

No. C3/2923/TC/2014

Transport Commissionerate
Kerala, Thiruvananthapuram
Dated: 04.02.2014

From

The Transport Commissioner
Thiruvananthapuram.

To

All Deputy Transport Commissioners,
All Regional Transport Officers,
All Joint Regional Transport Officers.

Sir,

Sub:- M.Vs.Dept - Approval for Registration of VESPA-Two Wheeler-
L2 - & its Variant manufactured by M/s Piaggio Vehicles Pvt Ltd-Copy of
certificates forwarding of reg.

Ref:-1.Letter dated 04.02.2014 from M/s Piaggio Vehicles Pvt Ltd, Pune
2. ARAI Certificate No. AAHN 0019 F 02 dtd 19.12.2013 of ARAI

M/s Piaggio Vehicles Pvt Ltd, Pune in their letter dated 04.02.2014 has
requested to grant approval for the registration of the following vehicles (L2 Category, BS
III Standards) manufactured by M/s Piaggio Vehicles Pvt Ltd.

- 1.VESPA-Two Wheeler
- 2.VESPA VX -Two Wheeler
- 3.VESPA S -Two Wheeler

The Automotive Research Association of India has granted approval to above
vehicles and certified that the vehicles comply with the CMV Rules 1989. The details of
ARAI Certificate have been published in the website.

All the Registering Authorities and Additional Registering Authorities are
directed to register the above vehicles subject to the compliance of CMV Rules, 1989 as
amended up-to-date. They are also directed to verify the compliance of provisions of Act
and Rules other than those mentioned in Annexure 1 and Annexure 1A of the ARAI
certificate.

Yours faithfully,
Sd/-

Joint Transport Commissioner
For Transport Commissioner

Copy to M/s -Piaggio Vehicles Pvt Ltd, 4th floor, Kumar Orion, Opp.St.Miras College ,Koregaon
Park Road, Pune - 411 001 for information

Approved for Issue

Senior Superintendent

[Signature]
10/02/14

A	A	H	N	0019
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 Date: 1st March 2012

CERTIFICATE

FOR COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES.

Cert	Brief	Drg	Total
3	5	-	8 pgs

1. In order to establish compliance to the provisions of CMVR, 1989, applicable as on date, documental verification/ necessary testing was carried out, on the following base model, submitted by the vehicle manufacturer referred below:

Documental Reference		Vehicle Manufacturer	
Current Certificate	M/s. Piaggio Vehicles Pvt. Ltd., F-19, M.I.D.C. Baramati, Dist. Pune, Maharashtra-413133 Plant: Baramati, Dist. Pune		
Gasoline Engine		Engine Manufacturer	
Model/ Type	Power	cc	M/s. Piaggio Vehicles Pvt. Ltd. Plant: Baramati, Dist. Pune
M449M	7.4 kW @ 7500 rpm	124.49	
BASE MODEL	TYPE & CATEGORY		Seating Capacity (incl. Driver)
VESPA	Two Wheeler-L2		2 Persons
			DWT, kg
			280

- 1a. Brief technical specifications (PVPL/2WR&D/VESPA/2011-12) of the base model, as declared by the vehicle manufacturer, are enclosed with this certificate. Detailed specifications (PVPL/2WR&D/VESPA/2011-12) of the base model, are also separately issued to the vehicle manufacturer.
2. It is certified that the above base model complies with the provisions of the Central Motor Vehicles Rules, 1989, as amended up-to-date, including following requirements, (as detailed at ANNEXURE-I, IA & IB):

Standards	Notification	Date	Effective From	Applicable CMVR
Bharat Stage-III All over India	GSR 84(E)	09.02.2009	01.04.2010	115 (14)(F), (G)
	GSR 443(E)	21.05.2010	01.10.2010	
Idling CO & HC	GSR 111(E)	10.02.2004	01.10.2004	115 (2) (I)
Passby Noise Limits			01.04.2005	120 (2)
Brakes / Lamps / Reflex Reflectors/ Category of vehicle / Tyres / VIN Number/ Horn and other Safety Components	S. O. 1365(E)	13.12.2004	Notified dates	ANNEXURE- I / ANNEXURE- IA / ANNEXURE- IB
	GSR 589(E)	16.09.2005		
	GSR 784(E)	12.11.2008		

3. This Certificate is issued as per CMV Rule 126, to establish compliance with the Central Motor Vehicles Rules, 1989, and shall not be construed as a certificate of compliance to any rules other than those listed in ANNEXURE-I, IA & IB. Compliance to these rules has been verified based on the use of specific components/parts/assemblies etc. details of which are given in the detailed specifications duly endorsed by ARAI as mentioned at para. 1a above. It is the vehicle manufacturer's responsibility to ensure fitment of same components/parts/assemblies etc. before submission of the vehicle for registration.
4. Further ARAI issues Type Approval Certificates for vehicles/components/parts/assemblies etc. based on the documents produced/ submitted by the customer and on these basis, the vehicles are examined and if approved, the certificate is issued. 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 certificate / Report.

AUTHORISED SIGNATORY,

AUTHORISED SIGNATORY,

Mrs. RASHMI URDHWARESHE,
 SR. DEPUTY DIRECTOR,
 HOMOLOGATION MANAGEMENT & REGULATION,
 ARAI, PUNE.
 Place of Issue : Pune

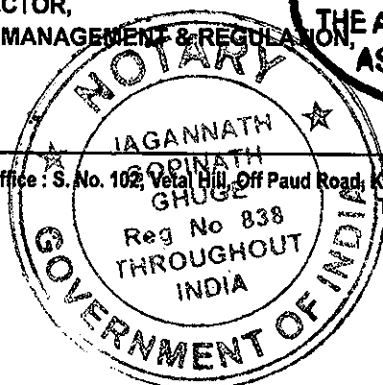


D. J. KULKARNI,
 SR. DEPUTY DIRECTOR,
 BDCP, ARAI, PUNE.

Page 1 of 3



Regd. Office : S. No. 102, Vetal Hill, Off Paud Road, Kothrud, Pune 411 038 (India) Postal Address : P. B. No. 832, Pune 411 004 (India)
 Tel. : +91-20-2543 1111 Fax : +91-20-2543 4190 Email : director@araiindia.com
 Website : www.araiindia.com



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 NOTARY
 GOVT. OF INDIA

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ANNEXURE-I

To

CMVR CERTIFICATE No.

A A H N 0019

dated: 1st March 2012

Following rules are verified and found to be complying.

Rule No.	Sub-Rule
93 - Overall dimension of motor vehicles	(1), (2), (4), (6) & (7)
94 - Condition of tyres	(1), (2) & (3)
95 - Size & Ply rating of tyres	FR & Rr: 90/100-10 53J
Make: MRF	(1), (2), (3), (4), (5) & (6) (i)
96 - Brakes	(4)(i) IS: 14864:1999 w.e.f. 01.04.06
102 - Signalling devices, direction indicators and stop lights	(1), (2), (3), (7)(c) & (8)
103 - Position of the indicator	(1), (2) & (3)
104 - Fitment of reflectors (As amended by GSR 589(E))	(1)
105 - Lamps (As amended by GSR 589(E))	(1) w.e.f. 01.04.06
106 - Deflection of lights	(4) - AIS:057:2005
108 - Use of red or white lights	(1)(b)
111 - Prohibition of spotlights etc.	(2)(i) & (4)
112 - Exhaust gases	(1)
113 - Location of exhaust pipes	(1)
115 - Emission of smoke, vapour, etc. from motor vehicle	—
117 - Speedometer	—
119 - Horns	(1), (2)(i) & (14)(F), (G)
Performance	IS:1554-1982 w.e.f. 18.03.03
Installation	AIS:044:2001 w.e.f. 01.01.03
120 - Silencers	(1) & (2)
Pass by Noise Limits	IS:3028-1998 w.e.f. 01.01.03
MoRTH Notl. 111(E) dt. 10.02.04	(1) & (2)
w.e.f. 01.04.05	(1) & (2)
122 - Embossment of the Chassis Number & Engine Number and date of manufacture (Ref: Table No.11 of the Technical Specifications)	(1) & (2)
123 - Safety devices in motor cycle (Pillion Hand Hold)	IS:14495 - 1998 w.e.f. 01.01.03
124 - Safety standards of components as applicable	S. O. 1385(E) dt. 13.12.04 as amended by GSR 784(E) dt. 12.11.08
Notified dates	Refer ANNEXURE-IA
125 - Rear View Mirror	Specifications AIS:001- 2001 w.e.f. 01.05.03
Installation	AIS:002- 2001
Fuel Consumption	(2)

AUTHORISED SIGNATORY,

AUTHORISED SIGNATORY,

Mrs. RASHMI URDHWARESHE,
SR. DEPUTY DIRECTOR,
HOMOLOGATION MANAGEMENT & REGULATION,
ARAI, PUNE.



D. J. KULKARNI,
SR. DEPUTY DIRECTOR,
BDGP, ARAI, PUNE.

Page 2 of 3

Ref.	APEX No.	2011-2012/4187
Emission Test Report No.	TA-2010(Bharat Stage III)ELTR/11-12/349 dt. 01.02.2012	Vespa-Bosch Spark Plug-Sud Chemie Cat. Con.

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ANNEXURE-IA

To

CMVR CERTIFICATE No.

A	A	H	N	0019
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 dated: 1st March 2012

Sl. No.	Particulars	Compliance Standard	2-Wheeler	
			14-June-03	01-Apr-05
1.	Automobile Lamps	AIS-034/2004	—	✓
2.	Hydraulic Brake Hose (If fitted)	IS:7078-1995	Not Applicable	
3.	Hydraulic Brake Fluid (If fitted)	IS:8654-1986		
18.	Tell Tale symbols and control	IS:14413-1998	✓	—
21.	EMI	AIS-004/1999	✓	—
23.	Gradeability	AIS-003/1999	✓	—
24.	Lighting and Light Signalling Devices	AIS-009/2001	✓	—
25.	Fuel Tank Plastic- with Permeability Test	IS:14881-1999	✓	—
31.	Fuel Consumption (On Driving Cycle)	Carbon Balance Method	—	✓
32.	Performance Test Requirements for Lighting/ Signalling Devices	AIS-010/2004	—	✓
Compliance to additional requirements vide S.O. 174(E) dt. 27.08.2007 for 2 wheeler with 14-June-03				
43.	Wheel rims	AIS:073-2005	—	✓
44.	Protective devices	AIS:074-2005	—	✓

ANNEXURE-IB

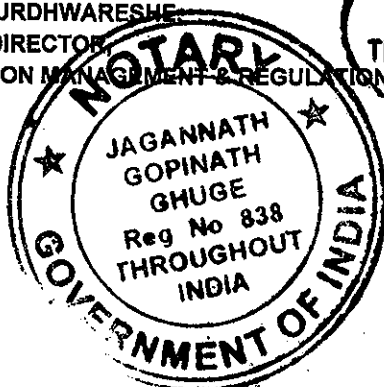
Sl. No.	CMVR Rule	Particulars	Test Standard	Effective From	Compliance Status
2 (ii)		Definitions (Classification of the Vehicle) – L2	AIS:053:2005	12.11.2008	✓
95(1)		Size and Ply rating of tyres	IS:15627-2005	01.04.2009	✓
122(1)		Vehicle Identification number including month and year of manufacture. VIN Number	AIS:065:2005	01.04.2009	✓
CMVR Rule 122(1) The procedure for type approval and establishing conformity of production for components					
Sl. No.	3 & 4	Horn & Tyre	AIS:037-2004	01.04.2009	✓
	7 & 8	Bulb, Rear View Mirror	AIS:037-2004	01.10.2009	✓
	15, 16 & 20	Lighting and light signaling devices for L category & Retro-reflectors for L category, Fuel tanks	AIS:037-2004	01.04.2010	✓

AUTHORISED SIGNATORY,

AUTHORISED SIGNATORY,

Mrs. RASHMI URDHWARSHI
SR. DEPUTY DIRECTOR,
HOMOLOGATION MANAGEMENT & REGULATION,
ARAI, PUNE.

D. J. KULKARNI,
SR. DEPUTY DIRECTOR,
BDGP, ARAI, PUNE.



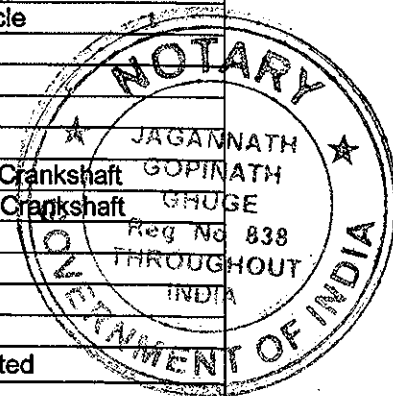
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Table 7 of AIS: 007 (Revision 3)

BRIEF TECHNICAL SPECIFICATION FOR MOTOR VEHICLES

Manufacturer's name and address	Piaggio Vehicles Private Limited F-19, M.I.D.C Baramati Dist, Pune Maharashtra 413133
Importer's name and address (in case of CBU)	Not Applicable
Country of origin, if imported	Not Applicable
Vehicle data	
Basic model	VESPA
Type / Description	Two Wheeler
Category of the vehicle (as per AIS:053)	L2
Variant(s)	Not Applicable
Type / Description	Not Applicable
Category of variant(s) (as per AIS:053)	Not Applicable
Engine	
Make and Country of origin, if imported	Piaggio Vehicles Private Limited
Model	M449M
Type	Air Cooled, 4 Stroke, Otto cycle
Bore x stroke, mm	52 X 58.6 mm
No. of cylinders	Single Cylinder
Displacement	124.49 cc
Compression ratio	10:1 ± 0.5
Max. Engine output, kW @ rpm	7.4 kW ± 5% @ 7500 rpm at Crankshaft
Max. Torque, Nm @ rpm	10.6Nm ± 5% @ 6000rpm at Crankshaft
Air cleaner type	Paper
Clutch	
Type	Dry Centrifugal Type
Gear box	
Make & model	Piaggio Vehicles Private Limited
Type	Automotive
No. of gears
Gear ratio
1 st	20.53:1
2 nd
3 rd
4 th
5 th
6 th	6.56:1
Reverse
Drive Axle (Front / Rear / All)	Rear Axle
Front axle ratio	Not Applicable
Rear axle ratio	7.55:1
Steering	
Type / Description	Handle Bar



1 MAR 2017

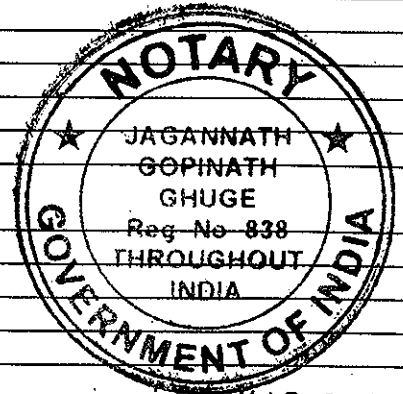
Manufacturer: Piaggio Vehicle Private Limited	Document No: PVPL/2WR&D/VESPA/2016-12	Test Agency: ARAI
Signature: Sheeraj K Sharma	Signature: Ashmi Urduwale	Signature: Ashmi Urduwale
Name: Sheeraj K Sharma	Sheet No: 1	Designation: The Automotive Research Association of India
Designation: Sr. Manager (2 Wheeler R&D)	Date: 29.12.2016	Date of Issue: 29.12.2016

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Table 7 of AIS: 007 (Revision 3)

Steering wheel diameter, mm	Not Applicable
Ratio	Not Applicable
Frame	
Long member size, mm	Not Applicable
Number of cross members	Not Applicable
Suspension	
Type / Description	Swing Arm
Spring	Coil
Anti-roll bar	Not Applicable
Shock absorbers	Hydraulic
Brake	
Service brake (Brief description)	
Auto Slack Adjuster Fitted (Yes / No / Optional)	No
ABS Fitted (Yes / No / Optional)	No
Front (Disc / Drum)	Drum
Rear (Disc / Drum)	Drum
Total braking area, cm ²	114.22 cm ²
Parking brake	Not Applicable
Secondary brake	Not Applicable
Wheels and Tyres	
Wheel rim size	
Front	10 X 2.15
Rear	10 X 2.15
Tyre size and ply rating designation including ply rating	
Front	90/100 - 10
Rear	90/100 - 10
Speed index	J
Load index / Load rating	53
Tyre Type (Radial / Cross / Tube / Tubeless)	
Front	Diagonal Ply ,With Tube
Rear	Diagonal Ply ,With Tube
Laden Tyre Pressure (Front & Rear), Kg/cm²	
Front	1.40 Kg/cm ²
Rear	2.20 Kg/cm ²
Electrical system	
System voltage, V	12V
Battery rating, Ah	5 Ah
Wiper motor	Not Applicable
Wiping system (Brief description)	Not Applicable
Fuel Tank	
Material	Plastic
Capacity, l	8 Liters
Dimensions	
Wheel base, mm	1290 mm
Overall width, mm	690 mm
Overall length, mm	1770 mm



1 MAR 2012



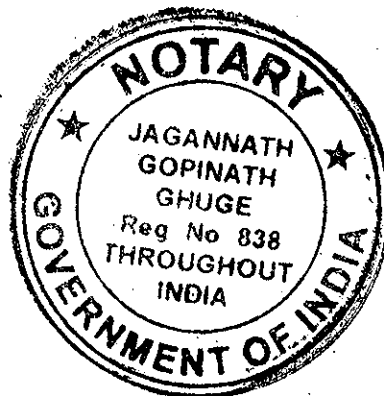
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Manufacturer: M/s. Piaggio Vehicle Private Limited	Document No : PVPL/2WR&D/VESPA /2011-12	Test Agency : Signature	Cert No:
Signature: Dheeraj K Sharma	Sheet No: 2	Name: ASHMI URDHWARESSAI	
Name : Dheeraj K Sharma	Date : 29.12.2011	Designation: DIRECTOR	
Designation: Manager (2 Wheeler R&D)		REGISTRATION MANAGEMENT	Page No 2 of 3

Table 7 of AIS: 007 (Revision 3)

Overall height, mm	1140 mm
Front track, mm	Not Applicable
Rear track, mm	Not Applicable
Min. ground clearance, mm	Not Applicable
Cargo box dimensions, mm	Not Applicable
Load body platform area	Not Applicable
Weights	
Maximum GVW, kg (for rigid vehicles)	280 Kg
Maximum GCW, kg (for articulated / combination vehicles)	Not Applicable
Maximum FAW, kg	80 Kg
Maximum RAW, kg	200 Kg
Kerb weight with 90% fuel (with spare wheel, tools, etc.), kg	114 Kg
Maximum gradeability in 1 st gear	24% (13.5 deg)
Seating	
Seating capacity	Two persons
Sketch showing seating layout with dimensions	Not Applicable



1 MAR 2012



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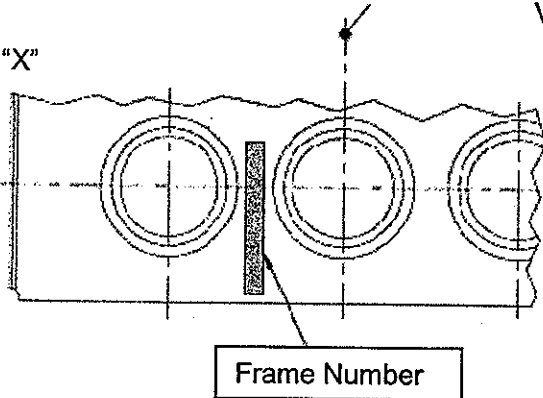
Manufacturer: M/s. Vespa Vehicle Private Limited	Document No : PVPL/2WR&D/VESPA/2011-12	Test Agency : RASHMI URBHWA RESHE	Cert No :
Signature: <i>[Signature]</i>	Sheet No: 3	Signature: <i>[Signature]</i>	
Name : Dheera Sharma	Date : 29.12.2011	Designation: DIRECTOR	
Designation: Sr. Manager (Wheeler R&D)		REGISTRATION MANAGEMENT & REGULATION, ARAI PUNE	Seal

Table 11 of AIS: 007 (Revision 3)

Details of location of Chassis number and code for month and year of manufacture as per rule 122 of CMVR.

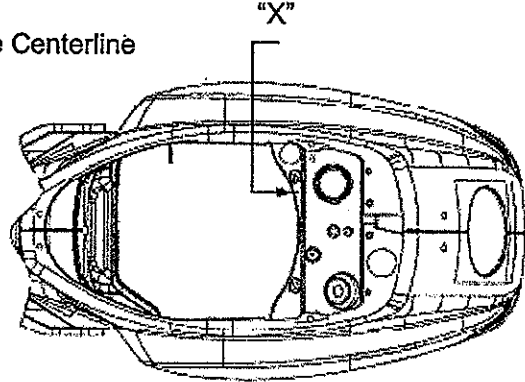
Name of the Vehicle Manufacturer & Address :	Piaggio Vehicles Private Limited F-19, M.I.D.C Baramati Dist, Pune Maharashtra 413133
Name of the basic model :	VESPA
Name of Variants, if any :	Not Applicable
Place of Embossing or etching the Chassis Number (Vehicle Identification Number). Supporting details by drawing or pictures may be provided if necessary.	

View "X"



Frame Number

Vehicle Centerline



"X"

Code for month and year of production:

Code for month of production:		Code for year of production:	
Month	Code	Year	Code
January	A	2011-2012	N
February	B	2012-2013	P
March	C	2013-2014	R
April	D	2014-2015	S
May	E	2015-2016	T
June	F	2016-2017	U
July	G	2017-2018	V
August	H	2018-2019	W
September	J	2019-2020	X
October	K	2020-2021	Y
November	L	2021-2022	Z
December		2022-2023	1
		2023-2024	2
		2024-2025	3
		2025-2026	4
		2026-2027	5
		2027-2028	6
		2028-2029	7
		2029-2030	8

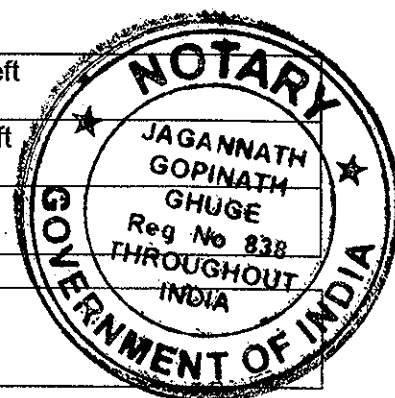
Manufacturer: Piaggio Vehicle Private Limited	Document No : PVPL/2WR&D/VESPA /2011-12	Test Agency: SIVS, HASIMI, URBHVA NESHE
Signature: [Signature]	Sheet No:1	Signature: [Signature]
Name : Dheeraj K Sharma	TRUE COPY	NAME: DEPUTY DIRECTOR REGISTRATION, ARAI PUNE

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GOVT. OF INDIA

Table 11 of AIS: 007 (Revision 3)

	2030-2031	9
	2031-2032	A
	2032-2033	B
	2033-2034	C
	2034-2035	D
	2035-2036	E
	2036-2037	F
	2037-2038	G
	2038-2039	H
	2039-2040	J
	2040-2041	K

Position of the code for month of production in the Chassis number :	11th Digit from Left
Position of the code for year of production in the Chassis number :	10th Digit from Left
Height of the Chassis number (Vehicle Identification Number) :	4 mm



Example of Engine No. :- M449M
3000999

Example of Chassis No. (Vehicle Identification Number) with Year & Month of

1 MAR 2012

MET0000AA#X000999 (# : Code for Production Year, X : Code for Production Month)



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Manufacturer: M/s Piaggio Vehicle Private Limited
Signature: *[Signature]*
Name: Dhieraj K Sharma

Document No :
PVPL/2WR&D/VESPA
/2011-12
Sheet No:2

[Signature]
Test Engineer / IN CHARGE
SIGNATURE DIRECTOR
NOMINATION MANAGEMENT
DESIGNATION ARAI PUNE