No. 00.17 Pg. 1

TECHNICAL SERVICE BULLETIN NSS Enterprises, Inc.



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Please post for your Service Department to see

To:	NSS Distributors & Service Centers
Date:	7-31-07
Product:	All Wrangler, Champ, and Charger Models that use a Potentiometer
	for speed control
Subject:	Potentiometer Troubleshooting and Adjustment

Potentiometer Troubleshooting and Adjustment

- 1. Turn the machine off and disconnect the batteries.
- 2. Remove the necessary covers to gain access to the potentiometer.
- 3. Remove the wires from the potentiometer. <u>Note where they are connected!!!</u>
- 4. Set your meter to the Ohms scale at least 10 K Ohms.





5. Place your meter leads from outer post to outer post on the potentiometer. (See picture above)

6. Your meter should read about 5K ohms + or -.2 K ohms. Normally over time you will see the resistance of the potentiometer increase to the point of failure.

If you have questions please contact: NSS Technical Services 800-261-3499

No. 00.17 Pg. 2

- 7. Next you should check the potentiometer to make sure it is adjusted correctly.
- 8. Place your meter leads on the center post and outer post as shown in the picture.
- 9. When the machines handle bar or foot pedal is in the neutral position you should read about 2.5 K ohms + or .1 K ohms.
- If necessary loosen the gear or linkage and move the shaft on potentiometer until you read 2.5 K ohms in the neutral position. Tighten the gear or linkage.
- 11. Connect the potentiometer wires and reassemble your machine.
- 12. Connect the batteries and test run the machine





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