Quick Reference Guide

VT55 & OBDII

Customer Service
1-888-621-TPMS
1-888-621-8767

Version: MJC-1108-US1

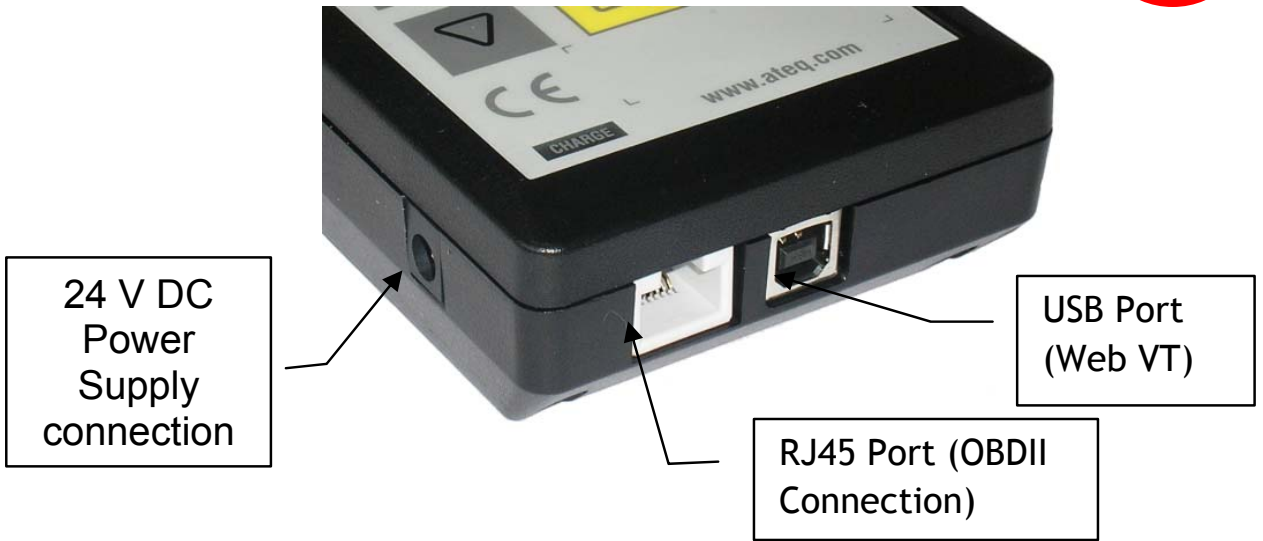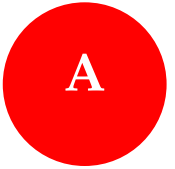# General Description of THE ATEQ VT55

The principle of this instrument is to awaken and then retrieve data from smart valves mounted on vehicle wheels, in order to check their identifiers.

The instrument interacts with the smart valves to assist technicians service Tire Pressure Monitor Systems (TPMS). VT55 may be equipped with OBDII programmer to reset TPMS for import vehicles.

Front face

LF Antenna

Lights indicators

Keypad

LCD display

Connectors

24 V DC Power Supply connection

USB Port (Web VT)

RJ45 Port (OBDII Connection)

Power Supply connector

	Power supply connection to the tool for charging the internal battery. 24 V DC Supplied with the tool.

USB connector

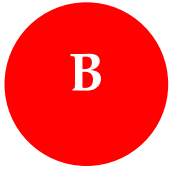|	
	The USB connection allows software updates to be installed onto the tool using the WEB VT program. TPM sensor results can also be printed using this program.

RS232 connector

	The RJ45 connector allows software updates to be installed into the tool and for use of the OBDII programmer.

SECTION B - TRIGGERING SENSOR(S)

B.1 TESTING A TPM SENSOR

Step 1 – Select the "**VEHICLE SELECTION**" menu and confirm selection with the ⏎ key.	``` MAIN MENU >VEHICLE SELECTION RKE TEST SETTINGS ```
Step 2 – Select the vehicle brand on the screen by using the △ or ▽ keys and confirm selection with the ⏎ key.	``` SELECTION CADILLAC CHEVROLET >CHRYSLER ```
Step 3 - Hold the tool within a few inches from the TPM sensor. Some sensor may require the tool position directly on the rubber tire, over the valve stem.	
Some sensors are banded to the wheel and can be located 180° opposite the valve stem. (Refer to owners manual).	

Step 4 - Press the [TEST] key. The tool will begin to send LF trigger and the TX light will flash. Depending on the sensor, the tool will activate the sensor on the first or last step. Each step identifies the number of valve types used on the vehicle brand.

```
      CHRYSLER
      LEFT FRONT
(♦)   SELECT TIRE
(C)   RETURN TO MENU
(TEST) READ SENSOR
```
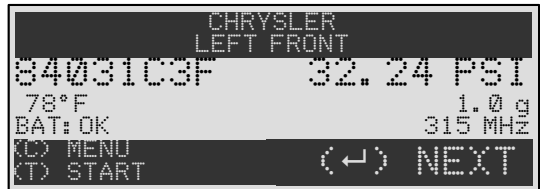
```
      CHRYSLER
      LEFT FRONT
  STEP: 1 of 3
     (C) : STOP
  TRIGGER PROCESSING
```

Low Bat	Pass	Fail	Tx
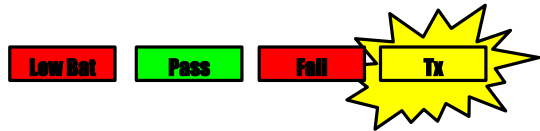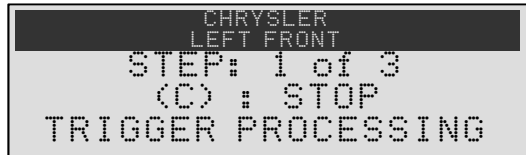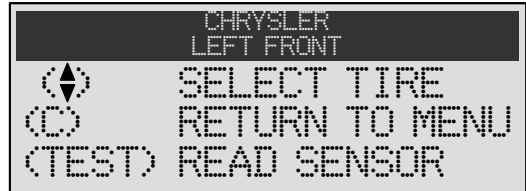
Step 5 – The tool will vibrate/beep after receiving the sensor information. The tool will display the sensor ID, pressure, and sensor state of the valve that is triggered. If the tool does not receive the correct information, the fail LED will illuminate and you can restart the trigger sequence by pressing the [TEST] key again.

```
         CHRYSLER
         LEFT FRONT
84031C3F        32.24 PSI
 78°F                   1.0 g
BAT:OK                315 MHz
(C) MENU
(T) START        (↵) NEXT
```

Low Bat	Pass	Fail	Tx

Step 6- Follow the same procedure for the rest of the three or four wheels by pressing the ⏎ key and then 🛜 key.

(Refer to vehicle owners manual or other reference guides for TPM reset procedure.)
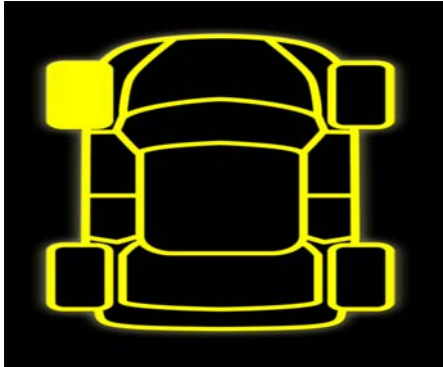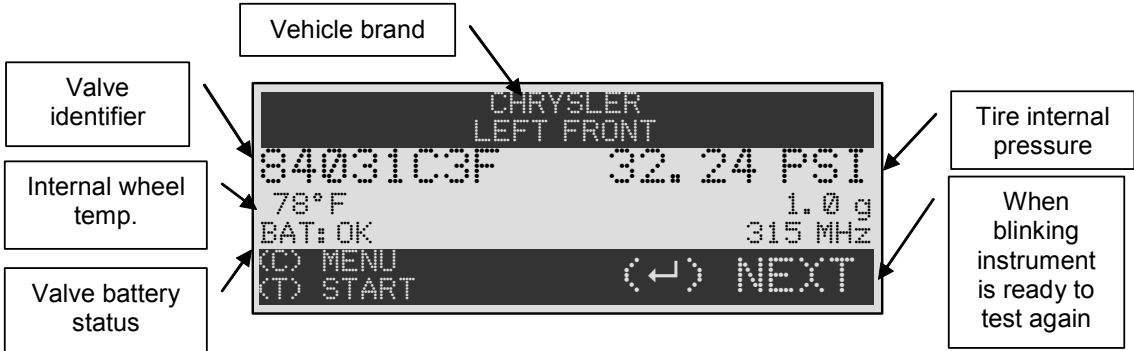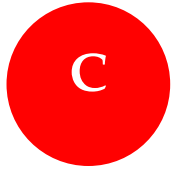

B.2 RESULTS DESCRIPTION

The picture below is an example of a valve data communication result:

Vehicle brand

Valve identifier

Internal wheel temp.

Valve battery status

```
         CHRYSLER
         LEFT FRONT
84031C3F          32.24 PSI
78°F                    1.0 g
BAT:OK                 315 MHz
(C) MENU
(T) START         (↵) NEXT
```

Tire internal pressure

When blinking instrument is ready to test again
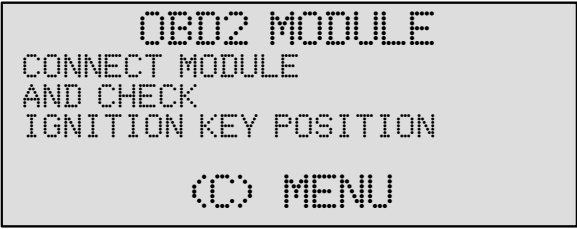
**Note: The VT55 will identify the sensor information that is transmitted. Not all sensors transmit every piece of information shown.

Section C – USING OBDII FUNCTION

Following step 6 in section B

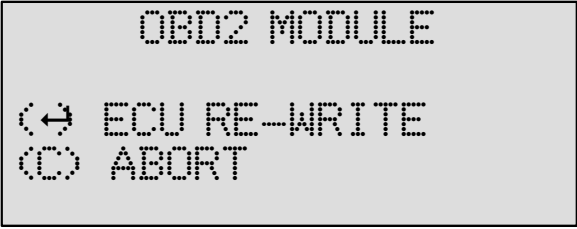|	
Connect the **OBDII** module with the Ateq VT55 using the RJ45 ports.	
Locate the vehicle OBDII connecter under the dashboard. Plug the Ateq OBDII programmer to this port. Turn the vehicle ignition key to the ON position (Engine Off).	OBD2 MODULE CONNECT MODULE AND CHECK IGNITION KEY POSITION (C) MENU
The VT55 displays the following message once you have collected all sensor information. Press the ⏎ key to re-write the valve information into the ECU.	OBD2 MODULE (↵) ECU RE-WRITE (C) ABORT
The VT55 will connect to the ECU and transmit valve information.	OBD2 MODULE CONNECTING . . . (C) MENU
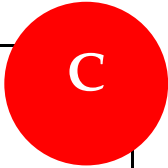
The message SUCCESSFUL TRANSFER appears when the new valve information has correctly transferred into the ECU. Disconnect the OBDII connector from the vehicle.	OBD2 MODULE CONNECTED TRANSFER OK VERIFY OK 　　SUCCESSFUL TRANSFER 　　　(C) MENU
The OBDII module will be updated when connected with the VT55. The screen to the right will appear if there are any new updates. Please follow instruction in SECTION F to update the VT55.	OBDII MODULE Updating Firmware

Section D – Installing USB Drivers

1) Please insert the CD that was provided with the VT55.

2) Connect the USB wire to the USB connector of your PC and VT55. Then turn on the instrument.

3) The following window will appear. Click the "Cancel" button in the bottom right corner of the screen.
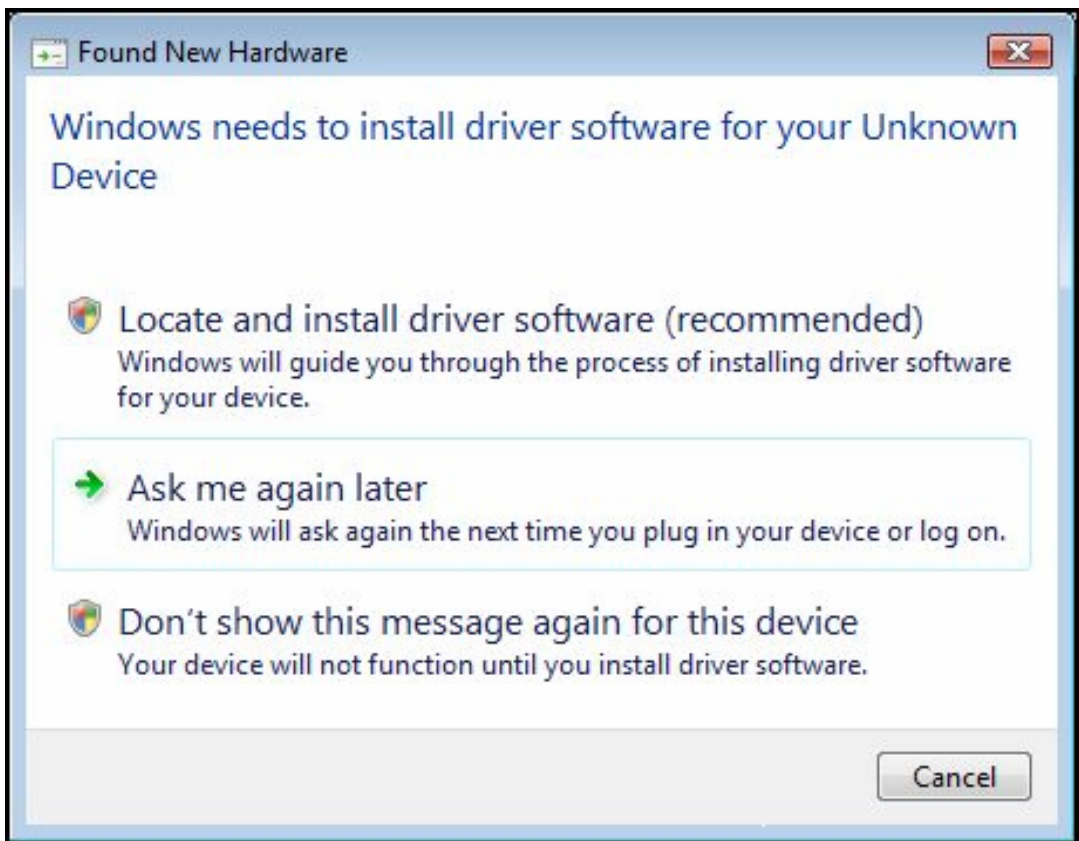
4) In the CD drive, open the file "AteqUsbDriver for VT55".
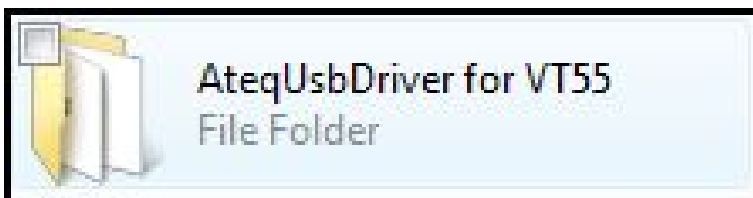
5) The following screen will appear. Depending on your operating system, open the file for "XP" or "VISTA".

USB_VIRTUAL_232_VISTA	USB_VIRTUAL_232_XP
Auto-extracteur de fichier C...	Auto-extracteur de fichier C...
Microsoft Corporation	Microsoft Corporation

6) Using "VISTA" file as an example, the following window may appear. Select "Allow".

User Account Control

An unidentified program wants access to your computer

User Account Control stops unauthorized changes to your computer.
The source and purpose of this program are unknown. Don't run the program unless you have used it before or know where it's from.

DSPins .exe
Unidentified Publisher

→ Cancel
I don't know where this program is from or what it's for.

→ Allow
I trust this program because I've used it before or I know where it's from.

⌄ Details

7) The following window will appear, click "Next >" to continue and follow the onscreen instructions to complete.

8) Click "Install driver software anyway" if this appears.

9) When the drivers are successfully installed, the following window will appear. Click "Finish".

**Note: Please refer to the user manual on CD for detailed instruction when using Windows XP. There are additional instructions if you are trying to use the RJ45 port with RS232 connection.
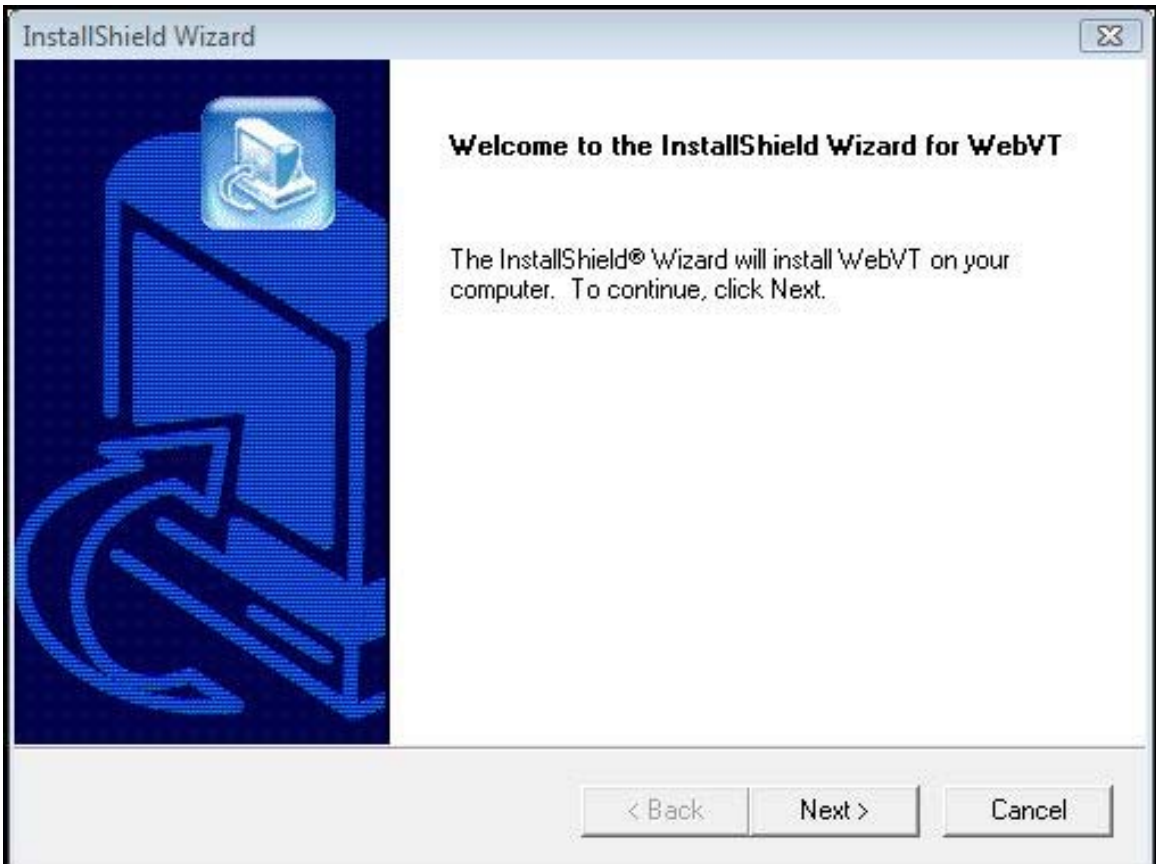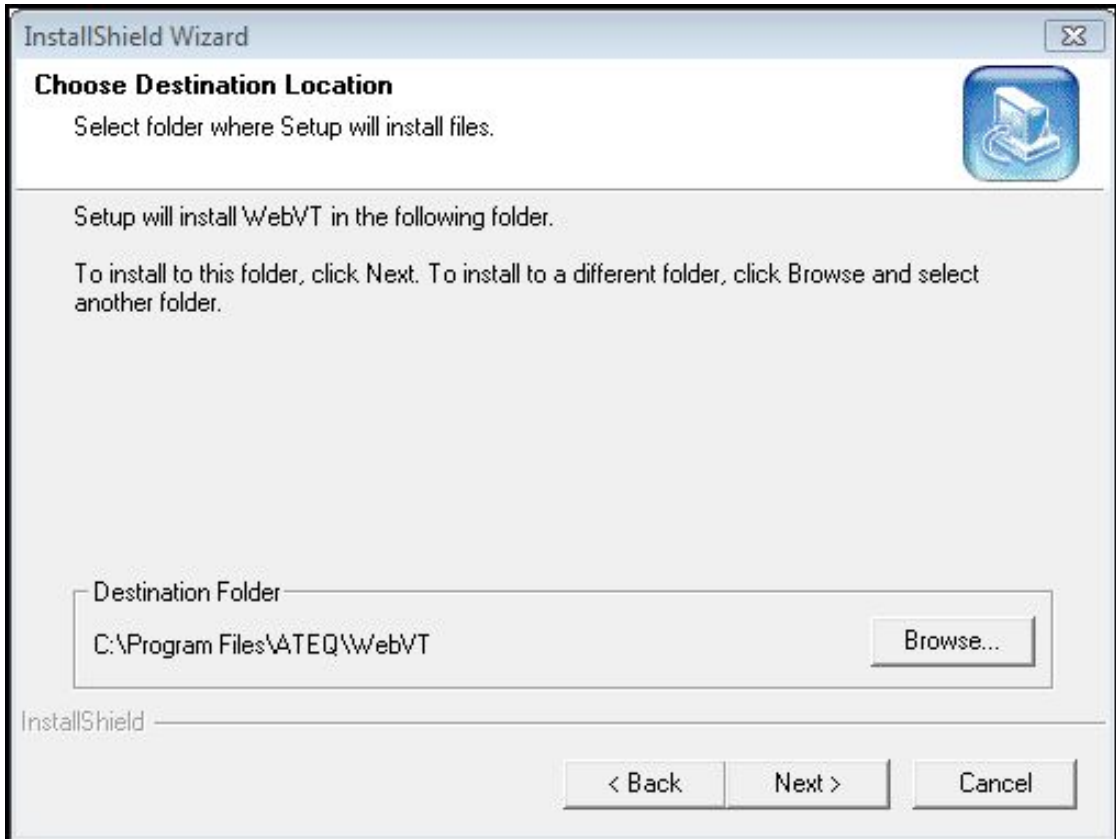
Section E – Installing WEB VT Software

1) Insert the CD, supplied with instrument, into the PC drive and click on the WebVT icon to start the program.
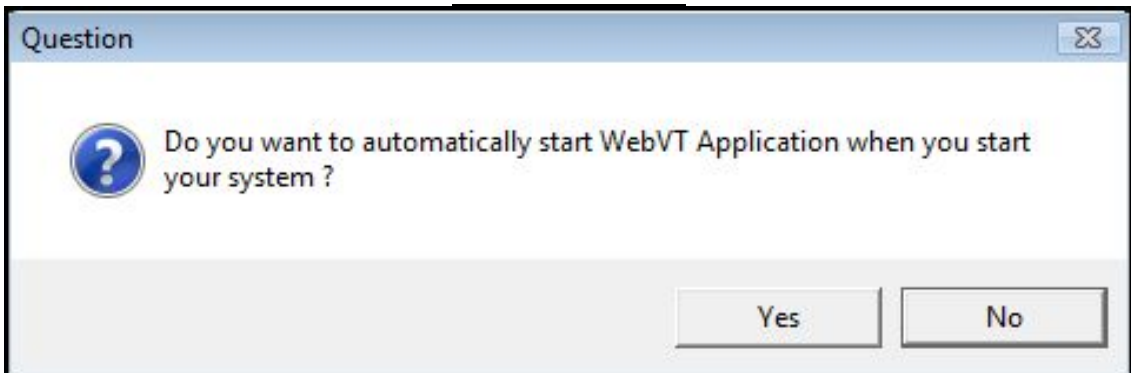

2) The following screen will appear. Click "Next>"

3) The following window will appear, please select the location you would like to save the program. Click "Next>".

4) Click "Yes" when this window appears.

5) Click "Finish" when the WebVT installation is complete.

Section F – Updating VT55/Printing Results

1) Connect the USB cable from the VT55 to the PC. Click on the WEB VT Icon to start the program.

2) The following screen appears. You may "Update Device" or print "Valve ID's" from here as well.

3) Press "Yes" to update to the latest software version. Update will take several minutes to complete and the status bar will indicate the percentage of update completed.

4) When the update is complete, disconnect the VT55 USB cable and close the program.

**Note: You must have an internet connection to update the VT55 with WebVT software.

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TRP Test Box

- Pre-Test TPM sensors before you mount them to the tire.

- Ensure your gauge pressure matches the "Tire Relative Pressure".

- Save valuable time.

CDP40 Pressure Calibrator

- Calibrate pressure gauge.
- Verify TPM pressure reading with pressure gauge.

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