

2.50

Any Problems?
 Contact us: 1-877-888-6432
 Monday-Friday 7:00 a.m.-7:00 p.m. Central Time
 990700844

PLEASE READ THE FOLLOWING INSTRUCTIONS BEFORE INSTALLATION.

INSTALLATION INSTRUCTIONS
 THROTTLE POSITION SENSOR

SENSOR MOUNTING SCREWS WILL BE DAMAGED UNLESS INSTRUCTIONS BELOW ARE FOLLOWED

THROTTLE POSITION SENSOR INSTALLATION INSTRUCTIONS

REMOVAL
 1. Remove air cleaner outlet tube from Electronic Throttle Body (ETB). Remove Throttle Position Sensor (TPS) wiring harness connector from TPS.
 2. Heat the top of the ETB housing using a heat gun until the top Throttle Position Sensor mounting bolt flange area reaches approximately 130 degrees F (55 degrees C). The heat will transfer through the ETB housing and heat the mounting screw thread locker that is on the mounting screws.

CAUTION: DO NOT DIRECT HEAT AT THE THROTTLE POSITION SENSOR (TPS) OR ANY OTHER PLASTIC PARTS BECAUSE HEAT DAMAGE MAY OCCUR. DAMAGE TO THE ETB MAY ALSO OCCUR IF THE ETB TEMPERATURE EXCEEDS 248 DEGREES F (120 DEGREES C).

3. Quickly remove both mounting screws using a hand ratchet wrench starting with the bolt farthest away from the applied heat. Remove the sensor from the ETB. **NOTE: DO NOT USE POWER TOOLS.**

INSTALLATION

1. Position new TPS and engage it on the throttle shaft tang.
 2. Push TPS onto the throttle shaft making sure it is fully seated and the locator tab on the TPS is aligned with the locator hole on the ETB.
 3. Install the two (2) new mounting screws and torque to 27 in-lb (3 N-m).
 4. Reinstall the TPS wire harness connector.

(A)


(A)

10.00

FRONT

BACK

4 FOLDS 2.5 X 1.0

| | | | | | | | | | | | | | |
|---|--|-------|---------|-----|---|-------------------------|----------|----------|---------|---|--------------------------------|-----|---|
| | | | | | TOLERANCES UNLESS SPECIFIED TWO PLACE DECIMALS ± .015 THREE PLACE DECIMALS ± .005 ANGLES ± 1° | | SCALE | NTS | |  | | | |
| | | | | | MATERIAL | 20# WHITE SULFIDE PAPER | | DATE | 1-13-11 | | | | PURCH. <input type="checkbox"/> PROD. <input type="checkbox"/> MODEL TPS4212 |
| | | | | | FINISH | N/A | | DRAWN BY | SAM | | SUBJECT | N/A | |
| | | | | | CAD REF. | N/A | | ENGINEER | 1-13-11 | DAL | TITLE | | INSTRUCTION SHEET |
| | | | | | | | APPROVED | 1-13-11 | TDS | | | | |
| | | | | | | | SHEET | 1 | OF | 1 | B PART NO. 990700844 | | |
| A | REVISED TYPESET ADDED BLANK GLUE AREAS | 36553 | 5-9-13 | SAM | PART NO. 990700844 | | | | | | | | |
| | RELEASED | 33914 | 1-13-11 | SAM | | | | | | | | | |
| L | REVISION | CN | DATE | BY | | | | | | | | | |