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| Subject: Color deviation when respraying light pastel colors | Type/Model: |
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see workshop manual

Complaints have been received of color deviations on fairly new vehicles which have been resprayed.

The colors mainly concerned are the very light pastel standard colors such as

L 90 D - pastel white

L 282 - lotus white

because the effects of any color influencing factors are readily noticeable with these light colors. Such factors are:

- 1 - the yellowish color of the LKL binder which affects the complete color,
- 2 - a varying amount of yellowness due to fluctuations in the job surface temperature in different drying booths in various workshops,
- 3 - weathering of the standard paint finish,
- 4 - the influence of unsuitable paint cleaning and care solutions on the standard paint finish.

For this reason it is essential when respraying with these two colors to check the color uniformity, before spraying and, if there is any doubt, to tone the paint to the correct shade with our mixing paint.

General instructions or color toning

LKM mixing paint for LKL paint
and LM mixing paint for L paint

are available for toning purposes.

The basic composition of the two colors concerned is as follows:



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manual

a - for pastel white - LKL 90 D

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|-------------------------------|----------|
| 99.3 parts weight white | - LKM 80 |
| 0.3 parts weight black | - LKM 40 |
| 0.4 parts weight yellow/green | - LKM 12 |

for pastel white - L 90 D

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|-------------------------------|---------|
| 99.5 parts weight white | - LM 80 |
| 0.2 parts weight black | - LM 40 |
| 0.3 parts weight yellow/green | - LM 12 |

b - for lotus white - LKL 282

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|-------------------------|----------|
| 98.6 parts weight white | - LKM 80 |
| 0.3 parts weight black | - LKM 40 |
| 0.6 parts weight ochre | - LKM 61 |
| 0.5 parts weight yellow | - LKM 60 |

for lotus white - L 282

| | |
|-------------------------|---------|
| 98.8 parts weight white | - LM 80 |
| 0.2 parts weight black | - LM 40 |
| 0.7 parts weight ochre | - LM 61 |
| 0.3 parts weight yellow | - LM 60 |

The amount of color in the paint is in each case less than 1 % which means that

- 1 - to lighten the shade a large amount of white can be added before the shade changes noticeably and that
- 2 - great care must be taken when adding color because even the smallest amount will change the shade considerably.

As these light colors often react very strongly to the addition of even a few drops of color it is advisable to blend the mixing paints with small amounts of the paint to be toned.

see workshop manual

Color deviation when spraying light

The appearance of the blended standard paint makes it easier to select the correct color and shows the various shades which can be obtained with the mixing paints.

Before checking the color and toning, the contents of the tin must be stirred thoroughly.

After the mixing procedure, which may have to be repeated several times, a wet-to-wet comparison of the various mixtures will show how much the shade differs from the standard color.

An accurate assessment on the match with the vehicle can, however, not be made until the paint has been sprayed on a sheet metal specimen and has dried thoroughly.

Because the color of the paint influences the quality of the spray, the following instructions should be followed:

- 1 - The color of the paint should be checked before spraying.
- 2 - A wet-to-wet comparison of the various mixtures should be made.
- 3 - The influence of the spray gun on the color should be checked.
- 4 - The influence of the spray gun on the color should be checked.

For this reason it is recommended that spraying with light colors be checked the color uniformity, before spraying. If there is any doubt, to use the color in the correct shade with the mixing paints.

General instructions on mixing paints

The mixing paint for the light and the mixing paint for the dark are available for testing purposes.

The basic composition of the two colors concerned is as follows: