

# MSF T-CLOCS<sup>SM</sup> Pre-Ride Inspection Checklist

T-CLOCS ITEM	WHAT TO CHECK	WHAT TO LOOK FOR	CHECK-OFF	
<b>T-TIRES &amp; WHEELS</b>				
<b>Tires</b>	Condition	Tread depth, wear, weathering, cracking, evenly seated, bulges, embedded objects.	Front	Rear
	Air Pressure	Check when cold, adjust to recommended pressure, considering total load.	Front	Rear
<b>Wheels</b>	Spokes	Bent, broken, missing, tension, check at top of wheel: "ring" = OK — "thud" = loose spoke	Front	Rear
	Cast	Cracks, dents.	Front	Rear
	Rims	Out of round/true = 5mm. Spin wheel, index against stationary pointer.	Front	Rear
	Bearings	Grab top and bottom of tire and flex: No freeplay (click) between hub and axle, no growl when spinning.	Front	Rear
	Seals	Cracked, cut or torn, excessive grease on outside, reddish-brown around outside.	Front	Rear
	Valve Caps	Damaged, missing.	Front	Rear
<b>Brakes</b>	Function	Each brake alone keeps bike from rolling.	Front	Rear
<b>C-CONTROLS</b>				
<b>Levers and Pedal</b>	Condition	Broken, bent, cracked, mounts tight, ball ends on handlebar levers, proper adjustment.		
	Pivots	Lubricated.		
<b>Cables</b>	Condition	Fraying, kinks, lubrication: ends and interior.		
	Routing	No interference or pulling at steering head, suspension, no sharp angles, wire supports in place.		
<b>Hoses</b>	Condition	Cuts, cracks, leaks, bulges, chafing, deterioration.		
	Routing	No interference or pulling at steering head, suspension, no sharp angles, hose supports in place.		
<b>Throttle</b>	Operation	Moves freely, snaps closed, no revving when handlebars are turned.		
<b>L-LIGHTS</b>				
<b>Battery</b>	Condition	Terminals clean and tight, electrolyte level, held down securely.		
	Vent Tube	Not kinked, routed properly, not plugged.		
<b>Headlamp</b>	Condition	Cracks, reflector, mounting and adjustment system.		
	Aim	Height and right/left.		
	Operation	Hi beam/low beam operation.		
<b>Tail lamp/ brake lamp</b>	Condition	Cracks, clean and tight.		
	Operation	Activates upon front brake/rear brake application.		
<b>Turn signals</b>	Operation	Flashes correctly.	Front left	Front right
			Rear left	Rear right
<b>Mirrors</b>	Condition	Cracks, clean, tight mounts and swivel joints.		
	Aim	Adjust when seated on bike.		
<b>Lenses &amp; Reflectors</b>	Condition	Cracked, broken, securely mounted, excessive condensation.		
<b>Wiring</b>	Condition	Fraying, chafing, insulation.		
	Routing	Pinched, no interference or pulling at steering head or suspension, wire looms and ties in place, connectors tight, clean.		

continued on next page



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<b>O-OIL</b>				
<b>Levels</b>	Engine Oil	Check level per owner's manual.		
	Hypoid Gear Oil, Shaft Drive	Transmission, rear drive, shaft.		
	Hydraulic Fluid	Brakes, clutch, reservoir or sight glass.		
	Coolant	Reservoir and/or coolant recovery tank — check only when cool.		
	Fuel	Tank or gauge.		
<b>Leaks</b>	Engine Oil	Gaskets, housings, seals.		
	Hypoid Gear Oil, Shaft Drive	Gaskets, seals, breathers.		
	Hydraulic Fluid	Hoses, master cylinders, calipers.		
	Coolant	Radiator, hoses, tanks, fittings, pipes.		
	Fuel	Lines, fuel valve, carbs.		
<b>C-CHASSIS</b>				
<b>Frame</b>	Condition	Cracks at gussets, accessory mounts, look for paint lifting.		
	Steering-Head Bearings	No detent or tight spots through full travel, raise front wheel, check for play by pulling/pushing forks.		
	Swingarm Bushings/Bearings	Raise rear wheel, check for play by pushing/pulling swingarm.		
<b>Suspension</b>	Front Forks	Smooth travel, equal air pressure/damping, anti-dive settings.	Left	Right
	Rear Shock(s)	Smooth travel, equal pre-load/air pressure/damping settings, linkage moves freely and is lubricated.	Left	Right
<b>Chain or Belt</b>	Tension	Check at tightest point.		
	Lubrication	Side plates when hot. Note: do not lubricate belts.		
	Sprockets	Teeth not hooked, securely mounted.		
<b>Fasteners</b>	Threaded	Tight, missing bolts, nuts.		
	Clips	Broken, missing.		
	Cotter Pins	Broken, missing.		
<b>S-STANDS</b>				
<b>Center stand</b>	Condition	Cracks, bent.		
	Retention	Springs in place, tension to hold position.		
<b>Side stand</b>	Condition	Cracks, bent (safety cut-out switch or pad equipped).		
	Retention	Springs in place, tension to hold position.		

T-CLOCS checklist used by permission of the Motorcycle Safety Foundation.





# Load Limit Calculator

## AVAILABLE LOAD CAPACITY

1. Enter GVWR (Gross Vehicle Weight Rating).

Check owner's manual or Vehicle Identification Number (VIN) plate. 1. \_\_\_\_\_ lbs.

2. Enter dry weight of motorcycle.

Check owner's manual. minus 2. \_\_\_\_\_ lbs.

3. Average weight of fluids (gas and oil).

minus 3. 40 lbs.

**4. Available load capacity of your motorcycle.**

(Line 1 - Line 2 - Line 3)

4. \_\_\_\_\_ lbs.

## LOADING OF YOUR MOTORCYCLE

5. Enter total weight of rider and passenger.

Include helmets, boots and clothing. 5. \_\_\_\_\_ lbs.

6. Enter weight of accessories.

Accessories you have added, including chrome, windshield, saddlebags, etc. plus 6. \_\_\_\_\_ lbs.

7. Enter weight of any cargo/luggage you are carrying.

plus 7. \_\_\_\_\_ lbs.

**8. This is the load you are adding to your motorcycle.**

(Line 5 + Line 6 + Line 7)

8. \_\_\_\_\_ lbs.

If line 8 is greater than line 4, **YOUR MOTORCYCLE IS OVERLOADED.**  
Overloading your motorcycle could lead to tire failure, accident, injury or death.



# Tire Tips

- **Maintain proper air pressure**
- **Regularly inspect your tires**
- **Buy the right tires for your bike**
- **Have your tires professionally installed**
- **Avoid sharp objects and slick surfaces**



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