TÜV AUSTRIA AUTOMOTIVE GMBH

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TÜV®

MW Aftermarket Srl
for attn. Mr. Andrea Tola
Via G. D´Annunzio, 2
21010 Vizzola Ticino (VA)
Italy

Your ref.:	Dated:	Our ref.:	Date:
-	-	0044/15/SRH	02.04.2015

Result of the audit of the testing laboratory MW Italia – Rivoli (TO)

Dear Mr. Tola,

the audit of the laboratory of
MW Italia S.p.A.
Via Pavia 72
10098 Rivoli (TO)
Italy

performed on 26.03.2015 by TÜV AUSTRIA AUTOMOTIVE GMBH according to ISO/IEC 17025: 2006 has been completed successfully.

From now on, with witness of TÜV AUSTRIA AUTOMOTIVE experts, we can issue TÜV AUSTRIA AUTOMOTIVE test reports for the application of approvals acc. to StVZO §30 section 42 and ECE R124. A reassessment of the laboratory shall take place before 25.09.2016.

Kind regards

TÜV AUSTRIA AUTOMOTIVE GMBH

Herbert SCHROEDER
Dipl.-Ing.
Deputy Manager of the Technical Service

Attachment: Hints of improvements

Testing Laboratory,
Inspection Body,
Technical Service
(BMVIT, KBA, NSA)

Management:
Ing. Mag. Christian RÖTZER
Mag. Christoph WENNINGER

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TÜV AUSTRIA

Hints of improvements

Audit of the laboratory
MW Italia
Via Pavia 72
10098 Rivoli (TO)
Italy

Date of the audit: 26.03.2015

During the Audit the following hints of improvement have been observed:

- Handling of types of screws (bolt heads)
  To avoid damage of testing samples caused by the use of screws with wrong bolt heads (e.g. conical instead of spherical head), it would be recommendable to add the type of the bolt head to the data of the screws on the internal check list (foglio di lavoro prova – section "tipo di vita").

- Surveillance of the screw torques (end of the test)
  To be able to verify the fulfilment of the testing requirements in terms of the max. degradation of the torque of the screws during the test, it would be better to record the measured torques (instead of the result "pass").

- Typing error in testing procedure for rotary bending test
  The reference to ECE R124 should be amended to annex 6.

- Surveillance of the max. deflection (after 10.000 cycles)
  To be able to verify the fulfilment of the testing requirements in terms of the max. deflection during the test, it would make sense to capture the graph of deflection (provided by the testing machine) and to add it to the testing records.

- Calculation of testing parameters
  To enable the verification of varying testing loads (e.g. short term vs. long term) it would be helpful to indicate the design operation of the calculation (e.g. M_{bmax} acc. to ECE R124 annex 6) in the files of the testing orders.

- Surveillance of testing speeds
  To ensure reliable test results), it would be recommendable to ensure a sufficient puffer between the minimum testing speed (given by testing requirements) and the real inferior testing speed (nominal testing speed reduced by the measurement uncertainty).