

# Cooling System Pressure Testers & Vacuum Purge & Refill Kits

These kits enable testing on a wide range of cooling systems for both passenger and light commercials vehicles. The gauge is colour coded and the pump is constructed from Polyoxymethylene (POM), a high impact substance stronger than steel, which is able to withstand the corrosive factors of inhibitors, it also contains an integrated pressure relief valve.



308550



308551



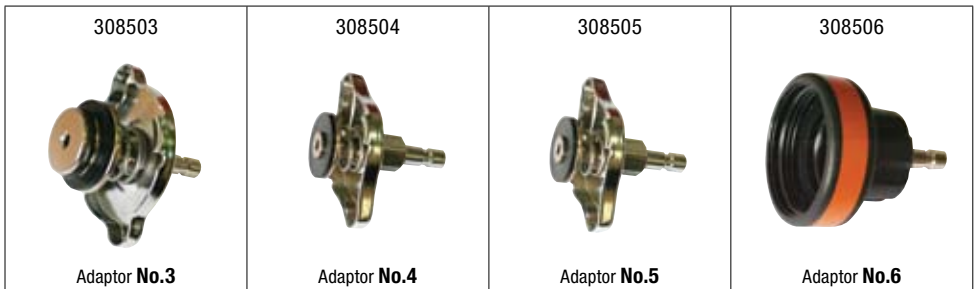
308552

## Contents:

	Page
Kits Contents List.....	2
Cooling System Vacuum Purge & Refill Kit, 3pc (308552).....	4
Cooling System Pressure Tester & Vacuum Purge Master Kit, 24pc (308550) ..	6
Cooling System Pressure Tester Kit, 20pc (308551) .....	6

# Kits Contents List

Spare Part No.	Adapator No. / I. D. No.	Style	Thread	Kit Part No.		
				308550	308551	308552
308503	3	Metal	Standard Bayonet	•	•	
308504	4	Metal	Small Bayonet	•	•	
308505	5	Metal	Extra Small Bayonet	•	•	
308506	6	Plastic	Internal	•	•	
308507	7	Plastic	Internal	•	•	
308508	8	Plastic	External	•	•	
308509	9	Plastic	Extrenal	•	•	
308510	10	Plastic	Internal	•	•	
308511	11	Plastic	Internal	•	•	
308512	12	Plastic	Internal	•	•	
308513	13	Plastic	Internal	•	•	
308514	14	Plastic	Internal	•	•	
308515	15	Plastic	Internal	•	•	
308517	17	Plastic	Internal	•	•	
308519	19	Plastic	Internal	•	•	
308520	20	Plastic	Internal	•	•	
308553	1	Pump with Hose/Gauge		•	•	
308554	2	Black Connector Standard/Small Bayonet		•	•	
308555	2	Blue Connector Standard/Extra Small Bayonet		•	•	
308556	–	Adaptor Handle		•	•	
308557	0	Thermometer		•		
308558	–	Vacuum Filler Gauge		•		•
308559	–	Tapered Rubber Cone		•		•
308560	–	Plastic Hose Set		•		•



<p>308507</p>  <p>Adaptor <b>No.7</b></p>	<p>308508</p>  <p>Adaptor <b>No.8</b></p>	<p>308509</p>  <p>Adaptor <b>No.9</b></p>	<p>308510</p>  <p>Adaptor <b>No.10</b></p>
<p>308511</p>  <p>Adaptor <b>No.11</b></p>	<p>308512</p>  <p>Adaptor <b>No.12</b></p>	<p>308513</p>  <p>Adaptor <b>No.13</b></p>	<p>308514</p>  <p>Adaptor <b>No.14</b></p>
<p>308515</p>  <p>Adaptor <b>No.15</b></p>	<p>308517</p>  <p>Adaptor <b>No.17</b></p>	<p>308519</p>  <p>Adaptor <b>No.19</b></p>	<p>308520</p>  <p>Adaptor <b>No.20</b></p>
<p>308553</p>  <p>I. D. <b>No.1</b></p>	<p>308554</p>  <p>I. D. <b>No.2</b></p>	<p>308555</p>  <p>I. D. <b>No.2</b></p>	<p>308556</p> 
<p>308557</p>  <p>I. D. <b>No.0</b></p>	<p>308558</p> 	<p>308559</p> 	<p>308560</p> 

# Cooling System Vacuum Purge & Refill Kits, 3pc

Part No. 308552

- The contents of this kit are included in the 308550 master kit. The vacuum purge refill is designed to fill the vehicles cooling system by creating a vacuum, utilising the workshop air supply.



308558 Vacuum Filter Gauge

No.	Description
1	Gauge
2	Hook
3	Air Switch
4	Air Supply
5	On / Off Switch
6	Thin Hose Connection
7	Coolant Tap
8	Radiator Test Cap Connection
9	Coolant Hose Connection



# Vacuum Purge Instructions

**Step 1:** Pressure test cooling system to ensure no leaks.

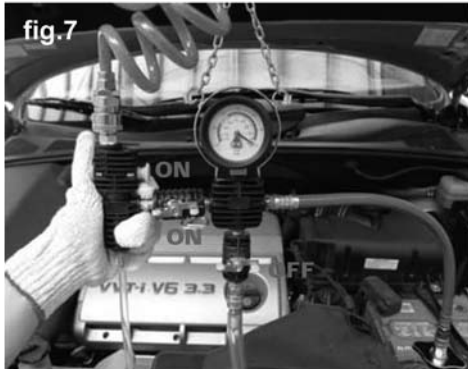
**Step 2:** Drain coolant from vehicle and flush if necessary.

**Step 3:** Mount gauge assembly under bonnet using chain and hook.

**Step 4:** Select correct cooling system adaptor (**fig 5 or 6**) and connect to cooling system ensuring a complete seal.



**Step 5:** Ensure all taps and switches are in the off position. Connect the thin clear PVC drain tube **No.6** to the gauge assembly directing overflow to bucket.



**Step 6:** Connect airline to air inlet male airline brass fitting. Ensure **No.3** tap is open then push **No.5** on/off switch to the open position (**fig. 7**).

**Step 7:** Once required vacuum is achieved turn tap **No.3** to the off position and close the on/off switch.

**Step 8:** Connect the coolant large clear hose to the assembly quick release fitting **No.9** and insert into the replacement new coolant (**fig. 6**).

**Step 9:** Turn tap **No.7** to the on position to allow replacement coolant to be drawn into the cooling system (**fig. 9**). When gauge reading reaches zero (**fig. 8**) disconnect assembly from the cooling system. Check coolant level and top up if required.



## Note:

- Ensure coolant hose is fully submerged during refilling operation to prevent air entering the cooling system.
- Ensure no air pockets are present prior to installing the radiator cap.

# Cooling System Pressure Tester & Vacuum Purge Master Kit, 24pc

Part No. 308550

- This master set is designed to cover the majority of vehicles including light commercials as seen on the Australian and New Zealand market. An application list has been produced by make and model to select the correct adaptor for the vehicle. The kit pressurises the cooling system to identify coolant system loss within the system. The hand pump pressurises the system.

## System Pressure Testing Instructions

- Step 1:** Remove the original radiator cap.
- Step 2:** Select correct adaptor for the vehicle from the vehicle application list and install on cooling system tank or radiator.
- Step 3:** Connect the pump to the adaptor and pressurise the system between 10-15psi. Caution: avoid pressurising system up to 35psi.
- Step 4:** Check gauge reading for loss of pressure. Identify the pressure leak with the system and repair.
- Step 5:** Re-check system pressurisation.

\* For vacuum purge refill instructions refer to pages 4-5



# Cooling System Pressure Tester Kit, 20pc

Part No. 308551

- This kit tests cooling systems and the adaptors are the same as 308550. The kit excludes thermometer and vacuum purge refill system.



**FAMOUS  
TOLEDO**  
EXCELLENCE BY DESIGN

**TRIDON**   
TOLEDO IS A REGISTERED  
TRIDON BRAND

308550 MAN © Copyright TRIDON AUSTRALIA PTY. LTD. 2011

A.C.N. 001 398 698 Reproduction of this manual in part or full is not permitted without written approval. Illustrations in this manual are for identification purposes only and there may be slight variations between the illustration and actual product. Whilst every effort has been made to ensure that the information contained in this catalogue is accurate at the time of printing, TRIDON AUSTRALIA PTY LTD will not accept responsibility should any inaccuracies be contained herein.