

# T-CLOCK Inspection Worksheet

T-CLOCK is a mnemonic developed by the [Motorcycle Safety Foundation](http://www.motorcycle-safety.org) for assisting you in doing a comprehensive pre-ride (or a pre-purchase) inspection of a motorcycle. It is easily memorized and very useful. The individual letters stand for the specific areas to check:

- **T — Tires & Wheels**
- **C — Controls**
- **L — Lights**
- **O — Oil**
- **C — Chassis**
- **K — Kickstand**

Just print these pages and stick them on the wall near where you store your motorcycle(s), or stuff them in your tank bag or under the seat...

<b>T — TIRES &amp; WHEELS</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Tires	<b>Condition</b>	<i>Tread depth, wear, weathering, evenly seated, bulges, imbedded objects.</i>	Front - Rear
	<b>Air Pressure</b>	<i>Check when cold, adjust to load/speed.</i>	Front - Rear
Wheels	<b>Spokes</b>	<i>Bent, broken, missing, tension, check at top of wheel: "ring" == OK, "thud" == loose spoke.</i>	Front - Rear
	<b>Cast</b>	<i>Cracks, dents.</i>	Front - Rear
	<b>Rims</b>	<i>Out of round/true == 5mm. Spin wheel, index against a stationary pointer.</i>	Front - Rear
	<b>Bearings</b>	<i>Grab top and bottom of tire and flex: No freeplay (click) between hub and axle, no growl when spinning</i>	Front - Rear
	<b>Seals</b>	<i>Cracked, cut or torn, excessive grease on outside, reddish-brown outside.</i>	Front - Rear

<b>C — CONTROLS</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Levers	<b>Condition</b>	<i>Broken, bent, cracked, mounts tight, ball ends on handlebar lever.</i>	Front - Rear
	<b>Pivots</b>	<i>Lubricated.</i>	
Cables	<b>Condition</b>	<i>Fraying, kinks, lubrication; ends and length</i>	
	<b>Routing</b>	<i>No interference or pulling at steering head, suspension; no sharp angles, wire looms in place.</i>	
Hoses	<b>Condition</b>	<i>Cuts, cracks, leaks, bulges, chafing, deterioration.</i>	
	<b>Routing</b>	<i>No interference or pulling at steering head, suspension, no sharp angles, wire looms in place.</i>	
Throttle	<b>Operation</b>	<i>Moves freely, snaps closed, no revving.</i>	

<b>L — LIGHTS</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Battery	<b>Condition</b>	<i>Terminals clean and tight, electrolyte level, held down securely.</i>	
	<b>Vent Tube</b>	<i>Not kinked, routed properly, not plugged.</i>	
Lenses	<b>Condition</b>	<i>Cracked, broken, securely mounted, excessive condensation.</i>	
Reflectors	<b>Condition</b>	<i>Cracked, broken, securely mounted.</i>	
Wiring	<b>Condition</b>	<i>Fraying, chafing, insulation.</i>	
	<b>Routing</b>	<i>Pinched, no interference or pulling at steering head or suspension, wire looms and ties in place, connectors tight, clean.</i>	
Headlamp	<b>Condition</b>	<i>Cracks, reflector, mounting and adjustment system.</i>	
	<b>Aim</b>	<i>Height and right/left.</i>	

<b>O — OIL</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Levels	<b>Engine Oil</b>	<i>Check warm on centerstand, dipstick, sightglass.</i>	
	<b>Hypoid Gear Oil</b>	<i>Transmission, rear drive, shaft.</i>	
	<b>Hydraulic Fluid</b>	<i>Brakes, clutch, reservoir or sight glass.</i>	
	<b>Coolant</b>	<i>Reservoir and/or coolant recovery tank — cool only.</i>	
	<b>Fuel</b>	<i>Tank or gauge.</i>	
Leaks	<b>Engine Oil</b>	<i>Gaskets, housings, seals.</i>	
	<b>Hypoid Gear</b>	<i>Gaskets, seals, breathers.</i>	
	<b>Hydraulic Fluid</b>	<i>Hoses, master cylinders, calipers.</i>	
	<b>Coolant</b>	<i>Radiator, hoses, tanks, fittings, pipes.</i>	
	<b>Fuel</b>	<i>Lines, fuel taps, carbs.</i>	

<b>C — CHASSIS</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Frame	<b>Condition</b>	<i>Cracks at gussets, accessory mounts, look for paint lifting.</i>	
	<b>Steering-Head Bearings</b>	<i>No Detent or tight spots through full travel, raise front wheel, check for play by pushing/pulling forks.</i>	
	<b>Swingarm Bushings/Bearings</b>	<i>Raise rear wheel, check for play by pushing/pulling swingarm.</i>	
Suspension	<b>Forks</b>	<i>Smooth travel, equal air</i>	

		<i>pressure/damping and anti-dive settings.</i>	
	<b>Shock(s)</b>	<i>Smooth travel, equal preload, air-pressure and damping settings, linkage moves freely and is lubricated.</i>	
Chain/belt	<b>Tension</b>	<i>Check at tightest point.</i>	
	<b>Lubrication</b>	<i>Side plates when hot. Note: do not lubricate belts!</i>	
	<b>Sprockets</b>	<i>Teeth not hooked, securely mounted.</i>	
Fasteners	<b>Threaded</b>	<i>Tight, missing bolts, nuts.</i>	
	<b>Clips</b>	<i>Broken, missing.</i>	
	<b>Cotter Pins</b>	<i>Broken, missing.</i>	

<b>K — KICKSTAND</b>			
<b>Item</b>	<b>Check</b>	<b>Look for</b>	<b>Check off</b>
Centerstand	<b>Condition</b>	<i>Cracks, bent.</i>	
	<b>Retention</b>	<i>Springs in place, tension to hold position.</i>	
Sidestand	<b>Condition</b>	<i>Cracks, bent (safety cut-out switch/pad if equipped).</i>	
	<b>Retention</b>	<i>Springs in place, tension to hold position.</i>	