



# INTRODUCCIÓN

(O(HVXERPSUREDROHOERPSUHVRUHOHFWUyLFRByYLO□  
HHVSODDPLHWRYDULDEOHPESURSRUORVIDEULFDWHVH□  
HTXLSRVRULLDOHV(VWSRVLWLWLYRFRPSUXHEDODVYiOYXODVH□  
FRWUROHOHFWUyLFRHERPSUHVRUHVHVSODDPLHWRYDULDE  
ByYLO6HEROREDHOtHDHWUHODYiOYXODHERWUROHO□  
FRHFWRUHOPDRHEDEOHVORTXHSHUPLWH□DRVWLFEDU□  
SUREOHPDVHODYiOYXODDWHVHUHFDDUWRRHOERPSUHVRU□  
/D YiOYXOD H FRWURO HQHFWUHXOD OD SUYMLWHUD HO□  
FRPSUHVRU SDUD FDPEDUHW SODDPLHWR (O FRPSUREDRO□  
UHXOD OD MHxDO H HWUDD D OD YiOYXOD SDUD YHULIFED  
IXFLRDPLHWR□  
(VWH □VSRVLWLWLYR DXD DOWpFLFRD □DRVWURBOHPDVH HO□  
ByYLOERFRPSUHVRUHVTXHLFRUSRUDXD YiOYXODHERWURO□  
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OFRWURODUPDXDOPHWH HOIXFLRDPLHWRHODYiOYXODUHXF  
ORVERVWRVHUHSDUDELYHOWLHPSRHVHUYLFERDHPiVHHYLW  
X□LDyVWLFER□HUUYHR□□XD□VXVWLWXFLY□LHFRVDULD□□HO□  
FRPSUHVRU□

## VENTAJAS Y CARACTERÍSTICAS

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- IQFOXHXQDDSWDRUH□ •  
ERQHEWRUSDUD□  
FRPSUHVRUHVDQWLXRV□  
QXHRV□
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# EVDC TESTER DESCRIPTION

CONNECT BATTERY  
CLIPS TO BATTERY

VALVE CONNECTION  
CABLE CONNECTS  
TO COMPRESSOR VALVE



**EVDC102 CONNECTOR  
ADAPTER**

**EVDC101 VALVE  
HARNESS MODULE**

**ECV100 TESTER**

## Operating Instructions

1. Connect a/c manifold gauges or a/c recover/charge machine to the high and low pressure side of the A/C system.
2. Disconnect the control valve harness from the compressor control valve.
3. Connect the EVDC 101 Valve Harness Module to the compressor control valve harness.\*
4. Connect the EVDC100 Tester valve connection cable to the compressor control valve.
5. Attach the EVDC100 Tester to a 12V battery source.
6. Connect red battery clip to the positive battery post terminal.
7. Connect the black battery clip to the negative battery post terminal.
8. Start the engine of the vehicle and turn the A/C system to MAX A/C and make sure that the compressor clutch on or is engaged.
9. Rotate control knob on the EVDC100 Tester to the ON position. The red power LED will turn on. **See figure 1 below.**
10. To activate the control valve on the compressor rotate the control knob slowly clockwise from MIN towards MAX to activate and observe pressures on the high and low sides of the A/C system. **See Figure 2 below.**



**WARNING: DUE TO HEATING, DO NOT LEAVE THE VALVE HARNESS MODULE CONNECTED FOR EXTENDED PERIODS (NO MORE THAN 30 MINUTES) OR LEAVE UNATTENDED.**

## EVDC100 on Minimum Stroke



Figure 1

## EVDC100 on Maximum Stroke



Figure 2

11. If no change in pressure occurs on the manifold gauges, the valve or the compressor is defective.
12. If there are changes observed and the suction low side pressure goes down or the high side pressure goes up, the compressor is working properly. Continue further diagnosing the A/C system upstream from the compressor is required.
13. Disconnect the EVDC100 tester from the compressor control valve and the valve harness module from the harness. Reconnect the valve harness to the compressor control valve, and make any necessary repairs.

# Using the EVDC Connector Adapter

## **For the current compressor control valve connector style:**

Connect the EVDC100 valve connection cable to the compressor control valve.

Connect the connector adapter EVDC102 to the EVDC101 Valve Harness Module and then connect to the control valve harness as shown below:



## **For the new compressor control valve connector style:**

Connect the EVDC102 connection adapter to the EVDC100 valve connection cable and then connect to the compressor control valve as shown below:



Connect the EVDC101 Valve Harness Module (without the adapter EVDC102) to the Valve Harness as shown below:



## Replacement Parts

<b>Item</b>	<b>Part Number</b>
EVDC101 Valve Harness Module	AC-EVDC101
EVDC102 Connector Adapter	AC-EVDC102
EVDC 103 Valve Connector Cable	AC-EVDC103
EVDC104 Battery Cable Positive	AC-EVDC104
EVDC105 Battery Cable Negative	AC-EVDC105
Carrying Case	AC-CAS001
Instruction Manual	AC-EVDCMAN

## Product Specifications

<b>Model #</b>	<b>EVDC100</b>
<b>Name</b>	<b>AC Compressor Electronic Control Valve Tester</b>
<b>Battery Cable Length</b>	<b>4 ft</b>
<b>Valve Cable Length</b>	<b>6 ft</b>
<b>Power Requirement</b>	<b>12VDC (Vehicle Battery)</b>
<b>Removable Cable Connector Type</b>	<b>GX16</b>
<b>Adapter Connectors</b>	<b>Dual Function</b>
<b>Tester Output</b>	<b>Adjustable</b>
<b>Warranty</b>	<b>2 Years</b>
<b>Weight, lbs</b>	<b>1.5 lbs</b>



## **RETURN FOR REPAIR POLICY**

Every effort has been made to provide reliable, superior quality products. However, in the event your instrument requires repair, forward unit to Service Center freight prepaid to the address below with return address, phone number and/or email address.



## **WARRANTY POLICY**

The EVDC100 A/C Compressor Electronic Control Valve Tester is warranted to be free of defects in materials and workmanship for a period of one year from the date of purchase. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use including unauthorized opening of the unit. Please ship warranty units that require repair freight prepaid to Service Center along with proof of purchase, return address, phone number and/or email address.