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Background

This handbook has been produced by the Department of State Growth (The Department) to assist Vehicle Examiners (VE) in locating vehicle data on specified vehicles such as Vehicle Identification Number (VIN), engine number locations, and wheel track etc. From this VEs can accurately locate difficult hard to locate numbers by referring to the Road Vehicle Descriptors (RVD and the Australian Motor Vehicle Certification Board (AMVCB) grid location chart. The process in achieving this is explained later in this handbook.

A copy of this handbook can be accessed or printed off The Department's Web Site.

Road Vehicle Descriptor Online

The Road Vehicle Descriptor Online (RVDO) is a tool for vehicle inspection and registration schemes to retrieve and print Road vehicle Descriptors (RVDs) for light vehicles and motorcycles and is administered by the New South Wales Road Traffic Authority (RTA).

Preparing your computer

To use the RVDs system software, you need an Internet connection. You must know how to use an Internet browser, have basic word processing skills, and have basic computer file management skills. You are not required to know HTML or computer programming.
Information required from the vehicle

From the vehicle compliance plate record the following;

Approval number which is normally located in the top left hand corner of the compliance plate (red arrow).

The make and model of the vehicle (blue arrow).

VIN (black arrow)

The details highlighted above will be used to conduct a search of an engine number location later in this handbook.
ROAD VEHICLE DESCRIPTOR SEARCH SITE STEP BY STEP GUIDE

The following is a step by step guide to assist Vehicle Examiners accessing and undertaking a vehicle specification search.

Step 1 - Accessing the road vehicle descriptor online

To access the RVDO website, type


Note: You may wish to save this as a shortcut on your desktop.
Step 2 - Road Vehicle Descriptor online home page

After pressing on the Enter button the following screen will appear
Step 3 - Entering data to search vehicle details

First determine whether the vehicle is either:-

Pre-1999, or

Post 1999

Click on required field in this instance “post 1999” due to the vehicle being manufactured in 2010 (see compliance plate).
Search vehicle details by entering the Compliance Plate Approval (CPA) number. The search criteria are case insensitive.

In the “Type” drop-down list click on either **Car or Motorcycle** (blue arrow)

Enter the approval number from the compliance plate and enter in the Approval Number filter field i.e. 33886 (red arrow).

Click **Search** at the bottom of the page (black arrow)

**If matches are found**

The search results will display showing RVDs that match the specified search criteria.

**If matches are not found**

The certification search results will display advising this. This being the case, confirm the approval number and try again. In the event that matches are not found contact AIS Compliance unit on 6166 3271.
Step 4 - Search result

The search result will display the manufacturer name, make and model of the vehicle sorted by approval date, most recent first. VEs should refer to the compliance plate to verify which vehicle make and model you require to open. Assessing the vehicle against Body type, and Approval date

Click on “View” (red arrow)
Step 5 - Sourcing the vehicle data information

After clicking on the make of vehicle the following screen will appear. Ignore the approval documents at the top of the page. Scan down the Road Vehicle Descriptors (RVD) to determine which RVD is applicable to the vehicle you wish to review. It may be necessary to open more than one RVD to satisfy that you have the correct RVD for the make and model of vehicle. To assist you can verify that you have the correct RVD by;

The Model of the vehicle (blue arrow)

Verifying the first 10 to 12 digits of the VIN of the vehicle will assist where there are multi listed RVDs as in this instance. This is normally located on the second page of the RVD (red arrow)
Step 6 - What can I search on the road vehicle descriptors?

Information that can be sourced from the RVD is varied, however VEs should consider using the following:

- Typical engine numbers and their location (orange arrow).
- Typical VINs and their location (blue arrow).
- Typical compliance plate location (black arrow).
- Standard equipment or options affecting ADR compliance (red arrow).
- Tyre and rim information (green arrow).
- Suspension data (yellow arrow).
- Remarks (pink arrow)
## Tyre and Rim Information

<table>
<thead>
<tr>
<th>Tyre Designation</th>
<th>Rim Size and Profile</th>
<th>Rim Offset (mm)</th>
<th>White Wall (mm)</th>
<th>Variant Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>255/70R15C</td>
<td>15x7J</td>
<td>+50</td>
<td>1540 1560</td>
<td>NA NA SB SB</td>
</tr>
<tr>
<td>265/70R16C</td>
<td>15x7J ALM</td>
<td>+50</td>
<td>1540 1560</td>
<td>GB GB GB GB</td>
</tr>
<tr>
<td>285/75R16C</td>
<td>16x8J</td>
<td>+45</td>
<td>1510 1510</td>
<td>SB SB NA NA</td>
</tr>
</tbody>
</table>

## Suspension Data

<table>
<thead>
<tr>
<th>Vertical Measurement wheel centre to top of wheel arch opening at unladen mass</th>
<th>Variant</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front (mm)</td>
<td>520</td>
<td>520</td>
<td>512</td>
<td>512</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear (mm)</td>
<td>562</td>
<td>562</td>
<td>574</td>
<td>574</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical measurement wheel centre to top of wheel arch opening at full load</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front (mm)</td>
<td>414</td>
<td>414</td>
<td>408</td>
<td>408</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear (mm)</td>
<td>406</td>
<td>406</td>
<td>402</td>
<td>402</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum acceptable vertical measurement wheel centre to top of wheel arch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front (mm)</td>
<td>465</td>
<td>465</td>
<td>477</td>
<td>477</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear (mm)</td>
<td>541</td>
<td>541</td>
<td>533</td>
<td>533</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Remarks

- DIMENSION Length: 5130 mm (without rear bumper), 5220 mm (with rear bumper)
- Variant 1, 2: Width: 1790 mm (without overfender), 1895 mm (with overfender)
- SUSPENSION DATA AT UNLADEN MASS Front (D-CAB 4x4): 520 m.m. (without overfender), 512 (with overfender) Rear: (D-CAB 4x4): 552 m.m. (without overfender), 574 (with overfender) SUSPENSION DATA AT FULL BUMP Front (D-CAB 4x4): 414 m.m. (without overfender), 406 (with overfender) Rear (D-CAB 4x4): 490 m.m. (without overfender), 482 (with overfender) CHANGES: - Toro Mass variant 1 - Side & Curtain Airbags "Old" on variants 3 and 4.

**DRIVES Code**: HLUED
Step 7 - Where can I locate the Vehicle Identification Number, engine number and compliance plate?

By referring to the Australian Motor Vehicle Certification Board (AMVCB) grid location chart, which is attached as Appendix W of the Light Vehicle Inspection Manual (LVIM) and Appendix P of the Heavy Vehicle Inspection Manual (HVIM). Source the location of the engine number as follows:

As an example you will note above that there is three engine variants available for the Toyota identified in the RVD (blue arrow). If you were to search for engine A engine number (which also gives a typical engine number) you would go to chart number 6. The Grid location is shown as F7 which identifies where the engine number is located on the block. The same rule applies for VIN and compliance plate locations.

**Engine number chart No. 6**

![Engine number chart No. 6](image)

**Vehicle Specification Search Site Handbook**
SEARCHING THE RVD1 SITE WITHOUT THE USE OF AN APPROVAL NUMBER

The RVD1 site has the ability to search for RVDs by not entering the approval number, this is the preferred method for earlier type vehicles i.e. pre 1990.

In the “Type” drop-down list click either “Car” or “Motorcycle” (red arrow)

In the “Make” drop-down list click on the make of vehicle (blue arrow)

In the “Model” Enter the model of the vehicle (green arrow).

Click Search at the bottom of the page (black arrow)

If matches are found

The search results will display showing RVDs that match the specified search criteria.

If matches are not found

The certification search results will display advising this. This being the case, confirm the make and model and try again. In the event that matches are not found contact AIS Compliance unit on 6166 3271.

Vehicle Specification Search Site Handbook

AIS Compliance Unit
Step 8 - Search result

The search site will sought and display the list of vehicles entered by year, most recent first.

The search result will display the following:-

CPA number
Model
Chassis number (sample)
Body type, year
Select

Note: Only the files with a PDF file beside “View” will display a read vehicle descriptor for that make and model of vehicle.
Step 9 - Sourcing the vehicle data information

Click “View” of the vehicle you wish to source vehicle data information. From here you can source vehicle data information as detailed in steps 5-7.

Questions?

If you have any further questions please call the AIS Compliance Unit on Ph 6166 3271.

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