			DWG. NO	. 20	650-1	658-0	0
REV.	ECO#	DESCRIPTION	DRAWN BY	DRAWN DATE	MECH. ENG.	ELEC. ENG.	DEPT. MGR.
1	21294	INITIAL RELEASE FOR NEW PART	AMS	07/13/12	MRG	-	MRG
2	21475	UPDATED SCREEN WORDING TO MATCH LATEST FIRMWARE	AMS	10/09/12	MRG	-	MRG



NOTES:

- 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.

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## 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>Augo</u> Meger			
	PRODUCTS, IN 413 WEST E SYCAMORE, I	ELM STREET		
	SCALE: NTS	SHEET 1 OF 3		
RUCTION, QUICK REF DE, XTC-160	2650-1658-00			

4		How to Use the Tester	WillAsses
	WARNING:	Safety glasses or goggles must be worn when using the te	ster.
	Performing a Test Or	Ny WARNING: Use caution handling if battery temper	ature exceeds 140°
1.	Startup screen will be Press 'Y' to continue	e displayed automatically when unit is first turned on.	HUTO HETER HTC-168 TESTER-CHARGER
2.	Menu screen will disp Press 'Y' to continue	play cursor pointing to >Test Only.	CHARGE & TEST CHARGE CHLY STEET CHLY REVIEW-PRINT
3.	Connect clamps to b Press 'Y' to continue		CONFECT CLAMPS TO BATTERY. RED + BLACK - (N° TO CANCEL.
1.		Ily measures the battery temperature.Press 'Y' to continue. r 180°F; the XTC-160 will prompt you to allow the battery to cool before ting the battery.	HERSLRING BRIT. TEMP.: 76F
5.	· 그는 것은 가지에 해야 한 것을 많이 있다. 또 것이 있는 것을 같은	or the battery. Use the + / Up and the - / Down keys to change inter key to continue once the rating has been entered.	SENTER RATED COP COO UBE +/~. VV TO CONTINUE
3.	Scroll down to choose type of battery.	Starting Standard Standard AGM Deep Cycle AGM Deep Cycle STD	
7.		uts are correct, Press "Y" to continue ed, Press "N' to reenter battery information.	STARTING STRUCK TEMP. 705 RATED CCA= 505
8.	Results/Next Steps a scrolling down using	the - / Down button. Note: Next Steps are included on every test result printout.	11 120 BATT. COOD SATTERY 13.690 CHRB 192 (V) PRINT-HORE
	Good Battery	Battery is good.	Y PRINT-HORE
	Near End of Life	Battery is ok for mild climate. May not start vehicle in hot or cold conditions.	HE 120 BATT. HEMR END OF LIFE 12.650 DHRB 1854 USE ~~ Y PRINT
	Good Needs Charge	Needs Charge Battery good but needs to be charged by the store or customer before being returned to service	
	Charge and Restest	Battery did not have sufficient charge for a complete Load Test. Charge the battery then retest.	11 120 BATT. CHARBE & TEST 12. BOU CHES ON 'Y" PRINT - MORE
	Bad Battery	Replace battery.	21 120 EATT. BAD BATTERY! 13.450 CHRS 1000 'Y' FRINT-MCRE
		A	uto Meter Products In



Auto Meter Products Inc. 413 West Elm St Sycamore, IL 60178 Service (815) 899-0801 Toll Free (866) 883-TEST (8378) 2650-1658-00 Rev. A 10/4/12 www.autometer.com/test

### XTC-160 Battery Charging, & Testing System



+

WARNING! FOR HYBRYD VEHICLES DO NOT test the starter, alternator and/or 12 volt starting battary while it is in the vehicle. DO NOT remove, service or test the hybrid battery pack under any circumstances . Remove the 12 volt starting battery, starter or alternator from the vehicle prior to besting.

Note: Power switch must be ON to communicate with POSI-160.

· Charges and Tests 6 and 12 volt batteries.



When a key is pressed the tester will beep.





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	DWG. NO	. 20	650-1	658-0	0
DESCRIPTION	DRAWN BY	DRAWN DATE	MECH. ENG.	ELEC. ENG.	DEPT. MGR.
See Sheet1	-	-	MRG	-	MRG





(1) Moves the cursor up in order to select a menu line. (2) Increases certain display values, ie CCA

 Selects the Menu. Cursor line item.
Press "Y" / Yes to test progresssion.
Enters item.

> Displays menus and test results.



RAL:		Meter	
	PRODUCTS, IN 413 WEST E SYCAMORE, I	ELM STREET	
	SCALE: NTS	SHEET 2 OF 3	
RUCTION, QUICK REF DE, XTC-160	2650-1658-00		

REV.	ECO#	
2	-	

2		How to Use the Charger/Tester -Charge & Test-	UNIC CLEAR AND
_	WARNING: S	afety glasses or goggles must be worn when using the te	ster.
-	Performing a Charge a	nd Test WARNING: Use caution handling if battery temper-	ature exceeds 140°.
1.	Startup screen will be o Press 'Y' to continue.	displayed automatically when unit is first turned on.	HUTO NETER VID-188 TEOTER-CHROER 197 TO HENU
2.	Menu screen will displa Press 'Y' to continue.	ay cursor pointing to >Charge and Test.	CHARGE & TEST CHARGE CHLY TEST CHLY FEUTELLARINT 4
3.	Connect clamps to batt	tery. Red clamp to (+) Positive battery post Black clamp to (-) Negative battery post	CONNECT CLANFS TO BATTERY. RED + BLACK - FNY TO CANCEL.
4.	The XTC-160 will autor NOTE: If the battery is over 12	measures and monitors the battery temperature. matically proceed to the next function. 0°F, the XTC-160 will prompt you to allow the battery to cool before ng and testing the battery.	NERSURING BATT. TEP.1 78F
5.	이 집에서 잘 걸려서 소비가 많은 것 같아요. 것은 것 같아요. 프라이언이다.	the battery. Use the + / Up and the - / Down keys to change ther key to continue once the rating has been entered.	HITER RATED COR SOO USE 1.~. 'Y' TO CONTINUE
6.	choose type 5	itarting Standard itandard AGM Jeep Cycle AGM Jeep Cycle STD	
7.		s are correct, Press 'Y' to continue 1, Press 'N' to re-enter battery information.	STARTING STA DRD TEMP. 70F RATED CCA= 500 'H' CR 'Y'
8.	may extend the charge	harged, the XTC will slowly recharge your battery. This time needed to accurately test the battery.	CHRRAING Plerse Vait 'H' to stop
	Battery Charging and T	esuing Begins	CHERGING TINE LEFT: 18 HIN SHCOJOJ T:28 "H" TO STOP
9.	Results/Next Steps Adv scrolling down using the	vice are displayed. Next Steps Advice can be viewed on s e - / Down button.	creen by
	Good Battery	Battery is good.	#1 120 BATT. 9000 BATTERY 12.690 CHEG 1005 (Y' PRINT-MORE 1
	Near End of Life	Battery is ok for mild climate. May not start vehicle in hot or cold conditions.	11 120 BRTT. NEAR END OF LIFE 12.550 CHAR LORS 'Y' PRINT-MORE 4
	Bad Battery	Replace battery.	#1 120 EATT, EAD SATTERY 12,650 CHES 100% 'Y' FRIHT-MORE 1

# How to Use the Tester -Charging Only-

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

160			
	Performing a Char	ge Only	WARNING: Use caution handling if bat
1.	Startup screen wil Press 'Y' to contin		yed automatically when unit is first turned
2.	Menu screen will ( Press 'Y' to contin		sor pointing to >Charge Only.
3.	Connect clamps to Press 'Y' to contin		Red clamp to (+) Positive battery po Black clamp to (-) Negative battery
4.	The XTC-160 will	automatica er 120°F, the J	sures and monitors the battery temperatu ally proceed to the next function. XTC-160 will prompt you to allow the battery to cool be sittery.
5.			attery. Use the + / Up and the - / Down keys / to continue once the rating has been enter
6.	Scroll down to choose type of battery.	Standard	cle AGM
	choose type of battery.	Standard Deep Cy Deep Cy inputs are	d AGM cle AGM
	choose type of battery. Confirm Inputs. If If changes are req If battery is deeply	Standard Deep Cy Deep Cy inputs are juired, Pres discharge narge time	d AGM cle AGM cle STD correct, Press 'Y' to continue
7.	choose type of battery. Confirm Inputs. If If changes are req If battery is deeply may extend the ch Battery Testing Be	Standar Deep Cy Deep Cy inputs are juired, Pres discharge harge time egins	a AGM cle AGM cle STD correct, Press 'Y' to continue ss 'N' to re-enter battery information. ed, the XTC will slowly recharge your batt
7.	choose type of battery. Confirm Inputs. If If changes are req If battery is deeply may extend the cr Battery Testing Be NOTE: The unit will a	Standard Deep Cy Deep Cy inputs are juired, Pres discharge narge time agins utomatically s Advice a	AGM cle AGM cle STD correct, Press 'Y' to continue ss 'N' to re-enter battery information. ed, the XTC will slowly recharge your batt needed to accurately test the battery. stop charging if the battery becomes too hot. re displayed. Next Steps Advice can be v

Failed to Charge Battery

Battery would not accept charge.



	DWG. NO	. 20	650-1	658-0	0
DESCRIPTION	DRAWN BY	DRAWN DATE	MECH. ENG.	ELEC. ENG.	DEPT. MGR.
See Sheet1	-	-	MRG	-	MRG







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	PRODUCTS, IN 413 WEST E SYCAMORE, I	ELM STREET
	SCALE: NTS	SHEET 3 OF 3
uction, quick ref E, XTC-160	2650-1	658-00