

# TRIUMPH CLASSIC MOTORCYCLES

## SAFETY INSPECTION CHECKLIST

Technician (print): \_\_\_\_\_ Date: \_\_\_\_\_

Customer Name: \_\_\_\_\_ Bike Description: \_\_\_\_\_ Customer#: \_\_\_\_\_

*\* Note all repair recommendations on "SUGGESTED REPAIRS/CUSTOMER AUTHORIZATION" form*

✓ **CHECK EACH COMPLETED TASK**

### **Pre-Road Test Inspection** (triage)

*\* Take PHOTOS of anything that stands out: Bent? Missing? Chipped? Leaking? Damaged?, etc.*

- Visual Overview:** Initial walk-around
- Make Run:** Do the minimum necessary to make engine run (triage); FUEL & SPARK
- \* Check engine oil level before starting! <<<<<*
- Running:** evaluate; Noise?, Smoke?, Leaks?, etc.
- \* Verify engine oil circulation! <<<<<*
- Safe to Test Ride:** Check Tires, brakes, chain, controls?
- Check tire pressure:** 30 psi

### **Road Test** (evaluate)

*\* Perform Pre-Ride Check; see Tink's Tips #5*

- Clutch;** sticking, slipping, juddering?
- Trans;** shifting smoothly, grinding, jumping out of gear?
- Brakes;** progressive, grabbing, juddering (out of round drum), ineffective?
- Suspension;** diving (compression dampening), pogoing (rebound dampening), sagging (springs)?
- Steering;** notchy (brinelled bearings), sticky (damper), track straight (alignment)?
- Carbs:** Adjustment (idle mixture, sync, cable slack)? Operation (low range, mid range, WOT)?
- Engine:** Smoking? Leaking? Pinging (timing advanced)? Lazy (timing retarded)?
- Gauges:** Speedometer and Tachometer; Working? Accurate? Needle Bouncing?

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## **Initial Inspection**

- Fuel System: [ ] Fuel Leaks [ ] Fuel Level (fill  $\frac{3}{4}$ ) [ ] Fuel Smell (**Old Gas? Drain & Refill**)  
[ ] Cap gasket & sealing surface (**clean down to bare steel**)
- Test Battery Voltage; min. 12v: \_\_\_\_\_ Lights Off, min. 11v: \_\_\_\_\_ After Lights On for 5-minutes  
**\* Note: If voltage test results are below 12v, then charge battery and re-test**
- Check Lights: Headlamp [ ] Low [ ] High [ ] Pilot [ ] Tail light [ ] Brake Light [ ] Turn-Signal
- Check Horn Clarity and Tone
- Check Oil levels; (1) Engine, (2) Transmission, (3) Primary
  - Check kick starter arm for looseness; verify pin and nut are tight [**in conjunction with 2 above**]
  - Check clutch rod adjustment [**in conjunction with 3 above**]
- Check Clutch Lever Play for Smooth Operation – **Lube cable & pivots with cable lub**
- Check Clutch & Brake Lever Position, Perch/Pivot Screws & Nuts for tightness  
**\* Note: Lever Ends are not to Extend Past End of Handle-Bars, Up/Down Lever 1/8" max**
- Check Throttle Grip Position and Operation; **Cable Slack 1/16 - 1/8"**
- Are Grips Secure? **Re-glue if they Rotate**
- Check Spark Plug Threaded Caps for Tightness, > > > **Use Red Loctite on Threads** < < <

## **START ENGINE**

- Check Engine for Easy Starting; **1<sup>st</sup> or 2<sup>nd</sup> Kick**
- Check Engine oil circulation; **verify oil pump flow in oil tank**
- Test Charging System Voltage @1500 RPM; min 12.5v: \_\_\_\_\_ Lights Off \_\_\_\_\_ Lights On

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## **Detailed Inspection** [On the lift ]

**Remove:** [ ] Gas Tank [ ] Side Cover(s) [ ] Headlamp [ ] Points Cover

**\* Place towel on front fender BEFORE removing headlamp to prevent damage.**

## **Visual Overview:**

- Take PHOTOS** of anything that stands out: Bent? Missing? Chipped? Leaking? Damaged?, etc.

## **Wiring harness:**

- PULL TEST** all connectors.
- Electrical Tape!?:** investigate...
- Overall Condition:** [ ] Good [ ] Bad (recommend new harness)

## **Ignition system:**

- Points? [ ] Yes (Recommend electronic upgrade)
- Electronic? (Boyer are troublesome)
- Coils: Damaged? Rubbing on tank, Connectors Clear of Engine Mounts?
- Spark Plug Wires: Visually inspect ends and caps
- Spark plugs correct type?

## **Cables:**

- Check [ ] Housing Condition [ ] Routing [ ] Binding
- Stretch & Stress** Test ALL cables

## **Oil lines:**

- Check Hose Condition [ ] Good [ ] Bad
- Correct clamps [ ] Yes [ ] No

## **Crankcase Breather:**

- Check Hose Condition [ ] Routing [ ] "T" fitting installed correctly

## **Fuel system**

- Tank: Rust inside? (Recommend lining)
- Carbs: [ ] Slide condition (loose, sticking), [ ] Operation (*Refer to **Road Test** section notes*)
- Air Cleaner(s): Check for Dirty, Damaged, or Missing

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## **Battery:**

- Battery performance: *Refer to **Initial Inspection** section*
- Inspect batteries physical condition for damage and mounting
- Wet Lead Acid batteries must have a breather hose that extends 4" in front of rear tire.
- Recommend replacing wet lead acid battery with Maintenance Free sealed AGM battery
- Battery Strap: Replace if missing.
- Seat Stay Wire: Replace if missing.

**! CAUTION !: Make sure battery terminals do not touch the seat pan... shorting out entire harness!**

(As needed; apply friction tape to HOT side terminal as a precaution)

## **Charging system:**

- Original Zener Diode and Rectifier? \* Recommend Solid State Upgrade.
- Solid State? \* If a Boyer recommend upgrading.
- Stator: If charging voltage less than 12.5v during the **Initial Inspection**, check stator windings:
  - (1) Continuity: Should have continuity (buzz)
  - (2) Ground: Should NOT have continuity (no buzz)

## **Handlebars:**

- Bushings tight? Rust? Bent?

## **Suspension**

- Inspect Front Forks: [ ] Oil Leaks [ ] Hardware Correct [ ] Gaiters Torn [ ] Gaiter Clamps Correct  
[ ] Spring Sag [ ] Compression Dampening [ ] Rebound Dampening < *Refer to **Road Test** notes*
- Inspect Rear Shocks: [ ] Oil Leaks [ ] Hardware Correct [ ] Spring Sag [ ] Compression Dampening  
[ ] Rebound Dampening < *Refer to **Road Test** notes*

## **Steering Damper** (if applicable);

- Hardware installed correctly?

## **Alignment:**

- If **Road Test** revealed any suspicious handling characteristics; perform a string check.

## **Frame:**

- Check for damage: [ ] Cracks [ ] Bends [ ] Rust [ ] etc. \_\_\_\_\_

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## **Engine:**

- Check for [ ] leaks [ ] broken or stripped fasteners [ ] broken fins [ ] etc? \_\_\_\_\_

## **Tires:**

- Cracking? Tread depth? DOT date: Front \_\_\_\_\_ Rear \_\_\_\_\_  
(e.g. "4315" = 43<sup>rd</sup> week of 2015 / Three digit DOT = prior to 2000cy)

**\* Recommend replacing any tire that is older than five (5) years**

## **Remove Wheel - Front:**

- Check Rims for: [ ] True [ ] Spoke Tension (tone test) [ ] Nipples (stripped, pulling through rim)  
 Inspect Bearings

**\* Note: If wheel has open bearings Recommend Sealed Bearings**

## **Brakes Front:**

- Inspect Linings [ ] Lub Pivot points [ ] Check for Backing plate damage.

**\* Recommend replacing any riveted brake linings with bonded linings**

- Twin Leading Shoe Brakes: [ ] Adjust rod [ ] **! Check of all cotter pins !** (replace as needed)  
 Hydraulic (if applicable): [ ] Check for leaks, [ ] Check for soft lever (air).

## **Steering Head Bearings:**

- For & Aft play (loose), Side-to-Side notchy (brinelling)

## **Remove Wheel – Rear:**

- Check Rims for: [ ] True [ ] Spoke Tension (tone test) [ ] Nipples (stripped, pulling through rim)  
 Inspect Bearings

**\* Recommend Sealed Bearings if wheel has open bearings**

## **Brakes Rear:**

- Hydraulic (if applicable): [ ] Check for soft lever (air) [ ] Check for leaks.  
 Inspect Lining [ ] Lub Pivot points [ ] Check for Backing plate damage,

**\* Recommend replacing any riveted brake linings with bonded linings**

## **Swing Arm:**

- Check side-to-side play. [ ] Lub grease fitting

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## **Speedo Drive:**

- Washer present? [ ] Lub grease fitting. [ ] Check Ratio if speedo accuracy error during **Road Test**

## **Chain/Sprockets:**

- Check Chain for [ ] Rust [ ] Binding [ ] Stretch

**\* Chain Stretch Limit: Recommend replacing if 15-3./32" or greater. (Reference TCM S/B #1)**

- Check Sprocket teeth for wear  
 Check Master Link spring clip: [ ] Direction correct [ ] Condition good (replace if questionable)

## **Brake Drum / Rear Sprocket:**

- Torque Nuts and Bolts  
 Stripped bolts: [ ] No [ ] Yes

**\* Stripped bolts recommend helicoil repair**

[ Off the lift ]

- Check Torque on Brake Calipers, Drums and Stays, Witness Mark, Cotter Pins (**when applicable**)  
 Check Brake Pedal/Lever position and operation; **Check Brake Fluid (when applicable)**  
 Check Chain Adjustment Sag:  $\frac{3}{4}$  to 1" (**check up & down with suspension loaded, sit on bike**)  
 Fuel Level (fill  $\frac{3}{4}$ ), Fuel Smell (**Old Gas? Drain & Refill**)  
 Check Tire pressure; 30-psi front & rear  
 Center stand: Bolts, Spring, Bent?  
 Side Stand: bolt, spring, bent? Bike Angle?

**\* Wipe down bike; Remove all Grease, Oil, Hand and Finger Prints \***

## **Final Road Test**

- Carb Adjustment OK? **Must Idle at least 800 RPM after 10-seconds of mild warm-up, 1000-1100 warm**  
 Check for Oil and Fuel Leaks – **Check Engine Operating Oil Level When Hot**

**\* Inspection Complete \***

## **Safety Inspection Validation**

- Attach completed **PRE-DELIVERY CHECKLIST**

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