

2004 XLH MODELS

SERVICE MANUAL

Part Number 99484-04

Section 1: Product

Section 2: Chassis

Section 3: Engine

Section 4: Fuel System

Section 5: Starter

Section 6: Drive/Transmission

Section 7: Electrical

Appendix

ELECTRICAL DIAGNOSTICS

Part Number 99495-04

Section 1: Starting & Charging

Section 2: Instruments

Section 3: TSM & TSSM

Section 4: Engine Management

Section 5: Wiring

[Table Of Contents](#)

ELECTRIC STARTER 5

SUBJECT	PAGE NO.
5.1 Specifications	5-1
5.2 Torque Values	5-2
5.3 Electric Starter System	5-3
5.4 Starter Motor	5-6
5.5 Starter Solenoid	5-12

Table 5-1. Starter

Free (no load) speed	3000 rpm (min.) @ 11.5 V
Free (no load) current	90 amp (max.) @ 11.5 V
Stall torque	8.1 ft-lbs (11.0 Nm) (min.) @ 2.4 V

Table 5-2. Service Wear Limits

ITEM	IN.	MM.
Brush length (minimum)	0.443	11.0
Commutator runout	0.016	0.41
Commutator diameter (minimum)	1.141	28.98
Commutator mica depth (minimum)	0.008	0.203

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