WORKSHOP A

SESSION TWO

Presentation 4

Granting and effectiveness of type approvals and the operating licences for the individual vehicle.

TUNE IT SAFE! –
The campaign for safe tuning in Germany

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Agenda

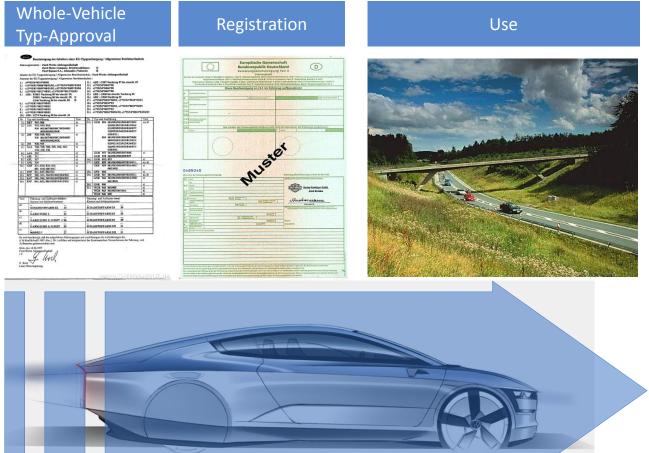
1. Life cycle: From commissioning to

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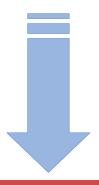
- 2. Responsibilites during the life cycle.
- 3. Tune it safe.

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1. Life cycle of passenger cars



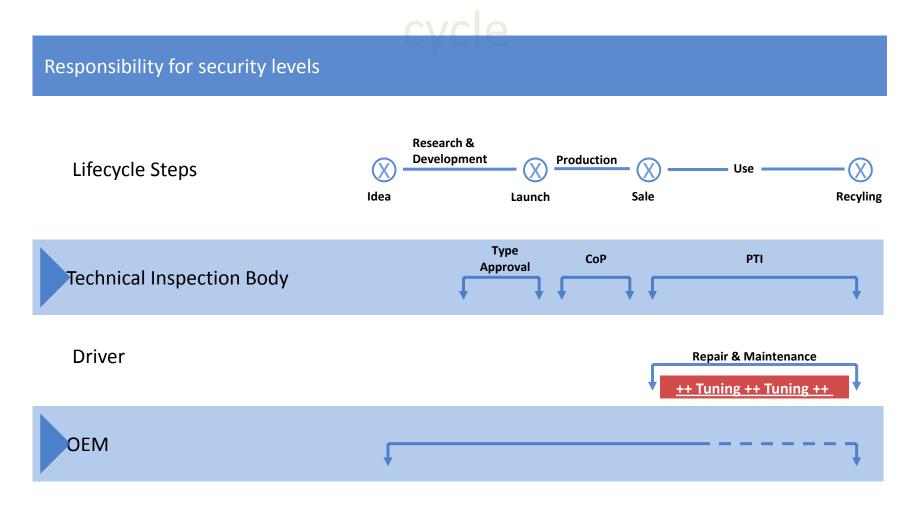
End of live



Recycling



2. Saftey over the complete vehicle life



3. The initiative for safe and serious



The initiative is supported by the German Federal Ministry of Transport, HANKOOK Tires Germany, the VDAT (Association of Automobile Tuners), the DVR (German Traffic Safety Council), DEKRA, the Essen Motor Show (World Trade Fair for automotive, tuning, motorsport and Classics), German police in North Rhine Westphalia and the TÜV Rheinland Group

The initiative for safe and serious tuning

Each year, **TUNE IT! SAFE!** is on tour in Germany with a new campaign car in police look, and speaks for safe and secure tuning.



Tour Dates 2013

TUNE IT! SAFE! On Tour



9. to 12. Mai 2013 Tuning World Bodensee Friedrichshafen

28. to 30. Juni 2013 Tuning Expo Saarbrücken Saarbrücken

12. to 22. September 2013 IAA Frankfurt

30. Nov to 8. Dec 2



L3 Messe Essen



Impressions of TÜV Rheinland



Tuning is nonular in Germany

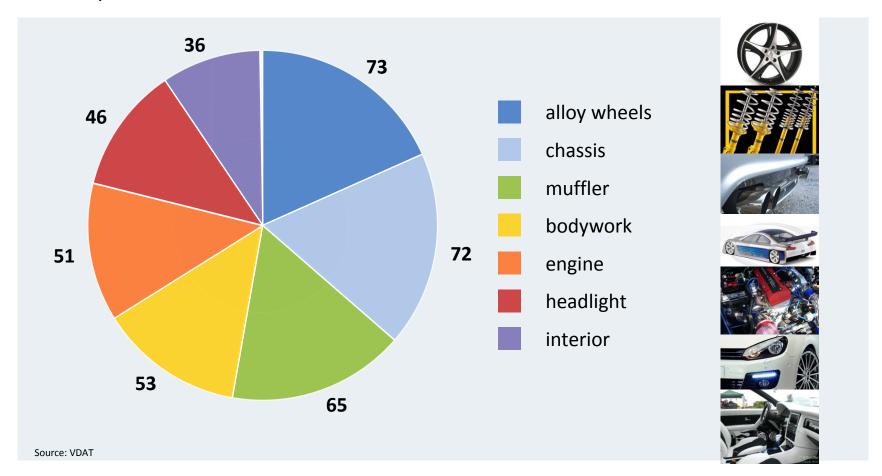
Car enthusiasts spend more than <u>4.4 billion euro</u> each year on the personalization of their vehicles. And the trend continues.



In 2012: 1.282,573 approval certificates

Ranking of modified vehicle parts

Germany market 2012



Tuning fans, particularly the younger ones, need a lot of information

Everything is possible!

























Tuning fans, particularly the younger ones, need a lot of information

Not everything is permitted.

























Technical change and appraisal

National law in Germany "Straßenverkehrs-Zulassungs-Ordnung" (StVZO)

Road Traffic Licensing Regulation



In which cases does the type approval expire after technical changes have been made?

1. If the type of vehicle covered by the type approval is changed





2. If road users are supposed to be exposed to risks





3. If there is a deterioration in exhaust emission or noise behaviour





In which cases does the type approval expire after technical changes have been made?

1. If the type of vehicle covered by the type approval is changed

Example:





passenger car

motor caravan

What does the term "technical change" mean?

"Change" is understood to include:

- Change in the narrow sense, i.e. parts are designed differently
- Replacement of parts, i.e. the vehicle is furnished with parts that are not covered by the type approval
- Addition of parts, i.e. parts are newly installed on the vehicle
- Removal of parts, i.e. parts are removed from the vehicle













iypical examples of technical changes of

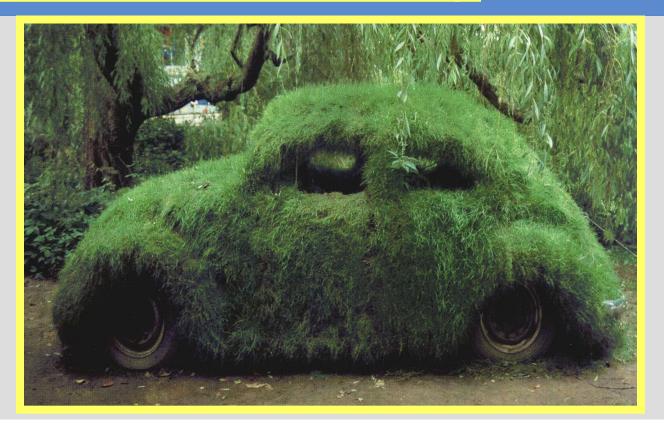
are:

- Change to type of bodywork
- Change to wheel-tire combination
- Improved performance
- Installation of special steering wheels
- Installation of replacement sound absorbers
- Installation of spoilers
- Raising/lowering of chassis
- Installation of other seats/seat belts



Definition of "changes"

<u>Changes</u> that result in the termination of the type approval need <u>deliberate action directed towards change</u>



Definition of "changes"

Changes in the state of a vehicle due to wear and repair are not to be understood as "changes" as defined in Art. 19 Clause 1 StVZO.



n which cases does the type approval expire after technical changes have

2. If road users are supposed to be exposed to risks



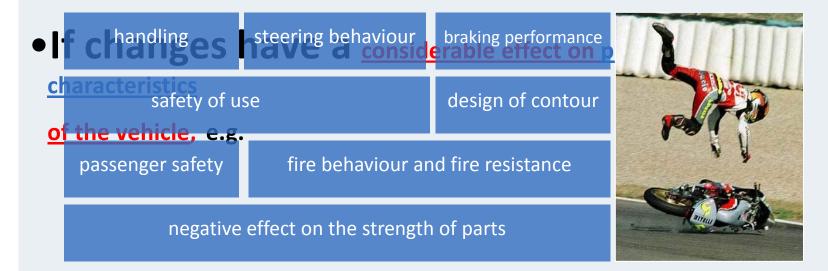




In which cases are road users

cunnoced to be evaced to ricke?

- •If parts classified as not presenting a hazard are installed improperly
- If improperly designed parts are installed correctly



n which cases does the type approval expire after technical changes have

3. If there is a deterioration in exhaust emission or noise behaviour





n which cases does the type approval not expire after technical changes

- If the officially recognised inspector entrusted with the assessment confirms that the change satisfies the relevant requirements.
 Assessments are to be made on a case-by-case basis.
- If an officially recognised inspector of a technical testing centre or an inspection engineer of an officially authorised inspection organisation was called in to accept the change in accordance with a specified procedure on the basis of an official test certificate

 If an official "test certificate" covering the change is in hand and the certificate does not require an acceptance of the change to be made.

What does the term "official test certificates" mean?

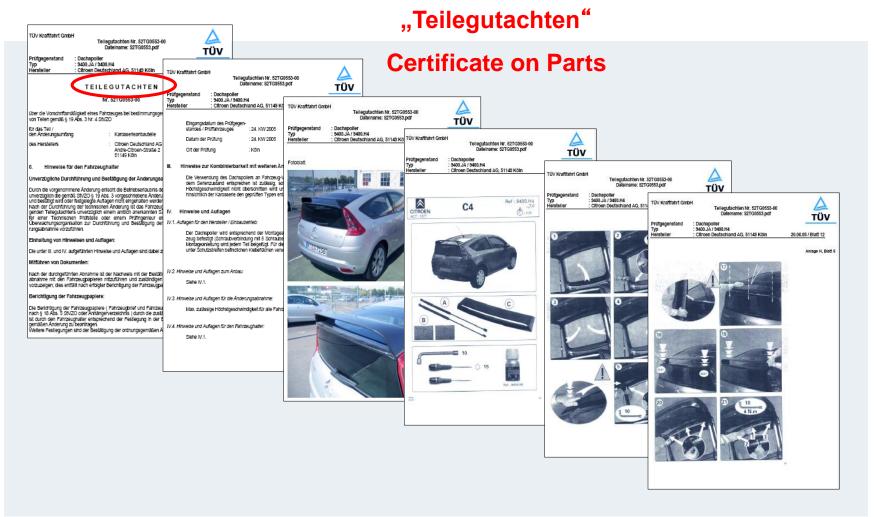
- General type approval for vehicle parts (Art. 22 StVZO)
- General design certification for vehicle parts (Art. 22a StVZO)
- EC type approval for vehicle parts
- ECE approvals for vehicle parts
- Expert opinions on parts prepared by an accredited Technical Service
- "Excerpts" from the general type approval for vehicle types
- "Excerpts" from WVTA (EC type approval) for vehicles







Expert opinions on parts prepared by an accredited Technical Service



Example: mounting a spoiler

Potential hazards

- Worsening of driving, steering and braking
- Insufficient clearance
- Insufficient clearance between wheel/tyre combination
- Inadmissible impact to the field of view of the rear-view mirror
- Worsening of behaviour in fire (fire safety)
- Negative change of contour



Example: mounting a spoiler

Parts designation

- 3.7 Genehmigte Teile sind an folgender Kennzeichnung zu erkennen:
- 3.7.1 Teile mit ABG (§ 22a) haben ein Prüfzeichen, bestehend aus
 - einer Wellenlinie von drei Perioden
 - einem oder zwei Kennbuchstaben
 - einer Nummer, und soweit erforderlich, zusätzlichen Zeichen.
 ZB Kupplungskugel mit Halterung:



- 3.7.2 Teile mit ABE (§ 22) haben ein Typzeichen, bestehend aus
 - den Buchstaben "KBA" und
 - einer Ziffernfolge (Genehmigungsnummer).

72 Sonderrad:

KBA 40986

- 3.7.3 Nile mit EBE (§ 22) oder mit EBG (§ 22a) haben eine Kennzeichnung, bestehend aus
 - einem Unterscheidungszeichen der Prüfstelle und
 - einer Prüfnummer.

ZB: TP 28 123456

- 3.7.4 Teile mit EWG-BG haben ein Genehmigungszeichen, bestehend aus
 - einem Rechteck mit dem Buchstaben "e",
 - der Kennzahl oder den Kennbuchstaben des genehmigenden Mitgliedstaats.
 - einer Bauartgenehmigungsnummer u
 - ggf zusätzlichen Zeichen.

ZB Verbindungseinrichtungen für land- oder forstwirtschaftliche Zgm:



88-563













Example: mounting a spoiler

Confirmation of proper installation or mounting

Cample ontrine / Vahiela ragi

FzSchein/FzBrief → ZIFF 33

M.KAROSSERIEBAUSATZ:FRONTSPOIL./
STOSSF.TYP, SCHWELLERVERKLEID.TYP
L/R./..... U.HECKSCHUERZE/STOSSF.
TYP*

Typ*

Typ*

Typ*

Feld 22

m.Karosseriebausatz:Frontspoil./
Stossf.Typ, Schwellerverkleid.Typ
I./r./..... u.Heckschürze/Stossf.
Typ*



SUMMARY

Results:

- Cars can and will be changed individually
- Depending on the changes of vehicles the of road safety may be affected
- The methods practiced in Germany prevented these negative influences on vehicle safety
- The methods give legal certainty for all parties



Thank you for your attention VW Golf II, five speed transmission, year of manufacture: 1985 for sale kilometre reading: 5 km well kept, travelled only in first and reverse gear, original tyres and brakes, no replacement necessary price: can be discussed, but: collection by the buyer!!!