

THE CLASSIC BIKE EXPERIENCE

Restoration Proposal

Customer CB
Machine 1966 Triumph Daytona
VIN T100R H44 325
Prepared by Welby/Jack
Date November 10, 2008

1. General Information

- a. Received Condition:
 - i. Level 5
 - ii. Generally complete, good condition, matching numbers
 - iii. Missing parts noted in write up below
- b. Restoration Objective
 - i. Level 3
 - ii. Sunday rider and occasional commuter
 - iii. Reliability and safety
 - iv. Upgrades to new technology as prudent
 - v. Patina finish; no new paint or coatings unless necessary
- c. Budget
 - i. TBD
- d. Project Plan & Funding

	Cost	Timing
i. Diagnose stuck engine & prepare proposal	\$300	In advance
ii. Phase I: <ol style="list-style-type: none"> 1. Disassembly & list of parts needed 2. Update estimated hours to complete 	\$60/hr x hrs	After teardown
iii. Order Necessary parts	Parts Cost	Prior to ordering
iv. Reassemble to running condition	\$60/hr x hrs	Mid & complete
v. Break in <ol style="list-style-type: none"> 1. Run in for TBD miles 2. Repair/replace necessary parts 3. Retorque and adjust 	Parts & Labor	Delivery
vi. Drop off to customer <ol style="list-style-type: none"> 1. If necessary 	\$0.50/mi & \$10/hr	
vii. Reporting <ol style="list-style-type: none"> 1. Shutterfly website; photos & blog 2. Email, phone as required 		
- e. *Vintage Japanese & European Motorcycle Club* condition values: T100R Tiger Daytona
 - i. Condition 1 9,000
 - ii. Condition 2 7,200
 - iii. Condition 3 5,400
 - iv. Condition 4 4,100
 - v. Condition 5 2,700
 - vi. Condition 6 1,800

2. Engine

- a. Top End
 - i. Valves, guides, rockers, push rods
 1. Condition
 - a. Cleaned and inspected; found to be within tolerance.
 2. Recommendation
 - a. Bead blast head, debur, lap and reassemble.
 - ii. Cylinders, Pistons, Rings
 1. Condition
 - a. Overall acceptable wear pattern; approximately 0.003" clearance. Could do a rebore, but honing acceptable given intended use. Pistons in usable condition.

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2. Recommendation
 - a. Hone cylinder square, install new rings. Clean and repaint cylinder fins.
 - b. Bottom End
 - i. Conrod, small & big ends
 1. Condition
 - a. Did not disassemble. All bearings appear good based on visual and tight fitting feel.
 2. Recommendation
 - a. Use as is
 - ii. Crank, main bearings & sludge trap
 1. Condition
 - a. Did not disassemble. All bearings appear good based on visual and tight fitting feel.
 2. Recommendation
 - a. Use as is
 - iii. Camshaft, tappets, timing gears, oil pump
 1. Condition
 - a. Camshaft and tappets are visible and look good. Timing chest has not been disassembled so this is a wait and see item.
 2. Recommendation
 - a. Use as is
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3. **Transmission**
 - a. Primary drive
 - i. Condition
 - a. Did not disassemble.
 - ii. Recommendation
 - a. This will have to come apart for the front sprocket change, clutch inspection and clutch buffer inspection. The clutch plates may have to be replaced and the rubber buffers are pretty much a sure thing to need replacement. The primary chain adjuster plug is missing.
 - b. Clutch
 - i. Condition
 - a. Did not disassemble.
 - ii. Recommendation
 - a. See above.
 - c. Rotor/Stator
 - i. Condition
 - a. Did not disassemble.
 - ii. Recommendation
 - a. These will be checked when the Primary is disassembled for other work.
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4. **Gearbox**
 - a. Condition
 - i. Did not disassemble. Kick start return spring appears to be broken. Drain plug and standpipe are missing.
 - b. Recommendation
 - i. When the engine is reassembled we can spin the rear wheel and shift through the gears to give things a test. This is difficult to do with the engine apart. Kickstart spring should be checked and drain stuff has to be replaced. Note: If you have these things at home you can send them up and we won't have to buy new ones.
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5. **Sprockets & final drive chain**
 - a. Condition
 - i. Front sprocket and chain are well worn; rear sprocket marginal. Chain is rubbing the chain guard so some issue there. Front chain guard is missing. Rear chain guard front bracket is missing.
 - b. Recommendation

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- i. Replace sprockets and chain as a set. Investigate and adjust the chain guard rubbing issue. Replace the front chain guard and missing bracket.

6. Fuel System

- a. Tank & petcocks
 - i. Condition
 - a. Tank looks good on the inside and petcocks are new. Outside of the tank appears to have had rust in the past and is quite irregular under the paint. Chrome center strip and knee pads are missing. Personally I would not bother with these unless I was going to paint the tank.
 - ii. Recommendation
 - a. Nothing that must be done here.
- b. Carburetor & Aircleaner
 - i. Condition
 - a. Carb is dirty and needs cleaning and gasket kit. Throttle and choke cables are currently hooked up backwards. Since this is not the original carb I did some checking to see if the slide and main jet are really sized correctly for this engine. Neither seem to be correct so there may be some tuning issues when we get it running. This is all fixable however. I don't see an issue with the air cleaner.
 - ii. Recommendation
 - a. Clean the carb and check for slide wear, sort the cables. Definitely some tuning when engine is running again. Newer version of the tickler might also be a good idea.

7. Front end

- a. Forks
 - i. Condition
 - a. Did not disassemble. Fork seals are clearly leaking and need to be replaced. Bushings can be checked at that time. Triple tree clamps also seemed loose so will need to make sure they are tight at the end.
 - ii. Recommendation
 - a. Replace the seals and tighten the triple tree clamps.
- b. Front Wheel, Tire, Brake, & Fender
 - i. Condition
 - a. Did not disassemble the front brake but did notice there is a lot of throw so wouldn't be surprised if the shoes were worn. Many/most of the Spokes are loose. Front brake cable is not stock and seems extra long. Also quite dry. Front tire is pretty old and hard so would be safest to replace it.
 - ii. Recommendation
 - a. Disassemble front brake and check/replace brake shoes. Check wheel bearings and repack/replace as necessary. Either lube or replace the brake cable. Put the front wheel in a truing stand and get the spokes tightened properly. Replace the front tire.

8. Back End

- a. Swing arm & shocks
 - i. Condition
 - a. Shocks and Swing Arm seem functional
 - ii. Recommendation
 - a. Lube the Swing Arm.
- b. Rear Wheel, Tire, Brake & Fender
 - i. Condition
 - a. Rear Brake was not disassembled. Forward fender bracket is missing. Tire is old and hard. Spokes seem good.
 - ii. Recommendation
 - a. Disassemble brake and check it. Replace forward fender bracket. Replace rear tire.

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9. Frame & Cycle parts

- a. Frame
 - i. Condition
 - a. Don't see any issues.
 - ii. Recommendation
 - a. None.
- b. Other running gear (eg footpegs, kickstand, rear brake, etc)
 - i. Condition
 - a. Right footpeg is bent and should be straightened. Center stand is missing. Side stand spring is missing and may not be an original sidestand either.
 - ii. Recommendation
 - a. Straighten the right footpeg. Install a center stand if the customer wants one. Install a sidestand spring.
- c. Sheet metal, oil tank, oil lines, chainguard
 - i. Condition
 - a. Oil tank should be cleaned. All rubber oil lines are gone or need to be replaced. Battery box has several cracks that should be welded. Chain guard reported on above.
 - ii. Recommendation
 - a. Clean the oil tank. Replace the oil lines. Weld the battery box.
- d. Seat
 - i. Condition
 - a. Condition of the seat is good, though it is from a 70s vintage bike. There are no hinges and I have not been able to come up with a set that fit the frame and the seat.
 - ii. Recommendation
 - a. If you want a seat that hinges properly we may have to get one of the right vintage.
- e. Exhaust headers, mufflers, clamps, hangers
 - i. Condition
 - a. Not perfect but useable.
 - ii. Recommendation
 - a. The original is useable.

10. Controls

- a. Speedo, Tach, cables and drives
 - i. Condition
 - a. Speedo, Tach and cables do not exist. The speedo drive is worn out.
 - ii. Recommendation
 - a. It's a question of whether you want these items working or not. We are holding a used speedo and tach for you.
- b. Handlebars, throttle, choke, clutch lever & cables
 - i. Condition
 - a. Clutch lever mount is broken and must be replaced. Can't tell too much about the cable until that is fixed. Brake cable seems too long and needs lube badly. Choke seems OK.
 - ii. Recommendation
 - a. Clutch lever mount must be replaced. Might want to consider the front cable.

11. Electrical

- a. Headlight
 - Wiring grommet missing. Wiring to be finished. Halogen headlight may help as well.
- b. Taillight
 - Seems OK.
- c. Switches
 - Horn and dimmer switch is non existent.

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- d. Wiring harness
Complete the installation.
- e. Rectifier, diode, condensers, etc
Rectifier is missing.
- f. Points & advance
Points may be OK but advance unit seems to be locked up. Will need disassembly, clean, lube and new springs.
- g. Coils, hi tension leads, plugs
Probably Ok. We can tell better with the bike running.
- h. Horn
Has been replaced so assuming it is OK.
- i. Directionals
Finish installing the front directionals and flasher. Wire as required.
- j. Battery
No battery. Has to be installed.
- k. Overall Electrical Assessment
 - i. Condition
Some good some bad. Some parts are missing and some parts are new.
 - ii. Recommendation
Install an electronic voltage regulator and possibly electronic ignition. Install a new battery. Install the front directionals and flasher and wire these. Finish wiring everything else on the bike. Install the rear brake light switch properly and wire. Test everything. Clean and check the advance unit. Set up the ignition. Cutting a new key might be a good idea too.