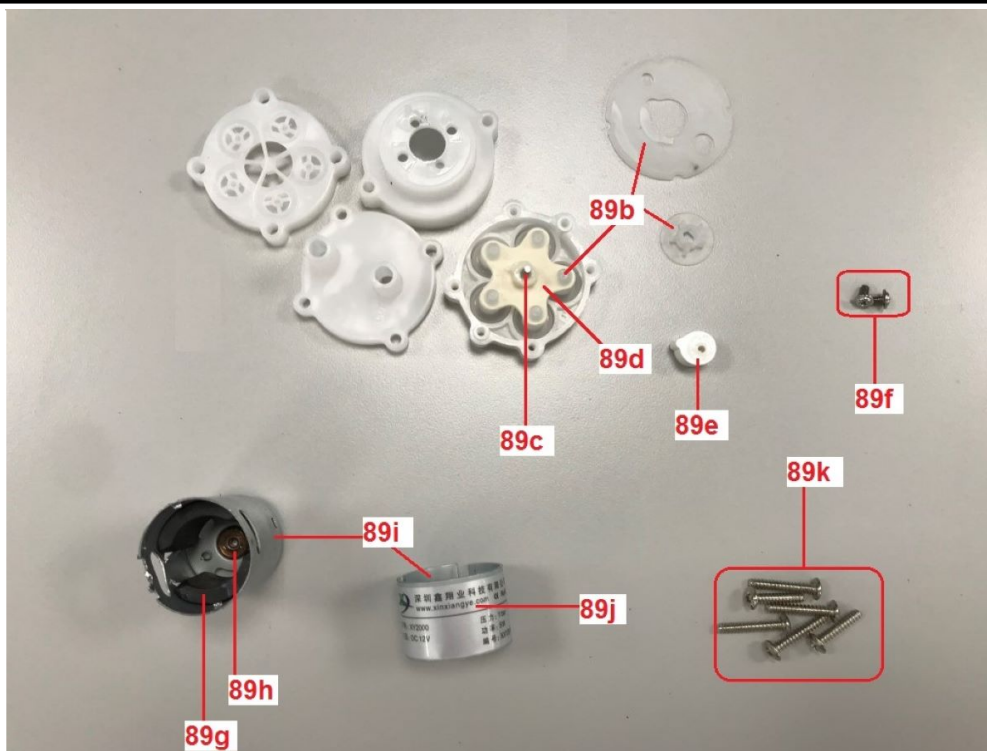
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Material No.	Cd	Cr	Pb	Hg	Br
M089a-1	< RL	< RL	< RL	< RL	d(*2)

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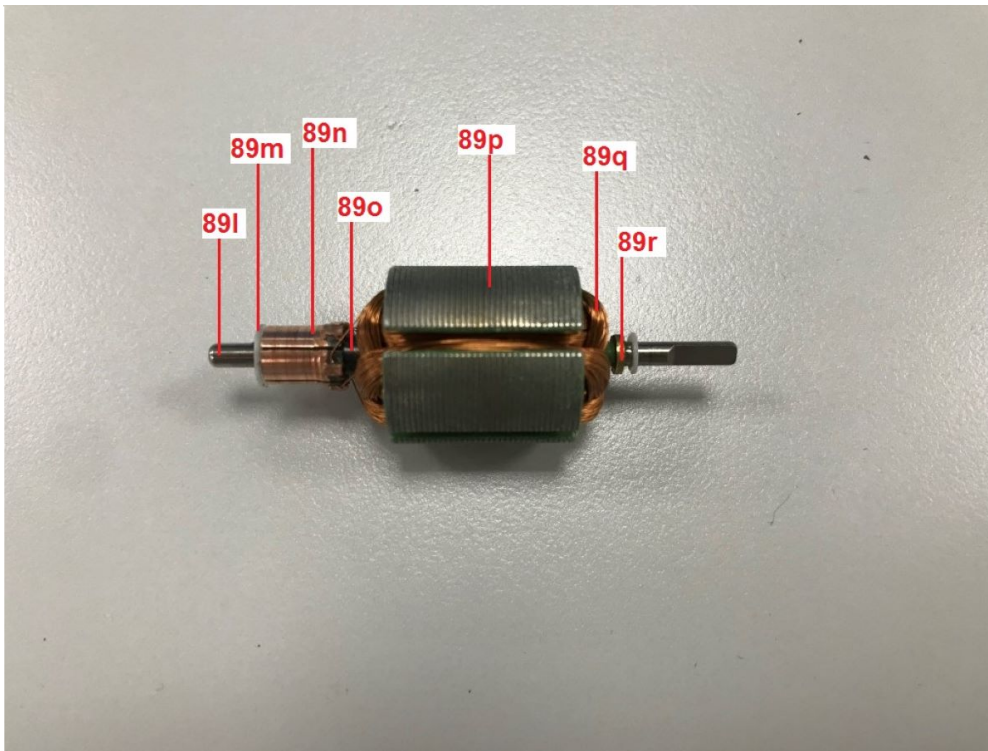
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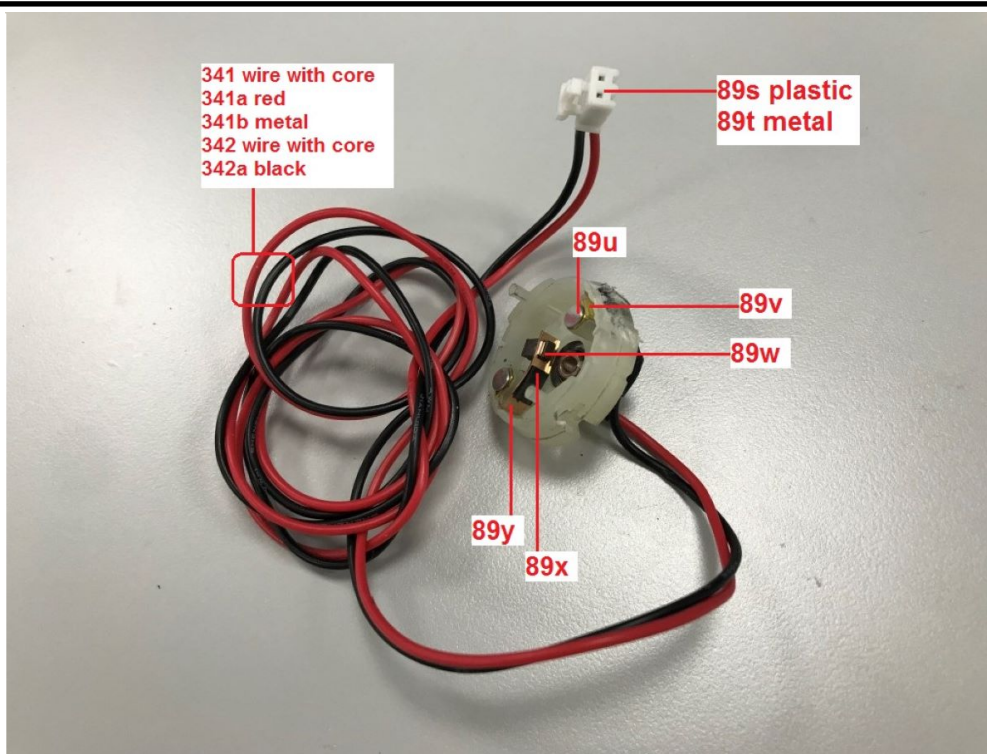
Material No.	Cd	Cr	Pb	Hg	Br
M089b	< RL	< RL	< RL	< RL	< RL
M089c	< RL	d(*3)	< RL	< RL	n.a.
M089d	< RL	< RL	< RL	< RL	< RL
M089e	< RL	< RL	< RL	< RL	< RL
M089f	< RL	d(*3)	< RL	< RL	n.a.
M089g	< RL	d(*2)	< RL	< RL	n.a.
M089h	< RL	d(*3)	< RL	< RL	n.a.
M089i	< RL	d(*3)	< RL	< RL	n.a.
M089j	< RL	< RL	< RL	< RL	< RL
M089k	< RL	d(*3)	< RL	< RL	n.a.

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Material No.	Cd	Cr	Pb	Hg	Br
M089l	< RL	d(*3)	< RL	< RL	n.a.
M089m	< RL	< RL	< RL	< RL	< RL
M089n	< RL	d(*3)	< RL	< RL	n.a.
M089o	< RL	< RL	< RL	< RL	< RL
M089p	< RL	d(*2)	< RL	< RL	n.a.
M089q	< RL	d(*3)	< RL	< RL	n.a.
M089r	< RL	d(*3)	< RL	< RL	n.a.



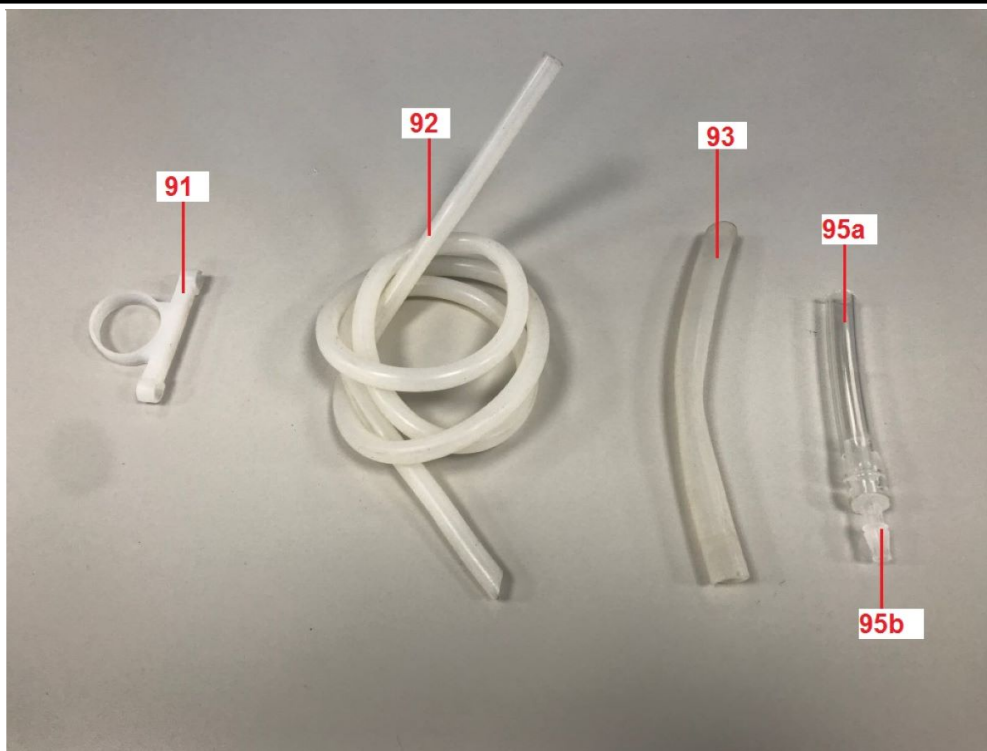
Material No.	Cd	Cr	Pb	Hg	Br
M089s	< RL	< RL	< RL	< RL	< RL
M089t	< RL	d(*3)	< RL	< RL	n.a.
M089u	< RL	d(*3)	< RL	< RL	n.a.
M089v	< RL	d(*3)	< RL	< RL	n.a.
M089w	< RL	< RL	< RL	< RL	< RL
M089x	< RL	< RL	< RL	< RL	< RL
M089y	< RL	d(*3)	< RL	< RL	n.a.
M341a	< RL	< RL	< RL	< RL	< RL
M341b	< RL	d(*3)	< RL	< RL	n.a.
M342a	< RL	< RL	< RL	< RL	< RL

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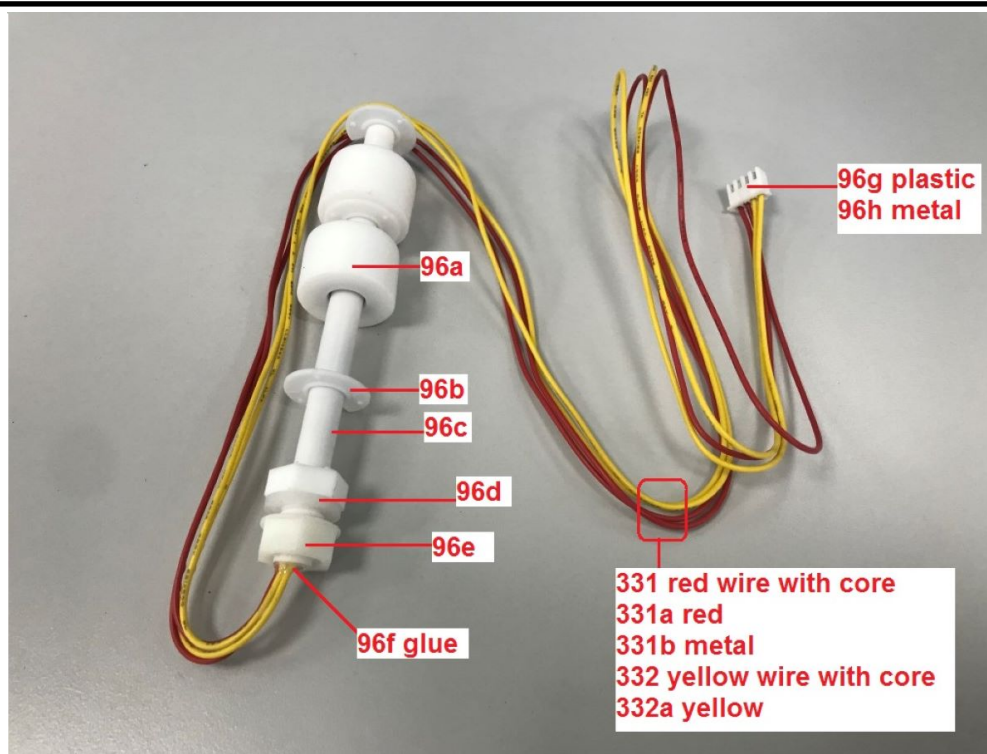
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Material No.	Cd	Cr	Pb	Hg	Br
M089z	< RL	< RL	< RL	< RL	< RL

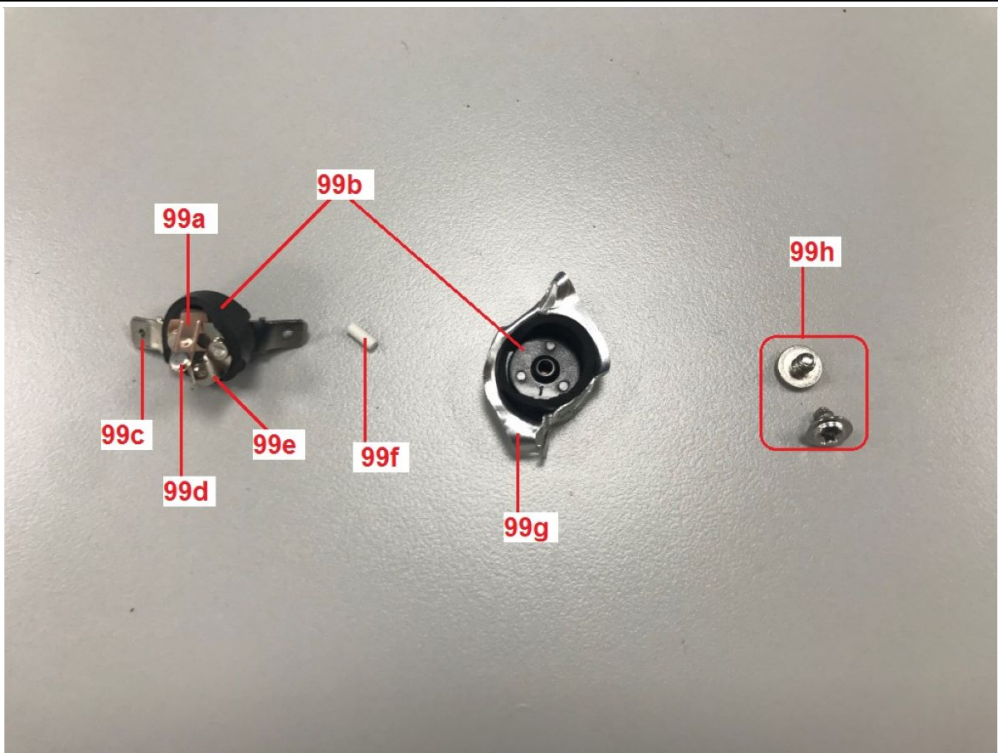


Material No.	Cd	Cr	Pb	Hg	Br
M091	< RL	< RL	< RL	< RL	< RL
M092	< RL	< RL	< RL	< RL	< RL
M093	< RL	< RL	< RL	< RL	< RL
M095a	< RL	< RL	< RL	< RL	< RL
M095b	< RL	< RL	< RL	< RL	< RL

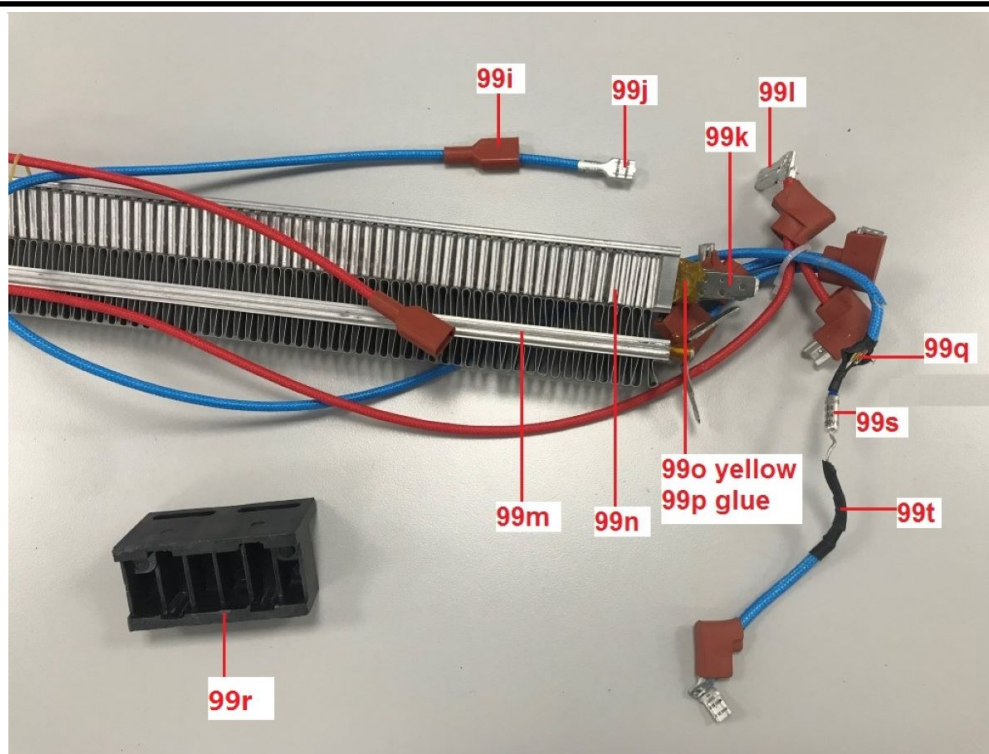


Material No.	Cd	Cr	Pb	Hg	Br
M096a	< RL	< RL	< RL	< RL	< RL
M096b	< RL	< RL	< RL	< RL	< RL
M096c	< RL	< RL	< RL	< RL	< RL
M096d	< RL	< RL	< RL	< RL	< RL
M096e	< RL	< RL	< RL	< RL	< RL
M096f	< RL	< RL	< RL	< RL	< RL
M096g	< RL	< RL	< RL	< RL	< RL
M096h	< RL	d(*3)	< RL	< RL	n.a.
M331a	< RL	< RL	< RL	< RL	< RL
M331b	< RL	d(*3)	< RL	< RL	n.a.
M332a	< RL	< RL	< RL	< RL	< RL

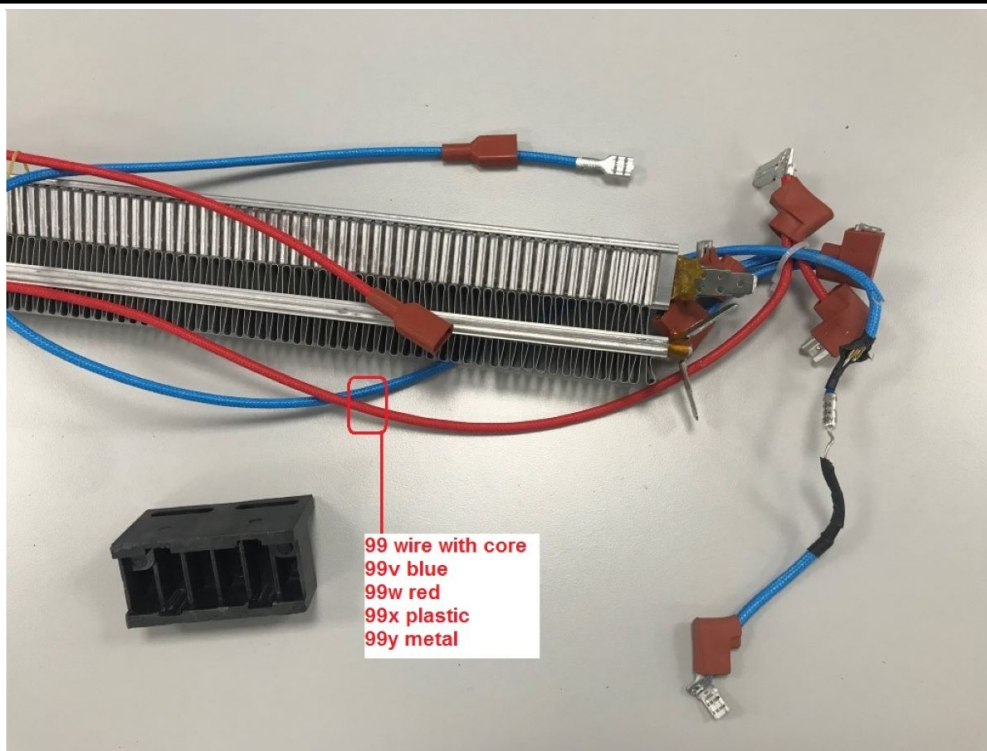
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Material No.	Cd	Cr	Pb	Hg	Br
M099a	< RL	d(*3)	< RL	< RL	n.a.
M099b	< RL	< RL	< RL	< RL	< RL
M099c	< RL	d(*3)	< RL	< RL	n.a.
M099d	d(*1)	d(*3)	< RL	< RL	n.a.
M099e	< RL	d(*3)	< RL	< RL	n.a.
M099f	< RL	< RL	< RL	< RL	< RL
M099g	< RL	d(*3)	< RL	< RL	n.a.
M099h	< RL	d(*3)	< RL	< RL	n.a.



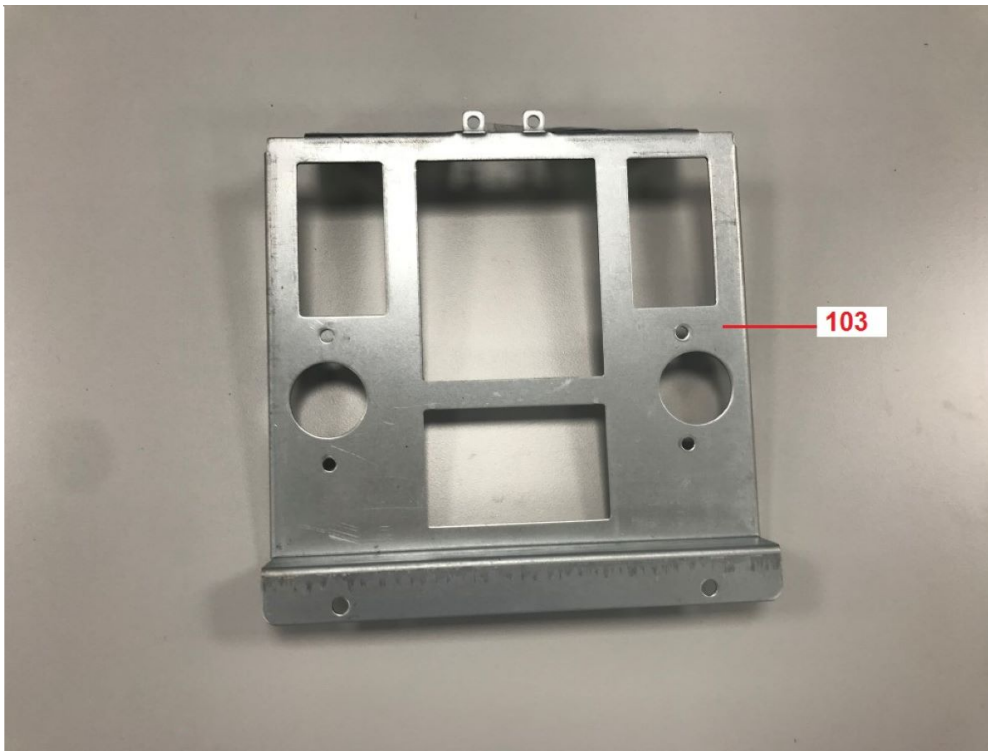
Material No.	Cd	Cr	Pb	Hg	Br
M099i	< RL	< RL	< RL	< RL	< RL
M099j	< RL	d(*3)	< RL	< RL	n.a.
M099k	< RL	d(*2)	< RL	< RL	n.a.
M099l	< RL	d(*3)	< RL	< RL	n.a.
M099m	< RL	d(*3)	< RL	< RL	n.a.
M099n	< RL	d(*3)	< RL	< RL	n.a.
M099o	< RL	< RL	< RL	< RL	< RL
M099p	< RL	< RL	< RL	< RL	< RL
M099q	< RL	d(*3)	< RL	< RL	n.a.
M099r	< RL	< RL	< RL	< RL	< RL
M099s	< RL	< RL	< RL	< RL	< RL
M099t	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M099v	< RL	< RL	< RL	< RL	< RL
M099w	< RL	< RL	< RL	< RL	< RL
M099x	< RL	< RL	< RL	< RL	< RL
M099y	< RL	d(*3)	< RL	< RL	n.a.

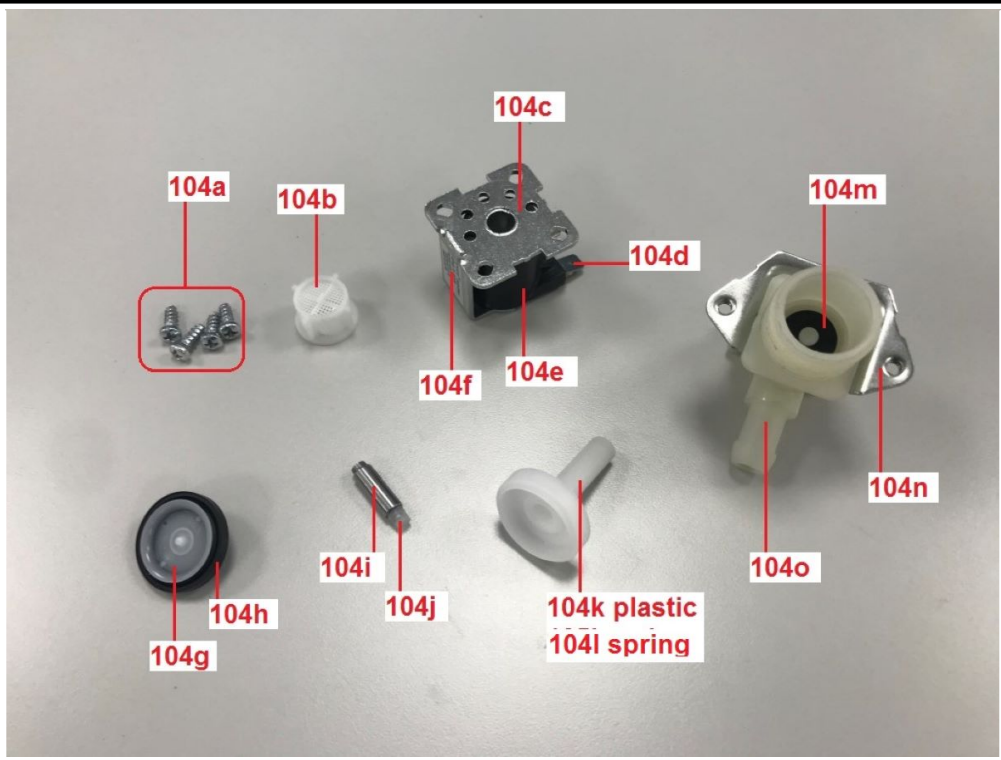
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Material No.	Cd	Cr	Pb	Hg	Br
M103	< RL	d(*3)	< RL	< RL	n.a.

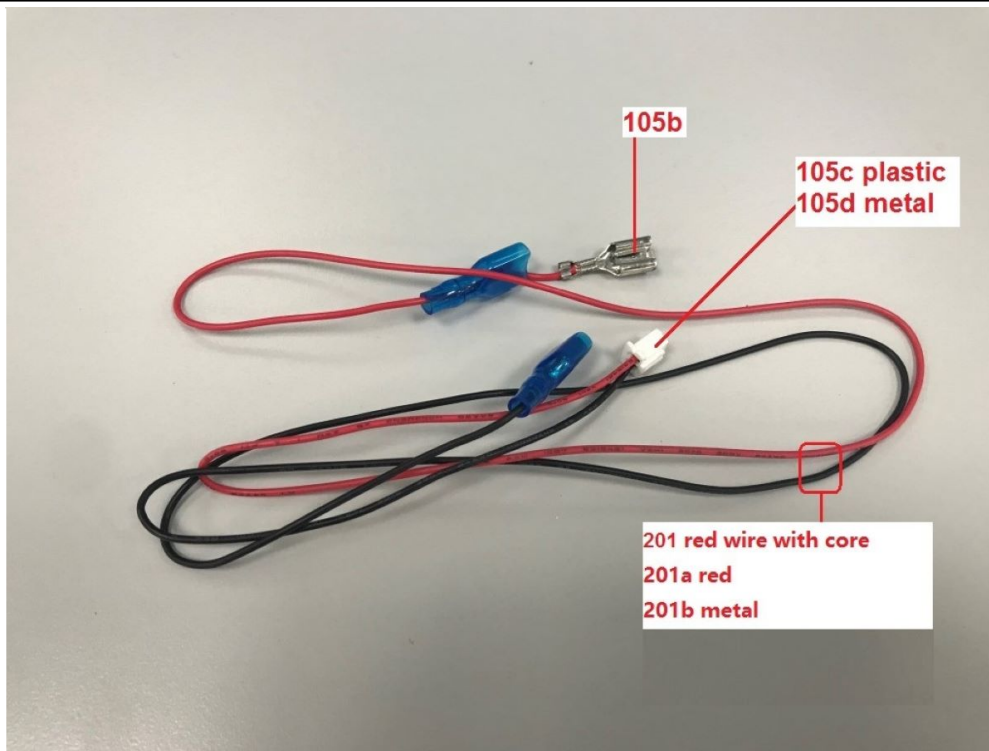
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Material No.	Cd	Cr	Pb	Hg	Br
M104a	< RL	d(*2)	< RL	< RL	n.a.
M104b	< RL	< RL	< RL	< RL	< RL
M104c	< RL	d(*3)	< RL	< RL	n.a.
M104d	< RL	d(*3)	< RL	< RL	n.a.
M104e	< RL	< RL	< RL	< RL	< RL
M104f	< RL	d(*3)	< RL	< RL	n.a.
M104g	< RL	< RL	< RL	< RL	< RL
M104h	< RL	< RL	< RL	< RL	< RL
M104i	< RL	d(*2)	< RL	< RL	n.a.
M104j	< RL	< RL	< RL	< RL	< RL
M104k	< RL	< RL	< RL	< RL	< RL
M104l	< RL	d(*2)	< RL	< RL	n.a.
M104m	< RL	< RL	< RL	< RL	< RL
M104n	< RL	d(*3)	< RL	< RL	n.a.
M104o	< RL	< RL	< RL	< RL	< RL

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Material No.	Cd	Cr	Pb	Hg	Br
M105b	< RL	d(*3)	< RL	< RL	n.a.
M105c	< RL	< RL	< RL	< RL	< RL
M105d	< RL	d(*3)	< RL	< RL	n.a.
M201a	< RL	< RL	< RL	< RL	< RL
M201b	< RL	d(*3)	< RL	< RL	n.a.

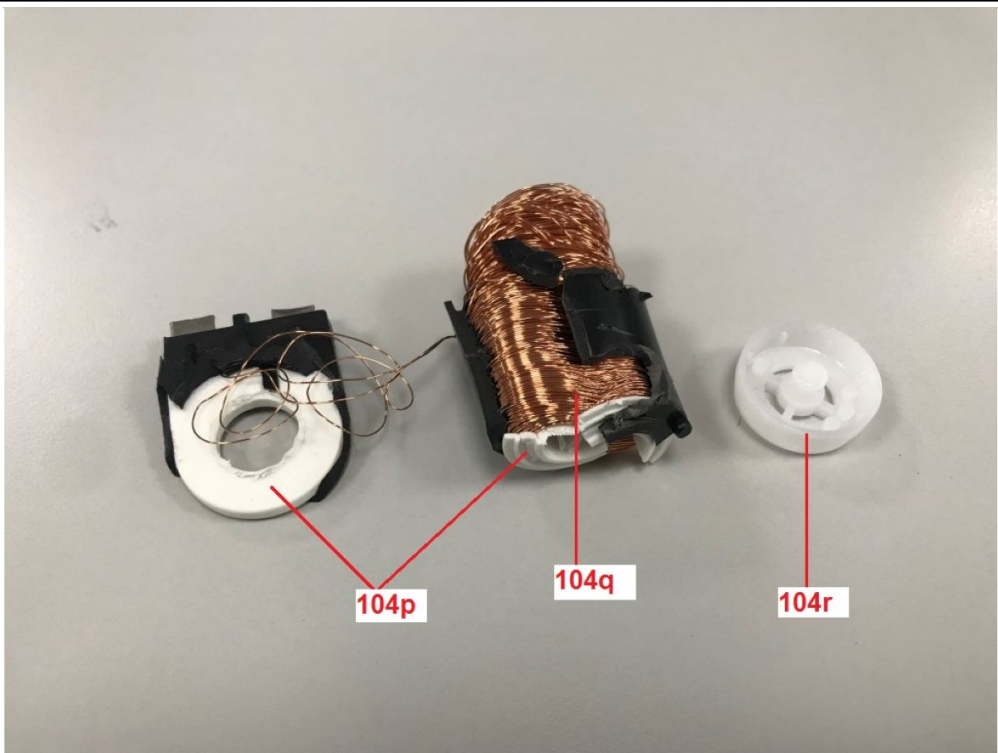
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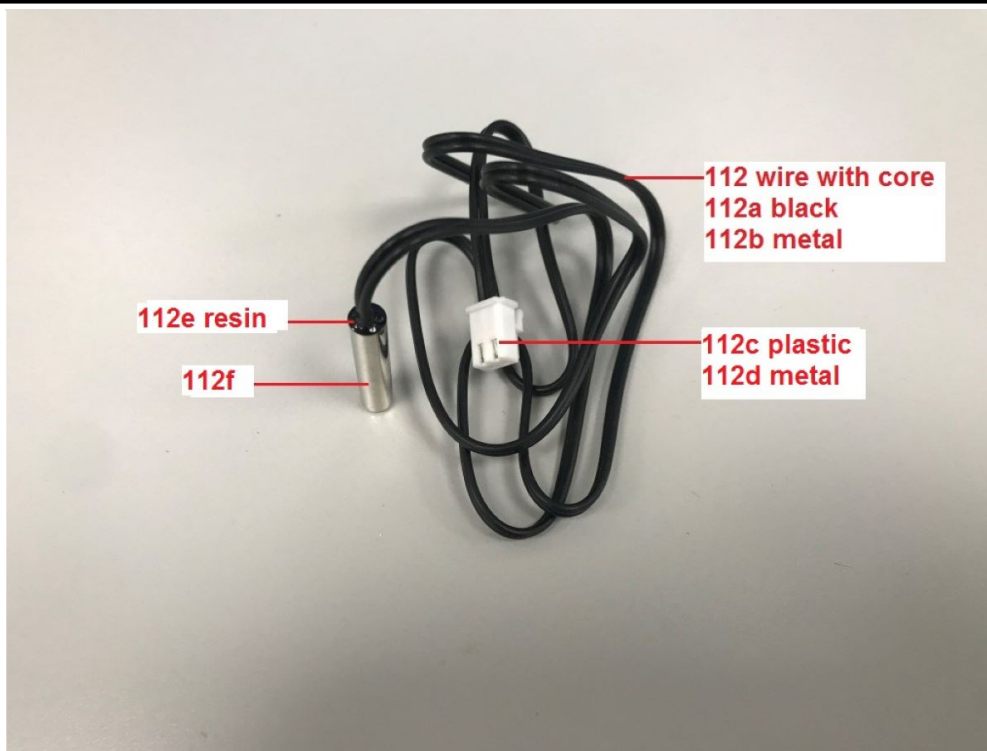


Material No.	Cd	Cr	Pb	Hg	Br
M106	< RL	< RL	< RL	< RL	< RL
M107a	< RL	d(*3)	< RL	< RL	n.a.
M107b	< RL	d(*3)	< RL	< RL	n.a.

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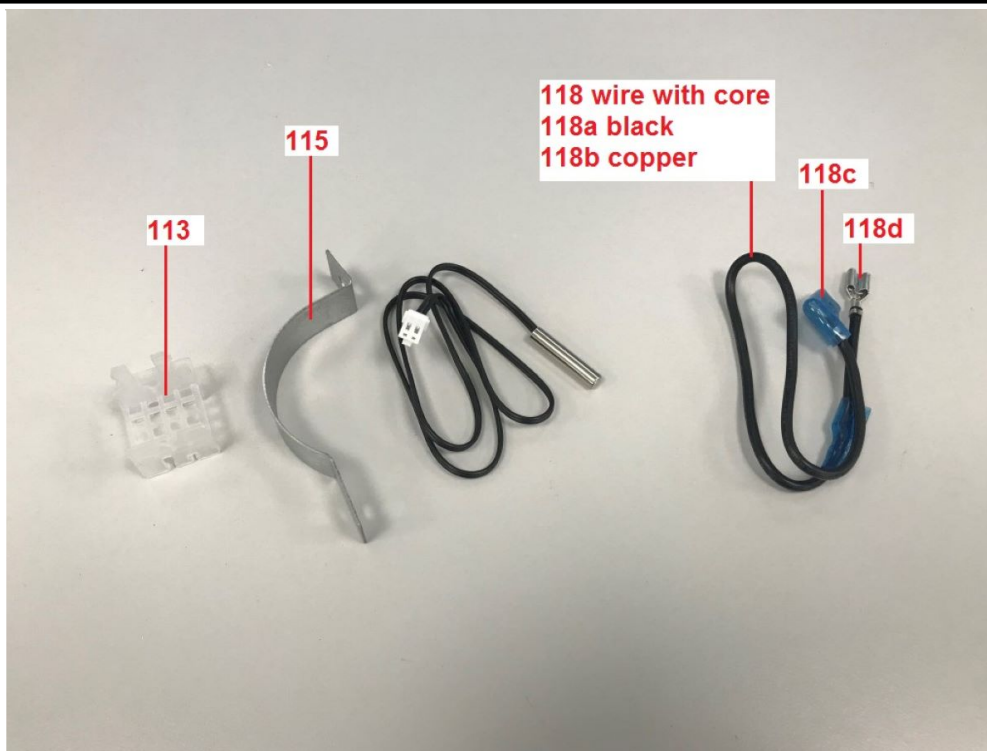
Material No.	Cd	Cr	Pb	Hg	Br
M104p	< RL	< RL	< RL	< RL	d(*2)
M104q	< RL	d(*3)	< RL	< RL	n.a.
M104r	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M112a	< RL	< RL	< RL	< RL	< RL
M112b	< RL	d(*3)	< RL	< RL	n.a.
M112c	< RL	< RL	< RL	< RL	< RL
M112d	< RL	d(*3)	< RL	< RL	n.a.
M112e	< RL	< RL	< RL	< RL	< RL
M112f	< RL	d(*3)	< RL	< RL	n.a.

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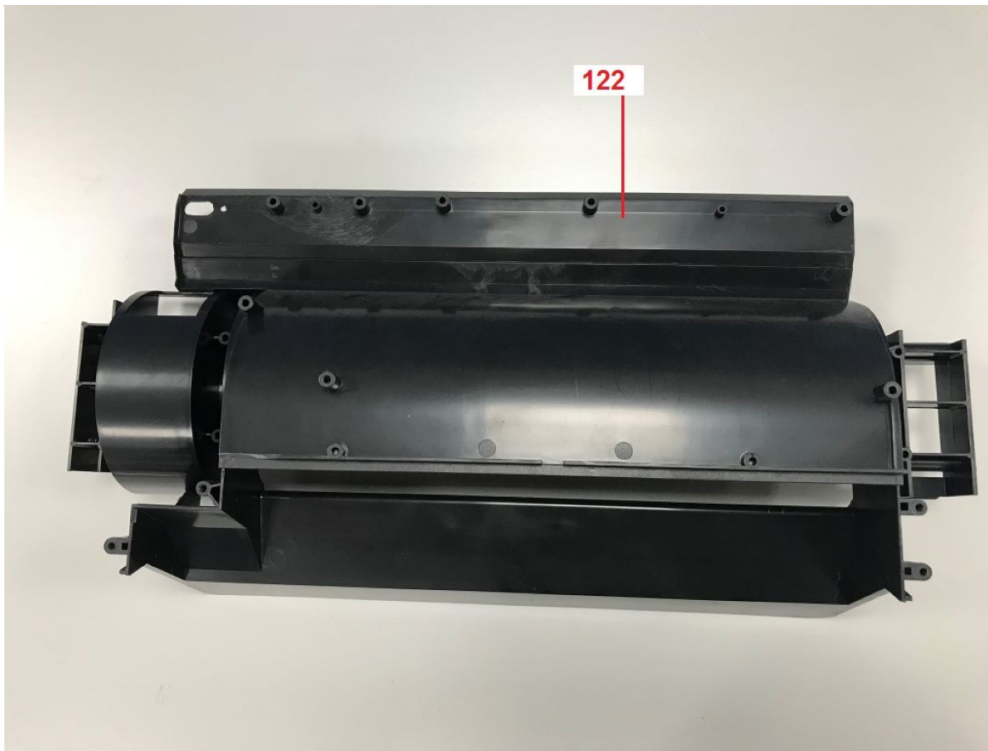
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Material No.	Cd	Cr	Pb	Hg	Br
M113	< RL	< RL	< RL	< RL	< RL
M115	< RL	d(*2)	< RL	< RL	n.a.
M118a	< RL	< RL	< RL	< RL	< RL
M118b	< RL	d(*3)	< RL	< RL	n.a.
M118c	< RL	< RL	< RL	< RL	< RL
M118d	< RL	d(*3)	< RL	< RL	n.a.

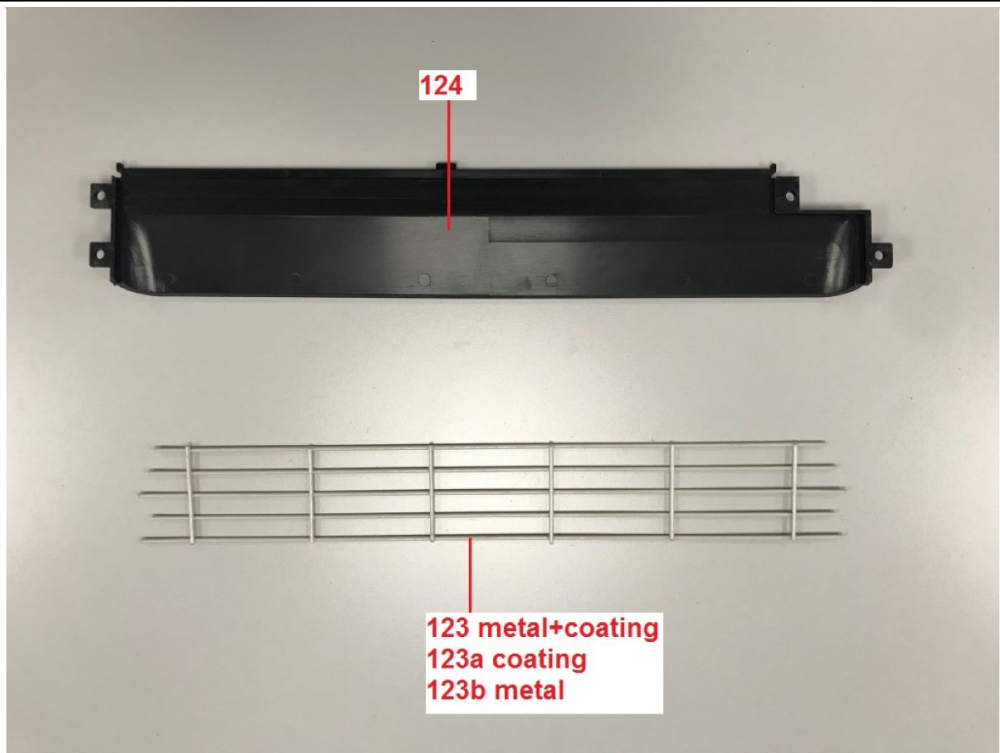
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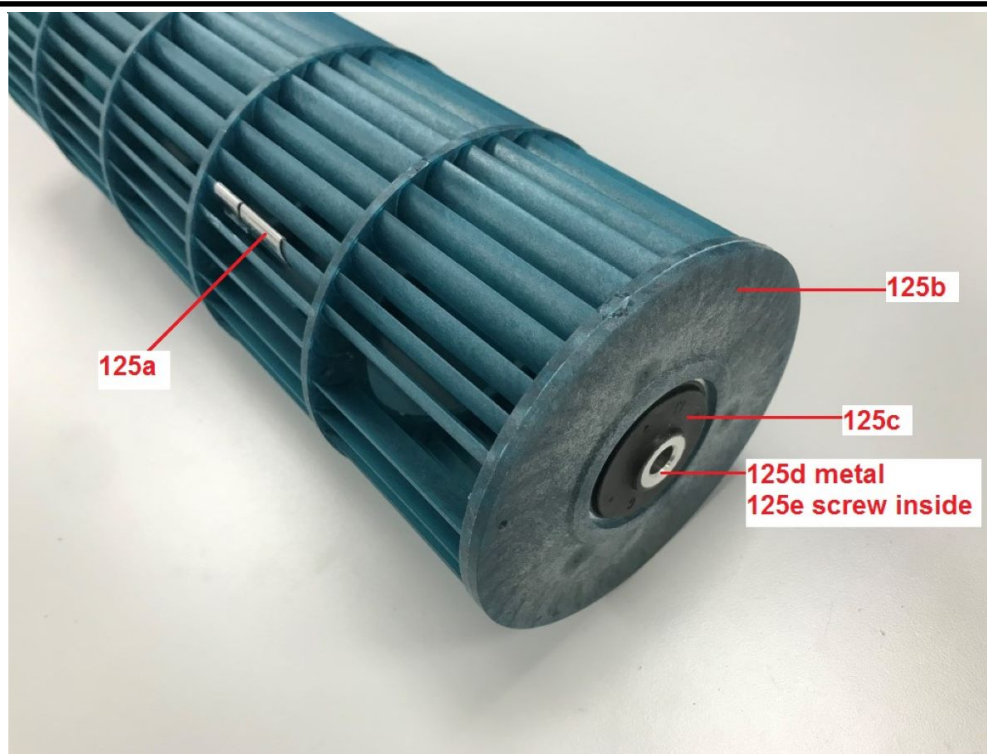


Material No.	Cd	Cr	Pb	Hg	Br
M122	< RL	< RL	< RL	< RL	d(*2)

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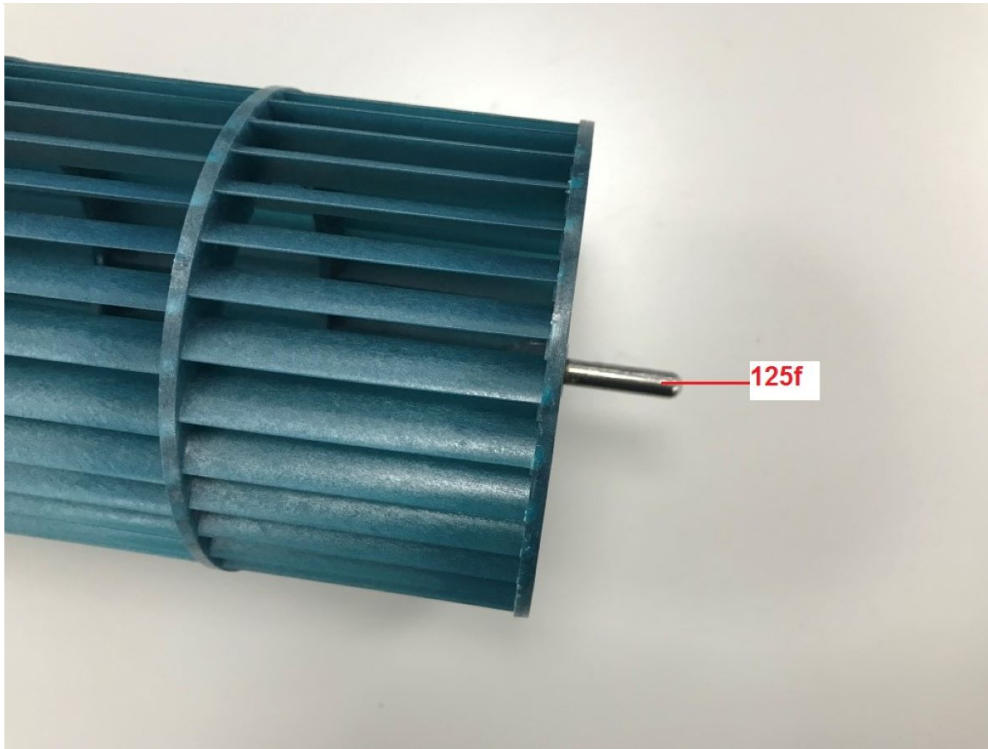
Material No.	Cd	Cr	Pb	Hg	Br
M123a	< RL	< RL	< RL	< RL	< RL
M123b	< RL	d(*3)	< RL	< RL	n.a.
M124	< RL	< RL	< RL	< RL	d(*2)



Material No.	Cd	Cr	Pb	Hg	Br
M125a	< RL	d(*2)	< RL	< RL	n.a.
M125b	< RL	< RL	< RL	< RL	< RL
M125c	< RL	< RL	< RL	< RL	< RL
M125d	< RL	d(*3)	< RL	< RL	n.a.
M125e	< RL	d(*3)	< RL	< RL	n.a.

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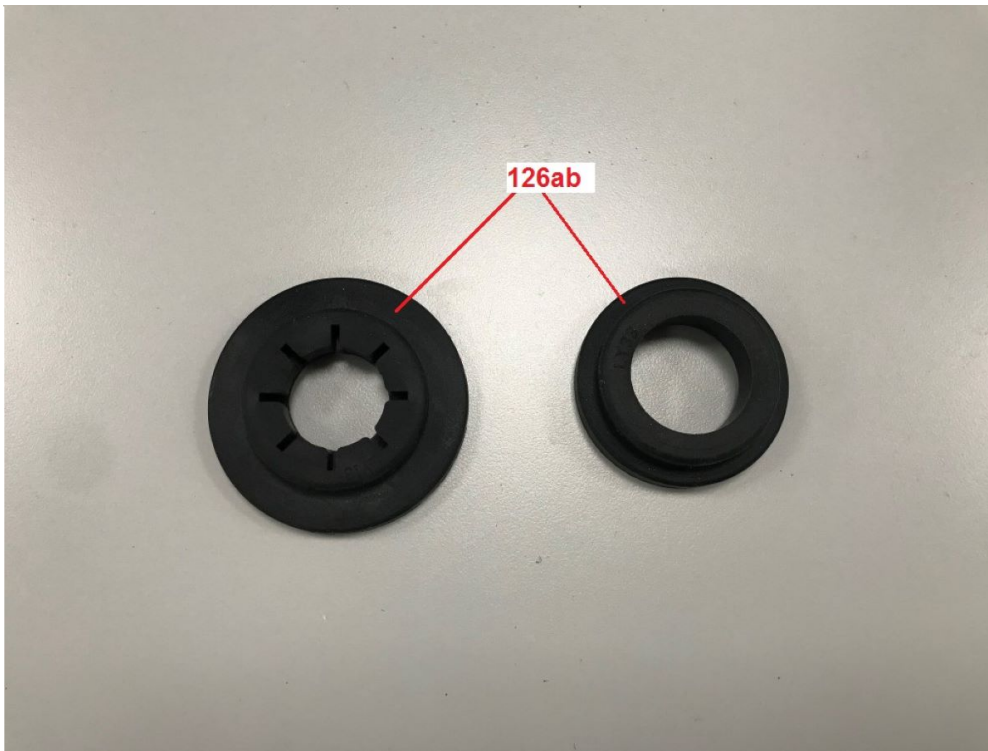
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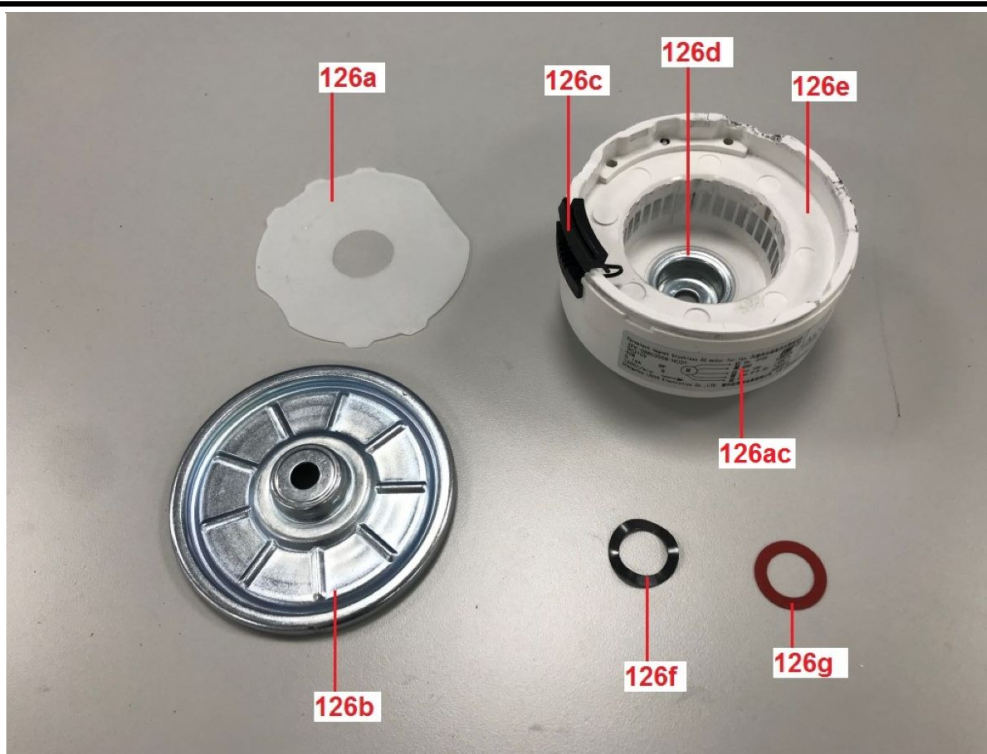
Material No.	Cd	Cr	Pb	Hg	Br
M125f	< RL	d(*2)	< RL	< RL	n.a.

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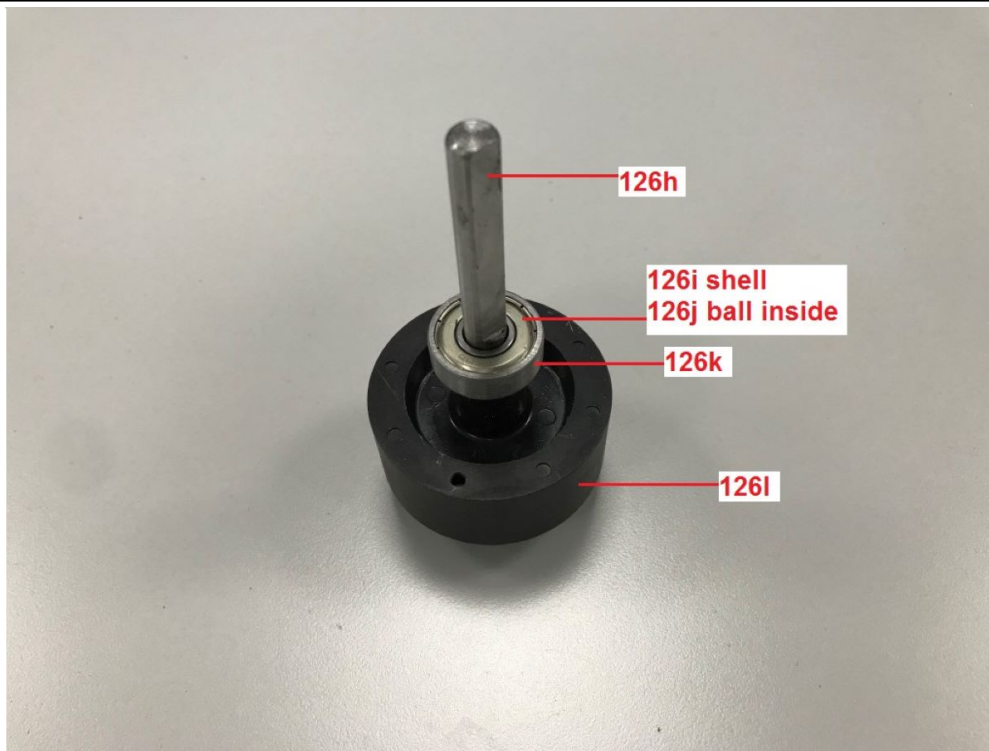
Material No.	Cd	Cr	Pb	Hg	Br
M126ab	< RL	< RL	< RL	< RL	< RL



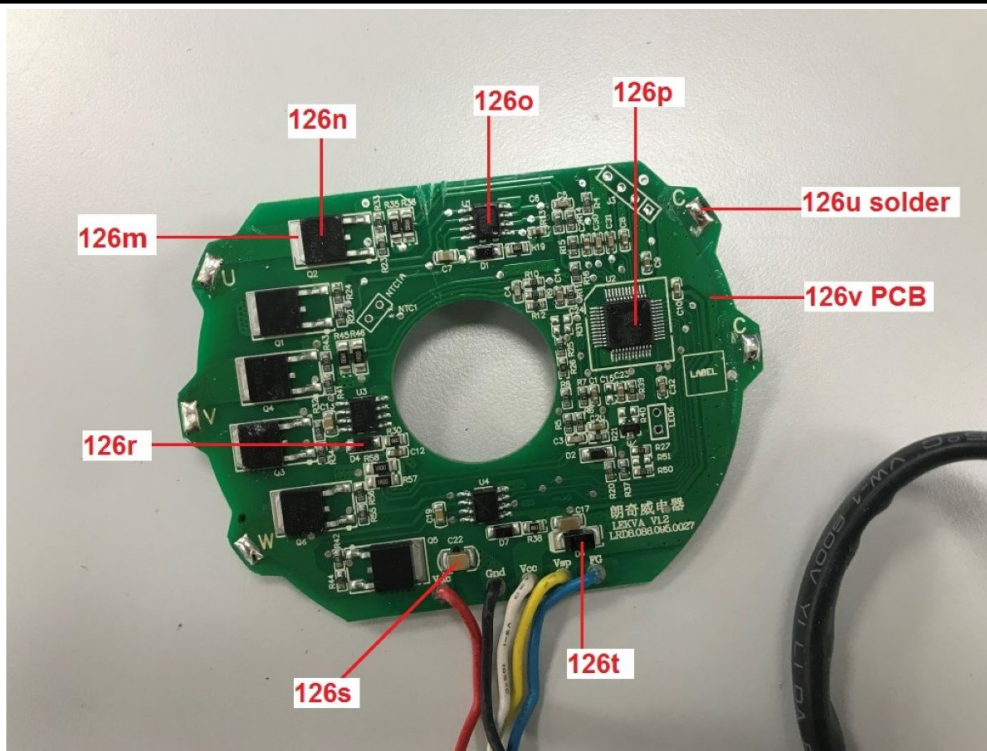
Material No.	Cd	Cr	Pb	Hg	Br
M126a	< RL	< RL	< RL	< RL	< RL
M126ac	< RL	< RL	< RL	< RL	< RL
M126b	< RL	d(*3)	< RL	< RL	n.a.
M126c	< RL	< RL	< RL	< RL	d(*2)
M126d	< RL	d(*3)	< RL	< RL	n.a.
M126e	< RL	< RL	< RL	< RL	< RL
M126f	< RL	d(*3)	< RL	< RL	n.a.
M126g	< RL	< RL	< RL	< RL	< RL

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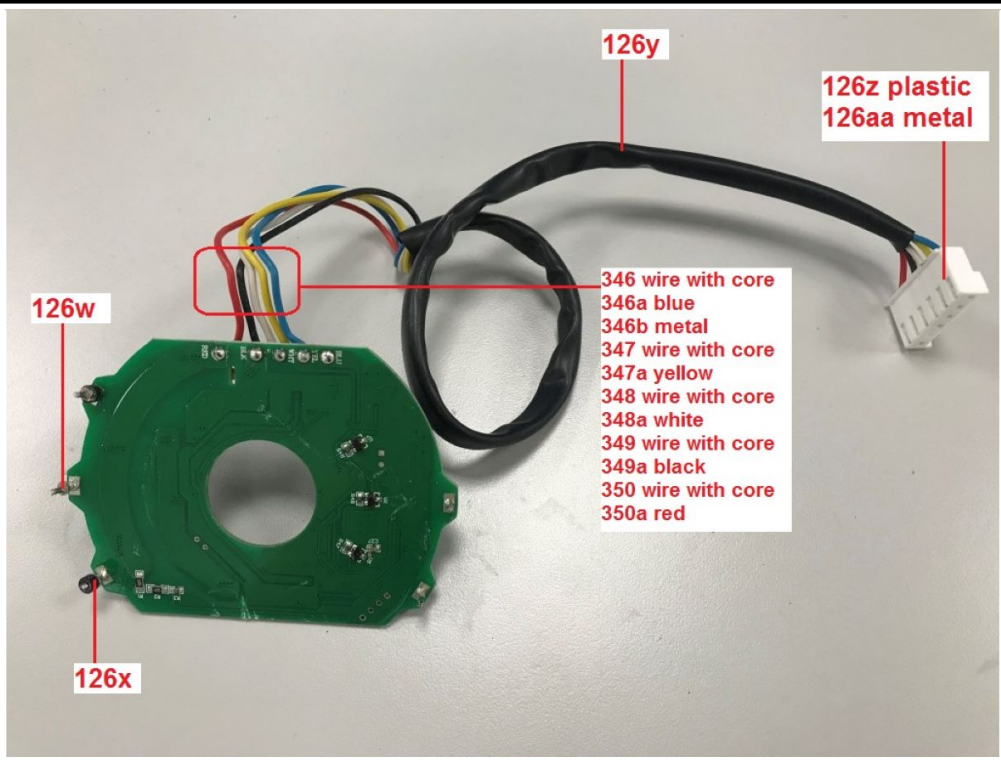


Material No.	Cd	Cr	Pb	Hg	Br
M126h	< RL	d(*3)	< RL	< RL	n.a.
M126i	< RL	d(*3)	< RL	< RL	n.a.
M126j	< RL	d(*2)	< RL	< RL	n.a.
M126k	< RL	d(*2)	< RL	< RL	n.a.
M126l	< RL	d(*3)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M126m	< RL	d(*3)	< RL	< RL	n.a.
M126n	< RL	< RL	< RL	< RL	< RL
M126o	< RL	< RL	< RL	< RL	< RL
M126p	< RL	< RL	< RL	< RL	< RL
M126r	< RL	< RL	< RL	< RL	< RL
M126s	< RL	< RL	< RL	< RL	< RL
M126t	< RL	< RL	< RL	< RL	< RL
M126u	< RL	d(*3)	< RL	< RL	n.a.
M126v	< RL	< RL	< RL	< RL	d(*2)

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Material No.	Cd	Cr	Pb	Hg	Br
M126aa	< RL	d(*3)	< RL	< RL	n.a.
M126w	< RL	d(*3)	< RL	< RL	n.a.
M126x	< RL	< RL	< RL	< RL	< RL
M126y	< RL	< RL	< RL	< RL	< RL
M126z	< RL	< RL	< RL	< RL	< RL
M346a	< RL	< RL	< RL	< RL	< RL
M346b	< RL	d(*3)	< RL	< RL	n.a.
M347a	< RL	< RL	< RL	< RL	< RL
M348a	< RL	< RL	< RL	< RL	< RL
M349a	< RL	< RL	< RL	< RL	< RL
M350a	< RL	< RL	< RL	< RL	< RL

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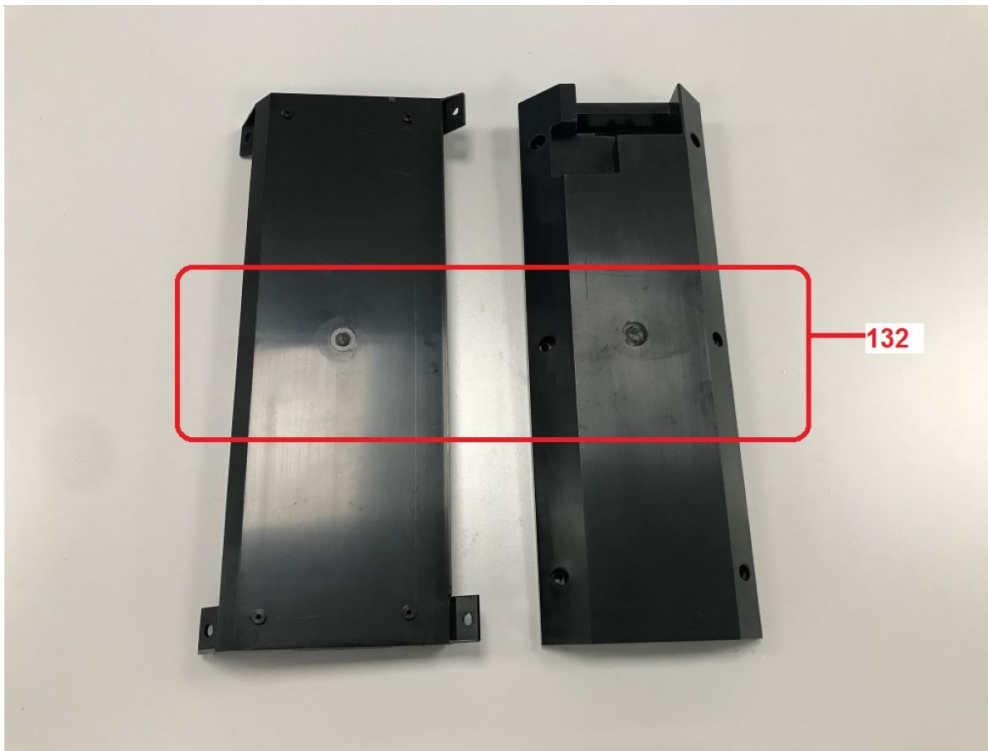
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Material No.	Cd	Cr	Pb	Hg	Br
M127	< RL	< RL	< RL	< RL	d(*2)
M128	< RL	< RL	< RL	< RL	< RL
M129	< RL	< RL	< RL	< RL	< RL

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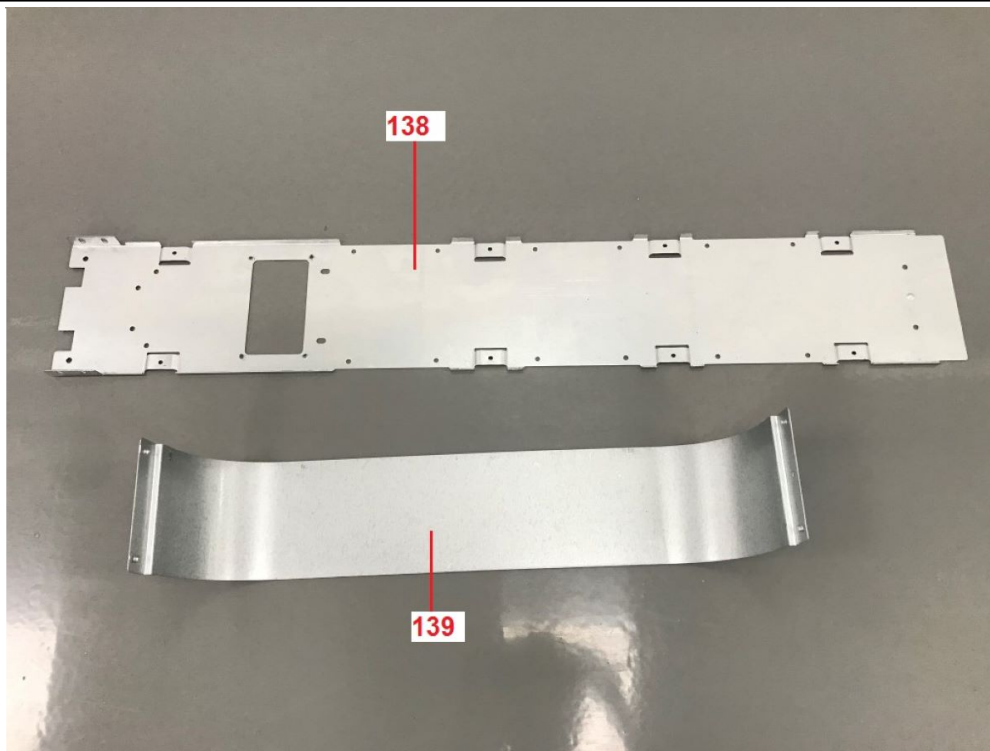
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Material No.	Cd	Cr	Pb	Hg	Br
M132	< RL	< RL	< RL	< RL	d(*2)

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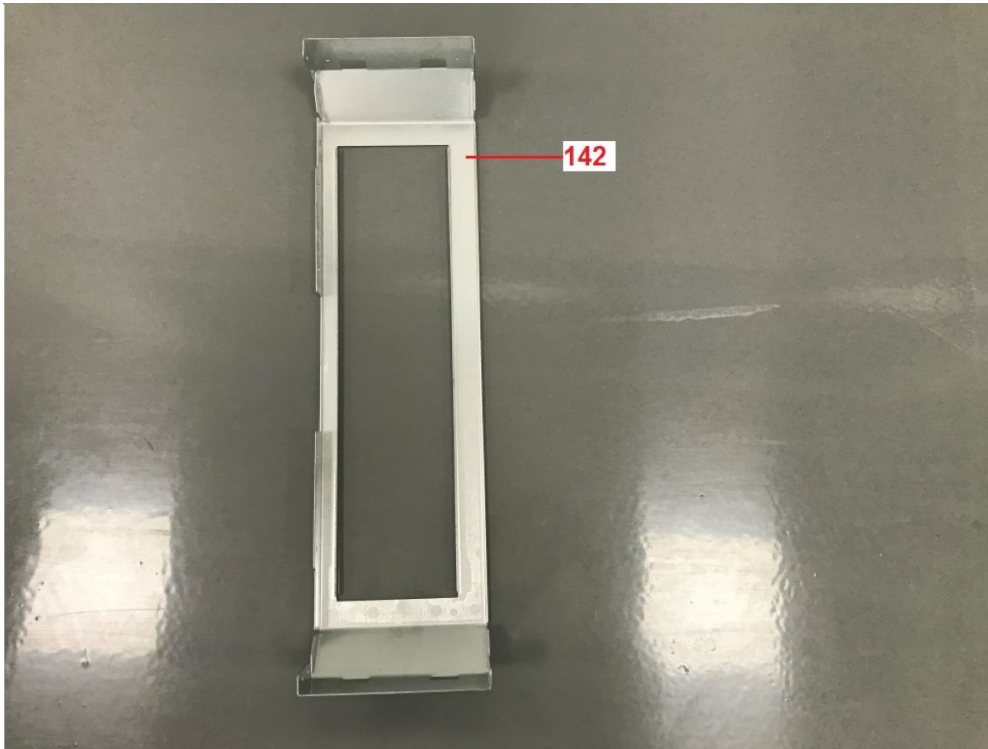
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Material No.	Cd	Cr	Pb	Hg	Br
M138	< RL	d(*3)	< RL	< RL	n.a.
M139	< RL	d(*3)	< RL	< RL	n.a.

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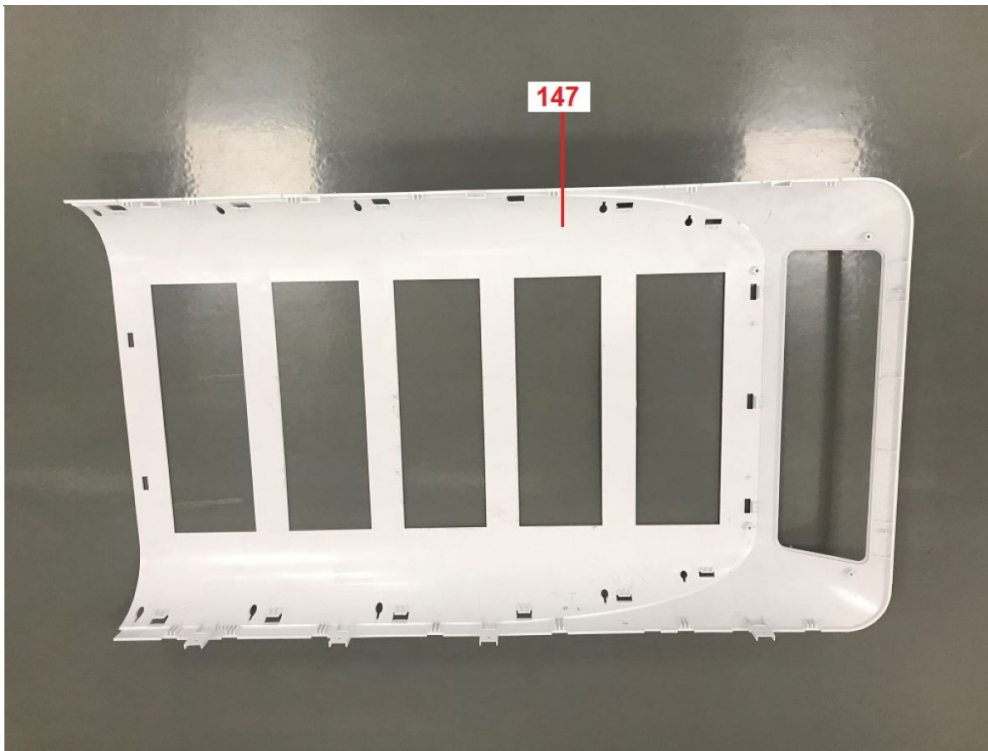
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Material No.	Cd	Cr	Pb	Hg	Br
M142	< RL	d(*3)	< RL	< RL	n.a.

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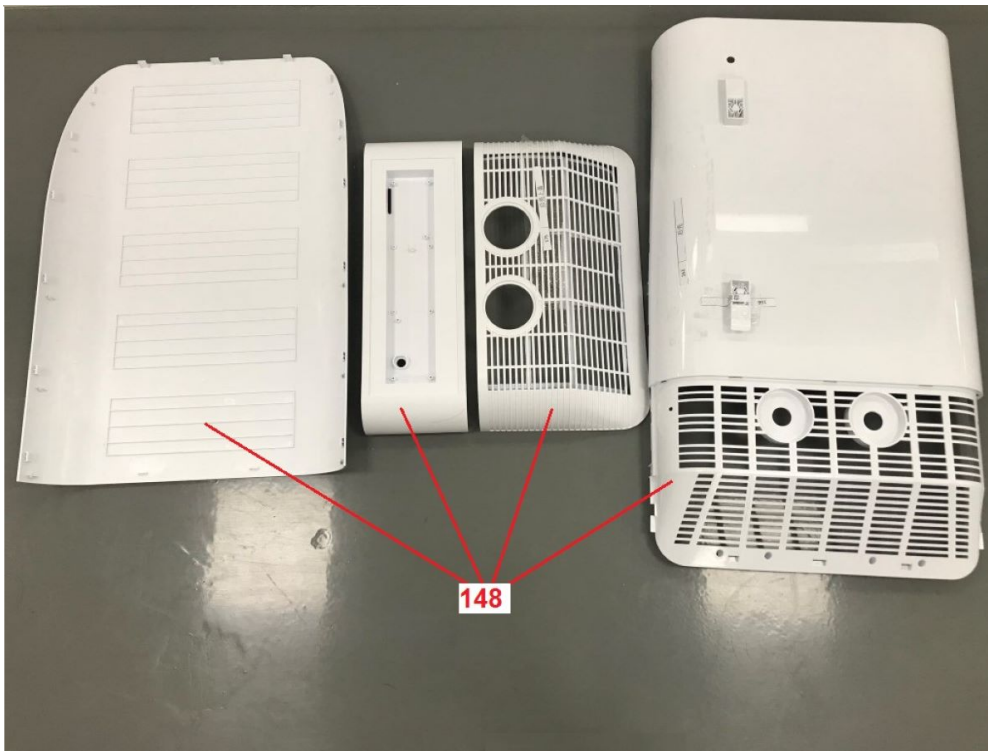
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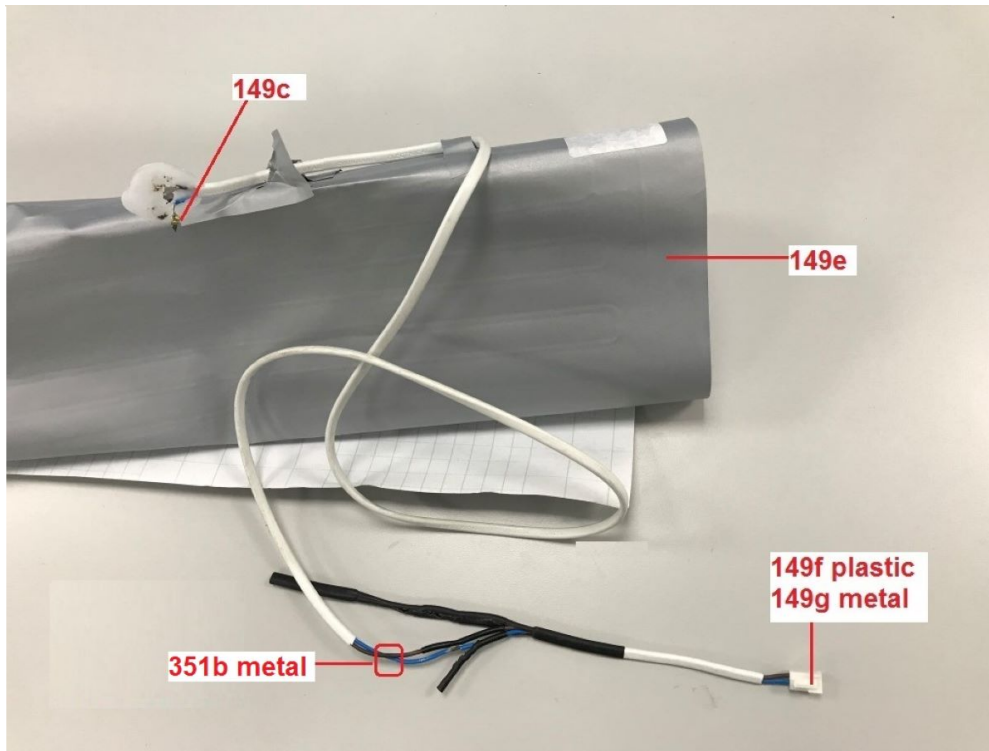
Material No.	Cd	Cr	Pb	Hg	Br
M147	< RL	< RL	< RL	< RL	< RL

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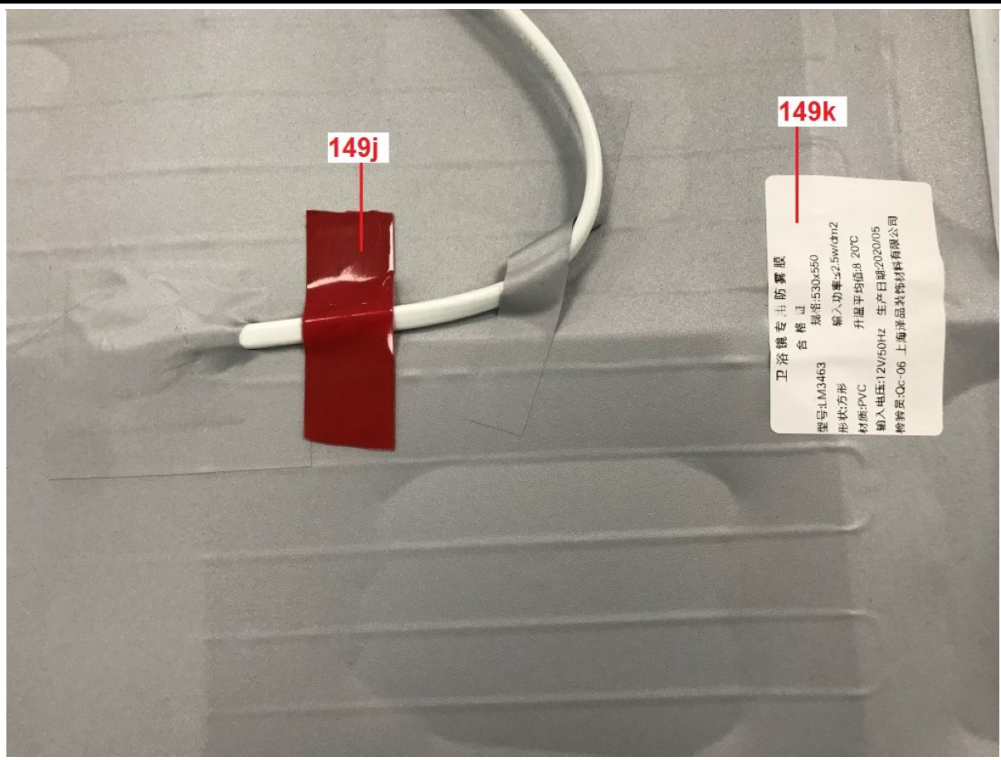


Material No.	Cd	Cr	Pb	Hg	Br
M148	< RL	< RL	< RL	< RL	< RL

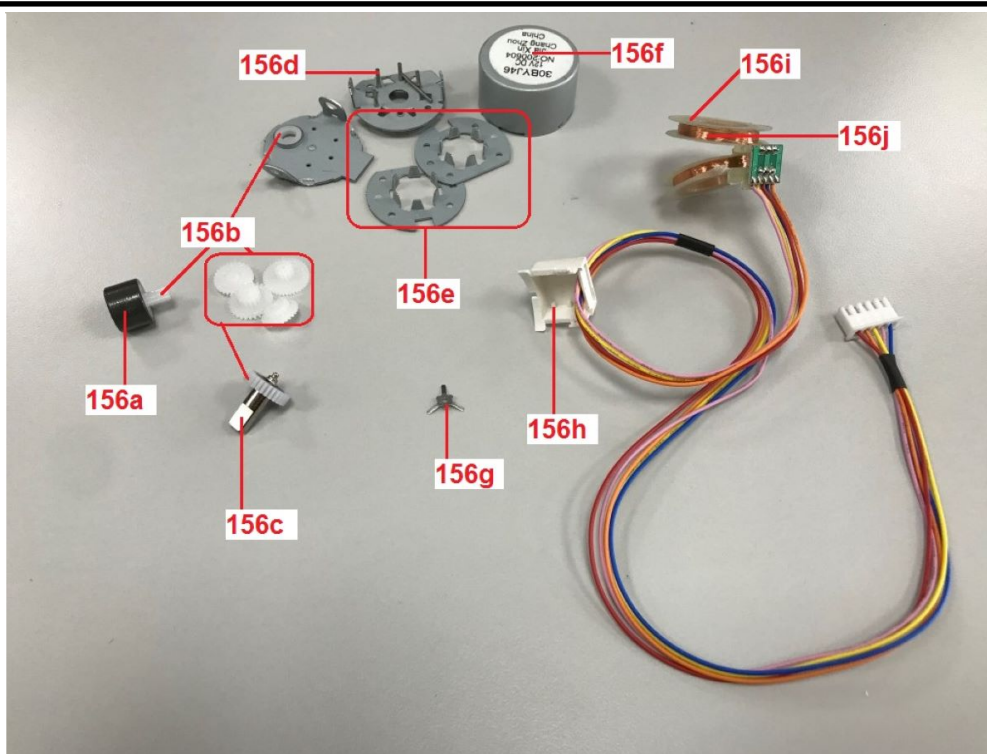


Material No.	Cd	Cr	Pb	Hg	Br
M149c	< RL	d(*3)	< RL	< RL	n.a.
M149e	< RL	< RL	< RL	< RL	< RL
M149f	< RL	< RL	< RL	< RL	< RL
M149g	< RL	d(*3)	< RL	< RL	n.a.
M351b	< RL	d(*3)	< RL	< RL	n.a.

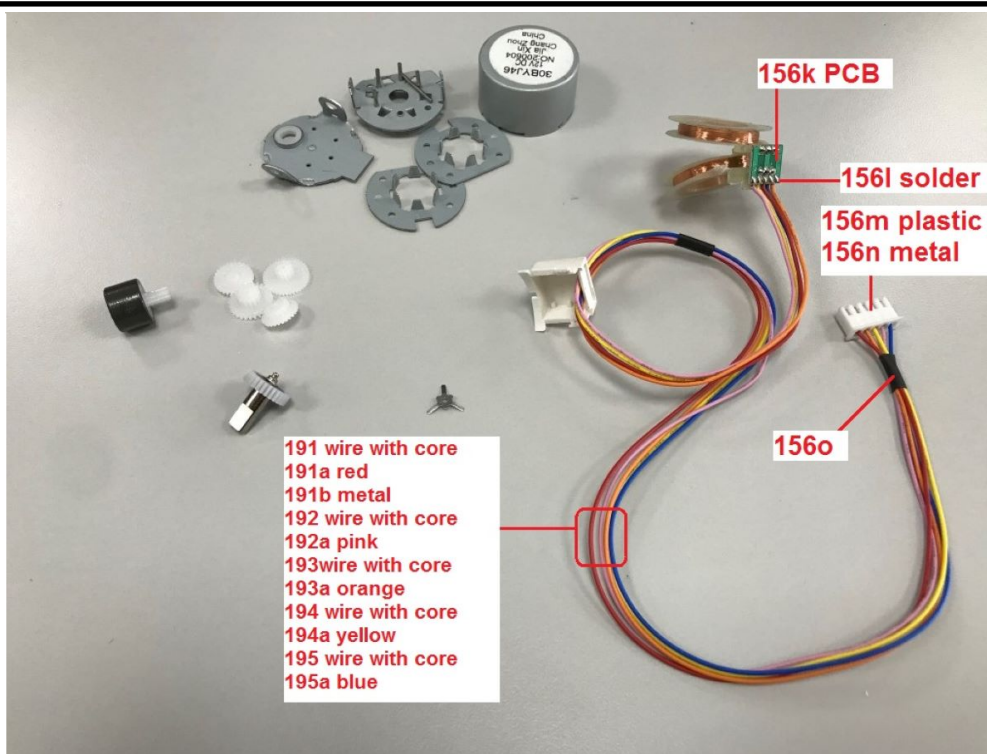
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Material No.	Cd	Cr	Pb	Hg	Br
M149j	< RL	< RL	< RL	< RL	< RL
M149k	< RL	< RL	< RL	< RL	< RL

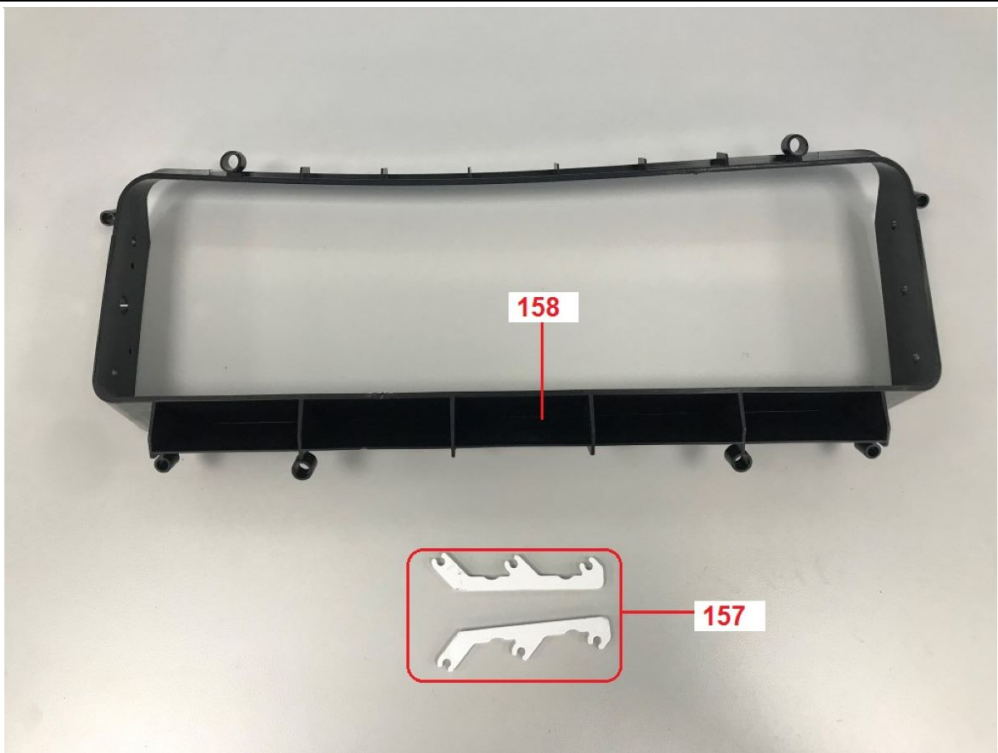


Material No.	Cd	Cr	Pb	Hg	Br
M156a	< RL	d(*3)	< RL	< RL	n.a.
M156b	< RL	< RL	< RL	< RL	< RL
M156c	< RL	d(*3)	< RL	< RL	n.a.
M156d	< RL	d(*2)	< RL	< RL	n.a.
M156e	< RL	d(*3)	< RL	< RL	n.a.
M156f	< RL	< RL	< RL	< RL	< RL
M156g	< RL	d(*2)	< RL	< RL	n.a.
M156h	< RL	< RL	< RL	< RL	d(*2)
M156i	< RL	< RL	< RL	< RL	< RL
M156j	< RL	d(*3)	< RL	< RL	n.a.

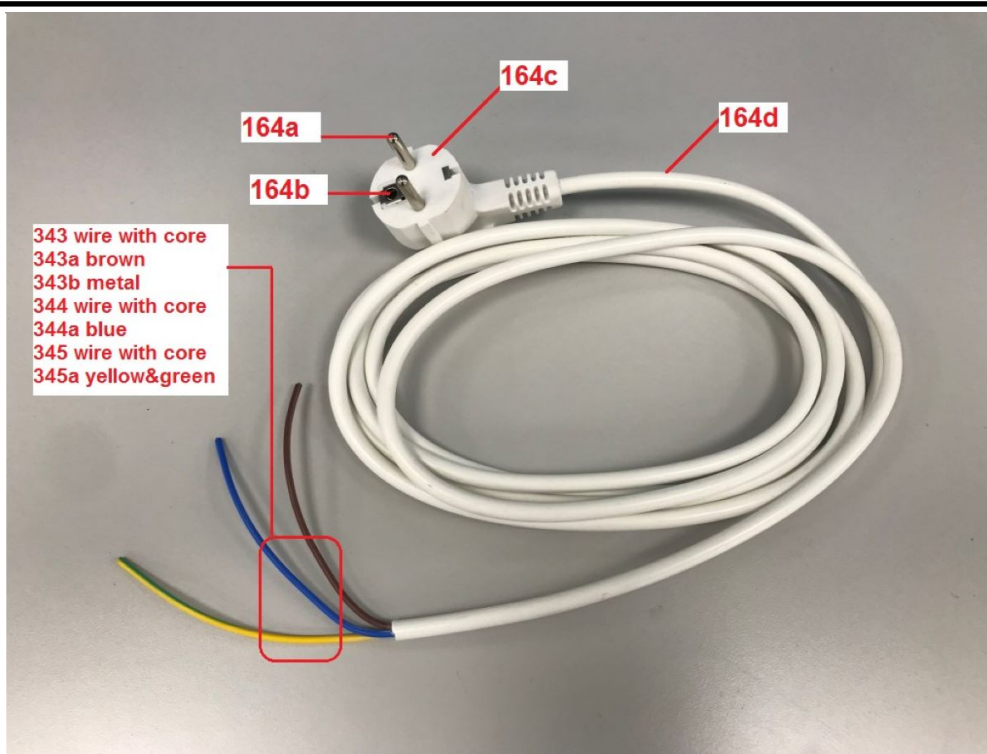


Material No.	Cd	Cr	Pb	Hg	Br
M156k	< RL	< RL	< RL	< RL	d(*2)
M156l	< RL	d(*3)	< RL	< RL	n.a.
M156m	< RL	< RL	< RL	< RL	< RL
M156n	< RL	d(*3)	< RL	< RL	n.a.
M156o	< RL	< RL	< RL	< RL	< RL
M191a	< RL	< RL	< RL	< RL	< RL
M191b	< RL	d(*3)	< RL	< RL	n.a.
M192a	< RL	< RL	< RL	< RL	< RL
M193a	< RL	< RL	< RL	< RL	< RL
M194a	< RL	< RL	< RL	< RL	< RL
M195a	< RL	< RL	< RL	< RL	< RL

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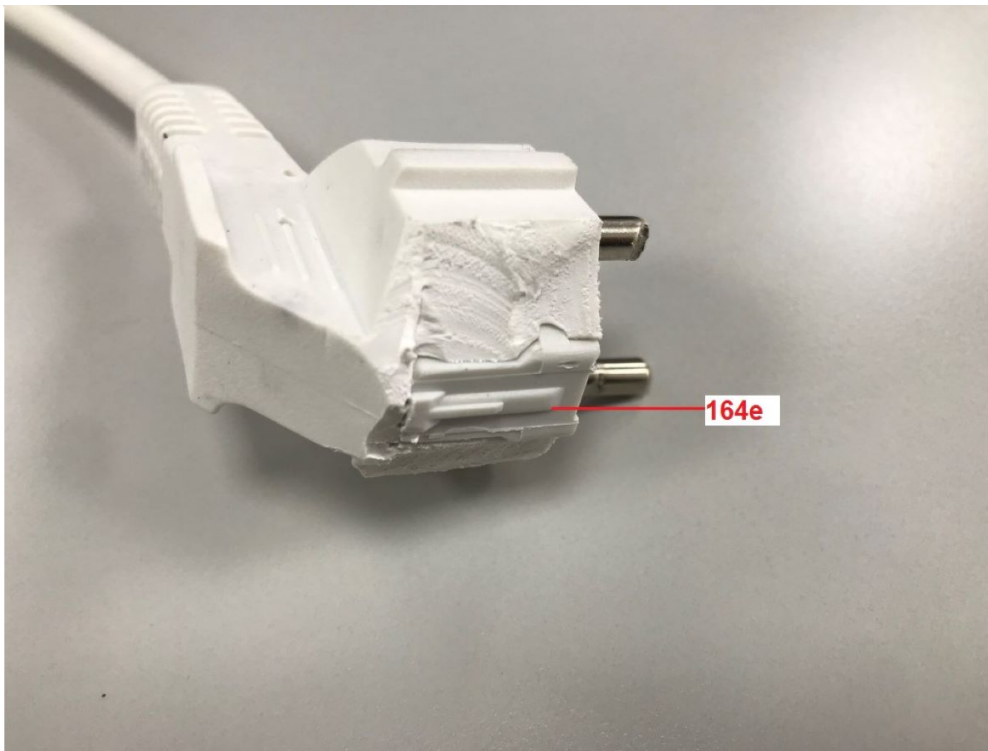
Material No.	Cd	Cr	Pb	Hg	Br
M157	< RL	< RL	< RL	< RL	< RL
M158	< RL	< RL	< RL	< RL	d(*2)



Material No.	Cd	Cr	Pb	Hg	Br
M164a	< RL	d(*3)	< RL	< RL	n.a.
M164b	< RL	d(*3)	< RL	< RL	n.a.
M164c	< RL	< RL	< RL	< RL	< RL
M164d	< RL	< RL	< RL	< RL	< RL
M343a	< RL	< RL	< RL	< RL	< RL
M343b	< RL	d(*3)	< RL	< RL	n.a.
M344a	< RL	< RL	< RL	< RL	< RL
M345a	< RL	< RL	< RL	< RL	< RL

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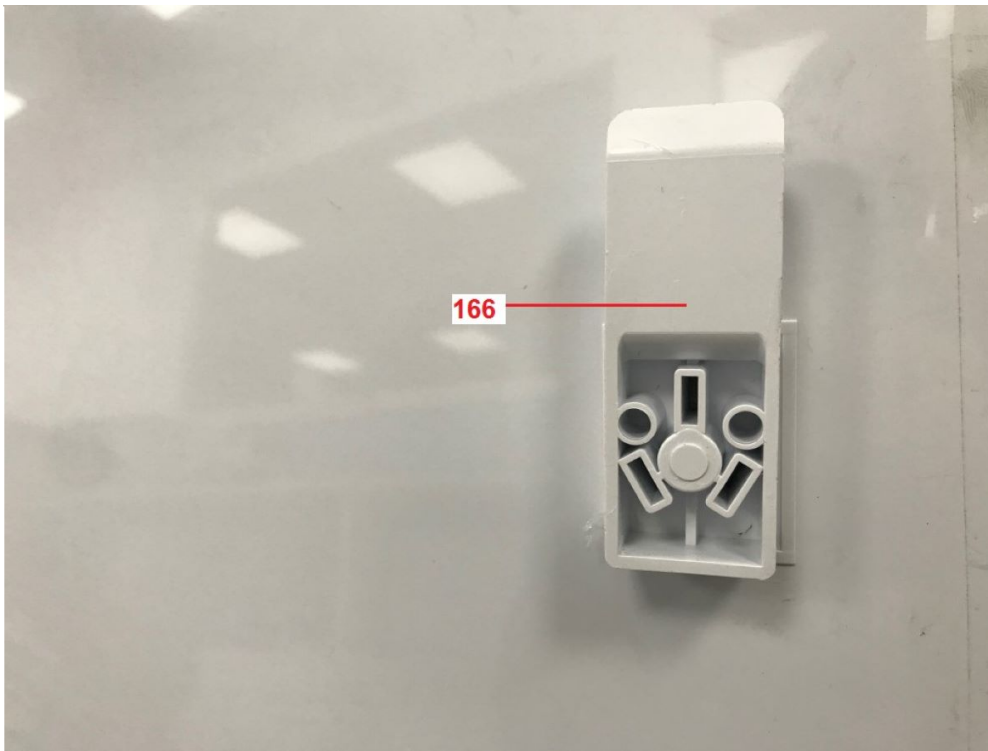
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Material No.	Cd	Cr	Pb	Hg	Br
M164e	< RL	< RL	< RL	< RL	d(*2)

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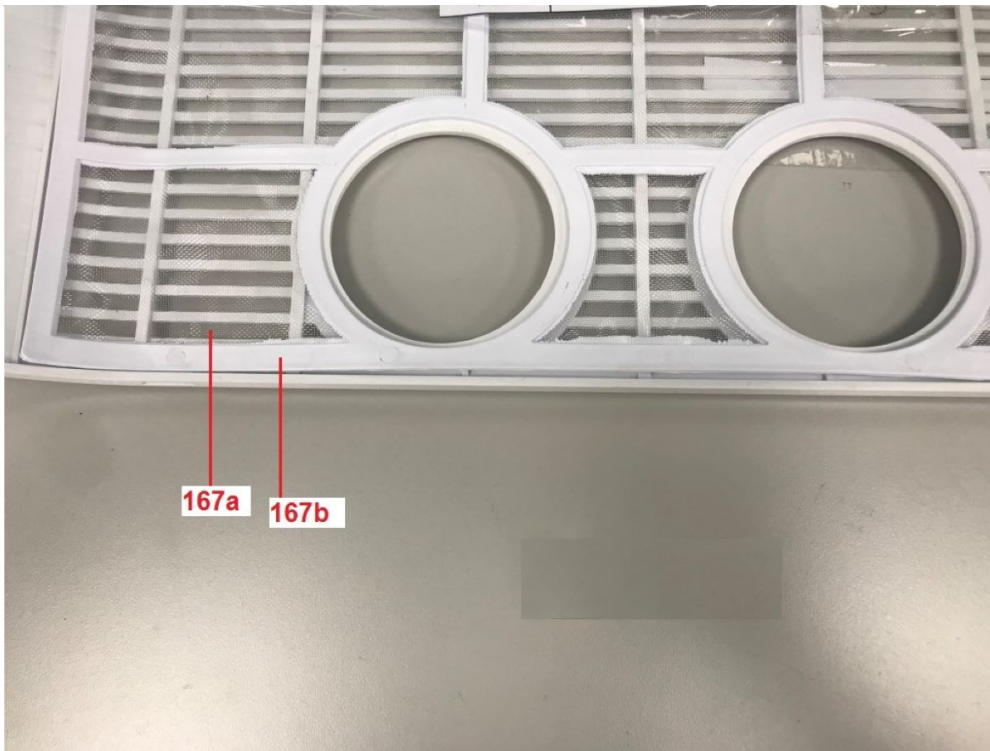
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Material No.	Cd	Cr	Pb	Hg	Br
M166	< RL	< RL	< RL	< RL	< RL

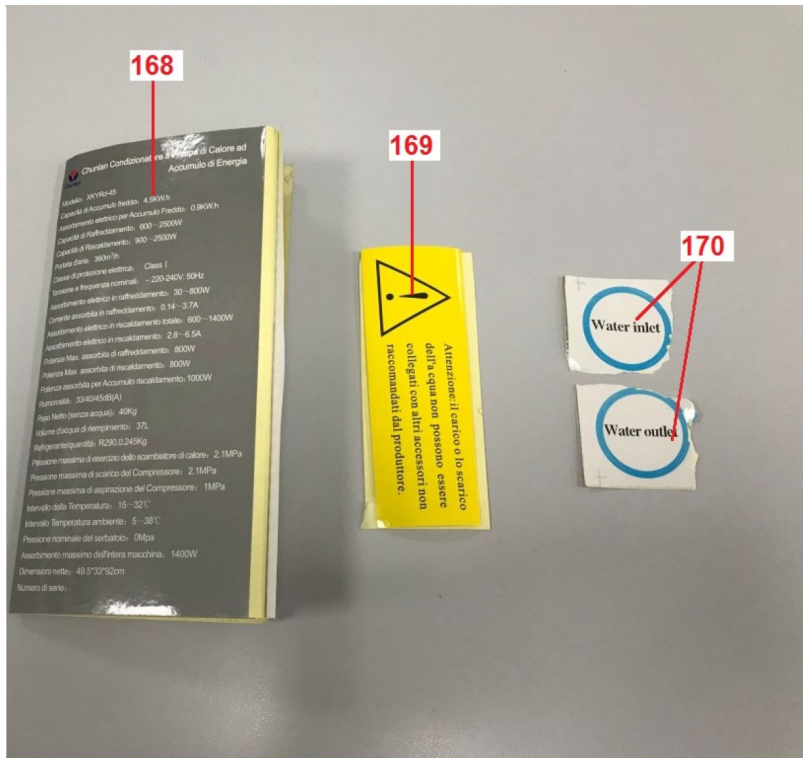
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Material No.	Cd	Cr	Pb	Hg	Br
M167a	< RL	< RL	< RL	< RL	< RL
M167b	< RL	< RL	< RL	< RL	< RL

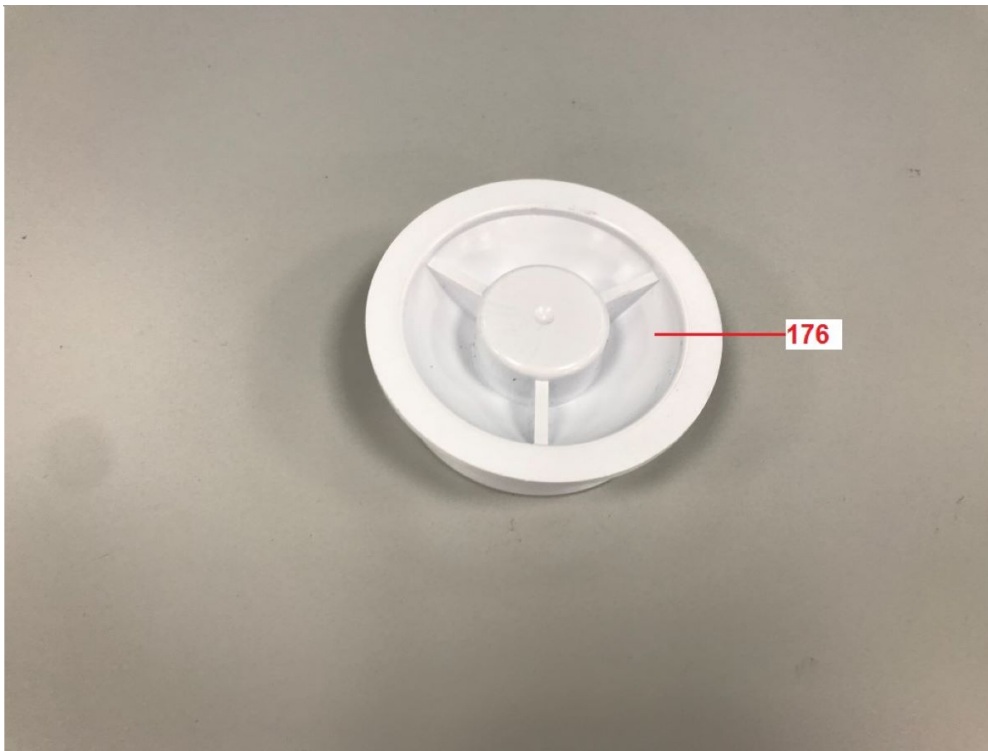
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Material No.	Cd	Cr	Pb	Hg	Br
M168	< RL	< RL	< RL	< RL	< RL
M169	< RL	< RL	< RL	< RL	< RL
M170	< RL	< RL	< RL	< RL	< RL

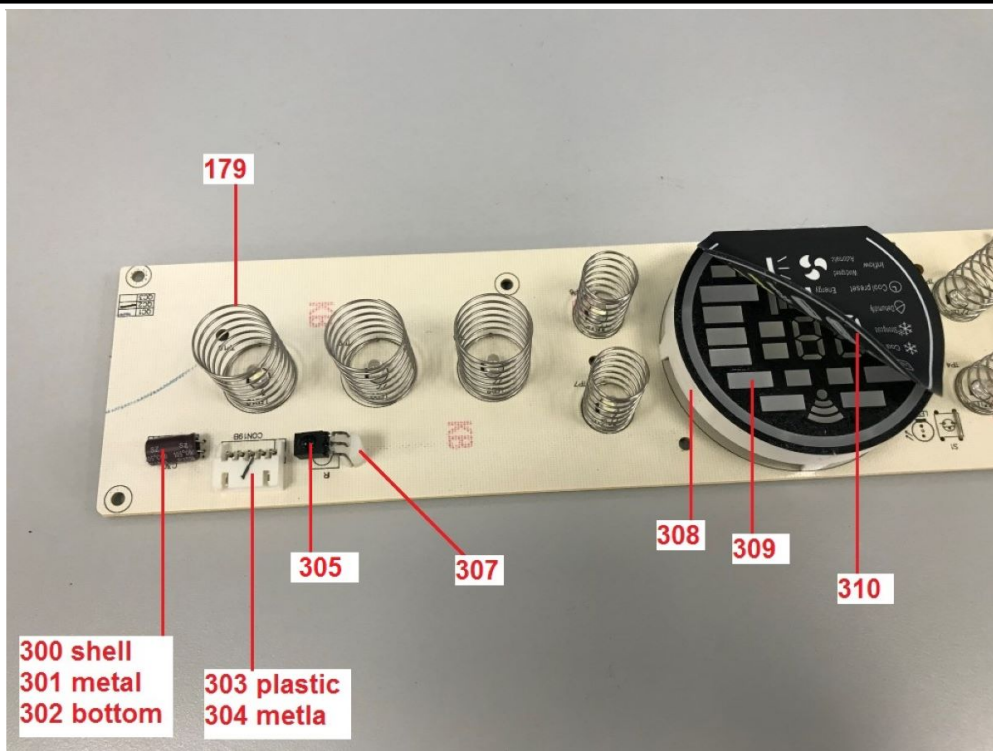
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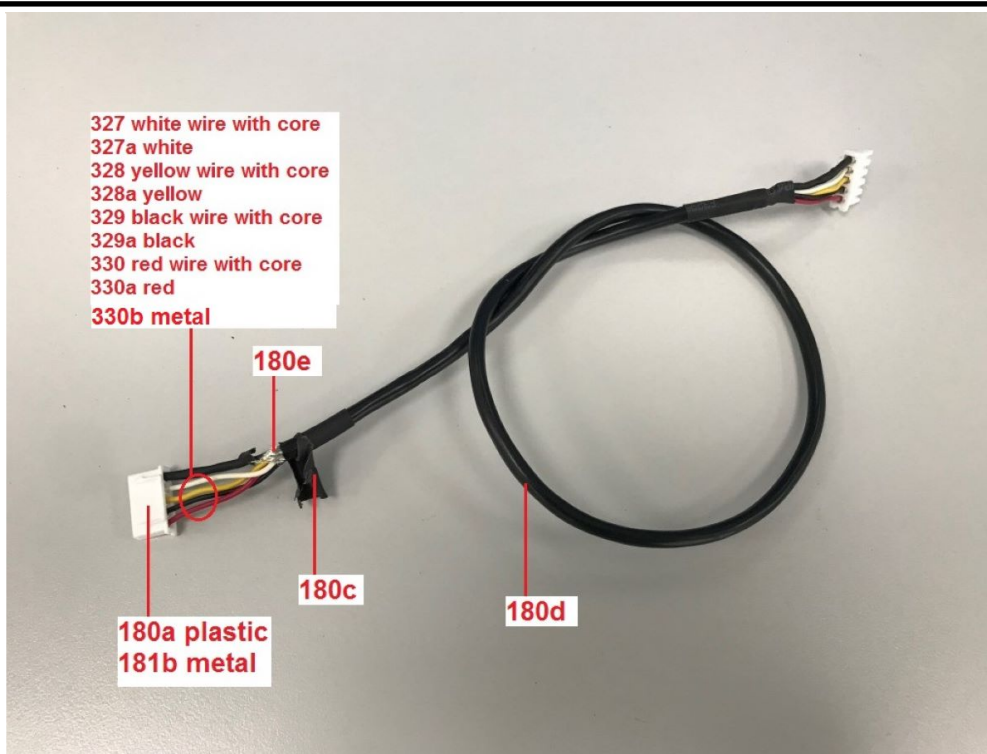


Material No.	Cd	Cr	Pb	Hg	Br
M176	< RL	< RL	< RL	< RL	< RL

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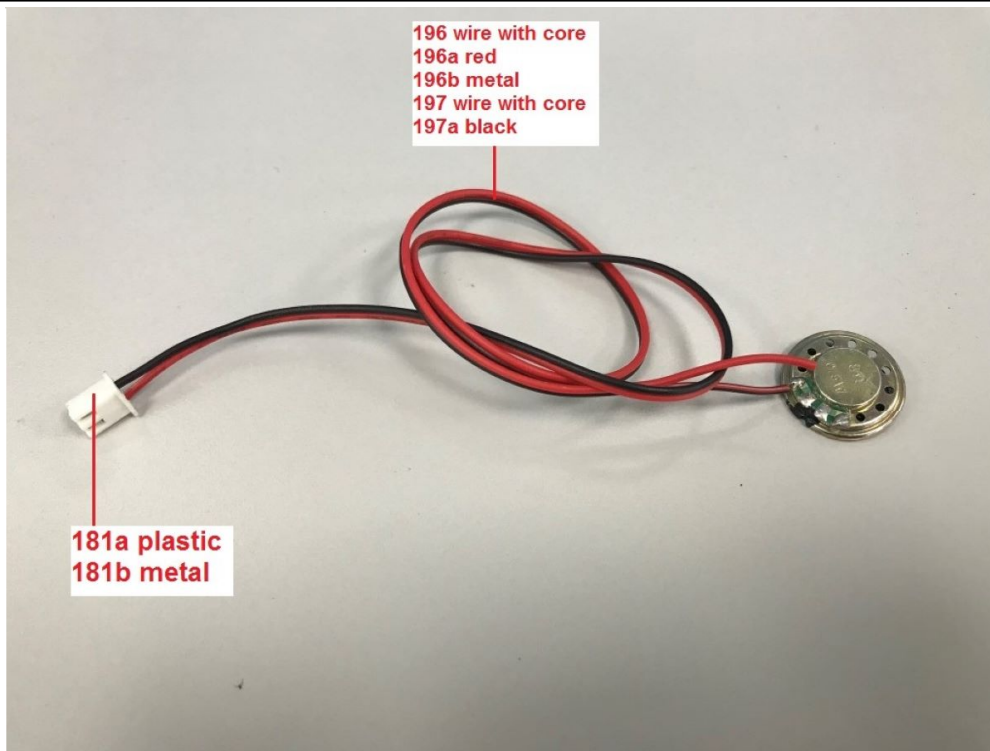
Material No.	Cd	Cr	Pb	Hg	Br
M179	< RL	d(*3)	< RL	< RL	n.a.
M300	< RL	d(*3)	< RL	< RL	n.a.
M301	< RL	< RL	< RL	< RL	< RL
M302	< RL	< RL	< RL	< RL	< RL
M303	< RL	< RL	< RL	< RL	< RL
M304	< RL	d(*3)	< RL	< RL	n.a.
M305	< RL	< RL	< RL	< RL	d(*2)
M307	< RL	< RL	< RL	< RL	< RL
M308	< RL	< RL	< RL	< RL	< RL
M309	< RL	< RL	< RL	< RL	d(*2)
M310	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M180a	< RL	< RL	< RL	< RL	< RL
M180b	< RL	d(*3)	< RL	< RL	n.a.
M180c	< RL	< RL	< RL	< RL	< RL
M180d	< RL	< RL	< RL	< RL	< RL
M327a	< RL	< RL	< RL	< RL	< RL
M328a	< RL	< RL	< RL	< RL	< RL
M329a	< RL	< RL	< RL	< RL	< RL
M330a	< RL	< RL	< RL	< RL	< RL
M330b	< RL	d(*3)	< RL	< RL	n.a.

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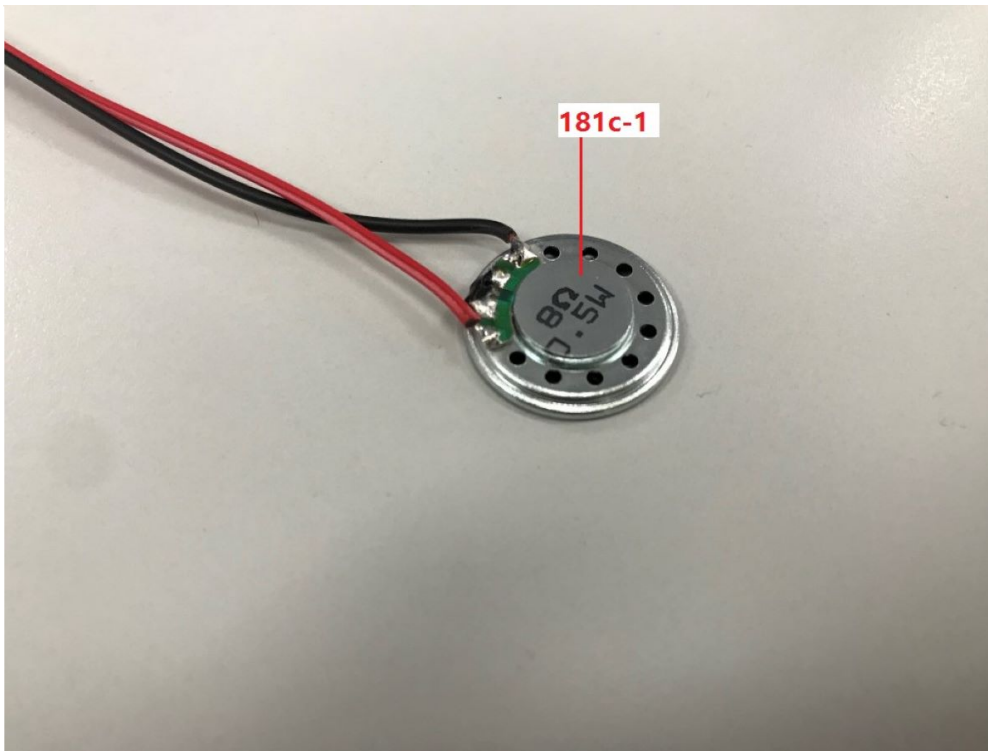
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Material No.	Cd	Cr	Pb	Hg	Br
M181a	< RL	< RL	< RL	< RL	< RL
M181b	< RL	d(*3)	< RL	< RL	n.a.
M196a	< RL	< RL	< RL	< RL	< RL
M196b	< RL	d(*3)	< RL	< RL	n.a.
M197a	< RL	< RL	< RL	< RL	< RL

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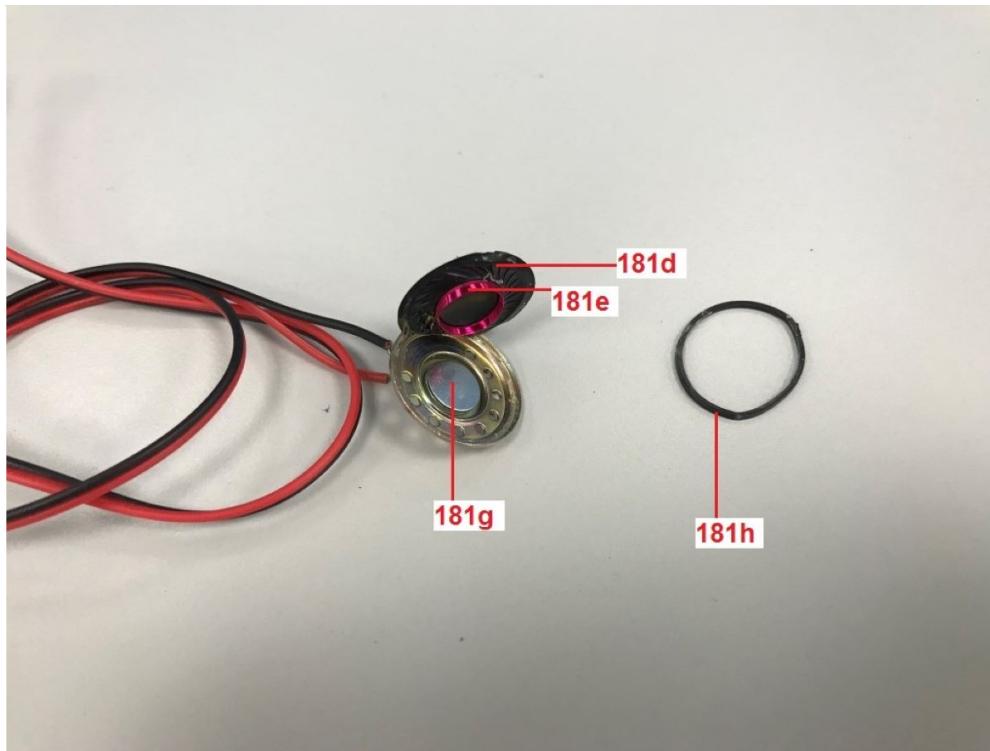
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Material No.	Cd	Cr	Pb	Hg	Br
M181c-1	< RL	d(*3)	< RL	< RL	n.a.

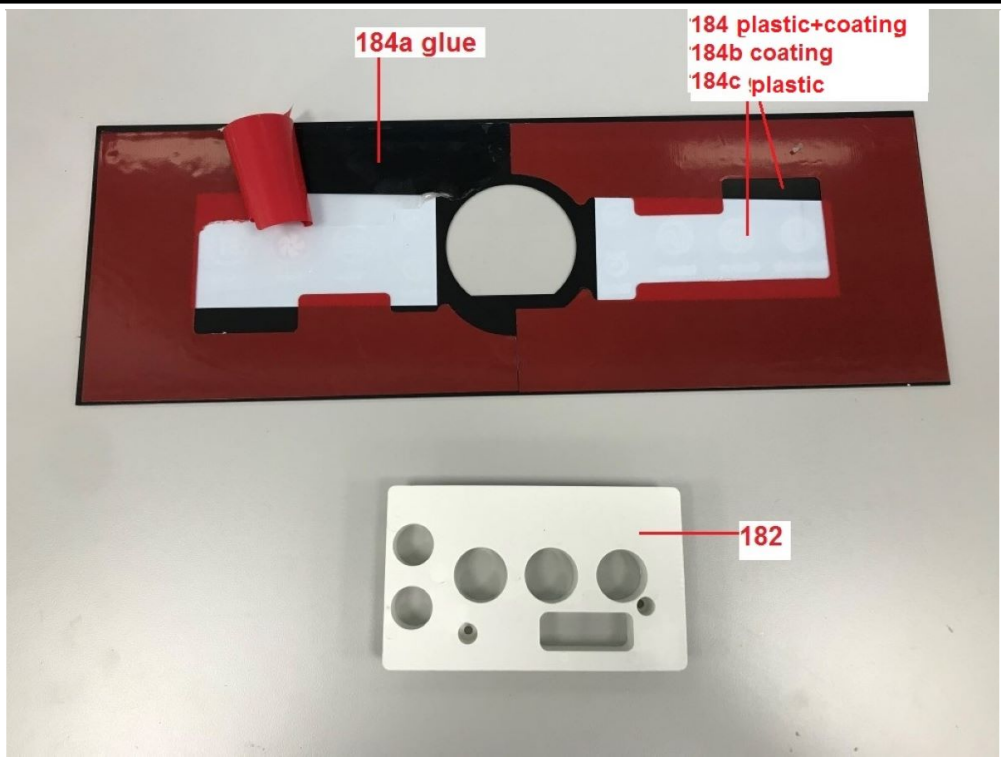
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Material No.	Cd	Cr	Pb	Hg	Br
M181d	< RL	< RL	< RL	< RL	< RL
M181e	< RL	d(*3)	< RL	< RL	n.a.
M181g	< RL	d(*3)	< RL	< RL	n.a.
M181h	< RL	< RL	< RL	< RL	< RL

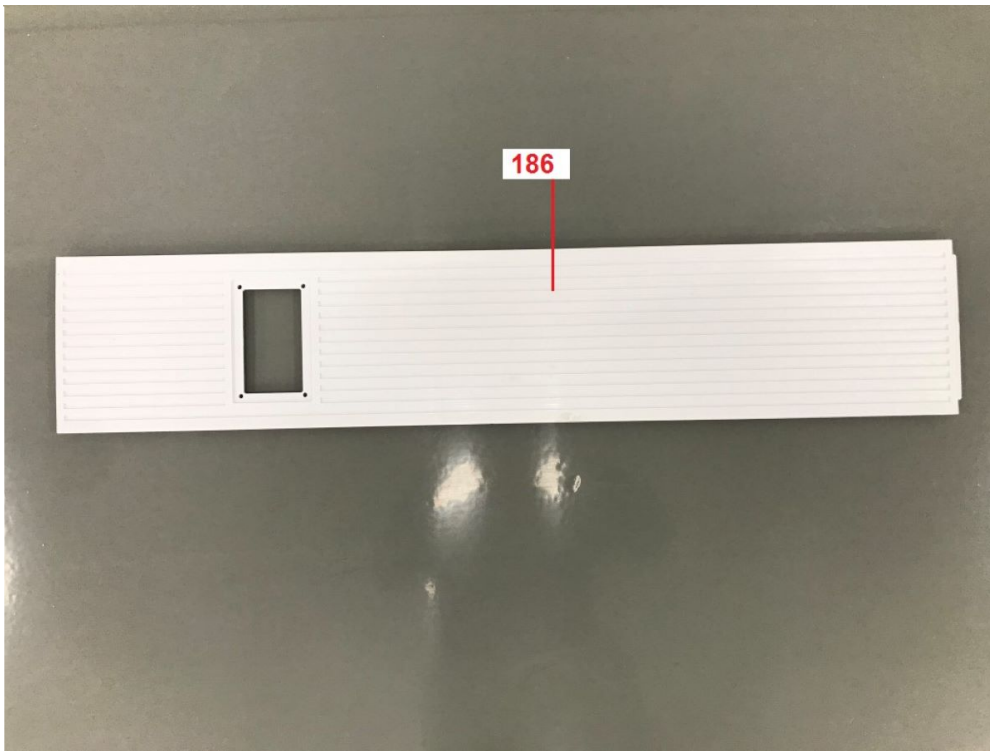
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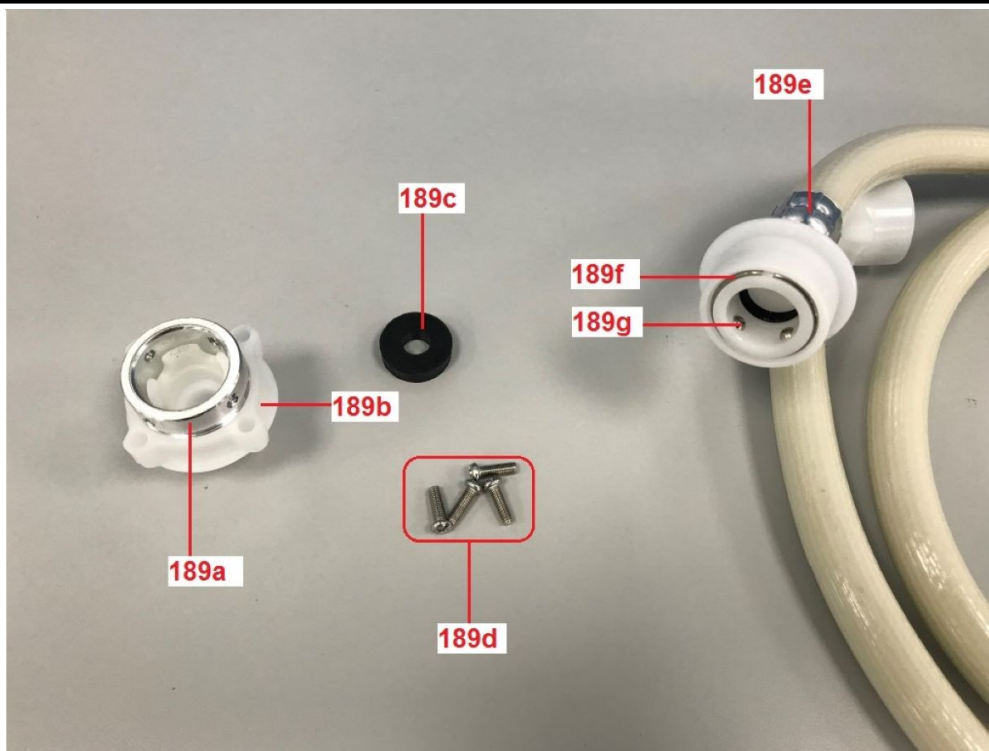
Material No.	Cd	Cr	Pb	Hg	Br
M182	< RL	< RL	< RL	< RL	< RL
M184a	< RL	< RL	< RL	< RL	< RL
M184b	< RL	< RL	< RL	< RL	< RL
M184c	< RL	< RL	< RL	< RL	< RL

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Material No.	Cd	Cr	Pb	Hg	Br
M186	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M189a	< RL	d(*3)	< RL	< RL	n.a.
M189b	< RL	< RL	< RL	< RL	< RL
M189c	< RL	< RL	< RL	< RL	< RL
M189d	< RL	d(*2)	< RL	< RL	n.a.
M189e	< RL	d(*3)	< RL	< RL	n.a.
M189f	< RL	d(*2)	< RL	< RL	n.a.
M189g	< RL	d(*3)	< RL	< RL	n.a.

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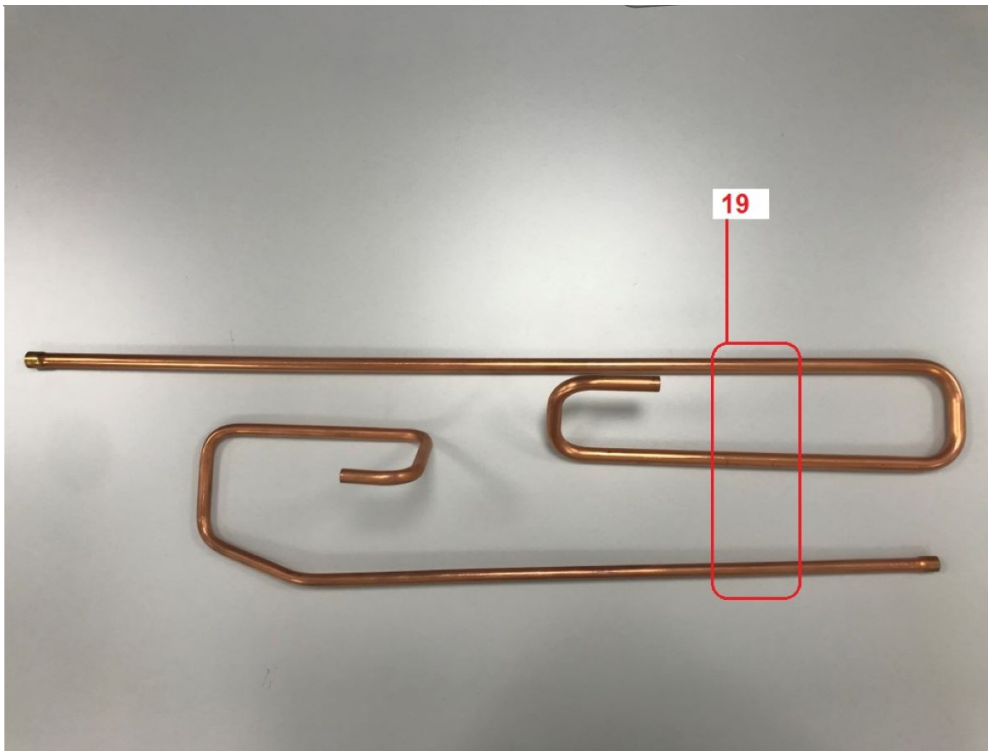
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Material No.	Cd	Cr	Pb	Hg	Br
M189j	< RL	< RL	< RL	< RL	< RL

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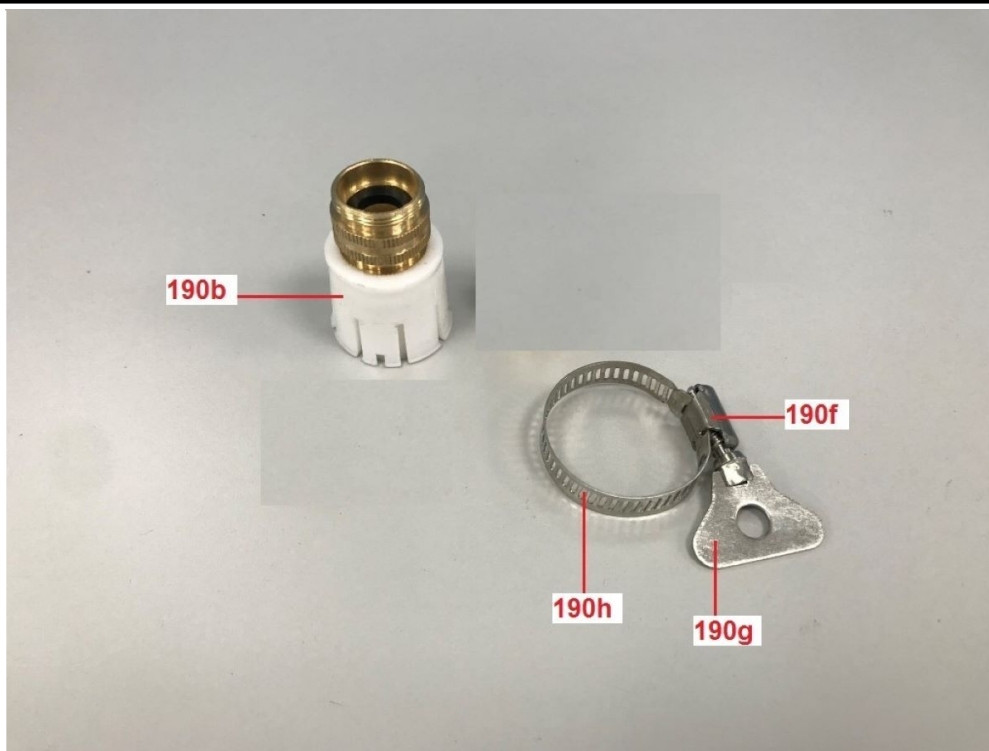
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Material No.	Cd	Cr	Pb	Hg	Br
M019	< RL	d(*3)	< RL	< RL	n.a.

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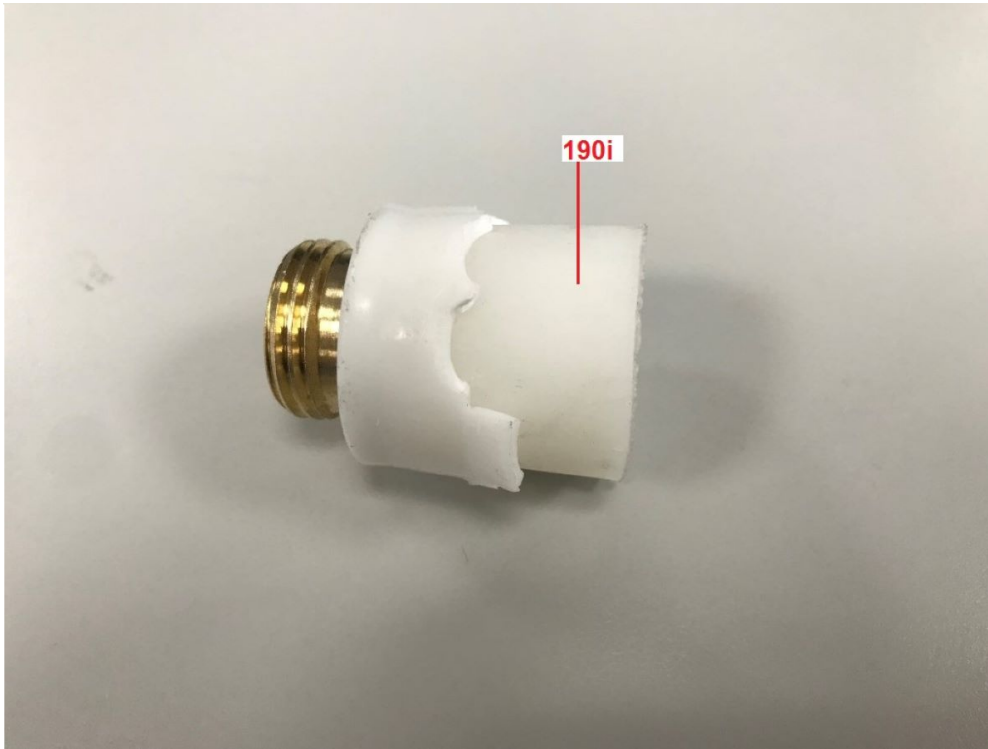
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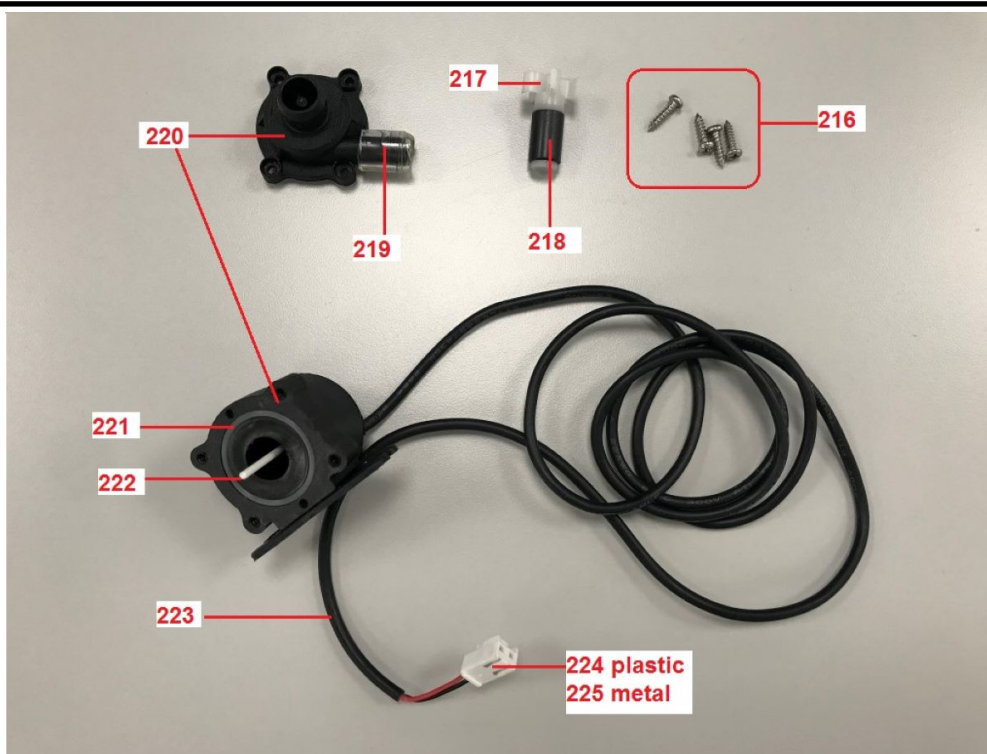
Material No.	Cd	Cr	Pb	Hg	Br
M190b	< RL	< RL	< RL	< RL	< RL
M190f	< RL	d(*2)	< RL	< RL	n.a.
M190g	< RL	d(*2)	< RL	< RL	n.a.
M190h	< RL	d(*2)	< RL	< RL	n.a.

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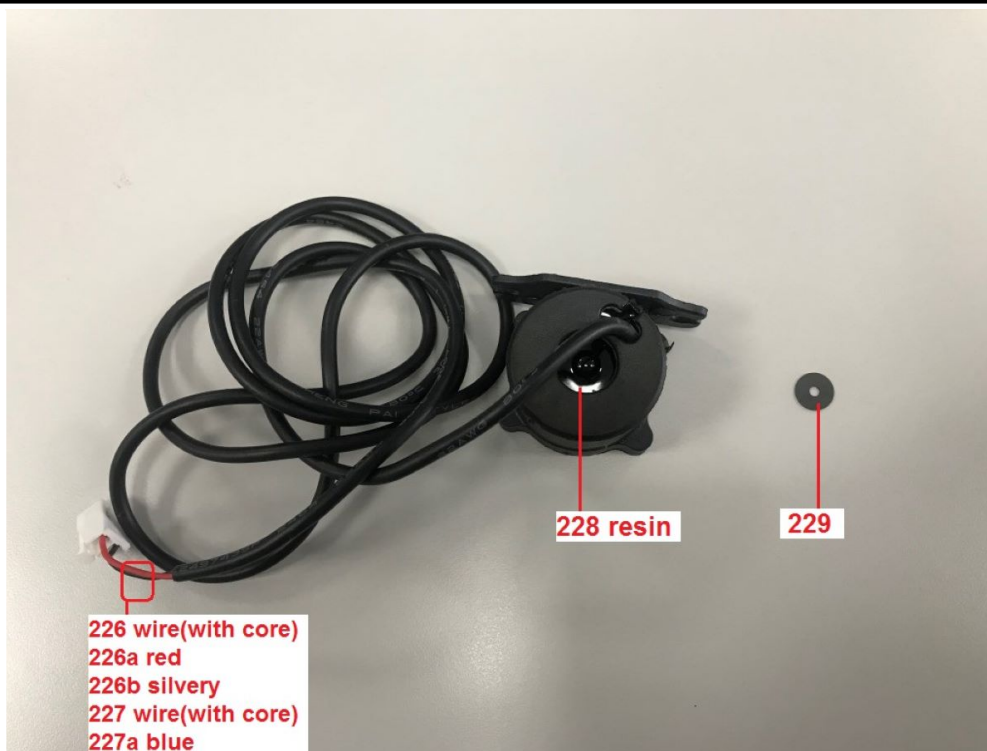
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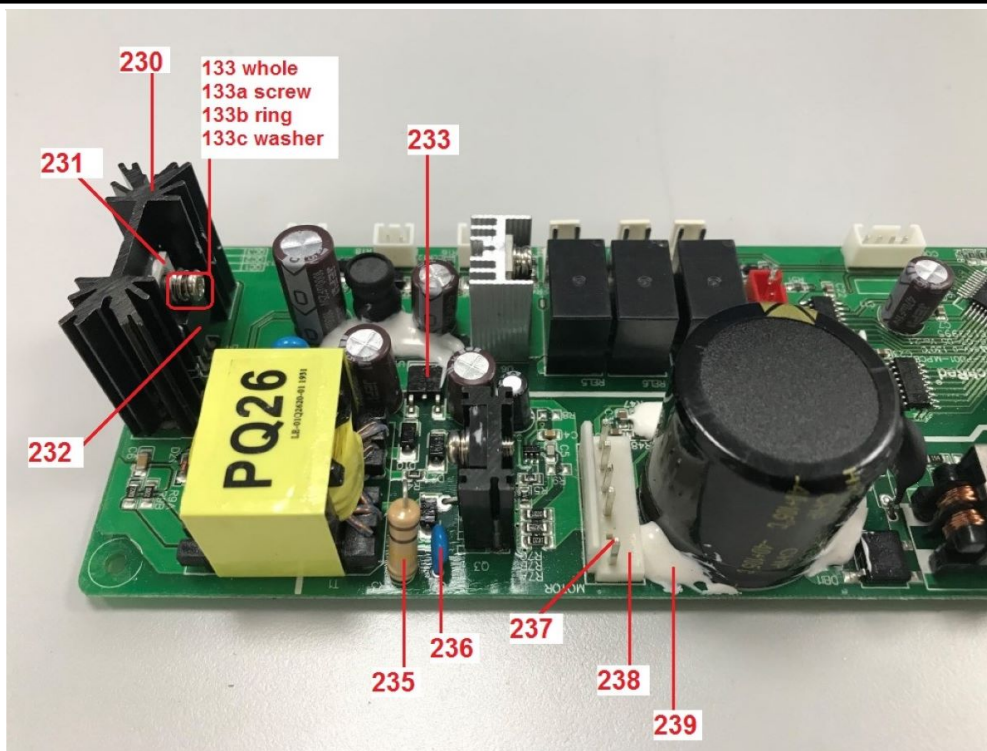
Material No.	Cd	Cr	Pb	Hg	Br
M190i	< RL	< RL	< RL	< RL	< RL



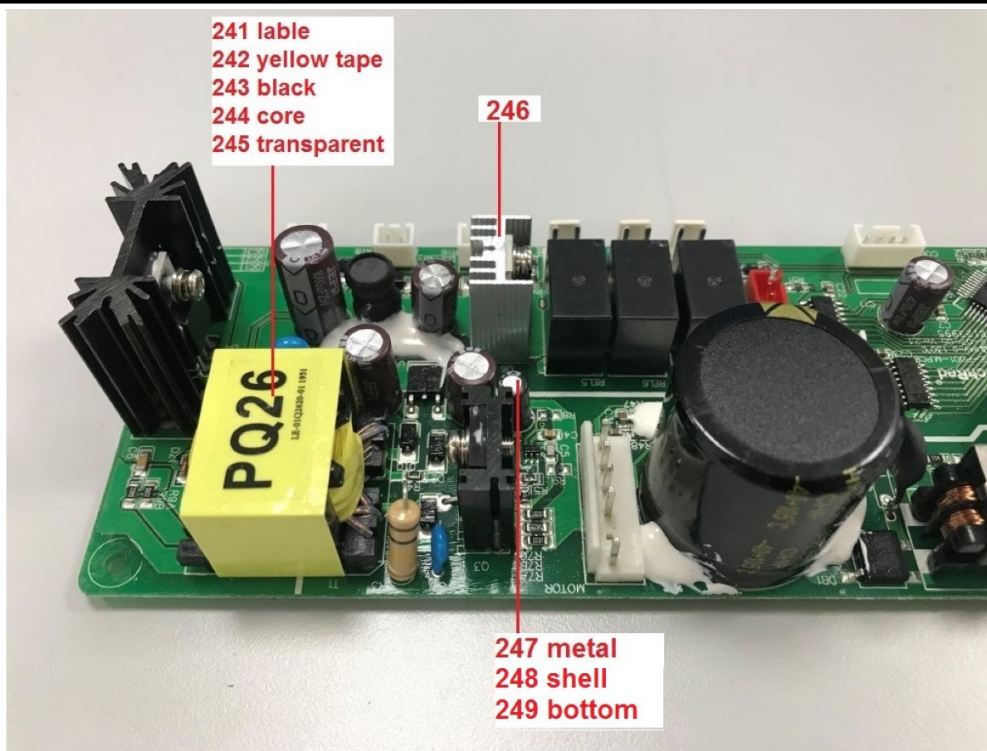
Material No.	Cd	Cr	Pb	Hg	Br
M216	< RL	d(*2)	< RL	< RL	n.a.
M217	< RL	< RL	< RL	< RL	< RL
M218	< RL	d(*3)	< RL	< RL	n.a.
M219	< RL	< RL	< RL	< RL	< RL
M220	< RL	< RL	< RL	< RL	< RL
M221	< RL	< RL	< RL	< RL	< RL
M222	< RL	< RL	< RL	< RL	< RL
M223	< RL	< RL	< RL	< RL	< RL
M224	< RL	< RL	< RL	< RL	< RL
M225	< RL	d(*3)	< RL	< RL	n.a.



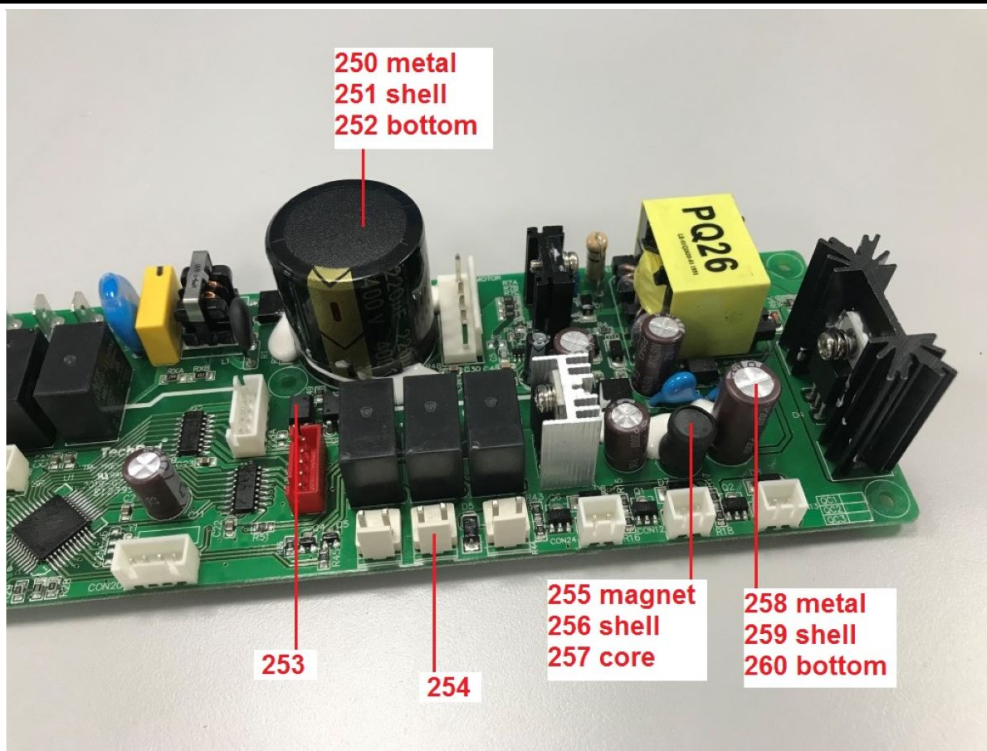
Material No.	Cd	Cr	Pb	Hg	Br
M226a	< RL	< RL	< RL	< RL	< RL
M226b	< RL	d(*3)	< RL	< RL	n.a.
M227a	< RL	< RL	< RL	< RL	< RL
M228	< RL	< RL	< RL	< RL	< RL
M229	< RL	< RL	< RL	< RL	< RL



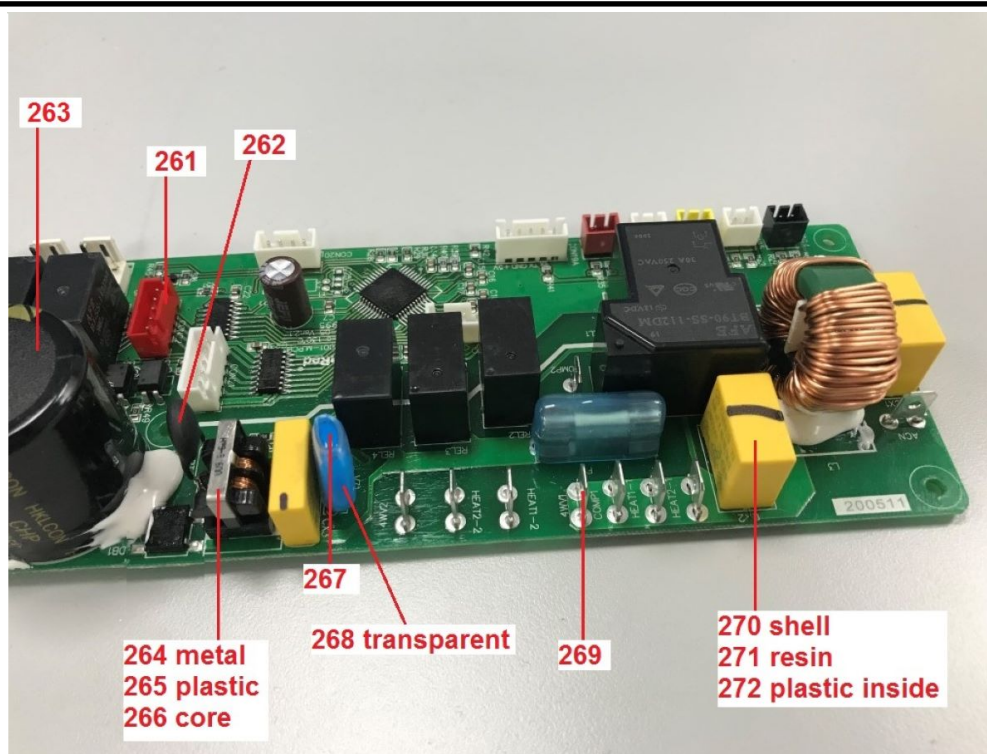
Material No.	Cd	Cr	Pb	Hg	Br
M133a	< RL	d(*3)	< RL	< RL	n.a.
M133b	< RL	d(*3)	< RL	< RL	n.a.
M133c	< RL	d(*3)	< RL	< RL	n.a.
M230	< RL	d(*3)	< RL	< RL	n.a.
M231	< RL	d(*3)	< RL	< RL	n.a.
M232	< RL	< RL	< RL	< RL	d(*2)
M233	< RL	< RL	< RL	< RL	d(*2)
M235	< RL	< RL	< RL	< RL	< RL
M236	< RL	< RL	< RL	< RL	< RL
M237	< RL	d(*3)	< RL	< RL	n.a.
M238	< RL	< RL	< RL	< RL	< RL
M239	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M241	< RL	< RL	< RL	< RL	< RL
M242	< RL	< RL	< RL	< RL	< RL
M243	< RL	< RL	< RL	< RL	< RL
M244	< RL	d(*3)	< RL	< RL	n.a.
M245	< RL	< RL	< RL	< RL	< RL
M246	< RL	d(*3)	< RL	< RL	n.a.
M247	< RL	d(*3)	< RL	< RL	n.a.
M248	< RL	< RL	< RL	< RL	< RL
M249	< RL	< RL	< RL	< RL	< RL

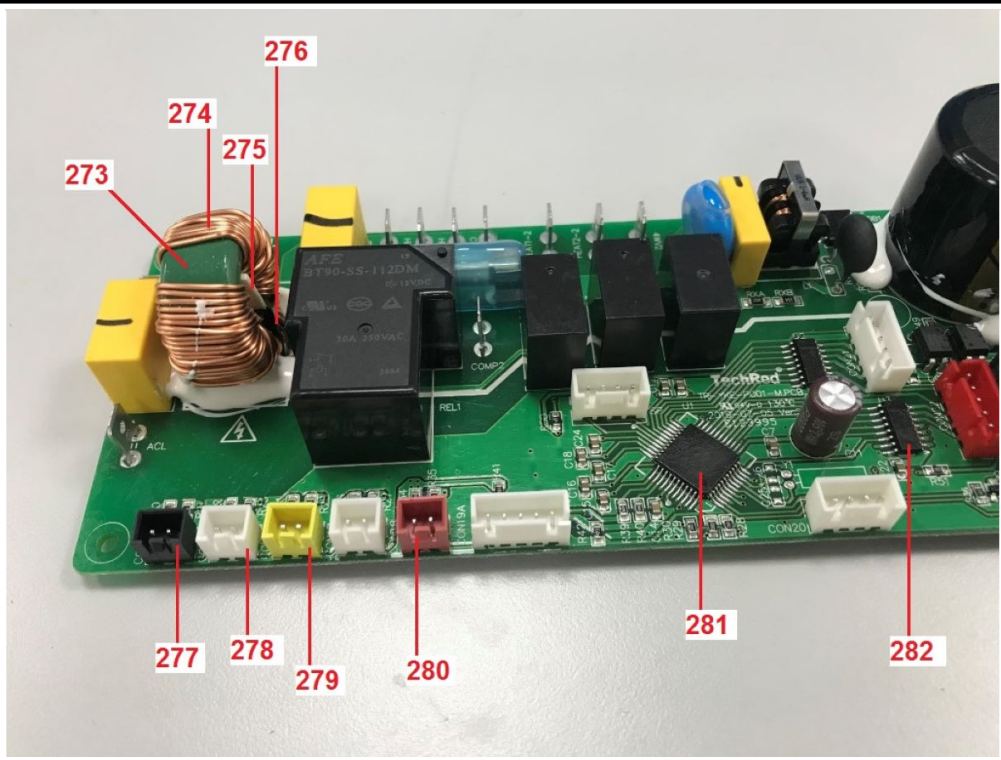


Material No.	Cd	Cr	Pb	Hg	Br
M250	< RL	d(*3)	< RL	< RL	n.a.
M251	< RL	< RL	< RL	< RL	< RL
M252	< RL	< RL	< RL	< RL	< RL
M253	< RL	< RL	< RL	< RL	< RL
M254	< RL	< RL	< RL	< RL	d(*2)
M255	< RL	d(*3)	< RL	< RL	n.a.
M256	< RL	< RL	< RL	< RL	< RL
M257	< RL	d(*3)	< RL	< RL	n.a.
M258	< RL	d(*3)	< RL	< RL	n.a.
M259	< RL	< RL	< RL	< RL	< RL
M260	< RL	< RL	< RL	< RL	< RL



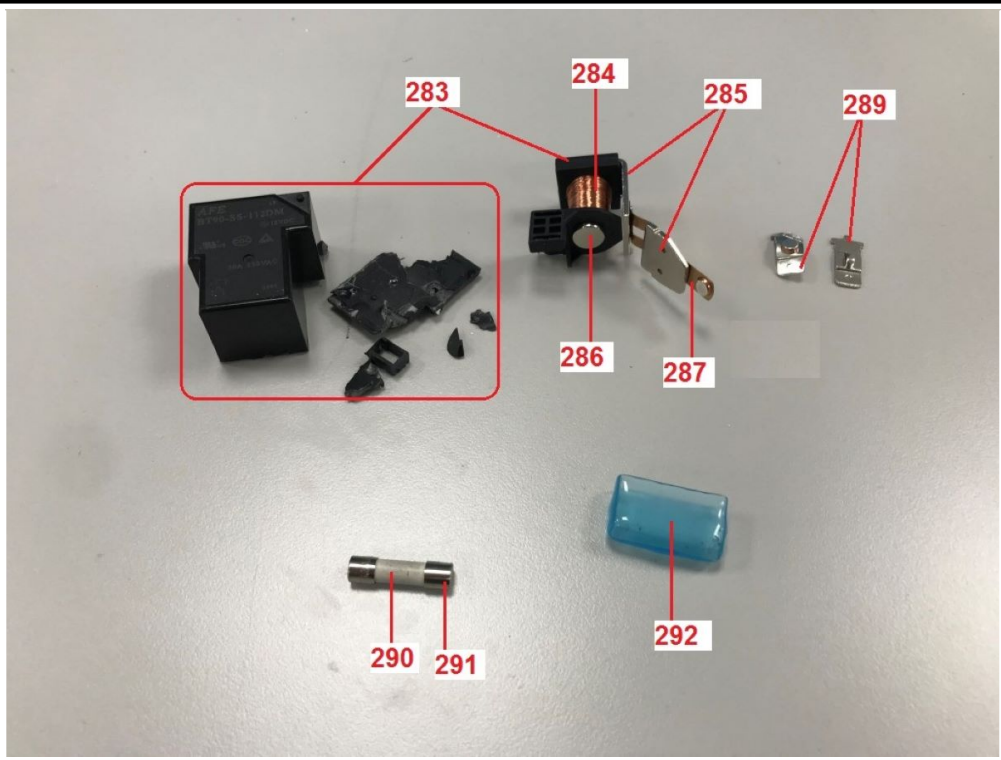
Material No.	Cd	Cr	Pb	Hg	Br
M261	< RL	< RL	< RL	< RL	< RL
M262	< RL	< RL	< RL	< RL	< RL
M263	< RL	< RL	< RL	< RL	< RL
M264	< RL	d(*2)	< RL	< RL	n.a.
M265	< RL	< RL	< RL	< RL	< RL
M266	< RL	d(*3)	< RL	< RL	n.a.
M267	< RL	< RL	< RL	< RL	< RL
M268	< RL	< RL	< RL	< RL	< RL
M269	< RL	d(*3)	< RL	< RL	n.a.
M270	< RL	< RL	< RL	< RL	d(*2)
M271	< RL	< RL	< RL	< RL	d(*2)
M272	< RL	< RL	< RL	< RL	< RL

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Material No.	Cd	Cr	Pb	Hg	Br
M273	< RL	d(*3)	< RL	< RL	n.a.
M274	< RL	d(*3)	< RL	< RL	n.a.
M275	< RL	< RL	< RL	< RL	< RL
M276	< RL	< RL	< RL	< RL	< RL
M277	< RL	< RL	< RL	< RL	d(*2)
M278	< RL	< RL	< RL	< RL	< RL
M279	< RL	< RL	< RL	< RL	d(*2)
M280	< RL	< RL	< RL	< RL	d(*2)
M281	< RL	< RL	< RL	< RL	< RL
M282	< RL	< RL	< RL	< RL	< RL

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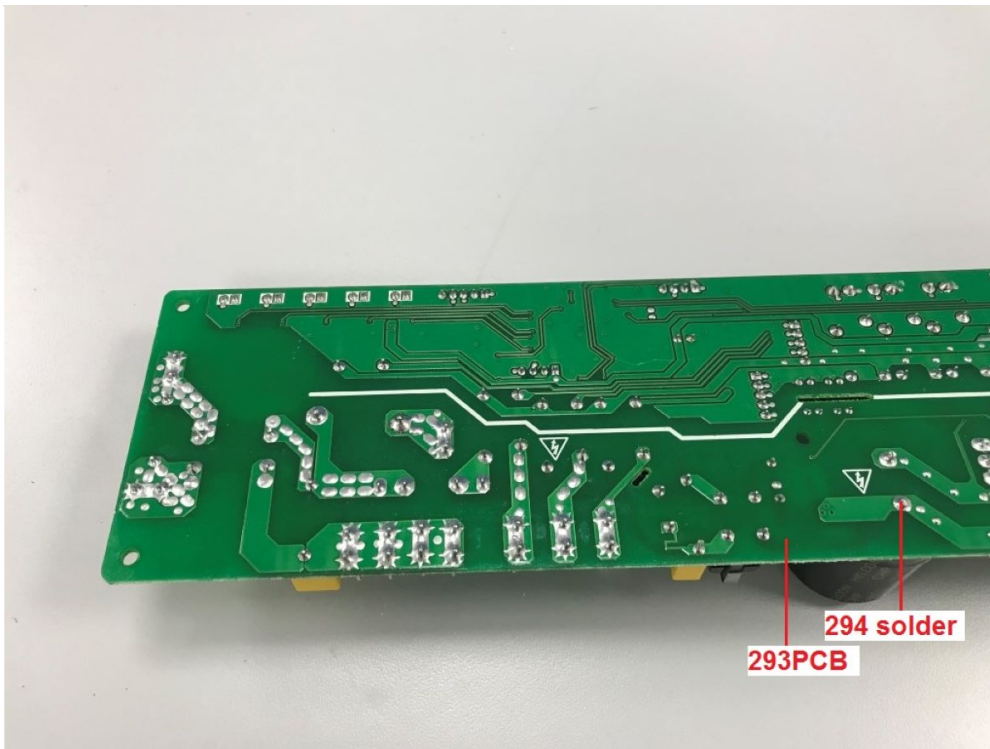
Material No.	Cd	Cr	Pb	Hg	Br
M283	< RL	< RL	< RL	< RL	d(*2)
M284	< RL	d(*3)	< RL	< RL	n.a.
M285	< RL	d(*3)	< RL	< RL	n.a.
M286	< RL	d(*3)	< RL	< RL	n.a.
M287	< RL	d(*3)	< RL	< RL	n.a.
M289	< RL	d(*3)	< RL	< RL	n.a.
M290	< RL	< RL	< RL	< RL	< RL
M291	< RL	d(*3)	< RL	< RL	n.a.
M292	< RL	< RL	< RL	< RL	< RL

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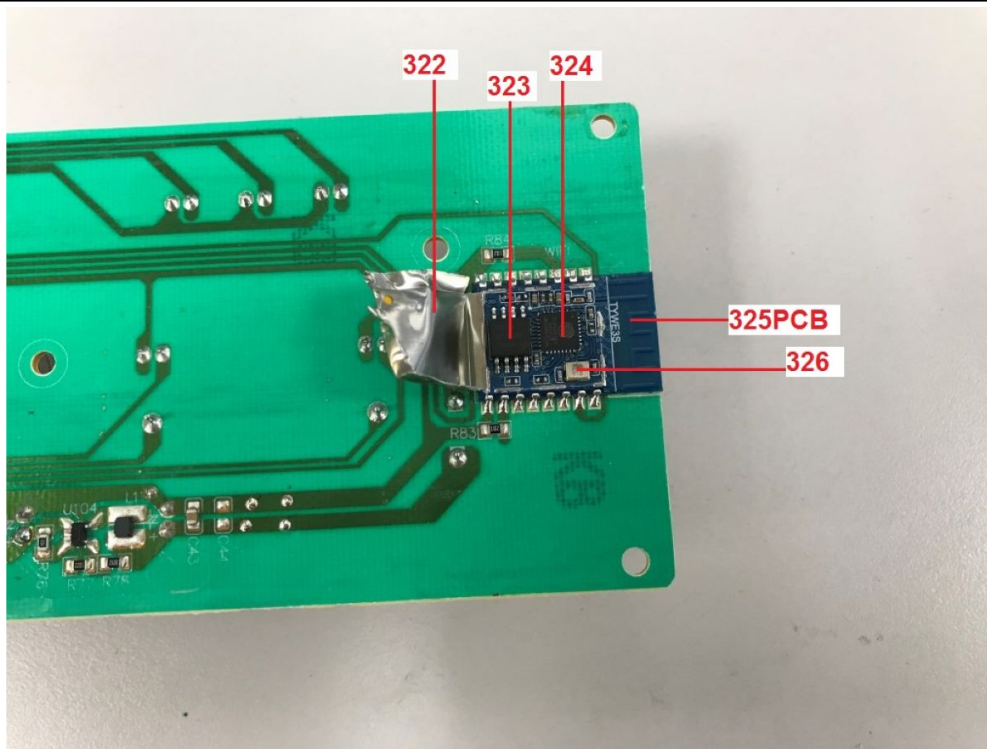
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Material No.	Cd	Cr	Pb	Hg	Br
M029	< RL	d(*3)	< RL	< RL	n.a.

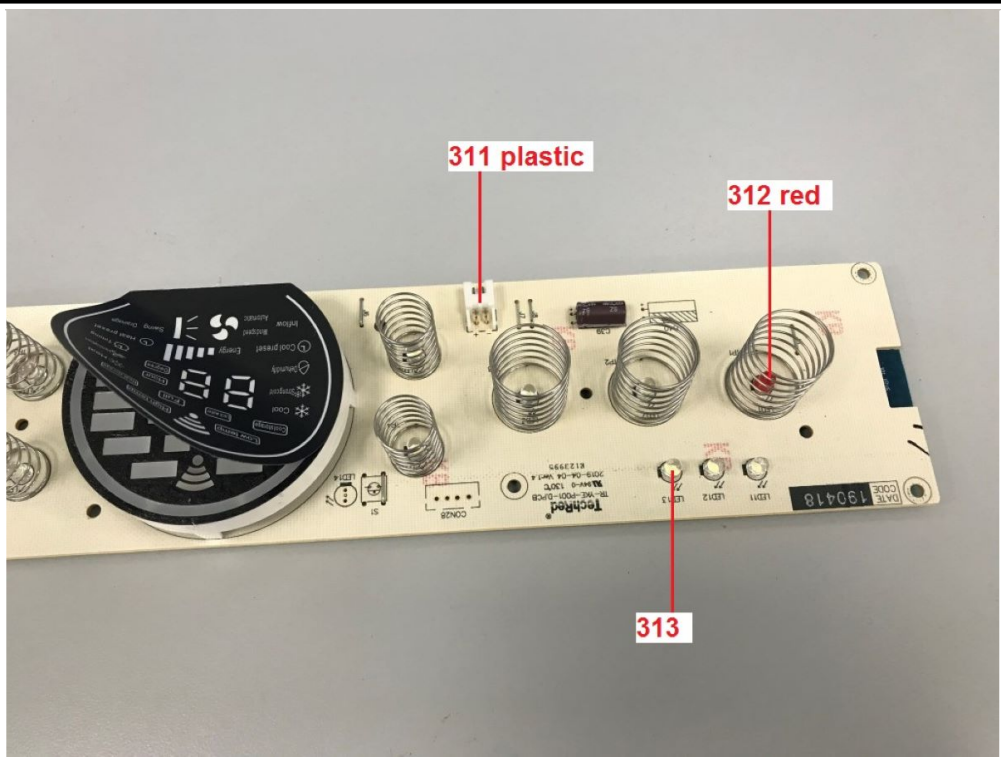


Material No.	Cd	Cr	Pb	Hg	Br
M293	< RL	< RL	< RL	< RL	d(*2)
M294	< RL	d(*3)	< RL	< RL	n.a.

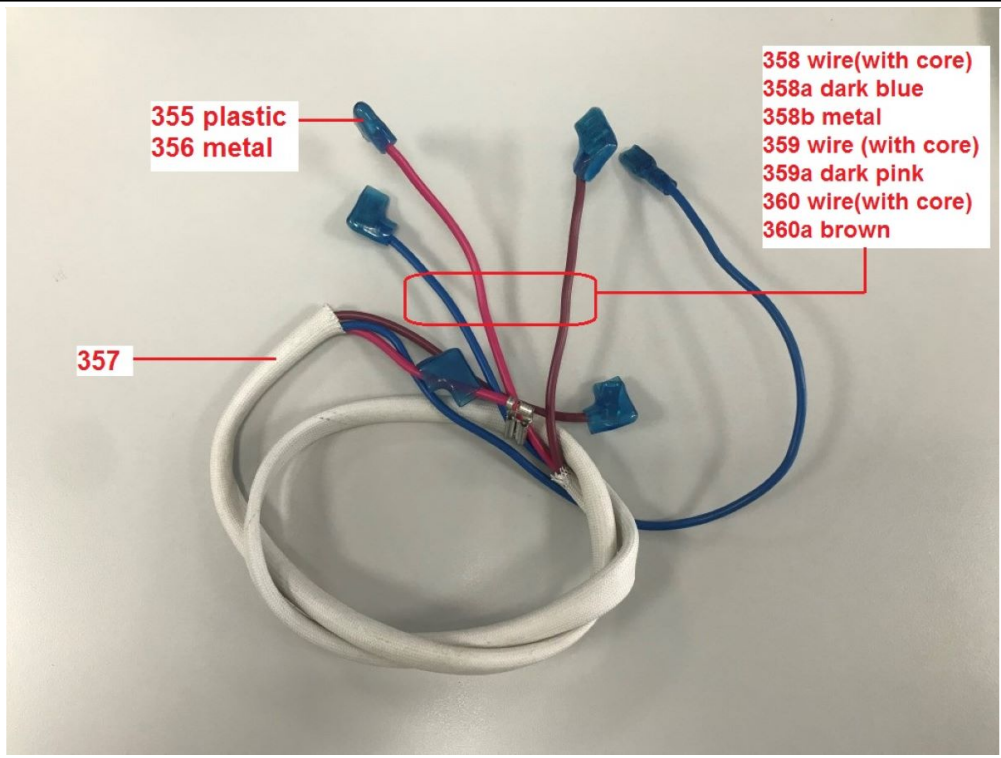


Material No.	Cd	Cr	Pb	Hg	Br
M322	< RL	d(*3)	< RL	< RL	n.a.
M323	< RL	< RL	< RL	< RL	< RL
M324	< RL	< RL	< RL	< RL	< RL
M325	< RL	< RL	< RL	< RL	d(*2)
M326	< RL	d(*2)	< RL	< RL	< RL

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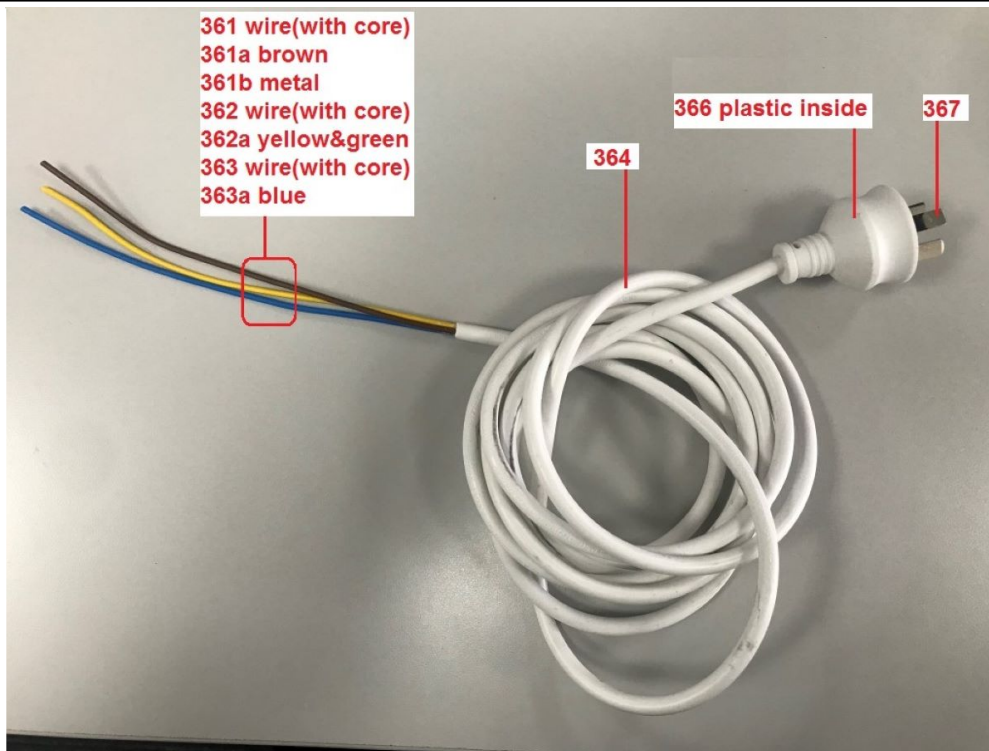
Material No.	Cd	Cr	Pb	Hg	Br
M311	< RL	< RL	< RL	< RL	d(*2)
M312	< RL	< RL	< RL	< RL	d(*2)
M313	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M355	< RL	< RL	< RL	< RL	< RL
M356	< RL	d(*3)	< RL	< RL	n.a.
M357	< RL	< RL	< RL	< RL	< RL
M358a	< RL	< RL	< RL	< RL	< RL
M358b	< RL	d(*3)	< RL	< RL	n.a.
M359a	< RL	< RL	< RL	< RL	< RL
M360a	< RL	< RL	< RL	< RL	< RL

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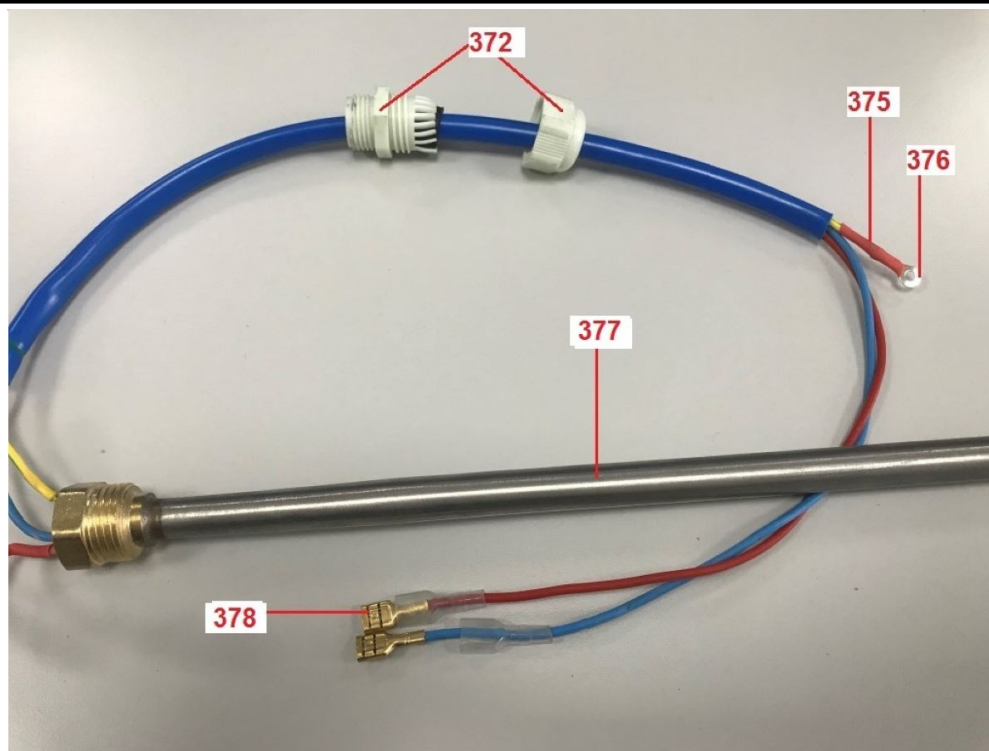
Material No.	Cd	Cr	Pb	Hg	Br
M361a	< RL	< RL	< RL	< RL	< RL
M361b	< RL	d(*3)	< RL	< RL	n.a.
M362a	< RL	< RL	< RL	< RL	< RL
M363a	< RL	< RL	< RL	< RL	< RL
M364	< RL	< RL	< RL	< RL	< RL
M366	< RL	< RL	< RL	< RL	d(*2)
M367	< RL	d(*3)	< RL	< RL	n.a.

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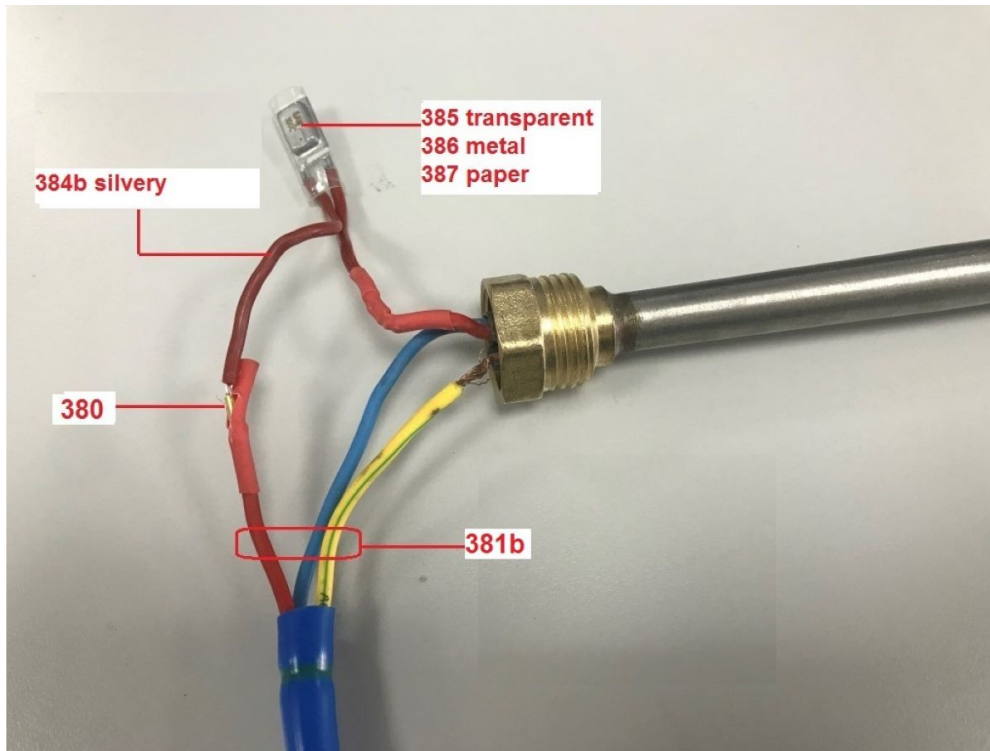
Material No.	Cd	Cr	Pb	Hg	Br
M368	< RL	d(*3)	< RL	< RL	n.a.
M369	< RL	d(*3)	< RL	< RL	n.a.
M370	< RL	d(*2)	< RL	< RL	n.a.



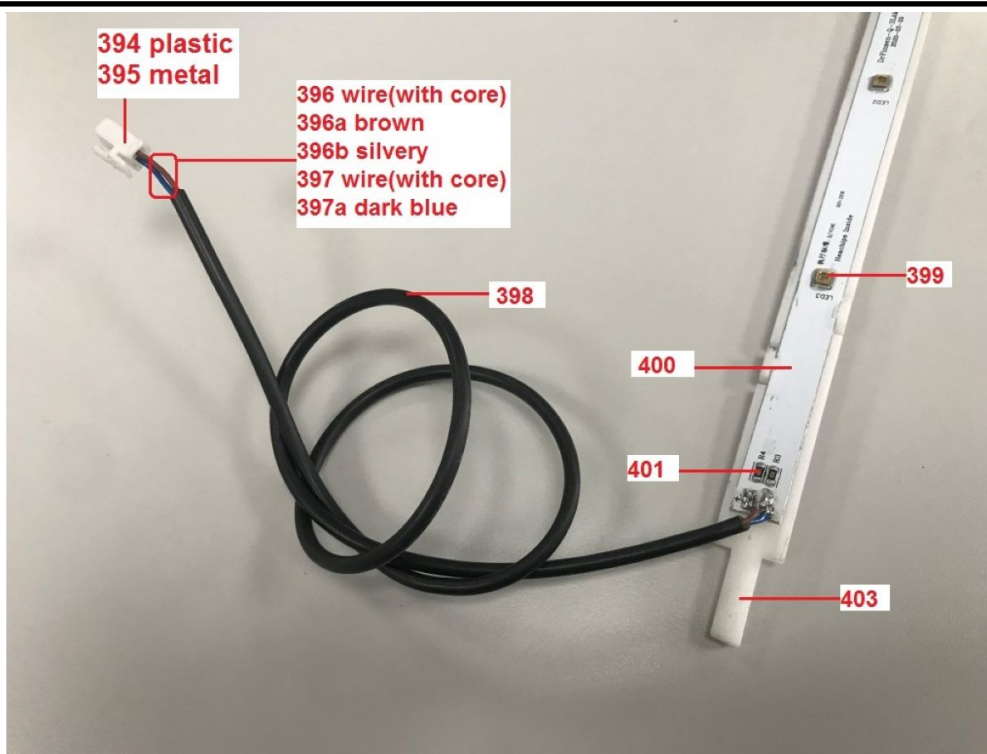
Material No.	Cd	Cr	Pb	Hg	Br
M372	< RL	< RL	< RL	< RL	< RL
M376	< RL	d(*3)	< RL	< RL	n.a.
M377	< RL	d(*2)	< RL	< RL	n.a.
M378	< RL	d(*3)	< RL	< RL	n.a.

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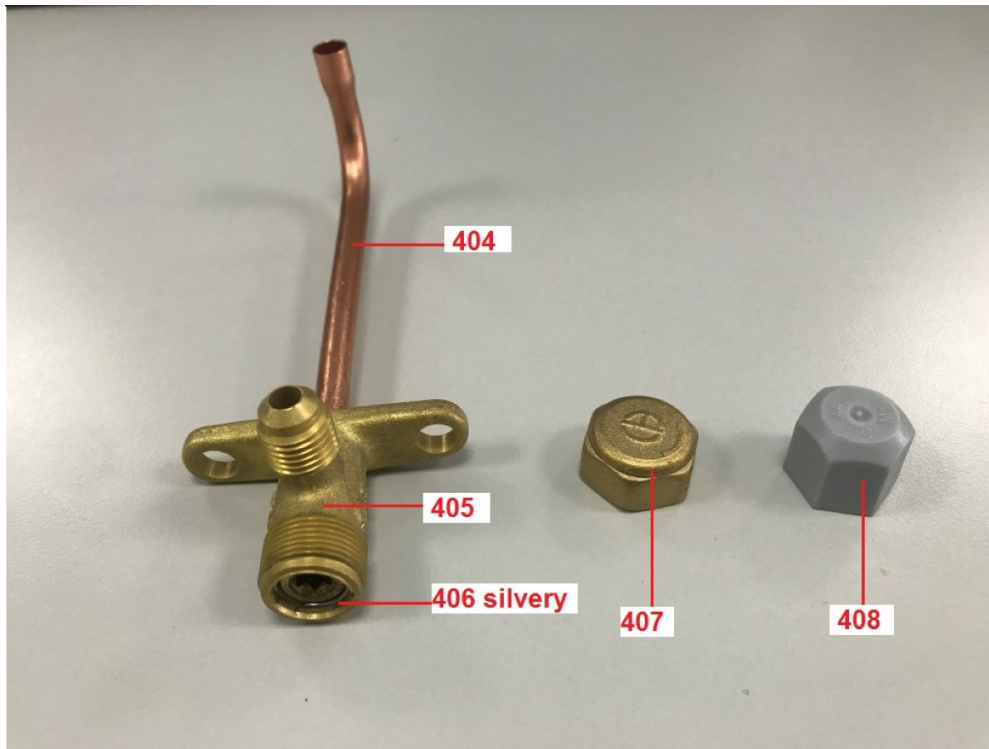
Material No.	Cd	Cr	Pb	Hg	Br
M380	< RL	d(*3)	< RL	< RL	n.a.
M381b	< RL	d(*3)	< RL	< RL	n.a.
M384b	< RL	d(*3)	< RL	< RL	n.a.
M385	< RL	< RL	< RL	< RL	< RL
M386	< RL	d(*3)	< RL	< RL	n.a.
M387	< RL	< RL	< RL	< RL	< RL



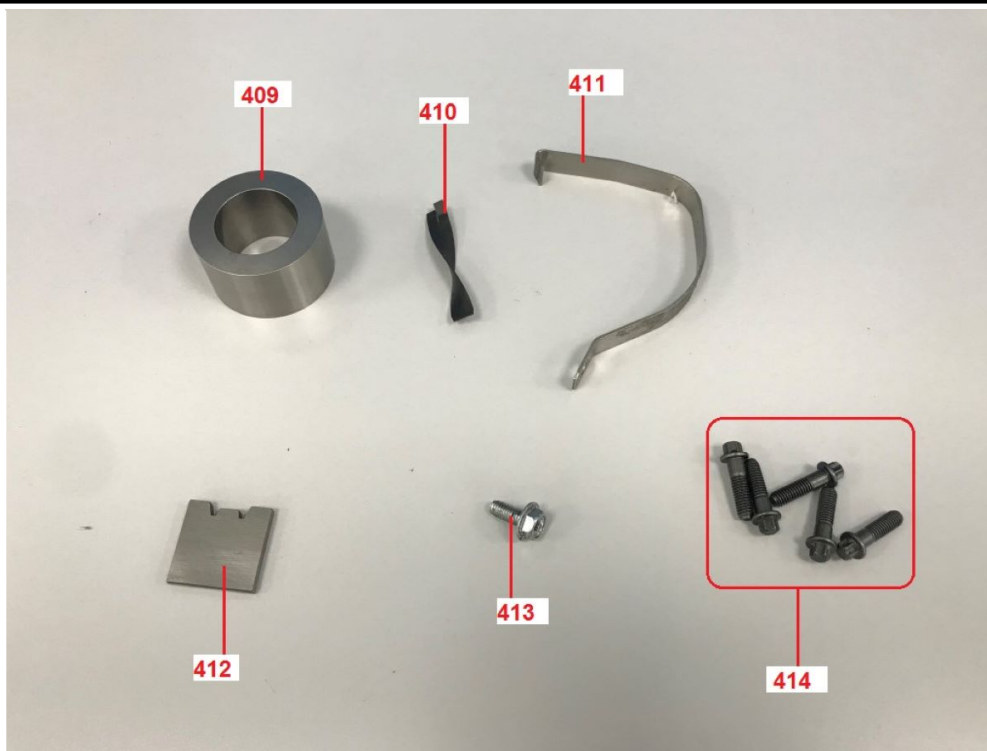
Material No.	Cd	Cr	Pb	Hg	Br
M394	< RL	< RL	< RL	< RL	< RL
M395	< RL	d(*3)	< RL	< RL	n.a.
M396a	< RL	< RL	< RL	< RL	< RL
M396b	< RL	d(*3)	< RL	< RL	n.a.
M397a	< RL	< RL	< RL	< RL	< RL
M398	< RL	< RL	< RL	< RL	< RL
M399	< RL	< RL	< RL	< RL	< RL
M400	< RL	d(*3)	< RL	< RL	n.a.
M401	< RL	d(*2)	d(*1)	< RL	< RL
M403	< RL	< RL	< RL	< RL	< RL

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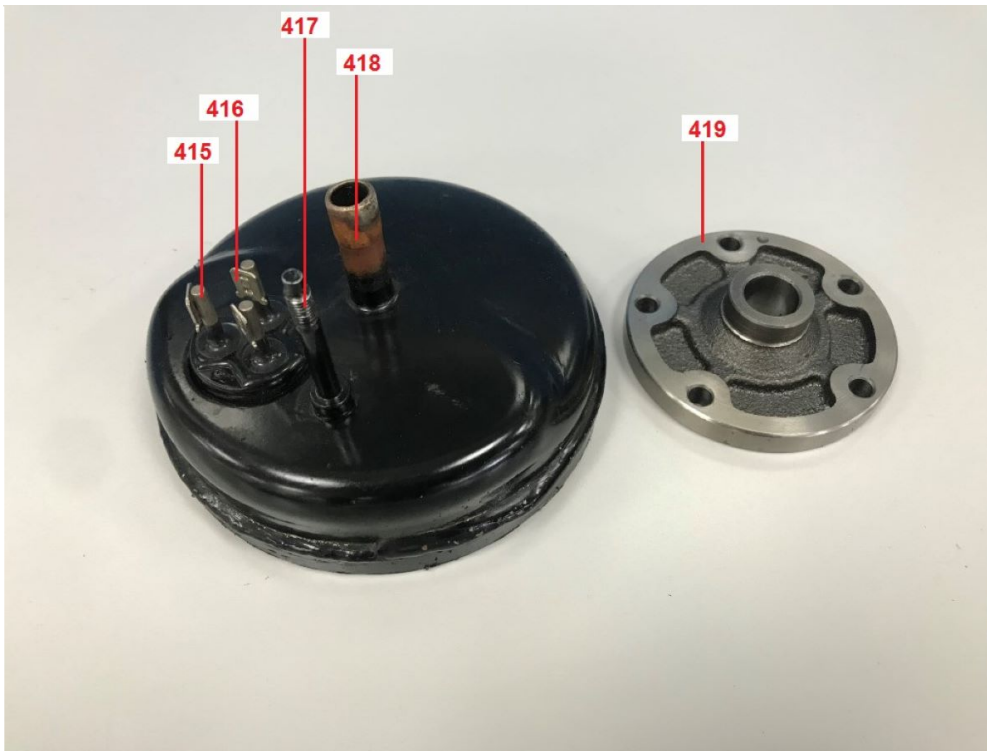
Material No.	Cd	Cr	Pb	Hg	Br
M404	< RL	d(*3)	< RL	< RL	n.a.
M405	< RL	d(*3)	d(*1)	< RL	n.a.
M406	< RL	d(*2)	< RL	< RL	n.a.
M407	< RL	d(*3)	d(*1)	< RL	n.a.
M408	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M409	< RL	d(*2)	< RL	< RL	n.a.
M410	< RL	d(*2)	< RL	< RL	n.a.
M411	< RL	d(*2)	< RL	< RL	n.a.
M412	< RL	d(*2)	< RL	< RL	n.a.
M413	< RL	d(*2)	< RL	< RL	n.a.
M414	< RL	d(*2)	< RL	< RL	n.a.

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Material No.	Cd	Cr	Pb	Hg	Br
M415	< RL	d(*3)	< RL	< RL	n.a.
M416	< RL	d(*3)	< RL	< RL	n.a.
M417	< RL	d(*3)	< RL	< RL	n.a.
M418	< RL	d(*3)	< RL	< RL	n.a.
M419	< RL	d(*3)	< RL	< RL	n.a.



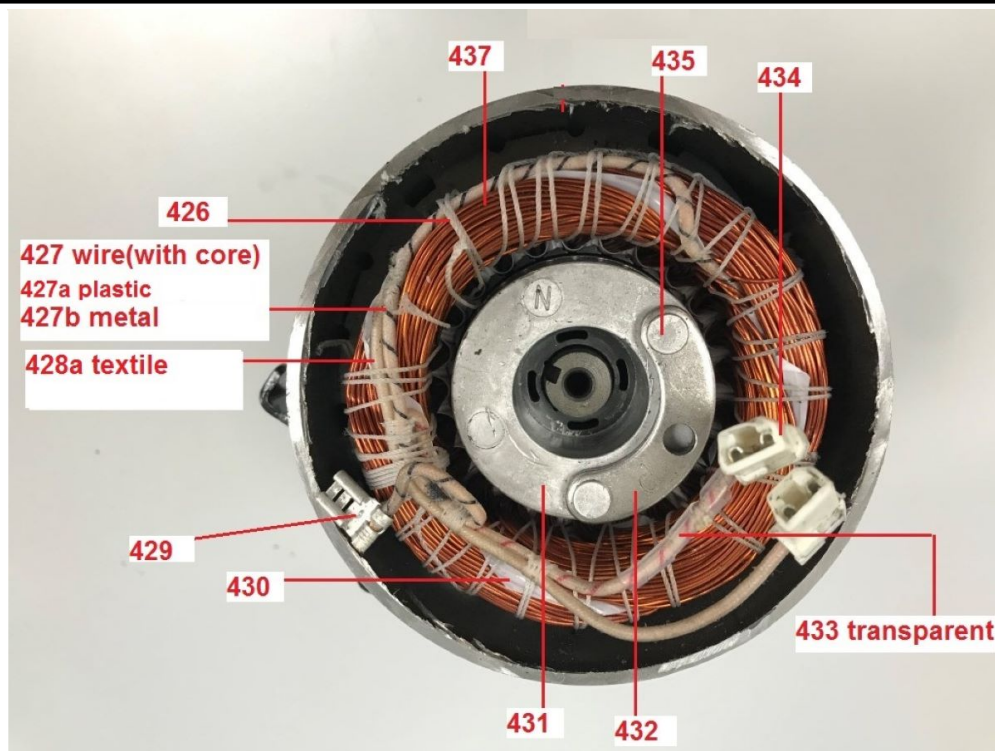
Material No.	Cd	Cr	Pb	Hg	Br
M421a	< RL	< RL	< RL	< RL	< RL
M421b	< RL	d(*3)	< RL	< RL	n.a.
M422	< RL	< RL	< RL	< RL	< RL
M423	< RL	d(*2)	< RL	< RL	n.a.

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Material No.	Cd	Cr	Pb	Hg	Br
M424	< RL	d(*3)	< RL	< RL	n.a.
M425	< RL	d(*2)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M426	< RL	< RL	< RL	< RL	< RL
M427a	< RL	< RL	< RL	< RL	< RL
M427b	< RL	d(*3)	< RL	< RL	n.a.
M428a	< RL	< RL	< RL	< RL	< RL
M429	< RL	d(*3)	< RL	< RL	n.a.
M430	< RL	< RL	< RL	< RL	< RL
M431	< RL	d(*3)	< RL	< RL	n.a.
M432	< RL	d(*3)	< RL	< RL	n.a.
M433	< RL	< RL	< RL	< RL	< RL
M434	< RL	< RL	< RL	< RL	< RL
M435	< RL	d(*3)	< RL	< RL	n.a.
M437	< RL	d(*3)	< RL	< RL	n.a.

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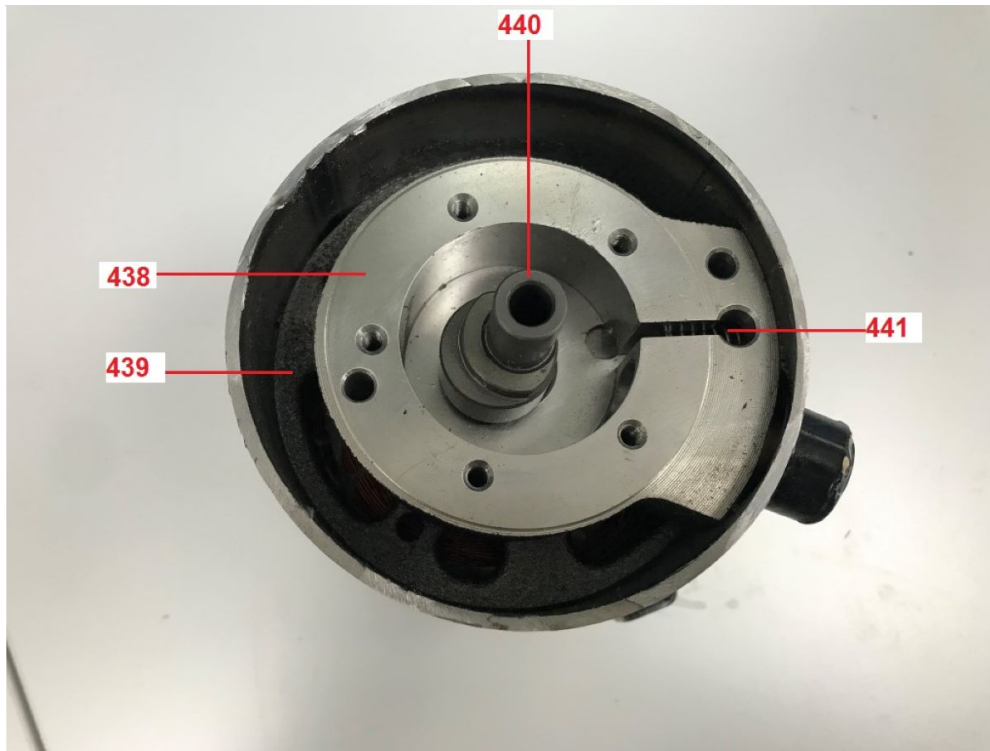
Material No.	Cd	Cr	Pb	Hg	Br
M436	< RL	d(*2)	< RL	< RL	n.a.

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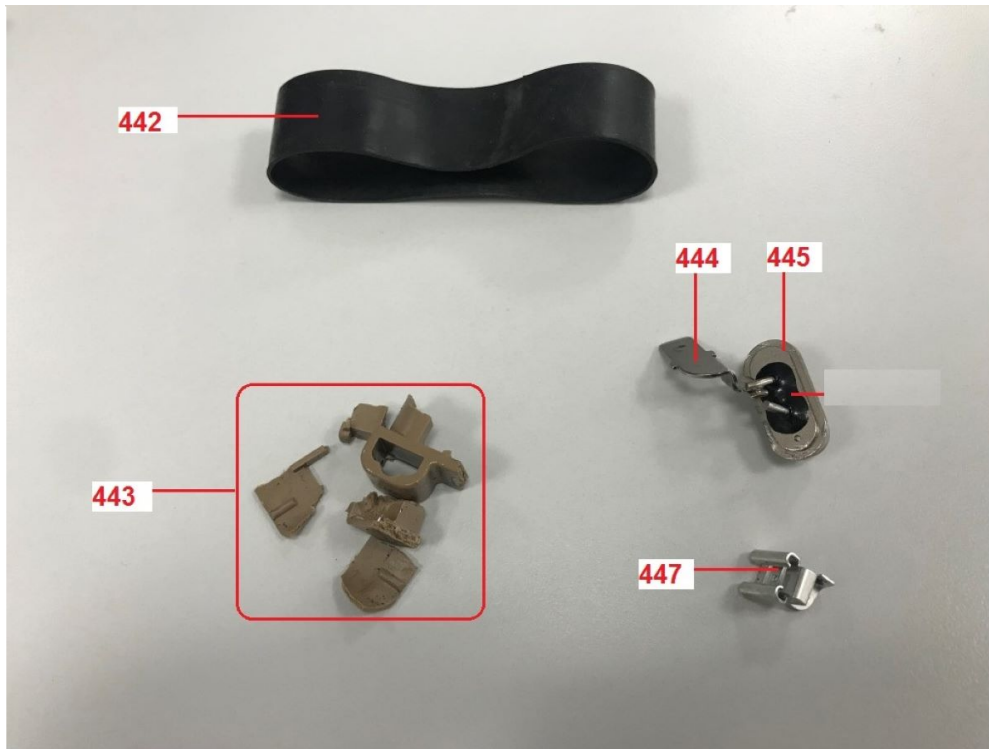
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Material No.	Cd	Cr	Pb	Hg	Br
M420	< RL	d(*2)	< RL	< RL	< RL



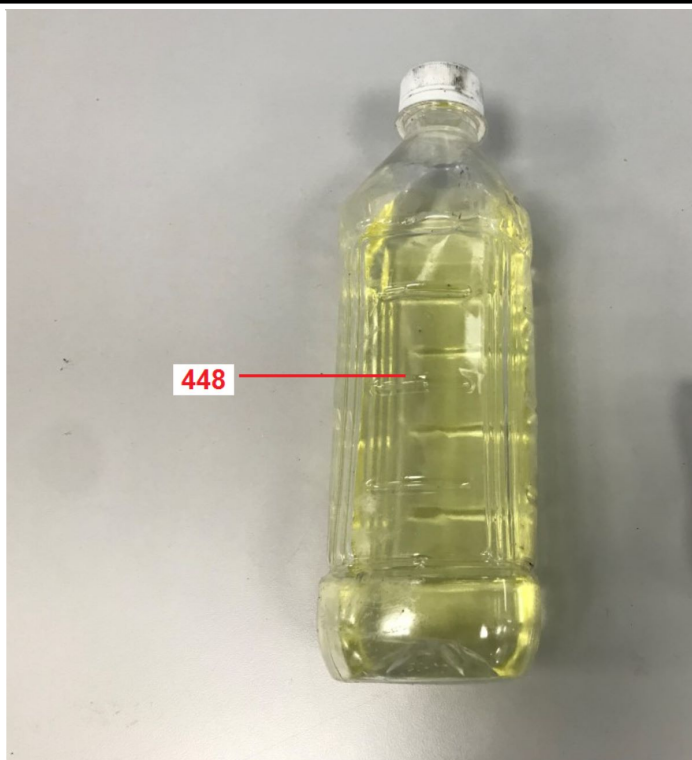
Material No.	Cd	Cr	Pb	Hg	Br
M438	< RL	d(*3)	< RL	< RL	n.a.
M439	< RL	d(*3)	< RL	< RL	n.a.
M440	< RL	d(*3)	< RL	< RL	n.a.
M441	< RL	d(*2)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M442	< RL	< RL	< RL	< RL	< RL
M443	< RL	< RL	< RL	< RL	< RL
M444	< RL	d(*3)	< RL	< RL	n.a.
M445	< RL	d(*3)	< RL	< RL	n.a.
M447	< RL	d(*3)	< RL	< RL	n.a.

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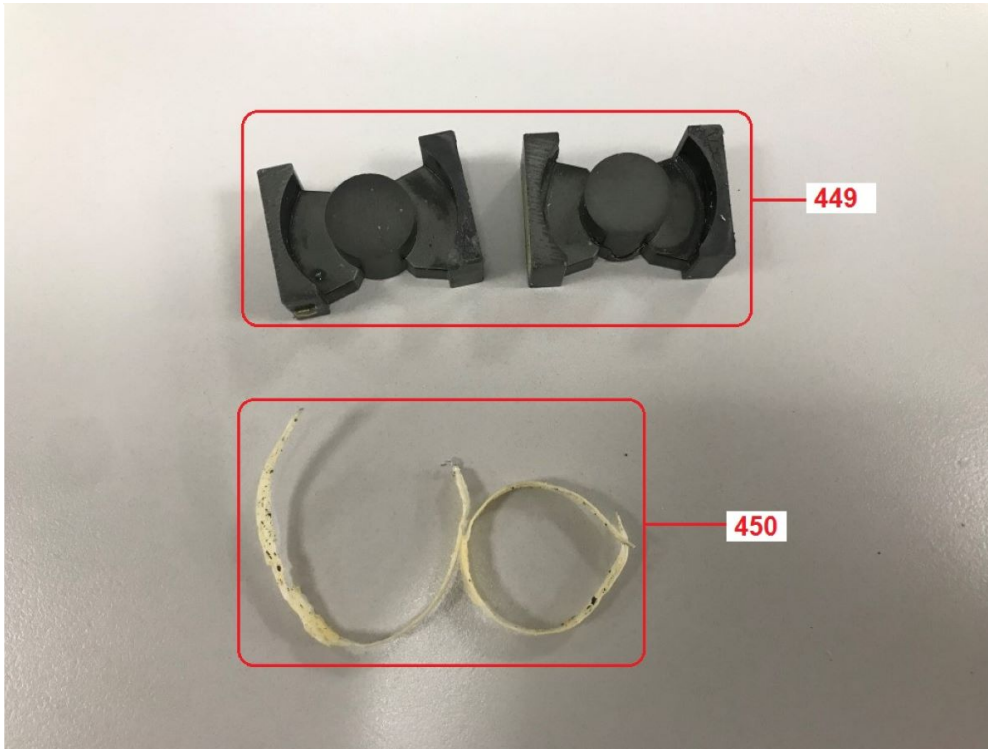
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Material No.	Cd	Cr	Pb	Hg	Br
M448	< RL	< RL	< RL	< RL	< RL

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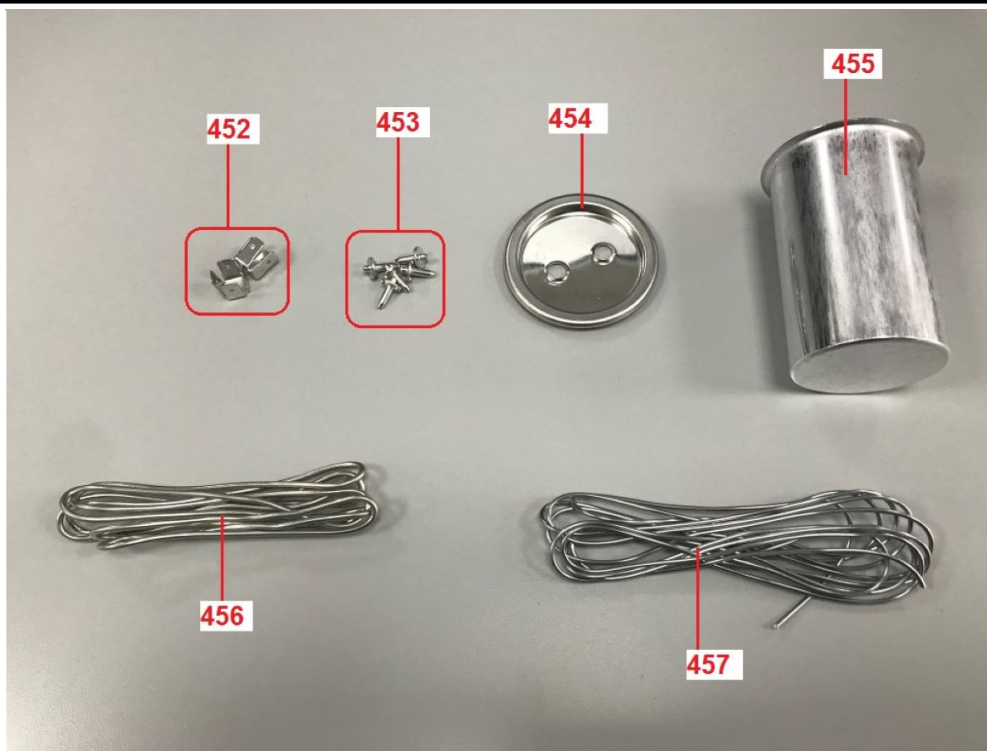
Material No.	Cd	Cr	Pb	Hg	Br
M449	< RL	d(*3)	< RL	< RL	n.a.
M450	< RL	< RL	< RL	< RL	< RL

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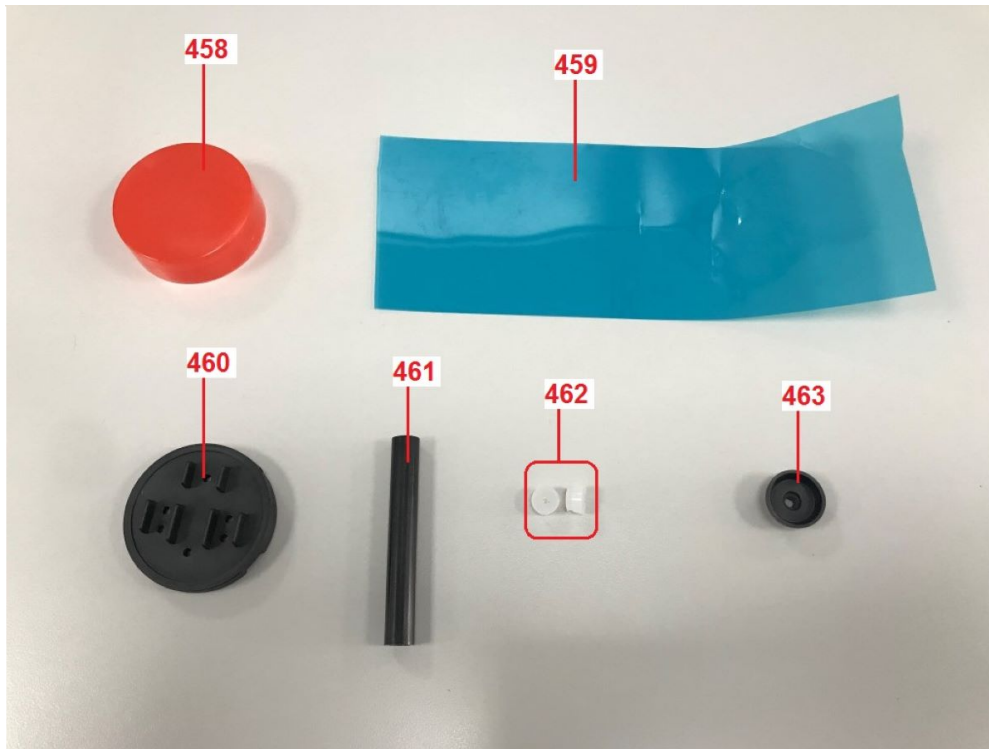
Material No.	Cd	Cr	Pb	Hg	Br
M451-1	< RL	< RL	< RL	< RL	< RL



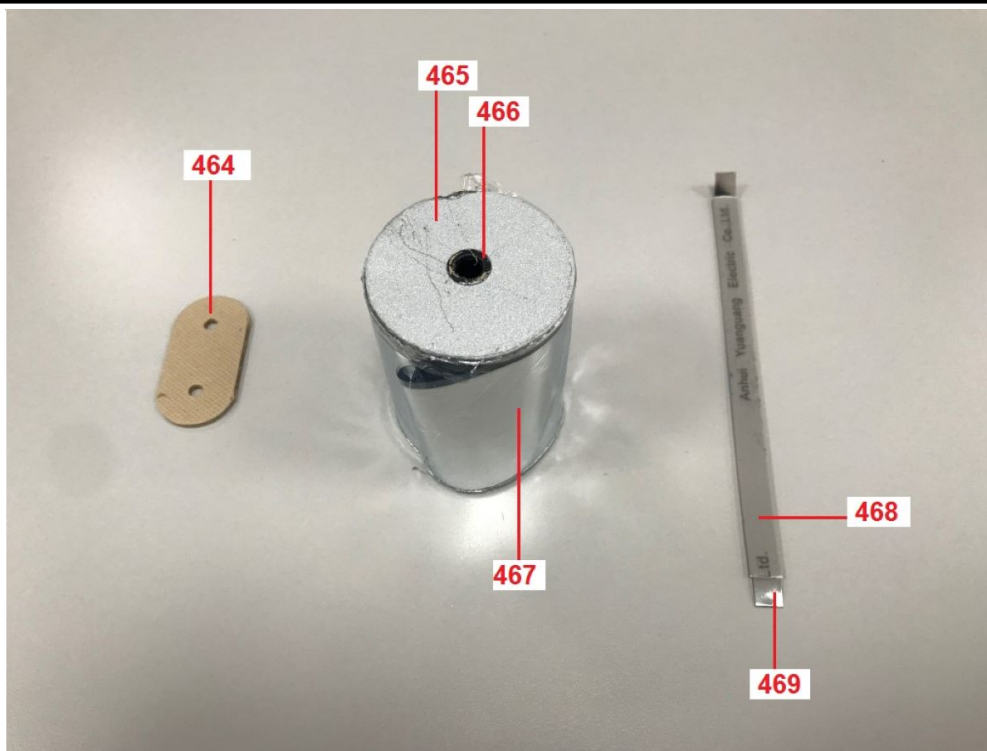
Material No.	Cd	Cr	Pb	Hg	Br
M452	< RL	d(*3)	< RL	< RL	n.a.
M453	< RL	d(*3)	< RL	< RL	n.a.
M454	< RL	d(*3)	< RL	< RL	n.a.
M455	< RL	d(*3)	< RL	< RL	n.a.
M456	< RL	d(*3)	< RL	< RL	n.a.
M457	< RL	d(*3)	< RL	< RL	n.a.

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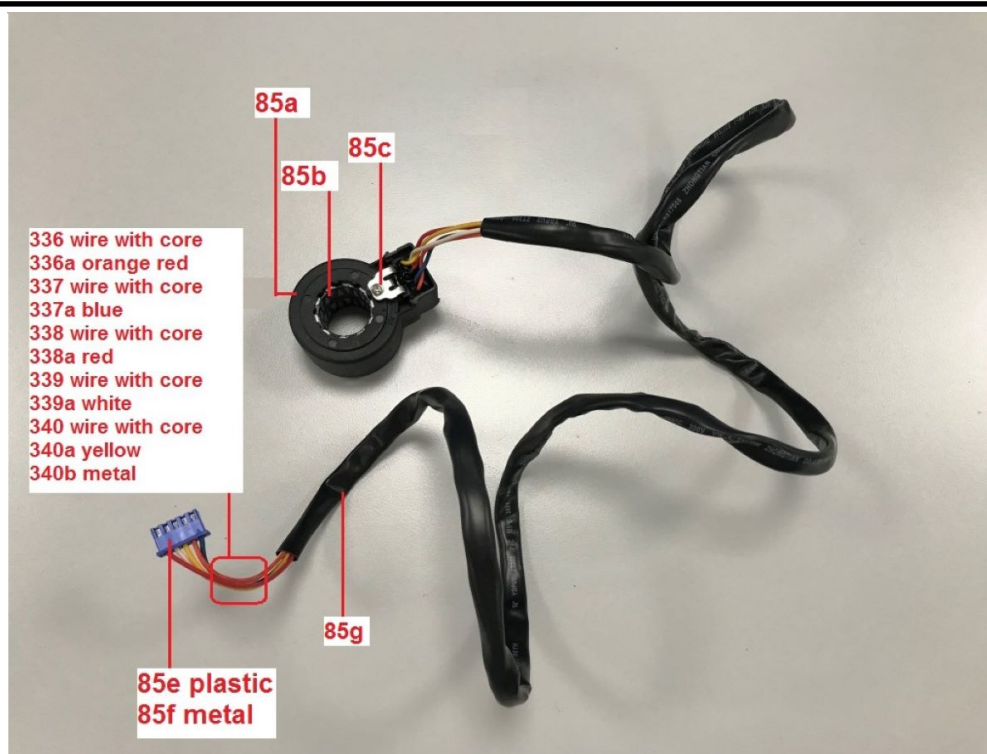
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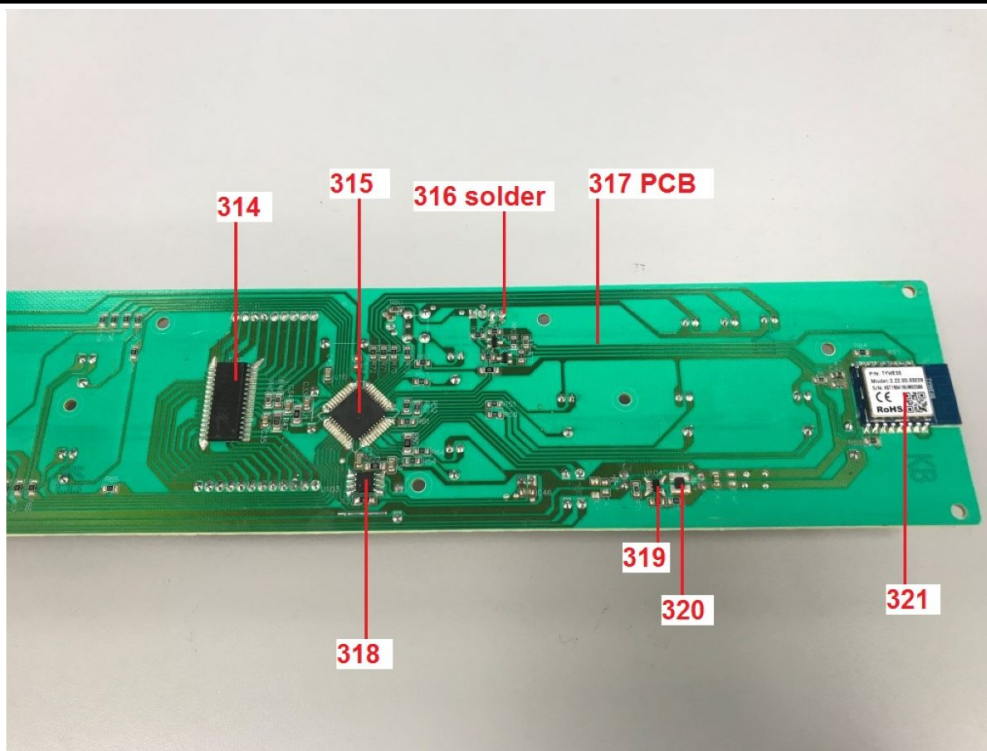
Material No.	Cd	Cr	Pb	Hg	Br
M458	< RL	< RL	< RL	< RL	< RL
M459	< RL	< RL	< RL	< RL	< RL
M460	< RL	< RL	< RL	< RL	d(*2)
M461	< RL	< RL	< RL	< RL	< RL
M462	< RL	< RL	< RL	< RL	< RL
M463	< RL	< RL	< RL	< RL	d(*2)



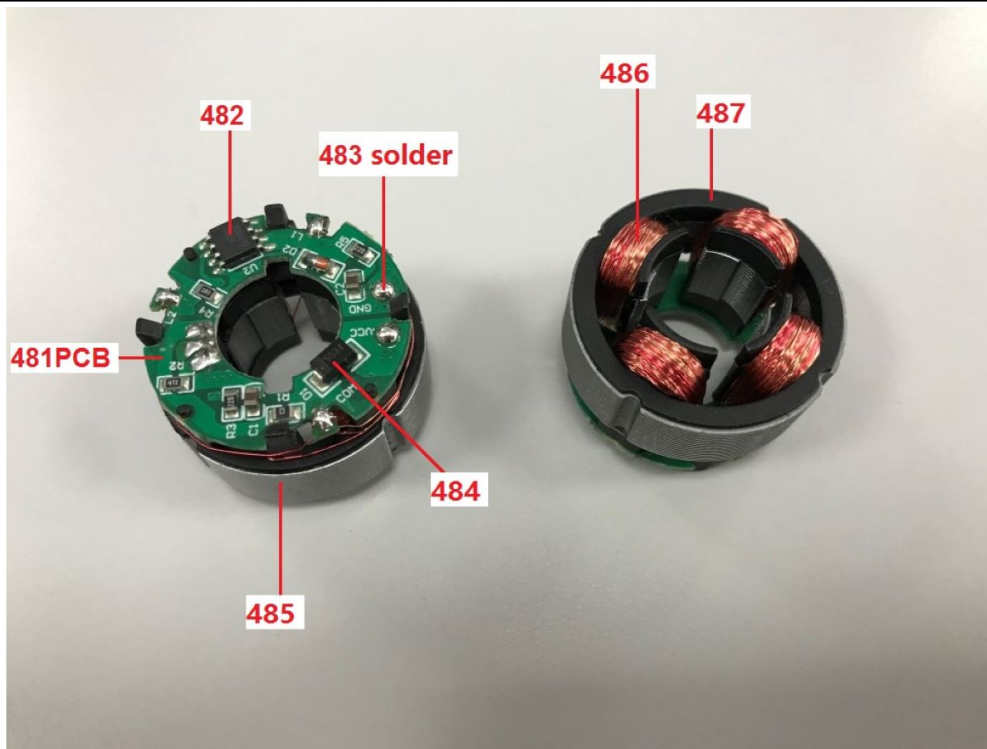
Material No.	Cd	Cr	Pb	Hg	Br
M464	< RL	< RL	< RL	< RL	< RL
M465	< RL	d(*3)	< RL	< RL	n.a.
M466	< RL	< RL	< RL	< RL	< RL
M467	< RL	< RL	< RL	< RL	< RL
M468	< RL	< RL	< RL	< RL	< RL
M469	< RL	d(*3)	< RL	< RL	n.a.



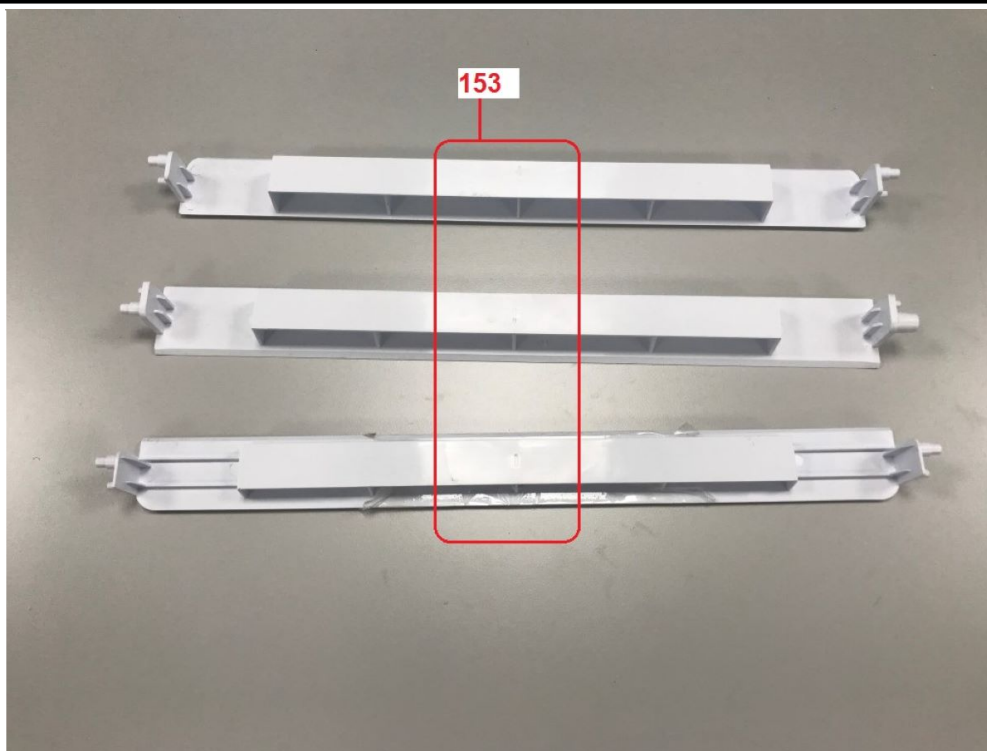
Material No.	Cd	Cr	Pb	Hg	Br
M085a	< RL	< RL	< RL	< RL	d(*2)
M085b	< RL	d(*3)	< RL	< RL	n.a.
M085c	< RL	d(*2)	< RL	< RL	n.a.
M085d	< RL	< RL	< RL	< RL	d(*2)
M085e	< RL	< RL	< RL	< RL	< RL
M085f	< RL	d(*3)	< RL	< RL	n.a.
M085g	< RL	< RL	< RL	< RL	< RL
M336a	< RL	< RL	< RL	< RL	< RL
M337a	< RL	< RL	< RL	< RL	< RL
M338a	< RL	< RL	< RL	< RL	< RL
M339a	< RL	< RL	< RL	< RL	< RL
M340a	< RL	< RL	< RL	< RL	< RL
M340b	< RL	d(*3)	< RL	< RL	n.a.



Material No.	Cd	Cr	Pb	Hg	Br
M314	< RL	< RL	< RL	< RL	< RL
M315	< RL	< RL	< RL	< RL	< RL
M316	< RL	d(*3)	< RL	< RL	n.a.
M317	< RL	< RL	< RL	< RL	d(*2)
M318	< RL	< RL	< RL	< RL	< RL
M319	< RL	< RL	< RL	< RL	< RL
M320	< RL	< RL	< RL	< RL	< RL
M321	< RL	< RL	< RL	< RL	< RL



Material No.	Cd	Cr	Pb	Hg	Br
M481	< RL	< RL	< RL	< RL	d(*2)
M482	< RL	< RL	< RL	< RL	< RL
M483	< RL	d(*3)	< RL	< RL	n.a.
M484	< RL	< RL	< RL	< RL	< RL
M485	< RL	d(*2)	< RL	< RL	n.a.
M486	< RL	d(*3)	< RL	< RL	n.a.
M487	< RL	< RL	< RL	< RL	d(*2)



Material No.	Cd	Cr	Pb	Hg	Br
M153	< RL	< RL	< RL	< RL	< RL

Abbreviation: Pb = Lead
 Cd = Cadmium
 Hg = Mercury
 Cr = Chromium
 Br = Bromine
 n.a. = not applicable
 < = less than
 RL = Reporting Limit
 d.= detected

Material No.	Boiling-water-extraction for Cr(VI) (*3)
M001b	negative
M001c	negative
M001d	negative
M001g	negative
M001h	negative
M001i	negative
M001j	negative

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M002b	negative
M002c	negative
M004a	negative
M004b	negative
M004c	negative
M005	negative
M016a	negative
M017b	negative
M017c	negative
M019	negative
M029	negative
M042d	negative
M044	negative
M050e	negative
M050h	negative
M056a	negative
M056b	negative
M056c	negative
M056e	negative
M056i	negative
M058d	negative
M059d	negative
M060	negative
M085b	negative
M085f	negative
M087f	negative
M087h	negative
M089c	negative
M089f	negative
M089h	negative
M089i	negative
M089k	negative
M089l	negative
M089n	negative
M089q	negative
M089r	negative
M089t	negative
M089u	negative
M089v	negative
M089y	negative
M096h	negative

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M099a	negative
M099c	negative
M099d	negative
M099e	negative
M099g	negative
M099h	negative
M099j	negative
M099l	negative
M099m	negative
M099n	negative
M099q	negative
M099y	negative
M103	negative
M104c	negative
M104d	negative
M104f	negative
M104n	negative
M105b	negative
M105d	negative
M107a	negative
M107b	negative
M112b	negative
M112d	negative
M112f	negative
M118b	negative
M118d	negative
M123b	negative
M125d	negative
M125e	negative
M126aa	negative
M126b	negative
M126d	negative
M126f	negative
M126h	negative
M126i	negative
M126l	negative
M126m	negative
M126u	negative
M126w	negative
M133a	negative
M133b	negative

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M133c	negative
M138	negative
M139	negative
M142	negative
M149c	negative
M149g	negative
M156a	negative
M156c	negative
M156e	negative
M156j	negative
M156l	negative
M156n	negative
M164a	negative
M164b	negative
M179	negative
M180b	negative
M181b	negative
M181e	negative
M181g	negative
M189a	negative
M189e	negative
M189g	negative
M191b	negative
M196b	negative
M201b	negative
M230	negative
M231	negative
M237	negative
M244	negative
M246	negative
M247	negative
M250	negative
M255	negative
M257	negative
M258	negative
M266	negative
M269	negative
M273	negative
M274	negative
M284	negative
M285	negative

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M286	negative
M287	negative
M289	negative
M291	negative
M294	negative
M300	negative
M304	negative
M316	negative
M322	negative
M330b	negative
M331b	negative
M333b	negative
M340b	negative
M341b	negative
M343b	negative
M346b	negative
M351b	negative
M353b	negative
M063	negative
M064	negative
M065	negative
M066	negative
M067	negative
M068	negative
M104q	negative
M218	negative
M225	negative
M226b	negative
M356	negative
M358b	negative
M361b	negative
M367	negative
M368	negative
M369	negative
M376	negative
M378	negative
M380	negative
M381b	negative
M384b	negative
M386	negative
M395	negative

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M396b	negative
M400	negative
M404	negative
M405	negative
M407	negative
M415	negative
M416	negative
M417	negative
M418	negative
M419	negative
M421b	negative
M424	negative
M427b	negative
M429	negative
M431	negative
M432	negative
M435	negative
M437	negative
M438	negative
M439	negative
M440	negative
M444	negative
M445	negative
M447	negative
M449	negative
M452	negative
M453	negative
M454	negative
M455	negative
M456	negative
M457	negative
M465	negative
M469	negative
M483	negative
M486	negative
M008-1	negative
M181c-1	negative

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Remark:

- (*1) The screening result was found in the inconclusive region, thus the further wet chemistry tests are suggested.
- (*2) The screening result was detected above the screening limits, thus the further wet chemistry tests are suggested.
- (*3) For metal sample, the Chromium (VI) content has been confirmed with reference to IEC 62321-7-1:2015.
- (*7) Component(s)/ materials(s) with an area of less than 2mm x2 mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason.
For the test sample does not have detail materials information provided by client, visually identical materials (e.g. wire insulation, solder points, etc.) will be considered as the same material.
Solder points on a printing circuit board will be examined several times based on optical anomalies or discoloration of the solder point(s) unless the solder point(s) is obviously generated automatically during production.
All other materials will be sampled and tested at one test point representatively.
- (*8) The Chromium (Cr) and Bromine (Br) in the above result table indicate the total chromium and total bromine by means of XRF screening.
PBBs, or PBDEs content shall be further confirmed with reference to IEC 62321-6:2015.
Chromium (VI) shall be further confirmed with reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017 or EN ISO 17075-1:2017.

XRF Screening limits for different matrices :

Material	Concentration (%)				
	Cd	Cr	Pb	Hg	Br
Metallic	P≤0.006<X≤0.014<F	P≤0.064<X	P≤0.067<X≤0.133<F	P≤0.066<X≤0.134<F	NA
Polymeric	P≤0.006<X≤0.014<F	P≤0.064<X	P≤0.067<X≤0.133<F	P≤0.066<X≤0.134<F	P≤0.029<X
Electronic Components	P≤0.004<X≤0.016<F	P≤0.044<X	P≤0.047<X≤0.153<F	P≤0.046<X≤0.154<F	P≤0.024<X

2.(HM) Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)

Test Method: Total Cadmium, Lead, Mercury, Chromium
- Ref. to IEC 62321-4:2013+AMD1:2017 and IEC 62321-5:2013

Chromium (VI)
- For Metal material - Ref. to IEC 62321-7-1:2015
- For Plastic or Electronic material - Ref. to IEC 62321-7-2:2017
- For Leather material - Ref. to EN ISO 17075-1:2017

PBBs, PBDEs - Ref. to IEC 62321-6:2015

Material List:

Material No.	Material	Color	Location	Test plan
				A = Test HM only B = Test FR only C = Test HM + FR
M001e	Metal	Silvery	Refer to photo	A

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M001f	Metal	Silvery	Refer to photo	A
M009	Metal	Silvery	Refer to photo	A
M010	Metal	Silvery	Refer to photo	A
M014a	Plastic	Black	Refer to photo	B
M014d	Metal	Silvery	Refer to photo	A
M015	Metal	Silvery	Refer to photo	A
M016b	Metal	Silvery	Refer to photo	A
M023-1	Foam	black	Refer to photo	B
M036b	Metal	Silvery	Refer to photo	A
M042b	Metal	Silvery	Refer to photo	A
M050d	Metal	Silvery	Refer to photo	A
M050i	Metal	Silvery	Refer to photo	A
M056d	Metal	Silvery	Refer to photo	A
M056f	Metal	Silvery	Refer to photo	A
M059b	Metal	Silvery	Refer to photo	A
M059c	Metal	Silvery	Refer to photo	A
M069	Metal	Silvery	Refer to photo	A
M085a	Plastic	Black	Refer to photo	B
M085c	Metal	Silvery	Refer to photo	A
M085d	Resin	Black	Refer to photo	B
M087c	Metal	Silvery	Refer to photo	A
M087g	Plastic	Blue	Refer to photo	B
M089a-1	Plastic	beige	Refer to photo	B
M089g	Magnet	Dark grey	Refer to photo	A
M089p	Metal	Silvery	Refer to photo	A
M099d	Metal	Silvery	Refer to photo	A
M099k	Metal	Silvery	Refer to photo	A
M104a	Metal	Silvery	Refer to photo	A
M104i	Metal	Silvery	Refer to photo	A
M104l	Metal	Silvery	Refer to photo	A
M104p	Plastic	White	Refer to photo	B
M115	Metal	Silvery	Refer to photo	A
M122	Plastic	Black	Refer to photo	B
M124	Plastic	Black	Refer to photo	B
M125a	Metal	Silvery	Refer to photo	A
M125f	Metal	Silvery	Refer to photo	A
M126c	Plastic	Black	Refer to photo	B

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M126j	Metal	Silvery	Refer to photo	A
M126k	Metal	Silvery	Refer to photo	A
M126v	PCB board	Green	Refer to photo	B
M127	Plastic	Black	Refer to photo	B
M132	Plastic	Black	Refer to photo	B
M156d	Metal	Silvery	Refer to photo	A
M156g	Metal	Silvery	Refer to photo	A
M156h	Plastic	White	Refer to photo	B
M156k	PCB board	Green	Refer to photo	B
M158	Plastic	Black	Refer to photo	B
M189d	Metal	Silvery	Refer to photo	A
M189f	Metal	Silvery	Refer to photo	A
M190f	Metal	Silvery	Refer to photo	A
M190g	Metal	Silvery	Refer to photo	A
M190h	Metal	Silvery	Refer to photo	A
M216	Metal	Silvery	Refer to photo	A
M232	Electronic components	Black	Refer to photo	B
M233	Electronic components	Black	Refer to photo	B
M254	Plastic	White	Refer to photo	B
M264	Metal	Silvery/black	Refer to photo	A
M270	Plastic + printing	Yellow/black	Refer to photo	B
M271	Resin	Yellow	Refer to photo	B
M277	Plastic	Black	Refer to photo	B
M279	Plastic	Yellow	Refer to photo	B
M280	Plastic	Red	Refer to photo	B
M283	Plastic	Black	Refer to photo	B
M293	PCB board	Green	Refer to photo	B
M305	Electronic components	Black	Refer to photo	B
M309	Plastic	Transparent	Refer to photo	B
M311	Plastic	White	Refer to photo	B
M312	Plastic	red	Refer to photo	B
M317	PCB board	Green	Refer to photo	B
M325	PCB board	Dark blue	Refer to photo	B
M326	Electronic components	Light gold	Refer to photo	A
M366	Plastic	White	Refer to photo	B

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M370	Metal	Silvery	Refer to photo	A
M377	Metal	Silvery	Refer to photo	A
M401	Electronic components	Black	Refer to photo	A
M405	Metal	Gold	Refer to photo	A
M406	Metal	Silvery	Refer to photo	A
M407	Metal	Gold	Refer to photo	A
M409	Metal	Silvery	Refer to photo	A
M410	Metal	Black	Refer to photo	A
M411	Metal	Silvery	Refer to photo	A
M412	Metal	Silvery	Refer to photo	A
M413	Metal	Silvery	Refer to photo	A
M414	Metal	Silvery	Refer to photo	A
M420	Ceramic	grey	Refer to photo	A
M423	Metal	Silvery	Refer to photo	A
M425	Metal	Silvery	Refer to photo	A
M436	Metal	Silvery	Refer to photo	A
M441	Metal	Silvery	Refer to photo	A
M460	Plastic	black	Refer to photo	B
M463	Plastic	black	Refer to photo	B
M481	PCB board	green	Refer to photo	B
M485	Metal	silvery	Refer to photo	A
M487	Plastic	black	Refer to photo	B

Abbreviation: HM (Heavy metal) = Cd, Pb, Hg, Cr (VI)
FR (Flame Retardant) = PBBs, PBDEs

Test Result:

	Cd	Cr(VI)	Pb	Hg	PBBs (*)	PBDEs (*)
Maximum Permissible Limit (%)	0.01	0.1	0.1	0.1	0.1	0.1

Material No.	(%)					
	Cd	Cr(VI)	Pb	Hg	PBBs (*)	PBDEs (*)
	RL (%)					
	0.0002	0.0002	0.0002	0.0002	-- (*)	-- (*)
M001e	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M001f	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.

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M009	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M010	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M014a	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M014d	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M015	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M016b	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M023-1	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M036b	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M042b	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M050d	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M050i	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M056d	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M056f	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M059b	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M059c	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M069	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M085a	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M085c	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M085d	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M087c	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M087g	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M089a-1	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M089g	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M089p	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M099d	0.893(*5)	n.a.	n.a.	n.a.	n.a.	n.a.
M099k	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M104a	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M104i	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M104l	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M104p	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M115	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M122	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M124	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M125a	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.

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M125f	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M126c	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M126j	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M126k	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M126v	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M127	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M132	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M156d	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M156g	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M156h	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M156k	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M158	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M189d	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M189f	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M190f	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M190g	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M190h	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M216	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M232	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M233	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M254	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M264	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M270	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M271	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M277	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M279	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M280	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M283	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M293	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M305	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M309	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M311	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M312	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M317	n.a.	n.a.	n.a.	n.a.	< RL	< RL

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M325	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M326	n.a.	< RL	n.a.	n.a.	n.a.	n.a.
M366	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M370	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M377	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M401	n.a.	< RL	0.0622	n.a.	n.a.	n.a.
M405	n.a.	n.a.	1.80(*4)	n.a.	n.a.	n.a.
M406	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M407	n.a.	n.a.	2.06(*4)	n.a.	n.a.	n.a.
M409	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M410	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M411	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M412	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M413	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M414	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M420	n.a.	< RL	n.a.	n.a.	n.a.	n.a.
M423	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M425	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M436	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M441	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M460	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M463	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M481	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M485	n.a.	d(*1)	n.a.	n.a.	n.a.	n.a.
M487	n.a.	n.a.	n.a.	n.a.	< RL	< RL

Material No.	Boiling-water-extraction for Cr (VI) (*1)
M001e	negative
M001f	negative
M009	negative
M010	negative
M014d	negative
M015	negative
M016b	negative
M036b	negative

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M042b	negative
M050d	negative
M050i	negative
M056d	negative
M056f	negative
M059b	negative
M059c	negative
M085c	negative
M087c	negative
M089g	negative
M089p	negative
M099k	negative
M104a	negative
M104i	negative
M104l	negative
M115	negative
M125a	negative
M125f	negative
M126j	negative
M126k	negative
M156d	negative
M156g	negative
M189d	negative
M189f	negative
M190f	negative
M190g	negative
M190h	negative
M264	negative
M069	negative
M216	negative
M370	negative
M377	negative
M406	negative
M409	negative
M410	negative
M411	negative
M412	negative
M413	negative
M414	negative
M423	negative
M425	negative

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M436	negative
M441	negative
M485	negative

Abbreviation:

Pb	= Lead
Cd	= Cadmium
Hg	= Mercury
Cr	= Chromium
Cr (VI)	= Chromium (VI)
PBBs	= Total Polybrominated Biphenyls
PBDEs	= Total Polybrominated Diphenyl Ethers
<	= Less than
RL	= Reporting Limit
n.a.	= Not Applicable
%	= percentage

Remark:

- *1 The Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	<0.1µg/cm ²	The sample is negative (-ve) for Cr(VI). The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating
Inconclusive	≥0.1µg/cm ² and ≤0.13 µg/cm ²	The result is considered to be inconclusive. Unavoidable coating variations may influence the determination. Recommendation: if additional samples are available, perform a total of 3 trials to increase sampling surface area. Use the averaged result of the 3 trails for the final determination.
Positive	>0.13 µg/cm ²	The sample is positive (+ve) for Cr(VI). Concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

- (*4) According to Annex III of 2011/65/EU, "Copper alloy containing up to 4% lead by weight". is exempt from the requirements of Article 4(1). This exemption applies to testing sample No.M405,M407.
- (*5) According to (EU) 2019/171 and Annex III of directive 2011/65/EU, 8(b)-I: Cadmium and its compounds in electrical contacts is exempted from requirement. This exemption applies to testing sample No.: M099d.

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3. BBP, DBP, DEHP, DIBP content

Test Method: IEC 62321-8:2017

Test Result:

	BBP	DBP	DEHP	DIBP
Maximum permissible Limit (%)	0.1	0.1	0.1	0.1

Test No.	Material No.	RL (%)			
		BBP	DBP	DEHP	DIBP
		0.005			
		0.005	0.005	0.005	0.005
T001	M001a + M003 + M006	< RL	< RL	< RL	< RL
T002	M014a + M014b + M014c	< RL	< RL	< RL	< RL
T003	M017a + M022 + M025	< RL	< RL	0.027	< RL
T004	M026 + M030 + M032	< RL	< RL	< RL	< RL
T005	M033 + M034 + M035	< RL	< RL	< RL	< RL
T006	M036a + M036c + M037	< RL	< RL	< RL	< RL
T007	M038 + M039 + M040	< RL	< RL	< RL	< RL
T008	M042a + M042c + M046	< RL	< RL	< RL	< RL
T010	M049 + M050g + M054	< RL	< RL	< RL	< RL
T012	M085a + M085e + M085g	< RL	< RL	< RL	< RL
T013	M087a + M087b + M087d	< RL	< RL	< RL	< RL
T014	M087e + M087g + M089a(*)	< RL	< RL	< RL	< RL
T015	M089b + M089d + M089e	< RL	< RL	< RL	< RL
T016	M089m + M089s + M089x	< RL	< RL	< RL	< RL
T017	M091 + M092 + M093	< RL	< RL	< RL	< RL
T018	M095a + M095b + M096a	< RL	< RL	< RL	< RL
T019	M096b + M096c + M096d	< RL	< RL	< RL	< RL

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T020	M096e + M096g + M099b	< RL	< RL	< RL	< RL
T021	M099i + M099r + M099t	< RL	< RL	< RL	< RL
T022	M099x + M104b + M104e	< RL	< RL	< RL	< RL
T024	M104k + M104m + M104o	< RL	< RL	< RL	< RL
T026	M112a + M112c + M113	< RL	< RL	< RL	< RL
T027	M118a + M118c + M122	< RL	< RL	0.007	< RL
T028	M124 + M125b + M125c	< RL	< RL	< RL	< RL
T029	M126a + M126ab + M126c	< RL	< RL	< RL	< RL
T031	M126z + M127 + M128	< RL	< RL	< RL	< RL
T032	M129 + M132 + M147	< RL	< RL	< RL	< RL
T036	M156h + M156i + M156m	< RL	< RL	< RL	< RL
T037	M156o + M157 + M158	< RL	< RL	< RL	< RL
T039	M166 + M167a + M167b	< RL	< RL	< RL	< RL
T040	M176 + M180a + M180c	< RL	< RL	< RL	< RL
T041	M180d + M181a + M181d	< RL	< RL	< RL	< RL
T042	M181h + M182 + M186	< RL	< RL	< RL	< RL
T043	M189b + M189c + M190b	< RL	< RL	< RL	< RL
T045	M192a + M193a + M194a	< RL	< RL	0.005	< RL
T046	M195a + M196a + M197a	< RL	0.021	0.007	< RL
T050	M256 + M260 + M261	< RL	< RL	< RL	< RL
T051	M265 + M268 + M272	< RL	< RL	< RL	< RL
T052	M275 + M277 + M278	< RL	< RL	< RL	< RL
T053	M279 + M280 + M283	< RL	< RL	< RL	< RL
T055	M307 + M308 + M309	< RL	< RL	< RL	< RL

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T057	M327a + M328a + M329a	< RL	< RL	< RL	< RL
T058	M330a + M331a + M332a	< RL	< RL	< RL	< RL
T060	M336a + M337a + M338a	< RL	< RL	< RL	< RL
T061	M339a + M340a + M341a	< RL	< RL	< RL	< RL
T062	M342a + M343a + M344a	< RL	< RL	< RL	< RL
T063	M345a + M346a + M347a	< RL	< RL	0.021	< RL
T064	M348a + M349a + M350a	< RL	< RL	0.006	< RL
T067	M251 + M259 + M270	< RL	< RL	< RL	< RL
T069	M149e + M242 + M310	< RL	< RL	< RL	< RL
T074	M156f + M321	< RL	< RL	< RL	< RL
T075	M096f + M099p + M184a	< RL	< RL	< RL	< RL
T076	M239	< RL	< RL	< RL	< RL
T077	M126v + M156k + M293	< RL	< RL	< RL	< RL
T078	M317 + M325	< RL	< RL	< RL	< RL
T079	M002a + M123a + M184b	< RL	< RL	< RL	< RL
T081	M017d + M153 + M184c	< RL	< RL	< RL	< RL
T082	M001k + M036d + M036e	< RL	< RL	< RL	< RL
T083	M036f + M104p + M104r	< RL	< RL	< RL	< RL
T087	M223 + M224 + M226a	< RL	< RL	< RL	< RL
T089	M355 + M358a + M359a	< RL	< RL	0.010	< RL
T090	M360a + M361a + M362a	< RL	< RL	< RL	< RL
T096	M389(*) + M391a(*) + M394	< RL	< RL	< RL	< RL
T097	M396a + M397a + M398	< RL	< RL	< RL	< RL
T098	M403 + M408 + M430	< RL	< RL	< RL	< RL

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T099	M421a	< RL	< RL	0.019	< RL
T100	M422	< RL	< RL	< RL	< RL
T101	M427a + M428a	< RL	< RL	< RL	< RL
T102	M433 + M434 + M442	< RL	< RL	< RL	< RL
T104	M448	< RL	< RL	< RL	< RL
T035	M149j + M156b	< RL	< RL	< RL	< RL
T086	M219 + M220 + M221	< RL	< RL	< RL	< RL
T105	M089z + M164e	< RL	< RL	< RL	< RL
T107	M105c	< RL	< RL	< RL	< RL
T108	M106	< RL	< RL	< RL	< RL
T109	M148	< RL	< RL	< RL	< RL
T112	M149f	< RL	< RL	< RL	< RL
T115	M164c	< RL	< RL	< RL	< RL
T116	M164d	< RL	< RL	< RL	< RL
T120	M191a	< RL	< RL	< RL	< RL
T121	M201a	< RL	0.024	0.014	< RL
T123	M263	< RL	< RL	< RL	< RL
T129	M353a	< RL	< RL	< RL	< RL
T131	M024	< RL	< RL	< RL	< RL
T132	M047	< RL	< RL	< RL	< RL
T134	M190i	< RL	< RL	< RL	< RL
T135	M217	< RL	< RL	< RL	< RL
T136	M363a	< RL	< RL	< RL	< RL
T137	M364	< RL	< RL	0.007	< RL
T139	M366	< RL	< RL	< RL	< RL
T140	M372	< RL	< RL	< RL	< RL
T149	M385	< RL	< RL	< RL	< RL
T151	M458 + M459 + M460	< RL	< RL	< RL	< RL
T152	M461 + M462 + M463	< RL	< RL	< RL	< RL
T153	M466 + M467 + M468	< RL	< RL	< RL	< RL
T155	M089a-1 + M480(*) + M487	< RL	< RL	< RL	< RL
T156	M481	< RL	< RL	< RL	< RL

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T157	M023-1 + M451 -1	< RL	< RL	< RL	< RL
T159	M168 + M169 + M170	< RL	< RL	< RL	< RL
T030	M126g + M126x + M126y	< RL	< RL	< RL	< RL
T088	M227a + M228 + M229	< RL	< RL	< RL	< RL
T161	M050a	< RL	< RL	0.048	< RL
T162	M055 + M059a	< RL	< RL	< RL	< RL
T163	M443	< RL	< RL	< RL	< RL
T164	M112e + M450	< RL	< RL	0.009	< RL
T166	M248	< RL	< RL	< RL	< RL
T167	M354a	< RL	< RL	< RL	< RL
-	M001b	n.a.	n.a.	n.a.	n.a.
-	M001c	n.a.	n.a.	n.a.	n.a.
-	M001d	n.a.	n.a.	n.a.	n.a.
-	M001e	n.a.	n.a.	n.a.	n.a.
-	M001f	n.a.	n.a.	n.a.	n.a.
-	M001g	n.a.	n.a.	n.a.	n.a.
-	M001h	n.a.	n.a.	n.a.	n.a.
-	M001i	n.a.	n.a.	n.a.	n.a.
-	M001j	n.a.	n.a.	n.a.	n.a.
-	M002b	n.a.	n.a.	n.a.	n.a.
-	M004a	n.a.	n.a.	n.a.	n.a.
-	M004b	n.a.	n.a.	n.a.	n.a.
-	M004c	n.a.	n.a.	n.a.	n.a.
-	M005	n.a.	n.a.	n.a.	n.a.
-	M009	n.a.	n.a.	n.a.	n.a.
-	M010	n.a.	n.a.	n.a.	n.a.
-	M011	n.a.	n.a.	n.a.	n.a.
-	M014d	n.a.	n.a.	n.a.	n.a.
-	M015	n.a.	n.a.	n.a.	n.a.
-	M016a	n.a.	n.a.	n.a.	n.a.
-	M016b	n.a.	n.a.	n.a.	n.a.
-	M017b	n.a.	n.a.	n.a.	n.a.
-	M019	n.a.	n.a.	n.a.	n.a.
-	M029	n.a.	n.a.	n.a.	n.a.

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-	M036b	n.a.	n.a.	n.a.	n.a.
-	M053	n.a.	n.a.	n.a.	n.a.
-	M056a	n.a.	n.a.	n.a.	n.a.
-	M056b	n.a.	n.a.	n.a.	n.a.
-	M056c	n.a.	n.a.	n.a.	n.a.
-	M056d	n.a.	n.a.	n.a.	n.a.
-	M056e	n.a.	n.a.	n.a.	n.a.
-	M056f	n.a.	n.a.	n.a.	n.a.
-	M056h	n.a.	n.a.	n.a.	n.a.
-	M056i	n.a.	n.a.	n.a.	n.a.
-	M058d	n.a.	n.a.	n.a.	n.a.
-	M059b	n.a.	n.a.	n.a.	n.a.
-	M059c	n.a.	n.a.	n.a.	n.a.
-	M059d	n.a.	n.a.	n.a.	n.a.
-	M060	n.a.	n.a.	n.a.	n.a.
-	M086	n.a.	n.a.	n.a.	n.a.
-	M087c	n.a.	n.a.	n.a.	n.a.
-	M087f	n.a.	n.a.	n.a.	n.a.
-	M087h	n.a.	n.a.	n.a.	n.a.
-	M089c	n.a.	n.a.	n.a.	n.a.
-	M089f	n.a.	n.a.	n.a.	n.a.
-	M089g	n.a.	n.a.	n.a.	n.a.
-	M089h	n.a.	n.a.	n.a.	n.a.
-	M089i	n.a.	n.a.	n.a.	n.a.
-	M089j	n.a.	n.a.	n.a.	n.a.
-	M089k	n.a.	n.a.	n.a.	n.a.
-	M089l	n.a.	n.a.	n.a.	n.a.
-	M089n	n.a.	n.a.	n.a.	n.a.
-	M089o	n.a.	n.a.	n.a.	n.a.
-	M089p	n.a.	n.a.	n.a.	n.a.
-	M089q	n.a.	n.a.	n.a.	n.a.
-	M089r	n.a.	n.a.	n.a.	n.a.
-	M099a	n.a.	n.a.	n.a.	n.a.
-	M099c	n.a.	n.a.	n.a.	n.a.
-	M099d	n.a.	n.a.	n.a.	n.a.

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-	M099e	n.a.	n.a.	n.a.	n.a.
-	M099f	n.a.	n.a.	n.a.	n.a.
-	M099g	n.a.	n.a.	n.a.	n.a.
-	M099h	n.a.	n.a.	n.a.	n.a.
-	M099j	n.a.	n.a.	n.a.	n.a.
-	M099k	n.a.	n.a.	n.a.	n.a.
-	M099l	n.a.	n.a.	n.a.	n.a.
-	M099m	n.a.	n.a.	n.a.	n.a.
-	M099n	n.a.	n.a.	n.a.	n.a.
-	M099o	n.a.	n.a.	n.a.	n.a.
-	M099q	n.a.	n.a.	n.a.	n.a.
-	M099s	n.a.	n.a.	n.a.	n.a.
-	M099v	n.a.	n.a.	n.a.	n.a.
-	M099w	n.a.	n.a.	n.a.	n.a.
-	M099y	n.a.	n.a.	n.a.	n.a.
-	M103	n.a.	n.a.	n.a.	n.a.
-	M104a	n.a.	n.a.	n.a.	n.a.
-	M104c	n.a.	n.a.	n.a.	n.a.
-	M104d	n.a.	n.a.	n.a.	n.a.
-	M104f	n.a.	n.a.	n.a.	n.a.
-	M104g	n.a.	n.a.	n.a.	n.a.
-	M104h	n.a.	n.a.	n.a.	n.a.
-	M104i	n.a.	n.a.	n.a.	n.a.
-	M104j	n.a.	n.a.	n.a.	n.a.
-	M104l	n.a.	n.a.	n.a.	n.a.
-	M104n	n.a.	n.a.	n.a.	n.a.
-	M105b	n.a.	n.a.	n.a.	n.a.
-	M105d	n.a.	n.a.	n.a.	n.a.
-	M201b	n.a.	n.a.	n.a.	n.a.
-	M107a	n.a.	n.a.	n.a.	n.a.
-	M107b	n.a.	n.a.	n.a.	n.a.
-	M112b	n.a.	n.a.	n.a.	n.a.
-	M112d	n.a.	n.a.	n.a.	n.a.
-	M112f	n.a.	n.a.	n.a.	n.a.
-	M115	n.a.	n.a.	n.a.	n.a.

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-	M118b	n.a.	n.a.	n.a.	n.a.
-	M118d	n.a.	n.a.	n.a.	n.a.
-	M123b	n.a.	n.a.	n.a.	n.a.
-	M125a	n.a.	n.a.	n.a.	n.a.
-	M125d	n.a.	n.a.	n.a.	n.a.
-	M125e	n.a.	n.a.	n.a.	n.a.
-	M125f	n.a.	n.a.	n.a.	n.a.
-	M126b	n.a.	n.a.	n.a.	n.a.
-	M126d	n.a.	n.a.	n.a.	n.a.
-	M126e	n.a.	n.a.	n.a.	n.a.
-	M126f	n.a.	n.a.	n.a.	n.a.
-	M126h	n.a.	n.a.	n.a.	n.a.
-	M126i	n.a.	n.a.	n.a.	n.a.
-	M126j	n.a.	n.a.	n.a.	n.a.
-	M126k	n.a.	n.a.	n.a.	n.a.
-	M126l	n.a.	n.a.	n.a.	n.a.
-	M126m	n.a.	n.a.	n.a.	n.a.
-	M126n	n.a.	n.a.	n.a.	n.a.
-	M126o	n.a.	n.a.	n.a.	n.a.
-	M126p	n.a.	n.a.	n.a.	n.a.
-	M126r	n.a.	n.a.	n.a.	n.a.
-	M126s	n.a.	n.a.	n.a.	n.a.
-	M126t	n.a.	n.a.	n.a.	n.a.
-	M126u	n.a.	n.a.	n.a.	n.a.
-	M126w	n.a.	n.a.	n.a.	n.a.
-	M126aa	n.a.	n.a.	n.a.	n.a.
-	M126ac	n.a.	n.a.	n.a.	n.a.
-	M138	n.a.	n.a.	n.a.	n.a.
-	M139	n.a.	n.a.	n.a.	n.a.
-	M142	n.a.	n.a.	n.a.	n.a.
-	M346b	n.a.	n.a.	n.a.	n.a.
-	M149k	n.a.	n.a.	n.a.	n.a.
-	M156a	n.a.	n.a.	n.a.	n.a.
-	M156c	n.a.	n.a.	n.a.	n.a.
-	M156d	n.a.	n.a.	n.a.	n.a.

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-	M156e	n.a.	n.a.	n.a.	n.a.
-	M156g	n.a.	n.a.	n.a.	n.a.
-	M156j	n.a.	n.a.	n.a.	n.a.
-	M156l	n.a.	n.a.	n.a.	n.a.
-	M156n	n.a.	n.a.	n.a.	n.a.
-	M191b	n.a.	n.a.	n.a.	n.a.
-	M181b	n.a.	n.a.	n.a.	n.a.
-	M181e	n.a.	n.a.	n.a.	n.a.
-	M181g	n.a.	n.a.	n.a.	n.a.
-	M196b	n.a.	n.a.	n.a.	n.a.
-	M189a	n.a.	n.a.	n.a.	n.a.
-	M189d	n.a.	n.a.	n.a.	n.a.
-	M189e	n.a.	n.a.	n.a.	n.a.
-	M189f	n.a.	n.a.	n.a.	n.a.
-	M189g	n.a.	n.a.	n.a.	n.a.
-	M190f	n.a.	n.a.	n.a.	n.a.
-	M190g	n.a.	n.a.	n.a.	n.a.
-	M190h	n.a.	n.a.	n.a.	n.a.
-	M230	n.a.	n.a.	n.a.	n.a.
-	M231	n.a.	n.a.	n.a.	n.a.
-	M232	n.a.	n.a.	n.a.	n.a.
-	M233	n.a.	n.a.	n.a.	n.a.
-	M235	n.a.	n.a.	n.a.	n.a.
-	M236	n.a.	n.a.	n.a.	n.a.
-	M237	n.a.	n.a.	n.a.	n.a.
-	M238	n.a.	n.a.	n.a.	n.a.
-	M241	n.a.	n.a.	n.a.	n.a.
-	M243	n.a.	n.a.	n.a.	n.a.
-	M244	n.a.	n.a.	n.a.	n.a.
-	M245	n.a.	n.a.	n.a.	n.a.
-	M246	n.a.	n.a.	n.a.	n.a.
-	M247	n.a.	n.a.	n.a.	n.a.
-	M249	n.a.	n.a.	n.a.	n.a.
-	M250	n.a.	n.a.	n.a.	n.a.
-	M252	n.a.	n.a.	n.a.	n.a.

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-	M253	n.a.	n.a.	n.a.	n.a.
-	M254	n.a.	n.a.	n.a.	n.a.
-	M255	n.a.	n.a.	n.a.	n.a.
-	M257	n.a.	n.a.	n.a.	n.a.
-	M258	n.a.	n.a.	n.a.	n.a.
-	M262	n.a.	n.a.	n.a.	n.a.
-	M264	n.a.	n.a.	n.a.	n.a.
-	M266	n.a.	n.a.	n.a.	n.a.
-	M267	n.a.	n.a.	n.a.	n.a.
-	M269	n.a.	n.a.	n.a.	n.a.
-	M271	n.a.	n.a.	n.a.	n.a.
-	M273	n.a.	n.a.	n.a.	n.a.
-	M274	n.a.	n.a.	n.a.	n.a.
-	M276	n.a.	n.a.	n.a.	n.a.
-	M281	n.a.	n.a.	n.a.	n.a.
-	M282	n.a.	n.a.	n.a.	n.a.
-	M284	n.a.	n.a.	n.a.	n.a.
-	M285	n.a.	n.a.	n.a.	n.a.
-	M286	n.a.	n.a.	n.a.	n.a.
-	M287	n.a.	n.a.	n.a.	n.a.
-	M289	n.a.	n.a.	n.a.	n.a.
-	M290	n.a.	n.a.	n.a.	n.a.
-	M291	n.a.	n.a.	n.a.	n.a.
-	M292	n.a.	n.a.	n.a.	n.a.
-	M294	n.a.	n.a.	n.a.	n.a.
-	M133a	n.a.	n.a.	n.a.	n.a.
-	M133b	n.a.	n.a.	n.a.	n.a.
-	M133c	n.a.	n.a.	n.a.	n.a.
-	M179	n.a.	n.a.	n.a.	n.a.
-	M300	n.a.	n.a.	n.a.	n.a.
-	M301	n.a.	n.a.	n.a.	n.a.
-	M302	n.a.	n.a.	n.a.	n.a.
-	M303	n.a.	n.a.	n.a.	n.a.
-	M304	n.a.	n.a.	n.a.	n.a.
-	M305	n.a.	n.a.	n.a.	n.a.

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-	M311	n.a.	n.a.	n.a.	n.a.
-	M312	n.a.	n.a.	n.a.	n.a.
-	M313	n.a.	n.a.	n.a.	n.a.
-	M314	n.a.	n.a.	n.a.	n.a.
-	M315	n.a.	n.a.	n.a.	n.a.
-	M316	n.a.	n.a.	n.a.	n.a.
-	M318	n.a.	n.a.	n.a.	n.a.
-	M319	n.a.	n.a.	n.a.	n.a.
-	M320	n.a.	n.a.	n.a.	n.a.
-	M322	n.a.	n.a.	n.a.	n.a.
-	M323	n.a.	n.a.	n.a.	n.a.
-	M324	n.a.	n.a.	n.a.	n.a.
-	M326	n.a.	n.a.	n.a.	n.a.
-	M330b	n.a.	n.a.	n.a.	n.a.
-	M180b	n.a.	n.a.	n.a.	n.a.
-	M096h	n.a.	n.a.	n.a.	n.a.
-	M331b	n.a.	n.a.	n.a.	n.a.
-	M333b	n.a.	n.a.	n.a.	n.a.
-	M050d	n.a.	n.a.	n.a.	n.a.
-	M050e	n.a.	n.a.	n.a.	n.a.
-	M050h	n.a.	n.a.	n.a.	n.a.
-	M050i	n.a.	n.a.	n.a.	n.a.
-	M340b	n.a.	n.a.	n.a.	n.a.
-	M085b	n.a.	n.a.	n.a.	n.a.
-	M085c	n.a.	n.a.	n.a.	n.a.
-	M085d	n.a.	n.a.	n.a.	n.a.
-	M085f	n.a.	n.a.	n.a.	n.a.
-	M341b	n.a.	n.a.	n.a.	n.a.
-	M089t	n.a.	n.a.	n.a.	n.a.
-	M089u	n.a.	n.a.	n.a.	n.a.
-	M089v	n.a.	n.a.	n.a.	n.a.
-	M089w	n.a.	n.a.	n.a.	n.a.
-	M089y	n.a.	n.a.	n.a.	n.a.
-	M343b	n.a.	n.a.	n.a.	n.a.
-	M164a	n.a.	n.a.	n.a.	n.a.

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-	M164b	n.a.	n.a.	n.a.	n.a.
-	M149c	n.a.	n.a.	n.a.	n.a.
-	M149g	n.a.	n.a.	n.a.	n.a.
-	M351b	n.a.	n.a.	n.a.	n.a.
-	M353b	n.a.	n.a.	n.a.	n.a.
-	M042b	n.a.	n.a.	n.a.	n.a.
-	M042d	n.a.	n.a.	n.a.	n.a.
-	M044	n.a.	n.a.	n.a.	n.a.
-	M002c	n.a.	n.a.	n.a.	n.a.
-	M017c	n.a.	n.a.	n.a.	n.a.
-	M063	n.a.	n.a.	n.a.	n.a.
-	M064	n.a.	n.a.	n.a.	n.a.
-	M065	n.a.	n.a.	n.a.	n.a.
-	M066	n.a.	n.a.	n.a.	n.a.
-	M067	n.a.	n.a.	n.a.	n.a.
-	M068	n.a.	n.a.	n.a.	n.a.
-	M069	n.a.	n.a.	n.a.	n.a.
-	M104q	n.a.	n.a.	n.a.	n.a.
-	M189j	n.a.	n.a.	n.a.	n.a.
-	M216	n.a.	n.a.	n.a.	n.a.
-	M218	n.a.	n.a.	n.a.	n.a.
-	M222	n.a.	n.a.	n.a.	n.a.
-	M225	n.a.	n.a.	n.a.	n.a.
-	M226b	n.a.	n.a.	n.a.	n.a.
-	M356	n.a.	n.a.	n.a.	n.a.
-	M357	n.a.	n.a.	n.a.	n.a.
-	M358b	n.a.	n.a.	n.a.	n.a.
-	M361b	n.a.	n.a.	n.a.	n.a.
-	M367	n.a.	n.a.	n.a.	n.a.
-	M368	n.a.	n.a.	n.a.	n.a.
-	M369	n.a.	n.a.	n.a.	n.a.
-	M370	n.a.	n.a.	n.a.	n.a.
-	M376	n.a.	n.a.	n.a.	n.a.
-	M377	n.a.	n.a.	n.a.	n.a.
-	M378	n.a.	n.a.	n.a.	n.a.

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-	M380	n.a.	n.a.	n.a.	n.a.
-	M381b	n.a.	n.a.	n.a.	n.a.
-	M384b	n.a.	n.a.	n.a.	n.a.
-	M386	n.a.	n.a.	n.a.	n.a.
-	M387	n.a.	n.a.	n.a.	n.a.
-	M395	n.a.	n.a.	n.a.	n.a.
-	M396b	n.a.	n.a.	n.a.	n.a.
-	M399	n.a.	n.a.	n.a.	n.a.
-	M400	n.a.	n.a.	n.a.	n.a.
-	M401	n.a.	n.a.	n.a.	n.a.
-	M404	n.a.	n.a.	n.a.	n.a.
-	M405	n.a.	n.a.	n.a.	n.a.
-	M406	n.a.	n.a.	n.a.	n.a.
-	M407	n.a.	n.a.	n.a.	n.a.
-	M409	n.a.	n.a.	n.a.	n.a.
-	M410	n.a.	n.a.	n.a.	n.a.
-	M411	n.a.	n.a.	n.a.	n.a.
-	M412	n.a.	n.a.	n.a.	n.a.
-	M413	n.a.	n.a.	n.a.	n.a.
-	M414	n.a.	n.a.	n.a.	n.a.
-	M415	n.a.	n.a.	n.a.	n.a.
-	M416	n.a.	n.a.	n.a.	n.a.
-	M417	n.a.	n.a.	n.a.	n.a.
-	M418	n.a.	n.a.	n.a.	n.a.
-	M419	n.a.	n.a.	n.a.	n.a.
-	M420	n.a.	n.a.	n.a.	n.a.
-	M421b	n.a.	n.a.	n.a.	n.a.
-	M423	n.a.	n.a.	n.a.	n.a.
-	M424	n.a.	n.a.	n.a.	n.a.
-	M425	n.a.	n.a.	n.a.	n.a.
-	M426	n.a.	n.a.	n.a.	n.a.
-	M427b	n.a.	n.a.	n.a.	n.a.
-	M429	n.a.	n.a.	n.a.	n.a.
-	M431	n.a.	n.a.	n.a.	n.a.
-	M432	n.a.	n.a.	n.a.	n.a.

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-	M435	n.a.	n.a.	n.a.	n.a.
-	M436	n.a.	n.a.	n.a.	n.a.
-	M437	n.a.	n.a.	n.a.	n.a.
-	M438	n.a.	n.a.	n.a.	n.a.
-	M439	n.a.	n.a.	n.a.	n.a.
-	M440	n.a.	n.a.	n.a.	n.a.
-	M441	n.a.	n.a.	n.a.	n.a.
-	M444	n.a.	n.a.	n.a.	n.a.
-	M445	n.a.	n.a.	n.a.	n.a.
-	M447	n.a.	n.a.	n.a.	n.a.
-	M449	n.a.	n.a.	n.a.	n.a.
-	M452	n.a.	n.a.	n.a.	n.a.
-	M453	n.a.	n.a.	n.a.	n.a.
-	M454	n.a.	n.a.	n.a.	n.a.
-	M455	n.a.	n.a.	n.a.	n.a.
-	M456	n.a.	n.a.	n.a.	n.a.
-	M457	n.a.	n.a.	n.a.	n.a.
-	M464	n.a.	n.a.	n.a.	n.a.
-	M465	n.a.	n.a.	n.a.	n.a.
-	M469	n.a.	n.a.	n.a.	n.a.
-	M482	n.a.	n.a.	n.a.	n.a.
-	M483	n.a.	n.a.	n.a.	n.a.
-	M484	n.a.	n.a.	n.a.	n.a.
-	M485	n.a.	n.a.	n.a.	n.a.
-	M486	n.a.	n.a.	n.a.	n.a.
-	M008-1	n.a.	n.a.	n.a.	n.a.
-	M181c-1	n.a.	n.a.	n.a.	n.a.

Abbreviation: BBP= Benzylbutyl phthalate
 DBP= Dibutyl phthalate
 DEHP= Bis(2-ethylhexyl) phthalate
 DIBP= Diisobutyl phthalate
 < = less than
 RL = Reporting Limit
 N.A. = Not Applicable
 %= percentage

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Remark:

- (*) The materials marked (*) need not be shown in this report according to client's requirement. However, the samples are composite sample containing the above marked materials, so they are still listed here.

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Sample Photos



- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

1. Scope

1.1 These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTBC") is made between the client and one or more member entities of TÜV Rheinland in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China hereof refers to Mainland China, Hong Kong and Taiwan. The client hereof includes :

(i) a natural person capable to form legally binding contracts under the applicable laws who concludes the contract not for the purpose of a daily use;

(ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.

1.2 The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.

1.3 Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.

1.4 In the context of an ongoing business relationship with the client, this GTBC shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.

2. Quotations

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

3. Coming into effect and duration of contracts

3.1 The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.

3.2 The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.

3.3 If the contract provides for an extension of the contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a six-week notice prior to the end of the contractual term.

4. Scope of services

4.1 The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided.

4.2 The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.

4.3 TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.

4.4 On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organisations, - use and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the contract.

4.5 In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, unless otherwise expressly agreed in writing.

4.6 If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.

4.7 The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) is not part of the agreed services. This also applies if the client passes on work results - in full or in extracts - to third parties in accordance with clause 11.4.

5. Performance periods/dates

5.1 The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being confirmed as binding by TÜV Rheinland in writing.

5.2 If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.

5.3 Articles 5.1 and 5.2 also apply, even without express approval by the client, to all extensions of agreed periods/dates of performance not caused by TÜV Rheinland.

5.4 TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with clause 6.1 or has not done so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.

5.5 If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.

6. The client's obligation to cooperate

6.1 The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.

6.2 Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available for the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:

- it has required statutory qualifications;
 - the product, service or management system to be certified complies with applicable laws and regulations; and
 - it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
- If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/certificates if any.

6.3 The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.

7. Prices

7.1 If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.

7.2 Unless otherwise agreed, work shall be invoiced according to the progress of the work.

7.3 If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in instalments.

8. Payment terms

8.1 All invoice amounts shall be due for payment without deduction on receipt of the invoice. No discounts and rebates shall be granted.

8.2 Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.

8.3 In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages.

8.4 Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.

8.5 The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.

8.6 Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.

8.7 TÜV Rheinland shall be entitled to demand appropriate advance payments.

8.8 TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees remains under 5% per contractual year, the client shall not have the right to object to the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of changes in fees. If the contract is not terminated, the changed fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.

8.9 Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.

9. Acceptance of work

9.1 Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it immediately.

9.2 If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client refuses acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.

9.3 The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.

9.4 If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.

9.5 If the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing/performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lump sum.

9.6 Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to charge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not completed within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

10. Confidentiality

10.1 For the purpose of these terms and conditions, "confidential information" means all information, documents, images, drawings, know-how, data, samples and project documentation which one party (the "disclosing party") hands over, transfers or otherwise discloses to the other party (the "receiving party"), and the confidential information created during performance of work by TÜV Rheinland, including product testing data, defects, conformity to the technical standard and related reports. Confidential information also includes paper copies and electronic copies of such information. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TÜV Rheinland (non-personal) within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and analysing the provision of services.

10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential before passing it onto the receiving party. The same applies to confidential information transmitted by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality requirements of the information within five working days of oral disclosure. Where the disclosing party fails to do so within the stipulated period, the receiving party shall not take any confidentiality obligations hereunder towards such information.

10.3 All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of work by TÜV Rheinland:

- may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party;
- may not be copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, judicial court, accreditation bodies or third parties that are involved in the performance of the contract;

10.4 The receiving party shall protect its own confidential information, but never with a lesser level of confidentiality than that which is reasonably required.

10.5 Information for which the receiving party can furnish proof that:

- was generally known at the time of disclosure or has become general knowledge without the disclosure of this confidentiality clause by the receiving party; or
- was disclosed to the receiving party by a third party entitled to disclose this information; or
- the receiving party already possessed this information prior to disclosure by the disclosing party;
- the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as defined in this confidentiality clause.

10.6 All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party, and/or (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and confirm the destruction of this confidential information to the disclosing party in writing, at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not extend to including reports and certificates prepared for the client solely for the purpose of fulfilling the obligations under the contract, which shall remain with the client. However, TÜV Rheinland is entitled to keep copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to evidence the correctness of its results and for general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.

10.7 From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third parties or use it for itself.

11. Copyrights and rights of use, publications

11.1 TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use ("right of use").

11.2 The client receives a simple, unlimited, non-transferable, non-sublicensable right to use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared within the scope of the contract for the contractually agreed purpose.

11.3 The transfer of right of use of the generated work results regulated in clause 11.2 of the GTBC is subject to the payment of the remuneration agreed in the contract of TÜV Rheinland.

11.4 The client may use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.

11.5 Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2 needs the prior written approval of TÜV Rheinland in each individual case.

11.6 TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.

11.7 The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or test/certification mark of TÜV Rheinland.

12. Liability of TÜV Rheinland

12.1 Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract (ii) in the case of a contract for annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual

orders, three times of the fee for the individual order under which the damages or losses have occurred. Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 2.5 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed the said 2.5 Million Euro or equivalent amount in local currency.

12.2 The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, physical injury or illness.

12.3 In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a "fundamental breach" is breach of a material contractual obligation, the performance of which permits the due performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.

12.4 TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its services under the contract, unless such personnel made available is regarded as vicarious agent of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.

12.5 Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the client.

12.6 The limitation periods for claims for damages shall be based on statutory provisions.

12.7 None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.

13. Export control

13.1 When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control law.

13.2 The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred there by TÜV Rheinland.

14. Data protection notice

TÜV Rheinland processes personal data of the client for the purpose of fulfilling this contract. In addition, TÜV Rheinland also processes the data for other legal purposes in accordance with the relevant legal basis. The personal data of the client will only be disclosed to other natural or legal persons if the legal requirements are met. This also applies to transfers to third countries. The personal data will be deleted immediately as soon as a corresponding reason for deletion arises. Data subjects may exercise the following rights: right of information, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data protection supervisory authority. For further details on the processing of personal data by TÜV Rheinland as the person responsible or contract processor, please refer to the respective data protection information. You can contact the Group Data Protection Officer of TÜV Rheinland by e-mail at datenschutz@de.tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.

15. Test material: transport risk and storage

15.1 The risk and costs for freight and transport of documents or test material to and from TÜV Rheinland as well as the costs of necessary disposal measures shall be borne by the client.

15.2 Any destroyed and otherwise worthless test material will be disposed of by TÜV Rheinland for the client at the expense of the client, unless otherwise agreed.

15.3 Undamaged test material shall be stored by TÜV Rheinland for four (4) weeks after completion of the test. If a longer storage period is desired, TÜV Rheinland charges an appropriate storage fee.

15.4 After the expiry of the 4 weeks or any longer period agreed upon, the test material will be disposed of by TÜV Rheinland for the client for a fee in accordance with clause 15.2.

16. Termination of the contract

16.1 Notwithstanding clause 3.3 of the GTBC, TÜV Rheinland and the client are entitled to terminate the contract in its entirety or, in the case of services combined in one contract, each of the contractual parts of the contract individually and independently of the continuation of the remaining services with six (6) months' notice to the end of the contractually agreed term.

16.2 For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract which includes but is not limited to the following:

- the client does not immediately notify TÜV Rheinland of changes in the conditions within the company which are relevant for certification or signs of such changes;
- the client misuses the certificate or certification mark or uses it in violation of the contract;
- in the event of several consecutive delays in payment (at least three times);
- a substantial deterioration of the financial circumstances of the client occurs and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship.

16.3 In the event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland shall be entitled to a lump-sum claim for damages against the client if the conditions of a claim for damages exist. In this case, the client shall owe 15% of the remuneration to be paid until the end of the fixed contract term as lump-sum compensation. The client reserves the right to prove that there is no damage or a considerably lower damage, TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.

16.4 TÜV Rheinland is also entitled to terminate the contract with written notice if the client has not been able to make use of the time windows for auditing /service provision provided by TÜV Rheinland within the scope of a certification procedure and the certificate therefore has to be withdrawn (for example during the performance of monitoring audits). Clause 16.3 applies accordingly.

17. Partial invalidity, written form, place of jurisdiction and dispute resolution

17.1 All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.

17.2 Should one or several of the provisions under the contract and/or these terms and conditions be or become ineffective, the contracting parties shall replace the invalid provision with a legally valid provision that comes closest to the content of the invalid provision in legal and commercial terms.

17.3 Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be chosen following the rules as below:

a) If TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of the People's Republic of China.

b) If TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.

c) If TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong Kong.

17.4 Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.

Unless otherwise stipulated in the contract, if no settlement or no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted:

a) in the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, to China International Economic and Trade Arbitration Commission (CIETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.

b) in the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association Taipei Branch to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.

c) in the case of TÜV Rheinland being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Centre (HKIAC) to be settled by arbitration under the HKIAC Administered Arbitration Rules in force when the Notice of Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.

The decision of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.