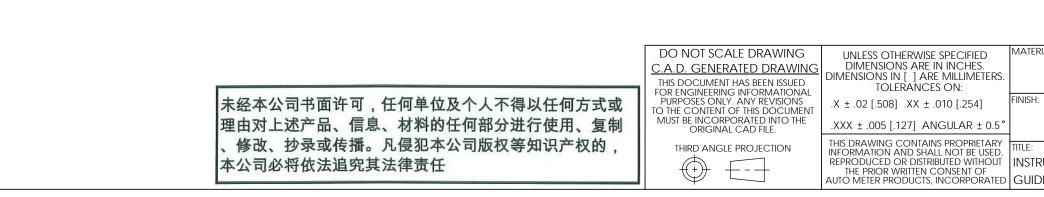




- 1) PRINT ON 11" x 17" PAPER DOUBLE-SIDED.
- 2) 5 MILS THICK LAMINATE 11.5" x 17.5"

- 5) ARTWORK IMAGE ON THIS PRINT IS FOR REFERENCE USE ONLY. CONTACT AUTO METER FOR PRODUCTION ARTWORK.



	dwg. no. 2650-1567-00				
DESCRIPTION	DRAWN BY	RAWN DRAWN BY DATE		ELEC. ENG.	DEPT. MGR.
EASE FOR NEW PART	AMS	04/20/11	MRG	-	MRG

3) SCORE AND FOLD INTO BOOKLET WITH PAGES IN NUMERICAL ORDER.

4) DRILL A .25" DIAMETER HOLE ON THE "+" MARK THROUGH ALL PAGES.

IAL:	<u>Auto</u> Meter				
	PRODUCTS, INCORPORATED 413 WEST ELM STREET SYCAMORE, ILLINOIS 60178				
	SCALE: NTS	SHEET 1 OF 3			
RUCTION, QUICK REF DE, BVA-200S	2650-1567-00				

REV.	ECO#	
1	-	

# How to Use the Tester -Alternator Test-

## WARNING: Safety glasses or goggles must be worn when using the tester.

1. It is recommended to perform all three tests (Battery, Starter, and Alternator). If continuing with the Alternator Test immediately after Starter Test, (you can leave the engine running), scroll down to the "Alternator Test" line & press Y / Enter Key

4

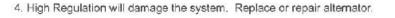
2. The Tester will automatically allow the voltage to stabilize before the test begins: Progress bar will indicate the tester is testing. (Be patient, it can take up to 30 seconds for the voltage to stabilize)



043 120 ALTER VOLT REG FAILED

ATTERY TEST INNTER TEST TERNATOR TEST EVIEW/PRINT

3. If the charging system tests good, the screen will appear.



5. If measured output is displayed the output may be low for some systems.



- N If LCD reads "FAILED OUTPUT", It is recommended you test again O with the engine at a faster idle (approx. 2000 RPM). If the test still
- T reads "FAILED OUTPUT" Remove the Alternator and bench test it. E



Auto Meter Products Inc. 413 West Eim St Sycamore, IL 60178

Service (815) 899-0801 Toll Free (866) 883-TEST (8378) www.autometer.com/test

2650-1567-00 4/14/11





· Checks 6 and 12 volt batteries.

г

+

- · Performs starting test and charging test on 12V systems.
- · Unit uses a replaceable 9-volt alkaline battery to power LCD screen. Prompts when internal battery needs replacement.



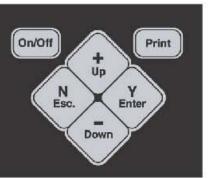
LCD Window	Displays menus and test results	When a key is pressed the tester will beep				
On / Off Key	Manual On/Off key. The Display will show "Ready to Connect" when the unit is turned On.	Print Key	Prints test results to thermal printer.			
Y / Enter Key	<ul> <li>(1) Selects the next Menu</li> <li>(2) The cursor line item</li> <li>(3) The answer "Y" / Yes to a test progression.</li> </ul>	+ / Up Key	<ul> <li>(1) Moves the cursor up in order to select a menu line.</li> <li>(2) Increases certain display values.</li> </ul>			
N / Esc Key	<ul><li>(1) Cancels a test or progression.</li><li>(2) Returns to the previous menu screen.</li></ul>	- / Down Key	<ul> <li>(1)Moves the cursor down in order to select a menu line.</li> <li>(2) Decreases certain display values.</li> </ul>			

DO NOT SCALE DRAWING C.A.D. GENERATED DRAWING	DIMENSIONS ARE IN INCHES.	MATERIA
THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL	DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES ON:	
PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT	.X ± .02 [.508] .XX ± .010 [.254]	FINISH:
MUST BE INCORPORATED INTO THE ORIGINAL CAD FILE.	.XXX ± .005 [.127] ANGULAR ± 0.5°	
THIRD ANGLE PROJECTION	THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED,	TITLE:
	REPRODUCED OR DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF	INSTRU
	AUTO METER PRODUCTS, INCORPORATED	GUIDE

	dwg. no. 2650-1567-00				
DESCRIPTION	DRAWN BY	DRAWN DATE	MECH. ENG.	ELEC. ENG.	DEPT. MGR.
See Sheet1	-	-	MRG	-	MRG

1

	п
ay get hot after	
d the unit from the	
away from the grill.	
	- 14



IAL:	<u>Auto</u> Meter			
	PRODUCTS, IN 413 WEST E SYCAMORE, I	ELM STREET		
	SCALE: NTS	SHEET 2 OF 3		
uction, quick ref E, BVA-200s	2650-1567-00			

REV.	ECO#	
1	-	

		How to Use -Battery		
	Connecting the Teste	r		
2.	Safety glasses or gog Press the On / Off Ke Connect the clamps t	У	when using the tester. Red clamp to (+) Positive Black clamp to (-) Negative	
	Performing a Battery	Test		
1.	When the tester sens automatically defaults prompt "Battery Temp	to a battery test and		BATTERY TEST STARTER TEST ALTERNATOR T REUIEW-PRINT
2	If the battery test is w (if the temperature is the Up / Down keys Y / Enter Key)	extremely different th	nan 70°F - Use	Seattery test TEMP 7 12.56 USE +/ *Y' TO CONTI
3.	Enter the CCA rating and the - / Down keys Y / Enter key to conti	s to change the rating	g. Press	SENTER BATED 600 LSE +/ 12.560 *** TO CONTI
4.			Cycle AGM Cycle STD	CHOOSE BATT TH STARTING STAND USE +/- 'Y' TO CONTINU
5.	Confirm Inputs. If input If changes are require Battery Test Begins	같은 아직 것이 아이들은 것이 같은 아직을 많았는 것이 것이 없다.	s 'Y' to continue ter battery information.	STARTING STAN
6.	Results are displayed			#32 120 BATTERY GCCD BATTERY 12.537 CH6 10
	Good Battery	Battery is ready for	service.	12.530 CHB 10 RATED CDA 600
	Marginal Battery	Battery is good nov start the vehicle un temperatures.		#36 120 BRTTE MARGINAL BATT 12.530 CHG 10 RATED CCA 600
	Good Needs Charge	Battery good but in to be charged by th or customer before returned to service	ne store ∋ being	134 120 BATTE 6000 HEEDS 24 12.240 CH6 52 RATED DCA 600 1235 120 BATTE
	Charge and Retest	Battery did not hav charge for a compl Charge the battery	ete Load Test.	#35 120 BATTE CHARGE & TEST 12.060 CHG 25 RATED CCR 600 T33 120 BATTE EAU BATTERYI
	Bad Battery	Replace battery.		12.45V CHG 75 RATED DCA 600

							DV	NG. NO.	20	650-1	567-C	0
				REV.	ECO#	DESCRIPTION	DI	RAWN BY	DRAWN DATE	MECH. ENG.	ELEC. ENG.	DEPT. MGR.
				1	-	See Sheet1		-	-	MRG	-	MRG
				_					_			
			How	to Us	se the Te	stor		3				
					r Testing			1				
							SAFETY GLASSE	5				
		nnecting the										
	2. Pre	ss the On / (	or goggles mus Off Key Imps to the batt		Red cl	sing the tester. amp to (+) Positive batter clamp to (-) Negative batte						
		Choosing a	Starter Test									
	1.		Up and - / Down enu. Press the Y /				BATTERY TI SSTARTER TI ALTERNATO REVIEWPR	EST EST R TEST INT				
	2		ngine as Prompte n <i>ly be complete</i>				START ENG: "H" TO CAN TESTING ST PLEASE WAL	NCEL				
	3.		aw is between 75 system is likely g				H 40 12U STARTER LURRENT 2008 -PABS- 'Y' TO CONTINUE URRENT 60R -FHILED- 'Y' TO CONTINUE					
	4.		under 75A, a sol ikely & following			or corrosion						
		Check conr or bad conr	nections, cables a nection.	at all co	ontact points	for corrosion	HEXT STEP: CK SOLENOII CK CONNECT CK FOR COR	IONS				
			ctions are good, r				CK CRBLES IF ALL CK ( REDOMMEND ) TESTING ST	BENCH				
		information	aw is over 251A, to determine if st at type of engine y	arting	system is go	ood. The next screen	WHAT TYPE I ARE YOU TE: USE -/+ DII *Y* TO CON	ESEL				
		If engine is number of c	Diesel, the scree sylinders.	ns will	prompt you	to enter the	HOU MARY CYL DOES ENGINE USE -2+ 4 YY TO CON	E HAVE				
						he screen will appear.	#74 120 BF CURRENT 60 -FAILED 'Y' TO COM					
		screens. Pr	Jp) and (-Down) H ess Y or N to go t	to main	n menu.	23 1990a - 172	HEXT STEP: CK SOLENOID CK CONNECT CK FOR COR	D IDHS RDSION4				
		If all connected test it.	ctions are good, r	emove	the starter	and bench	CK CHBLES IF ALL CK ( REDOMMEND I TESTING ST	GCOD BENCH ARTER				
DO NOT SC <u>C.A.D. GENE</u> THIS DOCUME	ERATED NT HAS B	DRAWING	UNLESS OTHE DIMENSIONS DIMENSIONS IN	s are i	N INCHES. E MILLIMETER	MATERIAL: 25.		Ľ	406			;ep
FOR ENGINEERI PURPOSES ON TO THE CONTEN	ILY. ANY	REVISIONS	.X ± .02 [.508]			FINISH:		F F	PRODUC			
MUST BE INCO		ED INTO THE	.XXX ± .005 [.12	27] AN	IGULAR ± 0.	5°					M STREE INOIS 60	
			This drawing CO	ND SHAL	L NOT BE USE	D,  '''LL.			SCALE:		SHEET	
		]	REPRODUCED OF THE PRIOR WR AUTO METER PROD	r distrie Ritten C	BUTED WITHOL ONSENT OF	INSTRUCTION, QUICK	REF				67-0	
				20012,					200		.01 0	<u> </u>