

From

The Transport Commissioner

To

All Deputy Transport Commissioners  
All Regional Transport Officers  
All Joint Regional Transport Officers

Sir,

Sub: Motor Vehicles Department-Approval of Speed Limiter Devices-reg

Ref: 1. Request from M/S Mahindra Navistar Automotive Ltd dated 14-09-11

2. Test Report No.SHL/9/2010-11/3460/2055dated 25-09-10 of the  
Automotive Research Association of India

Your attention is invited to the above references. Vide reference 1<sup>st</sup> cited M/S Mahindra Navistar Automotive Ltd has submitted request for the approval of Speed Limitation System Integrated with Engine Management System of vehicles manufactured by them.

Vide reference 2<sup>nd</sup> cited the Automotive Research Association of India has approved that the Speed Limitation System Integrated with Engine Management System installed on vehicle model MAHINDRA TOURISTER 32 BS III and on its variants mentioned below met the specified requirements of AIS-018/2001 along with Amendment No.1 and 2.

Sl No	DESCRIPTION	Rear axle ratio	Max Engine Power KW	ULW (ton)	Power to ULW ratio
1	MN TOURISTER BSIII 4200 Bus-32+D	5.13	85	4.615	18.42
2	MN TOURISTER BSIII 4200 Bus-RTD			*	
3	MN TOURISTER BSIII 4200 Bus-19			4.58	18.56
4	MN TOURISTER BSIII 4200 Bus-24+D			4.58	18.56
5	MN TOURISTER BSIII 4200 Bus-27+D			4.6	18.48
6	MN TOURISTER BSIII 4200 Bus-28+D			4.6	18.48

All the Registering Authorities and Additional Registering Authorities are directed to verify the above while registering the vehicles subject to the compliance of Central Motor Vehicles Rules, 1989 as amended up-to-dated. They are also directed to verify the compliance of provisions of Act and Rules other than those mentioned in the ARAI Certificate.

The applicant is directed to produce the copy of ARAI test report for each vehicle at the time of inspection of vehicle fitted with these speed governors. The details of ARAI Certificates are being communicated to your office by E-mail. You are also requested to make sure the speed limiter which is in built in the vehicle is working properly.

Yours faithfully

Sd/-

Senior DTC (Taxation)  
For Transport Commissioner

Copy to: The Applicant

Approved for issue

Senior Superintendent





Non-transferable

**TEST REPORT**

**DATE: 25.09.2010**

**1.0 NAME AND ADDRESS OF :** Mahindra Navistar Automotives Ltd.  
Bidar T Junction, Medak District. AP  
Zaheerabad - 502 220.

**2.0 CUSTOMER LETTER REF. :** Email dated: 10.09.2010

**3.0 DESCRIPTION OF TEST COMPONENT:**

Speed Limitation System (SLS) Integrated with Engine Management System of the vehicle.

Sr. no	Parts	Make and Supplier	Supplier Part Number	MNAL Part Number
1	ECU MODEL: <b>BOCSH EDC16 C39</b>	BOCSH	0281013778	0315CM0031N
2	Fuel Injectors Pump	Robert Bosch-Bangalore, India	0445010131	0305BC0371N
3	Accelerator pedal module	BOCSH	0280A00302	0315CC0041N
4	Vehicle speed sensor	Pricol.	C40 1891	1302AA0710N
8	ECU Manufacturing Plant Address:	Bosch Automotive Products (Suzhou) Co. Ltd No. 126 Su Hong Xi Lu Suzhou Industrial Park City:Suzhou,State:Jiangsu,Zip Code: 215021,Country: China.		

This test report consists of the following parts;

Part	Description	Page No.
Test Report	Test for Speed Limitation System of the vehicle	1 to 5
Annexure-I	Allowed Tolerance Graph as given in Standard	6
Annexure-II	Vehicle specifications as given by the customer	7
Annexure-III	List of variants submitted by the customer for extension	8
Annexure-IV	Installation Schematic of the Speed Limitation System on the vehicle	9-10
Annexure-V	Installation Photographs of the Speed Limitation System on the vehicle	11
Annexure-VI	Possible tampering modes / Observations in those tampering modes.	12
Annexure-VII	General Requirements (Cl. No. 4 )	13

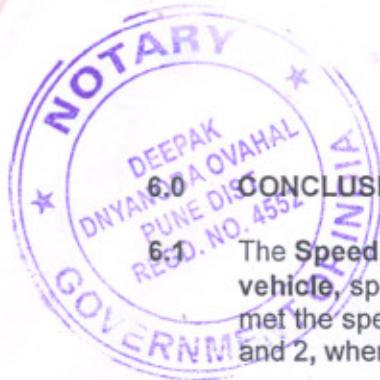
The performance test of Speed Limitation System was carried out on vehicle model Mahindra Tourister 32 BSIII (For its variant refer Annexure-III). at the set speed range of 40 and 80 km/h as specified by the manufacturer.



**D. D. OVAHAL**  
B.S. THONSJMS W.L.L.  
ADVOCATE & NOTARY  
PUNE



TEST REPORT No. SHL/9/2010-11/3460/2055



**6.0 CONCLUSION:**

- 6.1** The Speed Limitation System Integrated with Engine Management System of the vehicle, specified in Sr. No 3 of this test report with set speed range of 40 and 80 km/h, met the specified requirements of CI No 5.7 AIS-018 / 2001 along with Amendment No.1 and 2, when installed on vehicle model **Mahindra Tourister 32 BSIII**
- 6.2** The SLD already certified for laboratory tests (CI. No. 5.3, 5.4, and 5.5 of AIS-018 / 2001) in the Test Report No. SHL/9/2007-08/1268/559 dated 07.08.2007
- 6.3** Based on the laboratory test results specified in Sr. No. 6.2 of this test report and vehicle performance test carried out on the SLD as installed on vehicle model: **Mahindra Tourister 32 BSIII (For its variant refer Annexure-III)**. The Speed Limitation System Integrated with Engine Management System of the vehicle met the requirements of the AIS-018 / 2001 along with Amendment No.1 and 2.

**Note - Though the Speed Limitation System (Ref. Sr. No. 3.0) has been tested and approved for the specified set speed range (Ref Sr. no 3.0), as per the declaration given by M/s Mahindra Navistar Automobile Pvt. Ltd this system would be sealed for one set speed at a time and set speed would be indicated on windscreen of the vehicle.**

Prepared by

**A. G. Paratane**  
Sr. Design Draftsman

**V S Khairatkar**  
Project Engineer

Department Head:

**A. V. Mannikar**  
Deputy Director

Authorised for Release

**SHRIKANT R. MARATHE**  
DIRECTOR



Place of Issue: Pune  
**DISCLAIMER:**

Date of Issue: 04.10.2010

This test report pertains only to the components / parts / assemblies / vehicles etc. actually tested at ARAI in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control of quality surveillance by ARAI of the product. No extract, abridgement or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.



**D. D. OVAHAL**  
B. I. HON.  
ADVE.  
GOV.

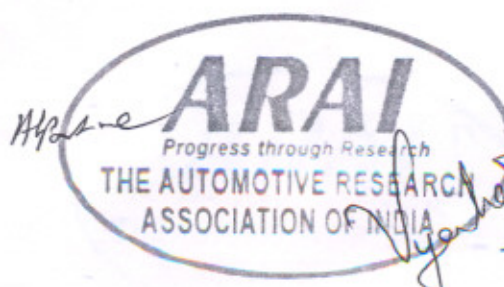
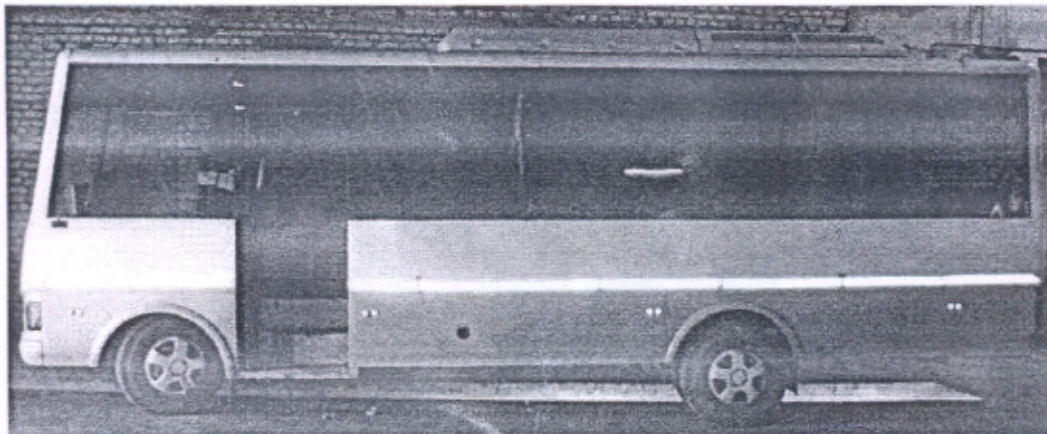


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Annexure – V

**Installation Photographs of the Speed Limitation System:**

- 1) Vehicle fitted with SLD: "Mahindra Tourister 32 BSIII "



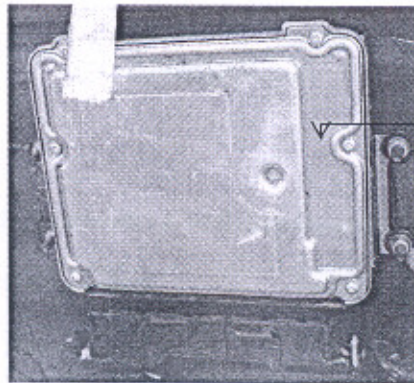
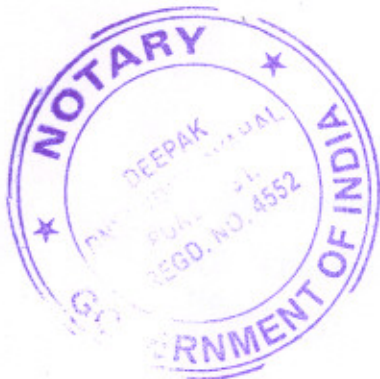
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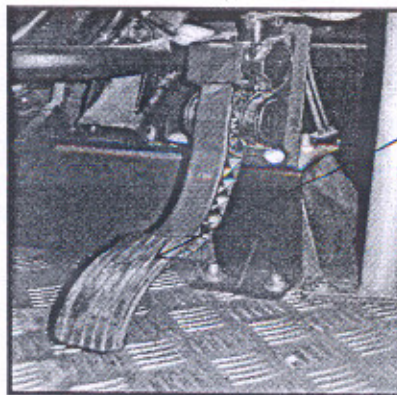
TEST REPORT No. SHL/9/2010-11/3460/2055

2) ECU fitted on the Vehicle



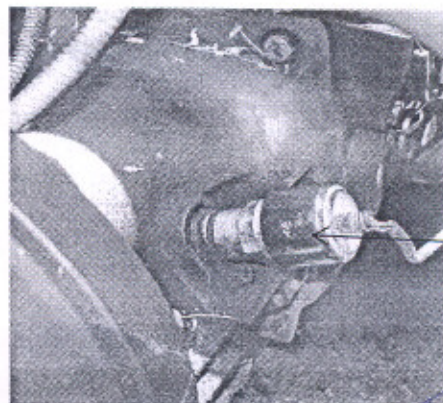
ECU

3) Accelerator Pedal



Accelerator Pedal

4) Speed Sensor as fitted on the vehicle



Sensor & its connector with Wire Seal



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