

# **T-CLOCK** is an acronym for:

**T**ires & **W**heels, **C**ontrols, **L**ights, **O**il, **C**hassis, **K**ickstand.

It is the most complete pre-ride check you can do and it was devised by the MSF. It should also suffice as an annual pre-inspection check in Virginia and DC.

## ***TIRES & Wheels***

### Tires

- ✓ **Condition:** tread depth, wear, weathering, evenly seated no bulges or embedded objects
- ✓ **Air pressure** - check when cold and adjust to load/speed rating

### Wheels

- ✓ **Spokes:** bent, broken, missing, tension, loose
- ✓ **Cast:** even, not bent or warped, no cracks
- ✓ **Rims:** round/true, if out by more than 5mm replace
- ✓ **check** - spin wheel against a stationary pointer
- ✓ **Bearings:** grab top and bottom of tire and flex: no free play (clicks) between hub and axle and no growl when spun
- ✓ **Seals:** not cracked, cut, torn, no excessive grease on outside, not reddish brown on outside

## ***CONTROLS***

### Levers

- ✓ **Condition:** not broken, bent, cracked, mounts tight
- ✓ **Pivots:** lubricated

## Cables

- ✓ Condition: no fraying, kinks
- ✓ Lubrication - ends and length
- ✓ Routing: no interference or pulling at steering head or at suspension; no sharp angles; wire looms in place

## Hoses

- ✓ Condition: no cuts, cracks, leaks, bulges, chafing, deterioration
- ✓ Routing: no interference or pulling at steering head or at suspension; no sharp angles; wire looms in place

## Throttle

- ✓ Operation: moves freely, snaps closed, no revving

# ***LIGHTS***

## Battery

- ✓ Condition: terminals clean and bright, fluid level, strapped in place
- ✓ Vent tube: not kinked, routed properly, not plugged up

## Lenses

- ✓ Condition: not cracked, broken, no condensation inside, securely mounted

## Reflectors

- ✓ Condition: not cracked, broken, securely mounted

## Wiring

- ✓ Condition: no fraying, chafing, intact insulation
- ✓ Routing: not pinched, no interference or pulling at steering head or at suspension; no sharp angles; wire looms in place
- ✓ Connections: tight and clean

## Head Lamp

- ✓ Condition: no cracks in glass; reflector clean and silvered; solid mounting; adjuster works
- ✓ Aim - height, right/left

# ***OIL***

## **Levels**

- ✓ **Engine: check warm on centerstand**
- ✓ **Hypoid Gear: transmission, drive shaft**
- ✓ **Hydraulic Fluid: brakes and reservoir, clutch**
- ✓ **Coolant: check cold in reservoir and/or recovery tank**
- ✓ **Fuel: look in tank or rely on gauge**

## **Leaks**

- ✓ **Engine: gaskets, housings, seals**
- ✓ **Hypoid Gear: gaskets, seals, breathers**
- ✓ **Hydraulic Fluid: hoses, master cylinder, calipers**
- ✓ **Coolant: radiator, hoses, tank**
- ✓ **Fuel: lines, caps, carbs**

# ***CHASSIS***

## **Frame**

- ✓ **Condition: no cracks at gussets; accessory mounts secure; no paint lifting, peeling**

## **Steering Head Bearings**

- ✓ **Condition: no detent or tight spots on full travel**
- ✓ **Check - forks for play by raising front wheel and push/pull**

## **Swingarm Bushings/Bearings**

- ✓ **Condition: no play**
- ✓ **Check by raising wheel and push/pull**

## **Suspension**

- ✓ **Forks: smooth travel, equal air pressure if anti-dive**
- ✓ **Shocks: smooth travel, equal air pressure pre-load or equal damping settings; linkage moves freely with adequate lubrication**

### Chain/Belt

- ✓ Tension: check at tightest point, set to specs
- ✓ Lubrication: (chain only) check side plates when hot
- ✓ Sprockets: securely mounted; teeth are not hooked

### Fasteners

- ✓ Threaded: tight; no missing bolts or nuts
- ✓ Clips: none broken or missing
- ✓ Cotter Pins: all in place; none broken

## ***KICKSTAND***

### Centerstand

- ✓ Condition: no cracks; not bent
- ✓ Retention: springs in place; stays up firmly

### Sidestand

- ✓ Condition: no cracks; not bent
- ✓ Safety cut-off switch operates
- ✓ Retention: springs in place; stays up firmly