

PARTS LIST

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Hex Key, 3mm
Wrench, 15mm
Wrench 22mm or 7/8"
Slip-joint Pliers
Plastic "Dead Blow" Hammer
Silicone Spray
Anti-Seize Compound

NOTE: Warranty Card, item 5 must be completed and mailed back to National Cycle, Inc.

NOTE: Right and Left side of Motorcycle is determined while sitting on the bike.

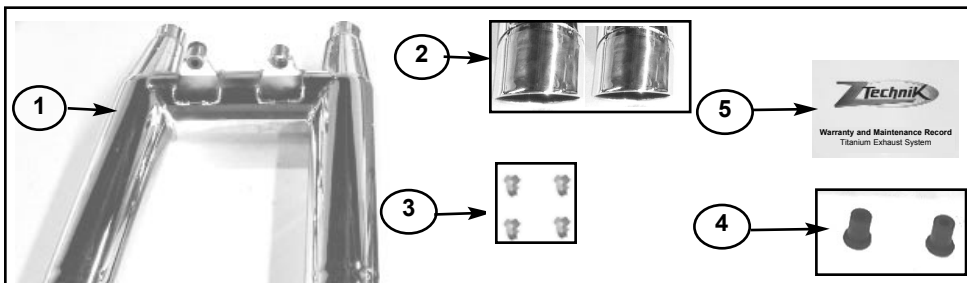


Figure 1

PREPARATION

1. Complete and return Warranty Card, item 5.
2. Position the motorcycle securely on its side stand or a work stand. If this is not possible then two people will be required for this installation. Put the motorcycle in first gear to further prevent movement of the motorcycle.
3. Remove the Lambda Sensor from the center crossover tube of the muffler (wrench, 22mm). Carefully, let the Lambda Sensor hang from its wires. Figure 2 and 3.

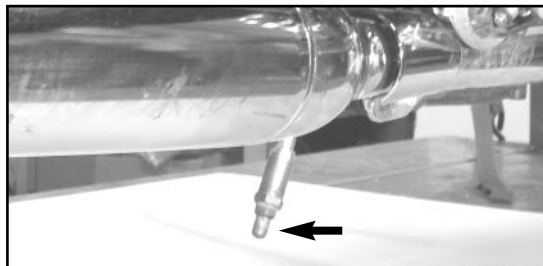


Figure 3

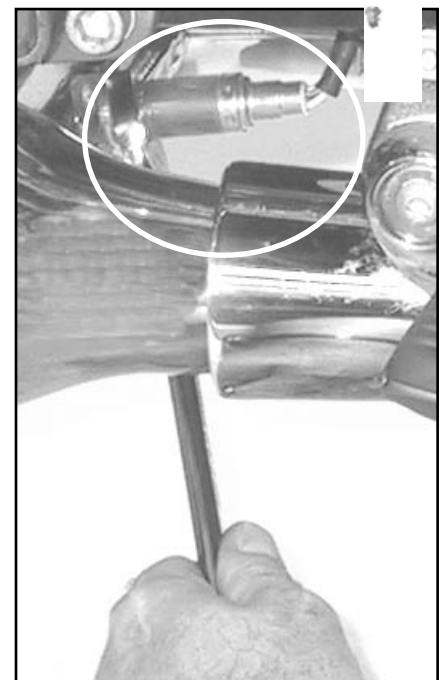


Figure 2

PREPARATION CON'T

4. Remove the retaining rings from the hanger studs located above the crossover tube (slip-joint pliers). Retain the clips, as they will be reused. Figure 4.
5. Fully loosen the nuts on the clamps that hold the muffler assembly to the head pipes (wrench, 15mm), the nuts do not need to be removed. Figure 5.
6. Pull the muffler assembly off of the motorcycle. The "Dead Blow" hammer may be useful in getting the muffler to slide off of the head pipes and hanger studs. Be careful not to damage the Lambda Sensor. Figure 6.
7. Leave the clamps on the muffler, in the same locations as originally installed, for now.

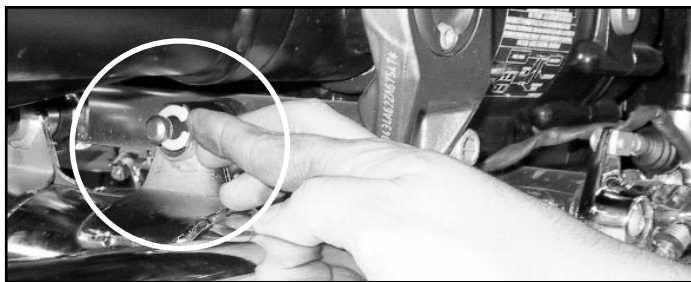


Figure 4



Figure 5



Figure 6

INSTALLATION

1. Install the slash-cut end caps onto the outlet ends of the Z-Technik Muffler Assembly. **The End Caps must face out or down**, facing up or in may promote damage to the motorcycle. Secure the end caps with the M5 x 8 screws (hex key wrench, 3mm). Figure 7.

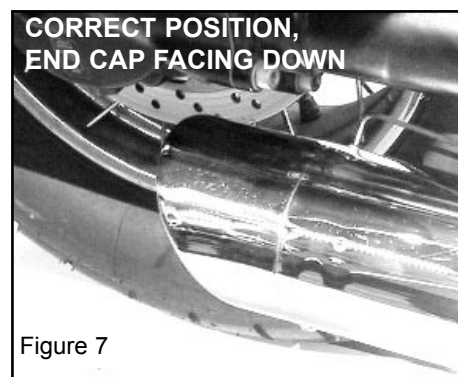


Figure 7

2. Insert the Rubber Bushings into the hanger tubes on the Muffler Assembly, so the shoulder on the Bushings is at the front of the hanger tubes. Lubricate the inside of the Rubber Bushings with the (silicone spray.)
Figure 8.

3. Transfer the clamps from the original muffler assembly to the Z-Technik Muffler Assembly so the clamps are on the same sides and have the same orientation as originally installed. Figure 9.

4. Position the Z-Technik Muffler Assembly for installation. Make sure the head pipes are started into the Muffler Assembly and that the Rubber Bushings align onto the hanger studs. Figure 10.

5. Have an assistant hold the motorcycle so it does not fall. Carefully, push the muffler forward until the retaining ring grooves on the hanger studs are fully exposed. Install the Retaining Rings.

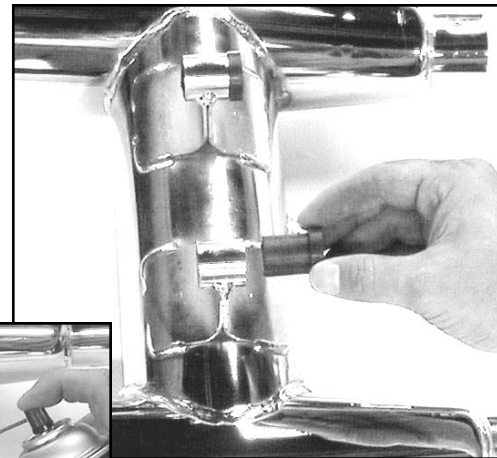
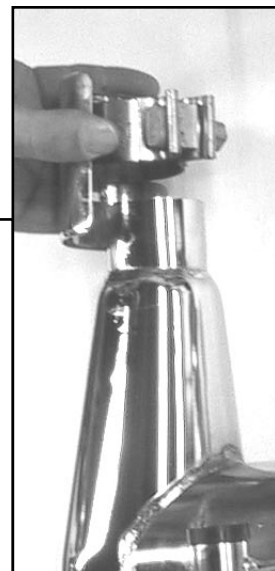
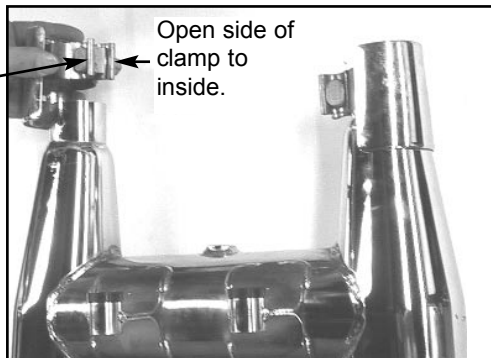


Figure 8



Correct orientation of clamp will place the open side of clamp to inside, with Head of bolt facing top side of exhaust.



Open side of clamp to inside.

Figure 9

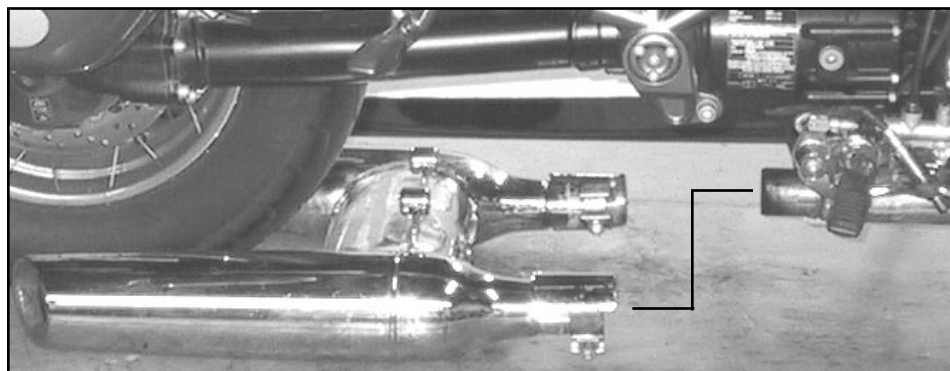


Figure 10

6. Rotate the Clamps so the nuts have wrench clearance and tighten the nuts to 55Nm (40 ft/lbs). Figure 11.



Figure 11

7. Apply anti seize compound on the threads of the Lambda Sensor. Figure 12.

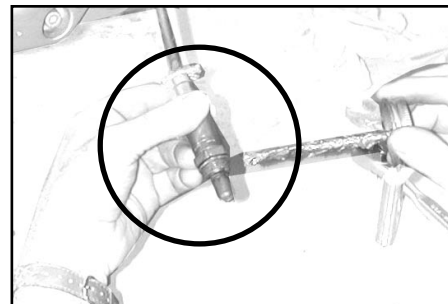


Figure 12

8. Rotate the Lambda Sensor about ten turns to "wind-up" the wires to the sensor. Thread the sensor into its port in the collector pipe, the wire should unwind as it's threaded in. Tighten firmly, 45Nm (32 ft/lbs). Figure 13.

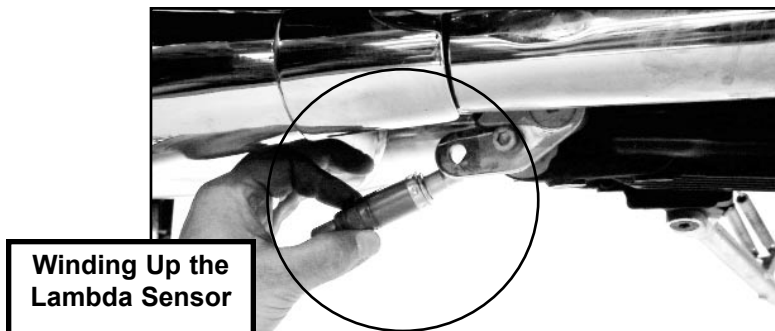


Figure 13

9. Be certain wire of Lambda Sensor is positioned back into the stock clip. Figure 14.

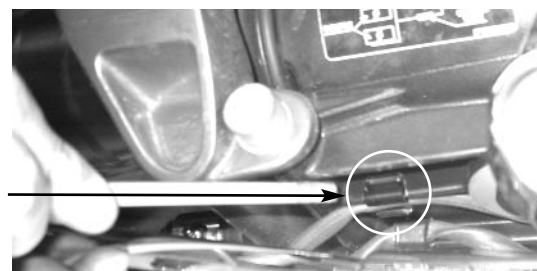


Figure 14

10. Start the motorcycle and check for leaks at the head pipes. If leaks occur the Muffler Assembly needs to be pushed farther forward. Repair any leaks before riding.

MAINTENANCE

Discoloration can be removed from the Exhaust System with a quality metal polish. Be sure to remove all polishing compound residue from the Exhaust System before running the engine.

Refer to the WARRANTY PAMPHLET 10-11841-000 for complete maintenance instructions.