

## ENGINE TUNE-UP &amp; MAINTENANCE

| Hydrometer Reading % | VZ Models                   |        |              |        |
|----------------------|-----------------------------|--------|--------------|--------|
|                      | Antifreeze/Inhibitor to Add |        |              |        |
|                      | V6                          |        | GenIII/IV V8 |        |
|                      | Auto                        | Manual | Auto         | Manual |
| 0                    | 4.95                        | 5.15   | 5.50         | 5.70   |
| 5                    | 4.46                        | 4.62   | 4.95         | 5.13   |
| 10                   | 3.96                        | 4.12   | 4.40         | 4.56   |
| 15                   | 3.47                        | 3.61   | 3.85         | 3.99   |
| 20                   | 2.97                        | 3.08   | 3.30         | 3.41   |
| 25                   | 2.48                        | 2.57   | 2.75         | 2.85   |
| 30                   | 1.98                        | 2.01   | 2.20         | 2.28   |
| 35                   | 1.48                        | 1.54   | 1.65         | 1.72   |
| 40                   | 0.99                        | 1.05   | 1.10         | 1.14   |
| 45                   | 0.50                        | 0.52   | 0.55         | 0.57   |
| 50                   | 0                           | 0      | 0            | 0      |

**Coolant Level Check**

All V6, 5.0 V8 &amp; VZ GenIII/GenIV V8

1. The coolant level is inspected by checking the coolant reservoir, check dip stick.



2. Also remove radiator cap to check coolant level, the coolant level MUST be to the top of the radiator neck.

**Tip:** It is possible for the coolant reservoir to have the correct reading on the dip stick and the water level in the radiator to be low.  
**Note:** Only remove radiator cap if the cooling system is cold.

The coolant level should be in between the indicator arrows on the dipstick at the coolant recovery tank.

**VT-VX GenIII V8**

The coolant level is inspected by checking the coolant reservoir. The coolant level should be in between the indicator lines on the side of the coolant recovery tank.

**Radiator Cap**

**Note:** Only remove radiator cap if the cooling system is cool.  
**Note:** Depending on the engine temperature the level will vary.

If removing the radiator cap when the engine is cold, the coolant level should be to the top of the radiator filler.

**Coolant System Refill**

If the cooling system needs to be drained, specific procedures need to be followed when refilling the cooling system, to ensure that no air locks are left in the cooling system.

\* Refer to Cooling System Chapter for detailed information and procedures.

**Coolant Capacity:**

|                 |                          |
|-----------------|--------------------------|
| VT-VY (V6 & V8) | 12 Litres                |
| VZ V6           | Auto ..... 9.9 Litres    |
|                 | Manual ..... 10.3 Litres |
| VZ GenIII/IV    | Auto ..... 11.0 Litres   |
|                 | Manual ..... 11.4 Litres |

**BATTERY INSPECTION**

Check the battery terminals for corrosion and poor contact with battery posts, repair as required. Check battery electrolyte levels, top up if required using distilled water.

**Note:** For detailed procedures covering battery testing and charging refer to the Body Electrical Chapter.

**AIR FILTER****Inspect & Clean**

Remove the air filter element and inspect to ensure it is not excessively dirty, damaged or contaminated with oil. If the element is contaminated with oil, replace it with a new element.

Thoroughly clean the element housing of any dirt, dust oil or any other contaminants. Use compressed air to blow any dust particles out of the filter element, blow from the inside of the element to the outside. Thoroughly clean the outside of the element from the outside.

# Vz Wagon Body Repair Manual

**AW Rasmussen**

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the author's name.

## Vz Wagon Body Repair Manual:

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