

Carb Rebuild Inspection and Disassembly Report

Name _____ Date _____ # _____

Bike Model C /CT /CF

Exhaust - Stock / Stock Modified - Piggies cut / baffles drilled / Ragner cut

Aftermarket- Brand _____ Baffles in – out

Air filter- Stock / K&N

Carb Model Number _____ **Model Year** _____

1	Take pictures of As Found condition ☐																									
2	Pilot screws Stuck (S) / Free (F) # Turns from lightly Seated <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 5%;">S</td> <td style="width: 5%;">F</td> <td style="width: 10%;">#</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 5%;">S</td> <td style="width: 5%;">F</td> <td style="width: 10%;">#</td> </tr> <tr> <td style="text-align: center;">4</td> <td>S</td> <td>F</td> <td>#</td> <td style="text-align: center;">3</td> <td>S</td> <td>F</td> <td>#</td> </tr> <tr> <td style="text-align: center;">6</td> <td>S</td> <td>F</td> <td>#</td> <td style="text-align: center;">5</td> <td>S</td> <td>F</td> <td>#</td> </tr> </table>	2	S	F	#	1	S	F	#	4	S	F	#	3	S	F	#	6	S	F	#	5	S	F	#	Initial setup for tuning _____ ☐ <u>Initial Opening</u> '97 GL1500 C/CT: Except California type: 1-3/4 turns out California type: 2 turns out After '97 GL1500CF, GL1500C/CT Except California type: 2-1/4 turns out California type: 2-3/8 turns out
2	S	F	#	1	S	F	#																			
4	S	F	#	3	S	F	#																			
6	S	F	#	5	S	F	#																			
3	Pilot screws removed ☐																									
4	Pilot screw springs, washers and O-rings removed. ☐																									
5	Carb Bowl Drain screws removed. ☐																									
6	Air Rail Vent Lines Supplied? Y N Remove Vent Lines if supplied ☐ N/A-not supplied ☐	Install vent lines ☐																								
7	Fuel Line Supplied? Y N Remove Fuel line if supplied. ☐ N/A-not supplied ☐	Install new fuel lines and clamps ☐																								
8	Choke Rail Crossover Cable supplied? Y N Remove Cable if supplied. ☐ N/A-not supplied ☐	Install Choke Rail Crossover Cable if supplied ☐																								
9	Inspect and Remove Both Choke rail linkages ☐ Note any missing parts. Screws____ Spring____Stepped washer____ Flat washer____	Polish screws ☐ Lightly Lubricate ☐ Install washers and springs ☐																								
10	Crossover arm moves butterflies without sticking. Y N																									
11	Remove Crossover arm ☐ All spacers installed? Y N	Install new cotter pins ☐ Install spacers ☐																								
12	Crossover arm bearings Good / Bad	Install new bearings ☐																								
13	Chrome caps supplied? Y N Replace screws ☐	Polish if supplied. ☐ Replace screws ☐																								
14	Remove Chrome and Black Caps ☐																									

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15	Main Needle Springs C/CT or IS													
16	Verify Black Plastic Cap Passages open. ☐ Use smallest tip cleaning wire.													
17	Inspect CV Diaphragms <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%;">Good /Bad</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 20%;">Good /Bad</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Good /Bad</td> <td style="text-align: center;">3</td> <td>Good /Bad</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Good /Bad</td> <td style="text-align: center;">5</td> <td>Good /Bad</td> </tr> </table>	2	Good /Bad	1	Good /Bad	4	Good /Bad	3	Good /Bad	6	Good /Bad	5	Good /Bad	Hold them up to a light and stretch the diaphragms a little to ensure no holes exist. ☐
2	Good /Bad	1	Good /Bad											
4	Good /Bad	3	Good /Bad											
6	Good /Bad	5	Good /Bad											
18	Remove Main Jet Needle Carriers. ☐													
19	Main Needles - Stock or Aftermarket													
20	Main Needles 1997 - J6KG After 97 - J6KJ													
21	Air Horn bent? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%;">Y N</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 20%;">Y N</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Y N</td> <td style="text-align: center;">3</td> <td>Y N</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Y N</td> <td style="text-align: center;">5</td> <td>Y N</td> </tr> </table>	2	Y N	1	Y N	4	Y N	3	Y N	6	Y N	5	Y N	Straighten or replace if bent. ☐
2	Y N	1	Y N											
4	Y N	3	Y N											
6	Y N	5	Y N											
22	Air Horn Plates, horns, and gaskets removed. ☐													
23	Air Horn area air circuit tubes Open, Slow, Plugged <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%;">O S P - Tall O S P - Middle O S P - Short</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 20%;">O S P - Tall O S P - Middle O S P - Short</td> </tr> <tr> <td style="text-align: center;">4</td> <td>O S P - Tall O S P - Middle O S P - Short</td> <td style="text-align: center;">3</td> <td>O S P - Tall O S P - Middle O S P - Short</td> </tr> <tr> <td style="text-align: center;">6</td> <td>O S P - Tall O S P - Middle O S P - Short</td> <td style="text-align: center;">5</td> <td>O S P - Tall O S P - Middle O S P - Short</td> </tr> </table>	2	O S P - Tall O S P - Middle O S P - Short	1	O S P - Tall O S P - Middle O S P - Short	4	O S P - Tall O S P - Middle O S P - Short	3	O S P - Tall O S P - Middle O S P - Short	6	O S P - Tall O S P - Middle O S P - Short	5	O S P - Tall O S P - Middle O S P - Short	Verify all Open with Mighty Vac after U Sound. ☐ Install new gasket. ☐ Clean screws. ☐
2	O S P - Tall O S P - Middle O S P - Short	1	O S P - Tall O S P - Middle O S P - Short											
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6	O S P - Tall O S P - Middle O S P - Short	5	O S P - Tall O S P - Middle O S P - Short											
24	Bowls condition - Shiny/ Fungus/ Lacquer/Dust <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%;">S F L D</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 20%;">S F L D</td> </tr> <tr> <td style="text-align: center;">4</td> <td>S F L D</td> <td style="text-align: center;">3</td> <td>S F L D</td> </tr> <tr> <td style="text-align: center;">6</td> <td>S F L D</td> <td style="text-align: center;">5</td> <td>S F L D</td> </tr> </table>	2	S F L D	1	S F L D	4	S F L D	3	S F L D	6	S F L D	5	S F L D	
2	S F L D	1	S F L D											
4	S F L D	3	S F L D											
6	S F L D	5	S F L D											
25	Carb Bowl Gaskets Leaking? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 20%;">Y N Maybe</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 20%;">Y N Maybe</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Y N Maybe</td> <td style="text-align: center;">3</td> <td>Y N Maybe</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Y N Maybe</td> <td style="text-align: center;">5</td> <td>Y N Maybe</td> </tr> </table>	2	Y N Maybe	1	Y N Maybe	4	Y N Maybe	3	Y N Maybe	6	Y N Maybe	5	Y N Maybe	Clean Gasket groove. ☐ Install new Bowl Gaskets. ☐ Install new Drain Screw O-rings. ☐ Install Drain screws ☐ Vacuum check Bowls with drain screws. ☐
2	Y N Maybe	1	Y N Maybe											
4	Y N Maybe	3	Y N Maybe											
6	Y N Maybe	5	Y N Maybe											

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26	Bowl Floats in good shape? Y N																									
27	Estimate Bowl Float Needle Valve function left. _____ %	Replace with K&L 18-8955. ☐ Install new Bowl Screws. ☐																								
28	Carb jets size as Found: Slow/high ____ / ____	Jets for customer: Slow/high ____ / ____																								
29	SLOW Carb Jets Plugged? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td style="width: 5%;">2</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td><td style="width: 5%;">1</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td></tr> <tr><td>4</td><td>Y</td><td>N</td><td>Partial</td><td>3</td><td>Y</td><td>N</td><td>Partial</td></tr> <tr><td>6</td><td>Y</td><td>N</td><td>Partial</td><td>5</td><td>Y</td><td>N</td><td>Partial</td></tr> </table>	2	Y	N	Partial	1	Y	N	Partial	4	Y	N	Partial	3	Y	N	Partial	6	Y	N	Partial	5	Y	N	Partial	Install new SLOW jets. ☐
2	Y	N	Partial	1	Y	N	Partial																			
4	Y	N	Partial	3	Y	N	Partial																			
6	Y	N	Partial	5	Y	N	Partial																			
30	HIGH Carb Jets Plugged? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td style="width: 5%;">2</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td><td style="width: 5%;">1</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td></tr> <tr><td>4</td><td>Y</td><td>N</td><td>Partial</td><td>3</td><td>Y</td><td>N</td><td>Partial</td></tr> <tr><td>6</td><td>Y</td><td>N</td><td>Partial</td><td>5</td><td>Y</td><td>N</td><td>Partial</td></tr> </table>	2	Y	N	Partial	1	Y	N	Partial	4	Y	N	Partial	3	Y	N	Partial	6	Y	N	Partial	5	Y	N	Partial	Install new HIGH Jets. ☐
2	Y	N	Partial	1	Y	N	Partial																			
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6	Y	N	Partial	5	Y	N	Partial																			
31	Emulsion Tubes Plugged? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td style="width: 5%;">2</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td><td style="width: 5%;">1</td><td style="width: 15%;">Y</td><td style="width: 15%;">N</td><td style="width: 15%;">Partial</td></tr> <tr><td>4</td><td>Y</td><td>N</td><td>Partial</td><td>3</td><td>Y</td><td>N</td><td>Partial</td></tr> <tr><td>6</td><td>Y</td><td>N</td><td>Partial</td><td>5</td><td>Y</td><td>N</td><td>Partial</td></tr> </table>	2	Y	N	Partial	1	Y	N	Partial	4	Y	N	Partial	3	Y	N	Partial	6	Y	N	Partial	5	Y	N	Partial	Ultrasonic clean and verify open. ☐
2	Y	N	Partial	1	Y	N	Partial																			
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6	Y	N	Partial	5	Y	N	Partial																			
32	Pressed in Slow Jet Tubes in carb bowls Open, Slow, Plugged <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td style="width: 5%;">2</td><td style="width: 15%;">O</td><td style="width: 15%;">S</td><td style="width: 15%;">P</td><td style="width: 5%;">1</td><td style="width: 15%;">O</td><td style="width: 15%;">S</td><td style="width: 15%;">P</td></tr> <tr><td>4</td><td>O</td><td>S</td><td>P</td><td>3</td><td>O</td><td>S</td><td>P</td></tr> <tr><td>6</td><td>O</td><td>S</td><td>P</td><td>5</td><td>O</td><td>S</td><td>P</td></tr> </table>	2	O	S	P	1	O	S	P	4	O	S	P	3	O	S	P	6	O	S	P	5	O	S	P	Verify all Open with Mighty Vac after U Sound. ☐
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6	O	S	P	5	O	S	P																			
33	Back off adjustment exactly 5 turns and remove the 4 "flyaway" adjuster springs from: 1____ 5____ 2____ 6____	Install 4 "Flyaway" springs and turn adjusters in 5 turns. ☐																								
34	Remove Stay Plates and Separate bodies. Rod Corrosion level - Low/Medium/High Difficulty separating - Low/Medium/High	Polish Stay Plates. ☐ Clean polish and lube connecting rods. ☐																								
35	Capture 4 Vibration dampener Springs. ☐	Install 4 Vibration dampener Springs. ☐																								

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36	Remove 6 Air Cut Valves, tubing and jets. ☐	Install new jet O-rings. ☐ Install new Nose O-rings. ☐ Install new screws. ☐ Install new vacuum tubing. ☐ Install ACVs ☐												
37	Function Test Air Cut Valves. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 5%; text-align: center;">2</td> <td style="width: 40%;">Good /Bad</td> <td style="width: 5%; text-align: center;">1</td> <td style="width: 50%;">Good /Bad</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Good /Bad</td> <td style="text-align: center;">3</td> <td>Good /Bad</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Good /Bad</td> <td style="text-align: center;">5</td> <td>Good /Bad</td> </tr> </table>	2	Good /Bad	1	Good /Bad	4	Good /Bad	3	Good /Bad	6	Good /Bad	5	Good /Bad	
2	Good /Bad	1	Good /Bad											
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6	Good /Bad	5	Good /Bad											
37	Remove 6 Enrichment Plungers. ☐	Install 6 Enrichment Plungers. ☐												
38	Remove O-rings & Gaskets Bowl gaskets 6 ____ Fuel rail tees 4 ____ Fuel rail tubes 4 ____ Air Rail Tees 4 ____ Air Rail Tubes 4 ____ Main Needle Holder 6 ____ Bowl Drain Screws 6 ____ ACV jets 12 ____ ACV nose 6 ____													
39	Idle Adjustment Knob	Lubricate the Idle adjustment with Never-Seeze. ☐												

Notes:

