IDENTIFICATION NUMBERS RECORD

1. KEY IDENTIFICATION NUMBER:

2. VEHICLE IDENTIFICATION NUMBER:

3. ENGINE SERIAL NUMBER:

Your key identification number is stamped on your key as shown in the following illustration. Record this number in the space provided for reference if you need a new key.

Record your vehicle identification number and engine serial number in the spaces provided to assist you in ordering spare parts from your Yamaha dealer or for reference in case your vehicle is stolen. (See page 2-1)
INTRODUCTION

Congratulations on your purchase of the Yamaha DT175A. This model is the result of Yamaha’s vast experience in the production of sporting, touring, and pacesetting racing machines. It represents the high degree of craftsmanship and reliability that have made Yamaha a leader in these fields.

This manual will give you an understanding of the operation, inspection, and basic maintenance of this motorcycle. If you have any questions about the operation or maintenance of your motorcycle, please consult a Yamaha dealer.

NOTE: ______________________________

Some data in this manual may become outdated due to future improvement on this model. If you have any questions about this manual or your motorcycle, please consult a Yamaha dealer.

TECHNICAL PUBLICATIONS
SERVICE DIVISION
MOTORCYCLE GROUP
YAMAHA MOTOR CO., LTD.
WARNING

PLEASE READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING THIS MOTORCYCLE.

Particularly important information is distinguished in this manual by the following notations:

⚠️ The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

⚠️ WARNING

Failure to follow WARNING instructions could result in severe injury or death to the motorcycle operator, a bystander, or a person inspecting or repairing the motorcycle.

CAUTION:

A CAUTION indicates special precautions that must be taken to avoid damage to the motorcycle.

NOTE:

A NOTE provides key information to make procedures easier or clearer.

NOTE: This manual should be considered a permanent part of this motorcycle and should remain with it even if the motorcycle is subsequently sold.
SAFETY INFORMATION

TWO-WHEELED MOTORCYCLES ARE SINGLE TRACK VEHICLES. THEIR SAFE USE AND OPERATION ARE DEPENDENT UPON THE USE OF PROPER RIDING TECHNIQUES AS WELL AS THE EXPERTISE OF THE OPERATOR.

EVERY OPERATOR SHOULD KNOW THE FOLLOWING REQUIREMENTS BEFORE RIDING.
HE OR SHE SHOULD:
1. OBTAIN THOROUGH INSTRUCTIONS FROM A COMPETENT SOURCE ON ALL ASPECTS OF MOTORCYCLE OPERATION.
2. OBSERVE THE WARNINGS AND MAINTENANCE REQUIREMENTS IN THE OWNER’S MANUAL.
3. OBTAIN QUALIFIED TRAINING IN SAFE AND PROPER RIDING TECHNIQUES.
4. OBTAIN PROFESSIONAL TECHNICAL SERVICE AS INDICATED BY THE OWNER’S MANUAL AND/OR WHEN MADE NECESSARY BY MECHANICAL CONDITIONS.

SAFE RIDING
1. Always make pre-operation checks. Careful checks may help prevent an accident.
2. This motorcycle is designed to carry the operator and a passenger.
3. The failure of motorists to detect and recognize motorcycles in traffic is the predominating cause of automobile/motorcycle accidents. Many accidents have been caused by an automobile driver who did not see the motorcycle. Making yourself conspicuous appears to be very effective in reducing the chance of this type of accident.
   Therefore:
   a. Wear a brightly colored jacket.
   b. Use extra caution when you approach and pass through intersections, since intersections are the most likely places for motorcycle accidents.
   c. Ride where other motorists can see you. Avoid riding in another motorist’s "blind spot."

4. Many accidents involve inexperienced operators. In fact, many operators who have been involved in accidents do not even have a current motorcycle license.
   a. Make sure you are qualified. Also, only lend your motorcycle to experienced operators.
   b. Know your skills and limits. Staying within your limits may help you to avoid an accident.
   c. We recommend that you practice riding your motorcycle where there is no traffic until you have become thoroughly familiar with your motorcycle and all of its controls.
5. Many motorcycle accidents have been caused by motorcycle operator errors. A typical error made by the operator is veering wide on a turn due to EXCESSIVE SPEED or undercornering (insufficient lean angle for the speed).
   a. Always obey the speed limits and never travel faster than warranted by road and traffic conditions.
   b. Always signal before turning or changing lanes. Make sure other motorists see you.
6. The operator's and passenger's posture are important for proper control.
   a. The operator should keep both hands on the handlebars and both feet on the operator footrests during operation to maintain control of the motorcycle.
   b. The passenger should always hold on to the operator, or the seat strap or grab bar if the motorcycle is so equipped with both hands and keep both feet on the passenger footrests.
   c. Never carry a passenger unless he or she can firmly place both feet on the passenger footrests.
7. Never ride under the influence of alcohol or drugs.

**PROTECTIVE APPAREL**
The majority of fatalities from motorcycle accidents are the result of head injuries. The use of a safety helmet is the single most critical factor in the prevention or reduction of head injuries.
1. Always wear an approved helmet.
2. Wear a face shield or goggles. Wind on your unprotected eyes could contribute to an impairment of vision which could delay seeing a hazard.

3. The use of heavy boots, jacket, trousers, gloves, etc. is effective in preventing or reducing abrasions or lacerations.

4. Never wear loose fitting clothing. It could catch on the control levers, footrests, or wheels and cause injury or accident.

5. Never touch the engine or exhaust system during or after operation. They become very hot and can cause burns. Always wear protective clothing that covers your legs, ankles, and feet.

6. A passenger should also observe the above precautions.

**MODIFICATION**

Modifications made to the motorcycle not approved by Yamaha, or the removal of original equipment, may render your motorcycle unsafe for use and may cause severe personal injury. Modifications may also make your motorcycle illegal to use.

**LOADING AND ACCESSORIES**

Adding accessories or cargo to your motorcycle can adversely affect stability and handling if the weight distribution of the machine is changed. To avoid the possibility of an accident, extreme caution should be used if adding cargo or accessories to your motorcycle. Use extra care if riding a motorcycle which has added cargo or accessories. Here are some general guidelines to follow if loading cargo or adding accessories to your motorcycle:
LOADING
The total weight of the operator, passenger, accessories and cargo must not exceed the maximum load limit of 470 lb (213 kg). When loading within these weight limits, keep the following in mind:

1. Cargo and accessory weight should be kept as low and close to the motorcycle as possible. Be sure to distribute the weight as evenly as possible on both sides of the machine to minimize imbalance or instability.

2. Shifting weights can create a sudden imbalance. Make sure that accessories and cargo are securely attached to the motorcycle before riding. Recheck accessory mounts and cargo restraints frequently.

3. Never attach any large or heavy items to the handlebars, front forks, or front fender. These items, including such cargo as sleeping bags, duffle bags, or tents, can create unstable handling or slow steering response.

ACCESSORIES
Genuine Yamaha accessories have been specifically designed for use on this motorcycle. Since Yamaha cannot test all other accessories which may be available, you must personally be responsible for the proper selection, installation and use of non-Yamaha accessories. You should use extreme caution when selecting and installing any accessories. Keep in mind these guidelines for mounting accessories in addition to those provided under “LOADING”.

1. Never install accessories or carry cargo that would impair the performance of your motorcycle. Carefully inspect the accessory before using it to make sure it does not in any way reduce ground clearance or cornering clearance, limit suspension travel, steering travel or control operation, or obscure lights or reflectors.
   a. Accessories fitted to the handlebar or the front fork area can create instability due to improper weight distribution or aerodynamic changes. If accessories are added to the handlebar or front fork area, they must be as lightweight as possible and should be kept to a minimum.
   b. Bulky or large accessories may seriously affect the stability of the motorcycle due to aerodynamic effects. Wind may attempt to lift the motorcycle, or the motorcycle may become unstable in cross winds. These accessories may also cause instability when being passed by or passing large vehicles.
   c. Certain accessories can displace the operator from his or her normal riding position. This improper position limits the freedom of movement of the operator and may limit control ability. Therefore such accessories are not recommended.

2. Caution must be used if adding electrical accessories. If these accessories exceed the capacity of motorcycle's electrical system, an electrical failure could result, which could cause a dangerous loss of lights or engine power.

**GASOLINE AND EXHAUST GAS**

1. GASOLINE IS HIGHLY FLAMMABLE:
   a. Always turn off the engine when refueling.
b. Take care not to spill any gasoline on the engine or exhaust pipe(s)/muffler(s) when refueling.

c. Never refuel while smoking or in the vicinity of an open flame.

2. Never start the engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and may cause loss of consciousness and death within a short time. Always operate your motorcycle in an area that has adequate ventilation.

3. Always turn off the engine before leaving the motorcycle unattended and remove the ignition key. When parking the motorcycle, note the following:

a. The engine and exhaust pipe(s)/muffler(s) may be hot. Park the motorcycle in a place where pedestrians or children are not likely to touch these hot areas.

b. Do not park the motorcycle on a slope or soft ground; the motorcycle may fall over.

c. Do not park the motorcycle near a flammable source, e.g. a kerosene heater, or near an open flame. The motorcycle could catch fire.

4. When transporting the motorcycle in another vehicle, be sure it is kept upright and that the fuel cock(s) is turned to "ON" or "RES" (for vacuum type)/"OFF" (for manual type). If it should lean over, gasoline may leak out of the carburetor or fuel tank.

5. If you should swallow any gasoline, inhale a lot of gasoline vapor, or allow gasoline to get in your eye(s), see your doctor immediately. If any gasoline spills on your skin or clothing, immediately wash it off with soap and water and change your clothes.
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shifting</td>
<td>5-4</td>
</tr>
<tr>
<td>Engine break-in</td>
<td>5-4</td>
</tr>
<tr>
<td>Parking</td>
<td>5-6</td>
</tr>
<tr>
<td>PERIODIC MAINTENANCE AND MINOR REPAIR</td>
<td>6-1</td>
</tr>
<tr>
<td>Tool kit</td>
<td>6-1</td>
</tr>
<tr>
<td>Periodic maintenance/Lubrication</td>
<td>6-3</td>
</tr>
<tr>
<td>Torque specifications</td>
<td>6-5</td>
</tr>
<tr>
<td>Transmission oil level check</td>
<td>6-6</td>
</tr>
<tr>
<td>Transmission oil replacement</td>
<td>6-7</td>
</tr>
<tr>
<td>Fuel cock cleaning</td>
<td>6-8</td>
</tr>
<tr>
<td>Air filter</td>
<td>6-8</td>
</tr>
<tr>
<td>Carburetor adjustment</td>
<td>6-11</td>
</tr>
<tr>
<td>Idle speed adjustment</td>
<td>6-11</td>
</tr>
<tr>
<td>Throttle cable adjustment</td>
<td>6-12</td>
</tr>
<tr>
<td>Spark plug inspection</td>
<td>6-13</td>
</tr>
<tr>
<td>Front brake adjustment</td>
<td>6-14</td>
</tr>
<tr>
<td>Rear brake adjustment</td>
<td>6-15</td>
</tr>
<tr>
<td>Brake light switch adjustment</td>
<td>6-17</td>
</tr>
<tr>
<td>Checking the brake shoes</td>
<td>6-17</td>
</tr>
<tr>
<td>Clutch adjustment</td>
<td>6-18</td>
</tr>
<tr>
<td>Free play adjustment</td>
<td>6-18</td>
</tr>
<tr>
<td>Drive chain slack check</td>
<td>6-19</td>
</tr>
<tr>
<td>Drive chain slack adjustment</td>
<td>6-20</td>
</tr>
<tr>
<td>Drive chain lubrication</td>
<td>6-22</td>
</tr>
<tr>
<td>Cable inspection and lubrication</td>
<td>6-23</td>
</tr>
<tr>
<td>Throttle cable and grip lubrication</td>
<td>6-23</td>
</tr>
<tr>
<td>Autolube pump adjustment</td>
<td>6-23</td>
</tr>
<tr>
<td>Brake and change pedals</td>
<td>6-24</td>
</tr>
<tr>
<td>Brake and clutch levers</td>
<td>6-24</td>
</tr>
<tr>
<td>Sidestand</td>
<td>6-24</td>
</tr>
<tr>
<td>Rear suspension</td>
<td>6-24</td>
</tr>
<tr>
<td>Front fork inspection</td>
<td>6-25</td>
</tr>
<tr>
<td>Rear shock</td>
<td>6-26</td>
</tr>
<tr>
<td>Adjustment</td>
<td>6-26</td>
</tr>
<tr>
<td>Steering inspection</td>
<td>6-27</td>
</tr>
<tr>
<td>Wheel bearings</td>
<td>6-28</td>
</tr>
<tr>
<td>Battery</td>
<td>6-28</td>
</tr>
<tr>
<td>Replenishing the battery fluid</td>
<td>6-30</td>
</tr>
<tr>
<td>Circuit breaker</td>
<td>6-31</td>
</tr>
<tr>
<td>Replacing the headlight bulb</td>
<td>6-32</td>
</tr>
<tr>
<td>Headlight beam adjustment</td>
<td>6-33</td>
</tr>
<tr>
<td>Front wheel removal</td>
<td>6-34</td>
</tr>
<tr>
<td>Front wheel installation</td>
<td>6-35</td>
</tr>
</tbody>
</table>
Rear wheel removal .......................... 6-36
Rear wheel installation ...................... 6-37
Troubleshooting ............................. 6-38
Troubleshooting chart ...................... 6-39
CLEANING AND STORAGE ................. 7-1
   A. Cleaning ............................. 7-1
   B. Storage .............................. 7-2
SPECIFICATIONS ........................... 8-1
NOISE REGULATION (For Australia) ..... 9-1
WIRING DIAGRAM .......................... 10-1
DESCRIPTION

1 Tail/Brake light 12 Silencer
2 Rear flasher light 13 Change pedal
3 Monocross suspension 14 Clutch lever
4 Kick starter 15 Handlebar switch
5 Front fender 16 Speedometer
6 Brake pedal 17 Main switch
7 Footrest 18 Tachometer
8 Front fork 19 Brake lever
9 Headlight 20 Throttle grip
10 Fuel tank 21 Front flasher light
11 Seat

NOTE: The motorcycle you have purchased may differ slightly from those shown in the photographs.
MOTORCYCLE IDENTIFICATION

Vehicle identification number
The vehicle identification number is stamped into the steering head pipe.

1 Vehicle identification number

NOTE:
The vehicle identification number is used to identify your motorcycle and may be used to register your motorcycle with the licensing authority in your state.

Engine serial number
The engine serial number is stamped into the right side of the engine.

1 Engine serial number

NOTE:
The first three digits of these numbers are for model identification; the remaining digits are the unit production number. Keep a record of these numbers for reference when ordering parts from a Yamaha dealer.
CONTROL FUNCTIONS

Main switch
The main switch controls the ignition and lighting systems; its operation is described below.

OFF:
All electrical circuits are switched off. The key can be removed in this position.

LOCK:
The steering is locked in this position, and all electrical circuits are switched off. The key can be removed in this position. Refer to "Steering lock" (Page 3-8) for proper operation.

NOTE:
Always turn the main switch to "OFF" or "LOCK" and remove the key when the motorcycle is unattended.
**Indicator lights**

1. "TURN" indicator light
2. "HIGH BEAM" indicator light
3. "NEUTRAL" indicator light
4. "OIL" warning indicator light

**B-101**

"TURN" indicator light (orange):
This indicator flashes when the turn switch is "ON".

**B-102**

"NEUTRAL" indicator light (green):
This indicator comes on when the transmission is in neutral.

**B-103**

"HIGH BEAM" indicator light (blue):
This indicator comes on when the headlight high beam is used.

**B-107**

"OIL" warning indicator light (red):
This indicator comes on when the oil level is low. This light circuit can be checked by the following procedure.

**U-300**

**CAUTION:**

Do not run the motorcycle until you know the motorcycle has enough engine oil.
Oil warning light checking method

Main switch "ON"

Gears in "NEUTRAL"

- Oil warning indicator light does not come on
  - Ask a Yamaha dealer to inspect electrical circuit

- Oil warning indicator light comes on
  - Shift into gear
    - Oil warning indicator light does not come on
      - Engine oil level and electrical circuit are OK. Go ahead with riding
    - Oil warning indicator light comes on
      - Supply engine oil
Speedometer
The odometer and trip odometer are built into the speedometer. The trip odometer can be reset to "0" with the reset switch. Use the odometer to estimate how far you can ride on a tank of fuel before going to "RESERVE". This information will enable you to plan fuel stops in the future.

Tachometer
This model is equipped with a tachometer so the rider can monitor the engine speed and keep it within the ideal power range.

CAUTION:
Do not operate in the red zone. Red zone: 8,500 r/min and above
"LIGHTS" (Dimmer) switch
Turn the switch to "HI" for the high beam and to "LO" for the low beam.

"ENGINE STOP" switch
The engine stop switch is a safety device for use in an emergency such as when the motorcycle overturns or when trouble occurs in the throttle system. The engine will not run when the engine stop switch is turned to "OFF." In case of emergency, turn the switch to "OFF."

"TURN" signal switch
This is a three-way switch: the center position is off; turn to the "L" to turn on the left flasher and to the "R" for the right flasher. Be sure to turn the switch off after completing a turn.

"HORN" switch
Press the switch to sound the horn.

"LIGHTS" switch
Turn the light switch to "ON" to turn on the headlight, taillight, and meter lights.

Clutch lever
The clutch lever is located on the left handlebar; it disengages or engages the clutch. Pull the clutch lever to the handlebar to disengage the clutch, and release the lever to engage the clutch. The lever should be pulled rapidly and released slowly for smooth starts.
**Change pedal**

The gear ratios of the constant-mesh 6-speed transmission are ideally spaced. The gears can be shifted by using the change pedal on the left side of the engine.

**Front brake lever**

The front brake lever is located on the right handlebar. Pull it toward the handlebar to activate the front brake.

**Rear brake pedal**

The rear brake pedal is on the right side of the motorcycle. Press down on the brake pedal to activate the rear brake.

**Fuel cock**

The negative pressure fuel cock supplies fuel from the tank to the carburetors and also filters the fuel. The fuel cock has the following three positions:
ON: With the lever in this position, fuel flows if the engine is running but stops if the engine is not running.

RES: This indicates reserve. If you run out of fuel while riding, move the lever to "PRI", start the engine, then switch to "RES".

FILL THE TANK AT THE FIRST OPPORTUNITY. BE SURE TO SET THE LEVER TO "ON" AFTER REFUELING.

PRI: This indicates prime. With the lever in this position, fuel flows whether the engine is running or not. If the fuel tank is completely empty, refill the tank, prime the carburetor in this position, and then switch to "ON" after starting the engine.

U 014

NOTE: ________________________________

The fuel cock operates on vacuum from the engine when set at "ON" or "RES." If the line connecting the cock to the carburetor intake manifold is not connected or has a leak, the cock will not function properly.

C-202

Starter knob (CHOKE)

When cold, the engine requires a richer air-fuel mixture for starting. A separate starter circuit supplies this mixture. Pull the starter knob out to open the circuit for starting. When the engine has warmed up, push the knob in to close the circuit.
C-602

Kick starter
Rotate the kick starter away from the engine. Push the starter down lightly with your foot until the gears engage, then kick smoothly and forcefully to start the engine. This model has a primary kick starter so the engine can be started in any gear if the clutch is disengaged. In normal practices, however, shift to neutral before starting.

C-300

Steering lock
The steering is locked when the main switch is turned to "LOCK." To lock the steering, turn the handlebars all the way to the left or right. With the key at "OFF," push it into the main switch, turn the key counterclockwise to "LOCK," and remove the key. To release the lock, turn the key clockwise.

**WARNING**

Never turn the key to "LOCK" when the motorcycle is moving.

**Helmet holder**

To open the helmet holder, insert the key in the lock and turn it as shown. To lock the helmet holder, reverse the above procedure.

**WARNING**

Never ride with a helmet in the helmet holder. It could interfere with rear wheel movement, causing loss of control and possibly an accident.
Right side cover
Rotate the key hole cover and insert the key into key hole. Release the lock, by turning about 1/4 turn clockwise. To lock, reverse the above steps.

Rear shock absorber
The spring preload of the rear shock absorber can be adjusted to suit motorcycle’s load (ex: optional accessories etc.) and riding conditions. Refer to page 6-26 for proper adjustment procedures.
Note on handling of the Yamaha Energy Induction System (Y.E.I.S.)
Handle the air chamber and hose with special care. Improper installation or damaged parts will result in poor performance. Replace any cracked or damaged parts immediately. No modification of this system in any form is not allowed.

**CAUTION:**

Never attempt to modify the Yamaha Energy Induction System.

**Sidestand**
This model is equipped with an ignition circuit cut-off system. The motorcycle must not be ridden when the sidestand is down. The sidestand is located on the left side of the frame. (Refer to page 5-2 for an explanation of this system.)

**WARNING**

This motorcycle must not be operated with the sidestand in the down position. If the stand is not properly retracted, it could contact the ground and distract the operator resulting in a possible loss of control. Yamaha has designed into this motoi-
cycle a lockout system to assist the operator in fulfilling his responsibility of retracting the sidestand. Please check carefully the operating instructions listed below and if there is any indication of a malfunction, you must return the motorcycle to a Yamaha dealer immediately for repair.

---

**D-305**

**Sidestand switch operation check**

Check the operation of the sidestand switch against the information below.

---

1. **TURN MAIN SWITCH TO “ON” AND ENGINE STOP SWITCH TO “RUN”**
2. **TRANSMISSION IS IN NEUTRAL AND SIDESTAND IS DOWN.**
3. **KICK THE KICK STARTER**
4. **ENGINE WILL START**
5. **PULL IN CLUTCH LEVER AND PUT TRANSMISSION IN GEAR.**
6. **ENGINE WILL STALL.**
7. **SIDESTAND SWITCH IS OK**

---

**WARNING**

If improper operation is noted, consult a Yamaha dealer immediately.
### PRE-OPERATION CHECKS

Before using this motorcycle, check the following points:

<table>
<thead>
<tr>
<th>Item</th>
<th>Routine</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front and rear brakes</td>
<td>Check operation, condition and free play</td>
<td>4-3, 6-14 ~ 6-18</td>
</tr>
<tr>
<td></td>
<td>Adjust if necessary.</td>
<td></td>
</tr>
<tr>
<td>Clutch</td>
<td>Check operation, condition and free play</td>
<td>4-3, 6-18 ~ 6-19</td>
</tr>
<tr>
<td></td>
<td>Adjust if necessary.</td>
<td></td>
</tr>
<tr>
<td>Throttle grip/Housing</td>
<td>Check for smooth operation. Lubricate/Adjust</td>
<td>4-3, 6-12, 6-23</td>
</tr>
<tr>
<td></td>
<td>if necessary.</td>
<td></td>
</tr>
<tr>
<td>Autolube tank</td>
<td>Check oil level/top-up as required</td>
<td>4-3 ~ 4-4, 6-23</td>
</tr>
<tr>
<td>Transmission oil</td>
<td>Check oil level/top-up as required</td>
<td>4-4, 6-6 ~ 6-7</td>
</tr>
<tr>
<td>Drive chain</td>
<td>Check chain slack and condition Adj ust if</td>
<td>4-4, 6-19 ~ 6-22</td>
</tr>
<tr>
<td></td>
<td>necessary.</td>
<td></td>
</tr>
<tr>
<td>Wheels/Tires</td>
<td>Check tire pressure, wear, damage and spoke</td>
<td>4-5 ~ 4-8, 6-34 ~</td>
</tr>
<tr>
<td></td>
<td>tightness.</td>
<td>6-38</td>
</tr>
<tr>
<td>Control/Meter cables</td>
<td>Check for smooth operation. Lubricate if</td>
<td>6-23</td>
</tr>
<tr>
<td></td>
<td>necessary.</td>
<td></td>
</tr>
<tr>
<td>Brake and change pedal shafts</td>
<td>Check for smooth operation. Lubricate if</td>
<td>6-24</td>
</tr>
<tr>
<td></td>
<td>necessary.</td>
<td></td>
</tr>
<tr>
<td>Brake and clutch lever pivots</td>
<td>Check for smooth operation. Lubricate if</td>
<td>6-24</td>
</tr>
<tr>
<td></td>
<td>necessary.</td>
<td></td>
</tr>
<tr>
<td>Sidestand pivot</td>
<td>Check for smooth operation. Lubricate if</td>
<td>6-24</td>
</tr>
<tr>
<td></td>
<td>necessary.</td>
<td></td>
</tr>
<tr>
<td>Fittings/fasteners</td>
<td>Check all chassis fittings and fasteners</td>
<td>4-8, 6-5</td>
</tr>
<tr>
<td></td>
<td>Tighten/Adjust, if necessary.</td>
<td></td>
</tr>
<tr>
<td>Fuel tank</td>
<td>Check fuel level/top-up as required</td>
<td>4-8 ~ 4-9</td>
</tr>
<tr>
<td>Lights and signals</td>
<td>Check for proper operation</td>
<td>4-8, 6-32 ~ 6-34</td>
</tr>
<tr>
<td>Battery</td>
<td>Check fluid level, top-up with distilled</td>
<td>4-8, 6-28 ~ 6-31</td>
</tr>
<tr>
<td></td>
<td>water if necessary.</td>
<td></td>
</tr>
</tbody>
</table>
NOTE:

Pre-operation checks should be made each time the motorcycle is used. Such an inspection can be thoroughly accomplished in a very short time; and the added safety it assures is more than worth the time involved.

WARNING

If any item in the Pre-Operation Check is not working properly, have it inspected and repaired before operating the motorcycle.
Brakes (See page 6-14 for details)
1. Brake lever and brake pedal
   Check for correct free play in the front brake lever and rear brake pedal. Make sure they are working properly. Check the brakes at low speed shortly after starting out. If the free play is incorrect, adjust it.
2. Check the brake shoes.
   Refer to page 6-17.

NOTE: _______________________
When this brake service is necessary, ask a Yamaha dealer

Throttle grip (See page 6-12 for details)
Turn the throttle grip to see if it operates properly, and check the free play. Make sure the grip returns by spring force when released. Ask a Yamaha dealer to make any necessary adjustments

Engine oil
Make sure the engine oil is at the specified level. Add oil as necessary.

Clutch (See page 6-18 for more detail)
Check the free play in the clutch lever, and make sure the lever operates properly. If the free play is incorrect, adjust it.
Recommended oil:
Air-cooled, 2-stroke engine oil
Oil quantity:
Total amount:
0.9 L (0.8 Imp qt, 1.0 US qt)

NOTE: 
Be sure to push the cap into the filler neck until it is properly seated.

Transmission oil (See page 6-6 for details)
Make sure the transmission oil is at the specified level. Add oil as necessary.

Recommended oil:
SAE 10W30 type SE motor oil
Oil quantity:
Total amount:
0.65 L (0.57 Imp qt, 0.69 US qt)
Periodic oil change:
0.60 L (0.53 Imp qt, 0.63 US qt)

Chain (See page 6-19 for details)
Check the general condition of the chain and check the chain slack before every ride. Lubricate and adjust the chain as necessary.
Tires
To ensure maximum performance, long service, and safe operation, note the following:
1. Tire air pressure
   Always check and adjust the tire pressure before operating the motorcycle.

WARNING
Tire inflation pressure should be checked and adjusted when the temperature of the tire equals the ambient air temperature. Tire inflation pressure must be adjusted according to total weight of cargo, rider, passenger, and accessories (fairing, saddlebags, etc. if approved for this model), and vehicle speed.

| Basic weight With oil and full fuel tank | 107 kg (236 lb) |
| Maximum load* | 213 kg (470 lb) |
| Cold tire pressure |  |  |
| Front | Rear |
| Up to 90 kg (198 lb) load* | 150 kPa (15 kg/cm², 21 psi) | 200 kPa (20 kg/cm², 28 psi) |
| 90 kg (198 lb) ~ Maximum load* | 150 kPa (15 kg/cm², 21 psi) | 230 kPa (23 kg/cm², 33 psi) |
| Off-road riding | 150 kPa (15 kg/cm², 21 psi) | 200 kPa (20 kg/cm², 28 psi) |

*Load is the total weight of cargo, rider, passenger, and accessories

WARNING
Proper loading of your motorcycle is important for the handling, braking, and other performance and safety characteristics of your motorcycle. Do not carry loosely packed items that can shift. Securely pack your heaviest items close to the center of the motorcycle, and distrib-
ute the weight evenly from side to side. Properly adjust the suspension for your load, and check the condition and pressure of your tires. NEVER OVERLOAD YOUR MOTORCYCLE. Make sure the total weight of the cargo, rider, passenger, and accessories (fairing, saddlebags, etc. if approved for this model) does not exceed the maximum load of the motorcycle. Operation of an overloaded motorcycle could cause tire damage, an accident, or even injury.

2. Tire inspection
Always check the tires before operating the motorcycle. If a tire tread shows crosswise lines (minimum tread depth), if the tire has a nail or glass fragments in it, or if the side wall is cracked, contact a Yamaha dealer immediately and have him replace the tire.

<table>
<thead>
<tr>
<th>Manufacture</th>
<th>Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridgestone</td>
<td>2.75-21-4PR</td>
<td>TW15</td>
</tr>
<tr>
<td>Yokohama</td>
<td>2.75-21-4PR</td>
<td>Y-968</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manufacture</th>
<th>Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridgestone</td>
<td>4.10-18-4PR</td>
<td>TW12</td>
</tr>
<tr>
<td>Yokohama</td>
<td>4.10-18-4PR</td>
<td>Y-968</td>
</tr>
</tbody>
</table>

Minimum tire tread depth (front and rear) 1.0 mm (0.04 in)
WARNING

1. It is dangerous to ride with a worn-out tire. When a tire tread begins to show lines, have a Yamaha dealer replace the tire immediately. Brakes, tires, and related wheel parts replacement should be left to a Yamaha Service Technician.

2. Patching a punctured tube is not recommended. If it is absolutely necessary to do so, use great care and replace the tube as soon as possible with a good quality replacement.

3. The tires equipped on this motorcycle are suited to normal riding and touring. They are not suited for sustained, high-speed running or racing and must not be used for such purposes. Consider your riding skill, road and weather conditions, and correct weight distribution when loading your motorcycle.

E-934

Wheels
To ensure maximum performance, long service, and safe operation, note the following:

1. Always inspect the wheels before a ride. Check for cracks, bends, or warpage of the wheel; be sure the spokes are tight and undamaged. If any abnormal condition exists in a wheel, consult a Yamaha dealer. Do not attempt even small repairs to the wheel. If a wheel is deformed or cracked, it must be replaced.

2. Tires and wheels should be balanced whenever either one is changed or replaced. Failure to have a wheel balanced can result in poor performance, adverse handling characteristics, and shortened tire life.
3. After installing a tire, ride conservatively to allow the tire to seat itself on the rim properly. Failure to allow proper seating may cause tire failure, resulting in damage to the motorcycle and injury to the rider.

Fittings/Fasteners
Always check the tightness of chassis fittings and fasteners before a ride. Use the chart on page 6-5 to find the correct torque.

Lights and signals
Check the headlight, flasher lights, taillight, brake light, meter lights, and all the indicator lights to make sure they are in working condition.

Switches
Check the operation of the headlight switch, turn switch, brake light switch, horn switch, main switch, etc.

Battery (See page 6-28 for details)
Check the fluid level and top-up if necessary. Use only distilled water if refilling is necessary.

Fuel
Make sure there is sufficient fuel in the tank.

WARNING
Do not overfill the fuel tank. Avoid spilling fuel on the hot engine. Do not fill the fuel tank above the bottom of the filler tube as shown in the illustration or it may overflow when the fuel heats up later and expands.
Recommended fuel: Regular gasoline
For Australia: Unleaded fuel only
Fuel tank capacity:
  Total:
    9.5 L (2.1 Imp gal, 2.5 US gal)
  Reserve:
    1.0 L (0.22 Imp gal, 0.26 US gal)
OPERATION AND
IMPORTANT RIDING
POINTS

WARNING

Before riding this motorcycle, become thoroughly familiar with all operating controls and their function. Consult a Yamaha dealer regarding any control or function that you do not thoroughly understand.

1. Never start your engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and can cause loss of consciousness and death within a short time. Always operate your motorcycle in an area with adequate ventilation.

2. Before starting out, always be sure the sidestand is up. Failure to retract the sidestand completely can result in a serious accident when you try to turn a corner.

Starting a cold engine

NOTE: This motorcycle is equipped with an ignition circuit cut-off switch.

1. The engine can be started only under the following conditions:
   a. The transmission is in neutral.
   b. The sidestand is up, the transmission is in gear, and the clutch is disengaged.
2. The motorcycle must not be ridden when the sidestand is down.
WARNING

Before going through the following steps, check the function of the sidestand switch. (Refer to page 3-12.)

TURN MAIN SWITCH TO "ON" AND ENGINE STOP SWITCH TO "RUN"

IF TRANSMISSION IS IN NEUTRAL AND SIDESTAND IS DOWN

KICK THE KICK STARTER, ENGINE WILL START

RETRACT SIDESTAND AND PUT TRANSMISSION IN GEAR

MOTORCYCLE CAN BE RIDDEN

IF TRANSMISSION IS IN GEAR AND SIDESTAND IS UP

PULL IN CLUTCH LEVER AND KICK THE KICK STARTER; ENGINE WILL START

MOTORCYCLE CAN BE RIDDEN
1. Turn the fuel cock to "ON."
2. Turn the ignition key to "ON" and the engine stop switch to "RUN."
3. Shift transmission into neutral.

**NOTE:**

When the transmission is in neutral, the neutral indicator and oil indicator lights should be on. If the lights do not come on ask a Yamaha dealer to inspect.

4. Operate the starter (CHOKE), and completely close the throttle grip.
5. Kick the kick starter to start the engine.
6. After the engine starts, warm it up for one or two minutes. Make sure the starter is returned to its original position before riding.

**Engine warm-up**

To ensure maximum engine life, always warm up the engine before riding your motorcycle. Never accelerate hard with a cold engine. An engine is warm if it responds normally to the throttle when the starter (CHOKE) is turned off.

**Starting a warm engine**

The starter (CHOKE) is not required when the engine is warm.

**CAUTION:**

See "Break-in section" prior to operating the motorcycle for the first time.
Shifting
The transmission lets you control the amount of power you have available at a given speed for starting, accelerating, climbing hills, etc. The use of the change pedal is shown in the illustration. (Page 3-6)
To shift into NEUTRAL, depress the change pedal repeatedly until it reaches the end of its travel (you will feel a stop when you are in first gear) then raise the pedal slightly.

CAUTION:

1. Do not coast for long periods with the engine off, and do not tow the motorcycle a long distance. Even with gears in neutral, the transmission is only properly lubricated when the engine is running. Inadequate lubrication may damage the transmission.

2. Always use the clutch when changing gears. The engine, transmission, and driveline are not designed to withstand the shock of forced shifting and can be damaged by shifting without the clutch.

Engine break-in
There is never a more important period in the life of your motorcycle than the period between zero and 1,000 km (600 mi). For this reason we ask that you carefully read the following material. Because the engine is brand new, you must not put an excessive load on it for the first 1,000 km (600 mi). The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full throttle operation or any condition which might result in excessive heating of the engine, must be avoided.
1. **0 ~ 500 km (0 ~ 300 mi):**
   Avoid operation above 4,000 r/min. Stop the engine and let it cool for 5 to 10 minutes after every hour of operation. Vary the speed of the motorcycle from time to time. Do not operate it at one set throttle position.

2. **500 ~ 1,000 km (300 ~ 600 mi):**
   Avoid prolonged operation above 5,000 r/min. Rev the motorcycle freely through the gears, but do not use full throttle at any time.

3. **1,000 km (600 mi) and beyond:**
   Full throttle can be used.

---

**CAUTION:**
Never let engine speeds enter the red zone.

---

**CAUTION:**
If any engine trouble should occur during the break-in period, consult a Yamaha dealer immediately.

---

**CAUTION:**
After 1,000 km (600 mi) of operation, be sure to replace the transmission oil.
Parking
When parking the motorcycle, stop the engine and remove the ignition key.

U-630

⚠️ WARNING ⚠️

The muffler and exhaust pipe are hot. Park the motorcycle in a place where pedestrians or children are not likely to touch the motorcycle. Do not park the motorcycle on a slope or soft ground; the motorcycle may overturn.
PERIODIC
MAINTENANCE AND
MINOR REPAIR

Periodic inspection, adjustment, and lubrication will keep your motorcycle in the safest and most efficient condition possible. Safety is an obligation of the motorcycle owner. The maintenance and lubrication schedule chart should be considered strictly as a guide to general maintenance and lubrication intervals. YOU MUST TAKE INTO CONSIDERATION THAT WEATHER, TERRAIN, GEOGRAPHICAL LOCATIONS, AND A VARIETY OF INDIVIDUAL USES ALL TEND TO DEMAND THAT EACH OWNER ALTER THIS TIME SCHEDULE TO SHORTER INTERVALS TO MATCH HIS ENVIRONMENT. The most important points of motorcycle inspection, adjustment, and lubrication are explained in the following pages.

WARNING

If you are not familiar with motorcycle service, this work should be done by a Yamaha dealer.

Tool kit

The service information included in this manual is intended to provide you, the owner, with the necessary information for completing some of your own preventive maintenance and minor repairs. The tools provided in the owner’s tool kit are sufficient for most of these purposes; however, a torque wrench is also necessary to properly tighten nuts and bolts.
NOTE: If you do not have a torque wrench available during a service operation requiring one, take your motorcycle to a Yamaha dealer to check the torque settings and adjust them as necessary.

WARNING

Modifications to this motorcycle not approved by Yamaha may cause loss of performance, and render it unsafe for use. Consult a Yamaha dealer before attempting any changes.
## PERIODIC MAINTENANCE/LUBRICATION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>REMARKS</th>
<th>BREAK-IN 1,000 (600)</th>
<th>EVERY 6,000 (4,000) or 6 months</th>
<th>EVERY 12,000 (8,000) or 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spark plug</td>
<td>Check condition Clean or replace if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Air filter</td>
<td>Clean Replace if necessary</td>
<td></td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Carburetor*</td>
<td>Check idle speed/starter operation Adjust if necessary.</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Fuel line*</td>
<td>Check fuel hose and vacuum pipe for cracks or damage Replace if necessary.</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Transmission oil*</td>
<td>Check oil level/oil leakage Correct if necessary. Replace every 24,000 (16,000) or 24 months (Warm engine before draining.)</td>
<td>REPLACE</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Autolube pump*</td>
<td>Check operation Correct if necessary. Air bleeding</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Brake*</td>
<td>Check operation Adjust if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Clutch*</td>
<td>Check operation Adjust if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Rear arm pivot*</td>
<td>Check rear arm assembly for looseness. Correct if necessary. Moderately repack every 24,000 (16,000) or 24 months.**</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Wheels*</td>
<td>Check balance/damage/runout/spoke tightness Repair if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Wheel bearings*</td>
<td>Check bearings assembly for looseness/damage Replace if damaged.</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Steering bearing*</td>
<td>Check bearings assembly for looseness. Correct if necessary. Moderately repack every 24,000 (16,000) or 24 months.**</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Front forks*</td>
<td>Check operation/oil leakage Repair if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Rear shock absorber*</td>
<td>Check operation/oil leakage Repair if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>ITEM</td>
<td>REMARKS</td>
<td>BREAK-IN 1,000 (600)</td>
<td>EVERY 6,000 (4,000) or 6 months</td>
<td>EVERY 12,000 (8,000) or 12 months</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------------</td>
<td>----------------------</td>
<td>----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Drive chain</td>
<td>Check chain slack/alignment Adjust if necessary Clean and lube</td>
<td></td>
<td>EVERY 500 (300)</td>
<td></td>
</tr>
<tr>
<td>Fittings/Fasteners*</td>
<td>Check all chassis fittings and fasteners Correct if necessary</td>
<td></td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Sidestand*</td>
<td>Check operation Repair if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Sidestand switch*</td>
<td>Check operation Clean or replace if necessary</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Battery*</td>
<td>Check specific gravity Check breather pipe for proper operation Correct if necessary</td>
<td></td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

* It is recommended that these items be serviced by a Yamaha dealer

** Medium weight wheel bearing grease
Torque specifications
Use a torque wrench to tighten these items. It is recommended that these items be checked occasionally, especially before a long trip. Always check the tightness of these items whenever they are loosened for any reason.

<table>
<thead>
<tr>
<th>A (Nut)</th>
<th>B (Bolt)</th>
<th>General torque specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 mm</td>
<td>6 mm</td>
<td>Nm</td>
</tr>
<tr>
<td>12 mm</td>
<td>8 mm</td>
<td>15</td>
</tr>
<tr>
<td>14 mm</td>
<td>10 mm</td>
<td>30</td>
</tr>
<tr>
<td>17 mm</td>
<td>12 mm</td>
<td>55</td>
</tr>
<tr>
<td>19 mm</td>
<td>14 mm</td>
<td>85</td>
</tr>
<tr>
<td>22 mm</td>
<td>16 mm</td>
<td>130</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nm</td>
</tr>
<tr>
<td>Spark plug</td>
<td>20</td>
</tr>
<tr>
<td>Drain plug—Transmission</td>
<td>43</td>
</tr>
<tr>
<td>Change pedal</td>
<td>10</td>
</tr>
<tr>
<td>Front wheel axle</td>
<td>39</td>
</tr>
<tr>
<td>Rear wheel axle</td>
<td>85</td>
</tr>
</tbody>
</table>
Transmission oil level check

1. To check the oil level, the motorcycle must stand VERTICALLY with its both wheels on the ground. A slight tilt toward the side can produce false readings.

2. When checking the oil level, stop the engine and remove the dip stick. Rest the dip stick on the threads of the hole.

3. The dip stick has a minimum and maximum mark; the oil level should be between the two. If the level is low add oil to raise it to the proper level.

**Recommended oil:**
- SAE 10W30 type SE motor oil

**Oil quantity:**
- 0.65 L (0.57 Imp qt, 0.69 US qt)

---

**CAUTION:**
Do not add any chemical additives. Transmission oil also lubricates the clutch and additives could cause clutch slippage.
CAUTION: Be sure no foreign material enters the crankcase.

Transmission oil replacement
1. To drain the oil, warm up the engine for several minutes.
2. Place an oil pan under the engine.
3. Remove the drain plug and drain the oil.

4. Reinstall the drain plug (make sure it is tight).

   Drain plug torque:
   43 Nm (4.3 m·kg, 31 ft·lb)

5. Add oil through the dip stick hole.

   Periodic oil change:
   0.60 L (0.53 Imp qt, 0.63 US qt)

6. After replacement of transmission oil, be sure to check for oil leaks.
Fuel cock cleaning
1. Turn the cock lever to the "ON" or "RES".
2. Remove the drain screw and clean it with solvent. If gasket is damaged, replace.

1. Drain screw

Air filter
1. Remove the left side cover by removing the holding screw.
2. Remove the filter case cover by removing the two holding clips.

3. Remove the air filter element from its case, and clean it with solvent. After cleaning, remove the remaining solvent by squeezing the element.

4. Apply recommended oil to the entire surface of the filter and squeeze out the excess oil. The element should be wet but not dripping.
5. When installing the air filter element in its case, be sure its sealing surface matches the sealing surface of the case so there is no air leak.

6. The air filter element should be cleaned at the specified intervals. It should be cleaned more often if the motorcycle is operated in dusty or wet areas.

Recommended oil:
Air cooled 2-stroke engine oil

CAUTION: The engine should never be run without the air cleaner element; excessive piston and/or cylinder wear may result.
**Carburetor adjustment**

The carburetor is a vital part of the engine and requires very sophisticated adjustment. Most adjustments should be left to a Yamaha dealer who has the professional knowledge and experience to do so. However, the following point may be serviced by the owner as part of this routine maintenance.

---

**CAUTION:**

The carburetor was set at the Yamaha factory after many tests. If the settings are disturbed, poor engine performance and damage may result.

---

**Idle speed adjustment**

1. Start the engine and warm it up for a few minutes (normally, 1 or 2 minutes) at approximately 1,000 to 2,000 r/min. Occasionally rev the engine to 4,000 to 5,000 r/min. The engine is warm when it quickly responds to the throttle.

2. Set the idle to the specified engine speed by adjusting the throttle stop screw; turn the screw in to increase engine speed, turn the screw out to decrease engine speed.

---

1 Throttle stop screw
Standard idle speed:
1,300 ~ 1,400 r/min

NOTE: __________
If the specified idle speed cannot be obtained by performing the above adjustment, consult a Yamaha dealer.

Throttle cable adjustment

NOTE: __________
Before adjusting the throttle cable free play, the engine idling speed should be adjusted.

The throttle cable should have a specified free play in the turning direction at the grip flange. If the play is incorrect, take the following steps for adjustment.

Free play:
2 ~ 5 mm (0.08 ~ 0.20 in)

1. Loosen the lock nut.
2. Turn the adjuster in or out until the adjustment is suitable.
3. Tighten the lock nut.
Spark plug inspection
The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate something of the condition of the engine.
The ideal color on the white porcelain insulator around the center electrode is a medium to light tan color for a motorcycle that is being ridden normally. Do not attempt to diagnose any problems yourself. Instead, take the motorcycle to a Yamaha dealer. You should periodically remove and inspect the spark plug because heat and deposits will cause the spark plug to slowly break down and erode. If electrode erosion becomes excessive, or if carbon and other deposits are excessive, you should replace the spark plug with a proper type plug.

Standard spark plug:
B8ES (NGK)

Before installing the spark plug, measure the electrode gap with a wire thickness gauge; adjust the gap to specification as necessary.

Spark plug gap:
0.7~0.8 mm (0.028~0.031 in)
When installing the plug, always clean the gasket surface and use a new gasket. Wipe off any grime from the threads, and torque the spark plug properly.

**Spark plug torque:**
20 Nm (200 m·kg, 14 ft·lb)

---

**NOTE:**
If a torque wrench is not available when you are installing a spark plug, a good estimate of the correct torque is 1/4 to 1/2 turns past finger tight. Have the spark plug torqued to the correct value as soon as possible with a torque wrench.

---

**Front brake adjustment**
The front brake should be adjusted to suit the rider’s preference; but free play at the brake lever pivot point should be 5～8 mm (0.2～0.3 in). Adjustment can be made at one of two places; either the handlebar lever holder or the front brake hub.
Rear brake adjustment

**WARNING**

For brake pedal adjustment, be sure to proceed as follows: (It is advisable to have a Yamaha dealer make this adjustment.)

1. Pedal height.
   a. Loosen the adjuster lock nut (for pedal height).
   b. By turning the adjuster clockwise or counterclockwise, adjust the brake pedal position so that its top end is approx. 10 mm (0.4 in) below the top of the footrest.
   c. Secure the adjuster lock nut.

1. Loosen the lock nut.
2. Turn the cable length adjuster in or out until adjustment is suitable.
3. Tighten the lock nut.

When it is impossible to make the proper adjustment at the brake lever, ask a Yamaha dealer to adjust the brake shoe plate.

---

1 Adjuster  
2 Lock nut
2. Free play
The rear brake should be adjusted to suit the rider's preference; but free play at the brake pedal end must be 20~30 mm (0.8~1.2 in). Turn the adjuster on the brake rod clockwise to reduce play; turn the adjuster counterclockwise to increase play.

**WARNING**

After adjusting the pedal height, adjust brake pedal free play.
**WARNING**

1. The rear brake pedal adjustment must be checked anytime chain is adjusted or rear wheel is removed and then reinstalled.
2. Check the operation of the brake light after adjusting the rear brake.

**Brake light switch adjustment**

The brake light switch is operated by movement of the brake pedal. To adjust, hold the main body of the switch with your hand so it does not rotate and turn the adjusting nut. Proper adjustment is achieved when the brake light comes on just before the brake begins to take effect.

**Checking the brake shoes**

A wear indicator is attached to each brake to facilitate brake shoes check. This indicator permits a visual check without disassembling the brake. To check, look at the wear indicator while depressing the brake pedal or pulling the brake lever. If the indicator reaches to the wear limit line, ask a Yamaha dealer to replace shoes.
Clutch adjustment
This model has two clutch cable length adjusters. The cable length adjuster are used to take up slack from cable stretch and to provide sufficient free play for proper clutch operation.

Free play adjustment
The clutch should be adjusted to suit the rider’s preference; but, free play at the lever pivot should be 2~3 mm (0.08~0.12 in). Loosen either the handlebar lever adjuster lock nut or the cable length adjuster lock nut. Turn the cable length adjuster either in or out until proper lever free play is achieved.
Drive chain slack check

NOTE: 

Before checking and/or adjusting the chain slack, rotate the rear wheel through several revolutions. Check the chain slack several times to find the point where the chain is the tightest. Check and/or adjust the chain slack where the rear wheel is in this “tight chain” position.

To check the chain slack the motorcycle must stand vertically with its both wheels on the ground and without a rider. Check the slack at the position shown in the illustration. The normal vertical deflection is approximately 35~40 mm (1.4~1.6 in). If the deflection exceeds 40 mm (1.6 in) adjust the chain slack.

Clutch lever free play:
2~3 mm (0.08~0.12 in)
Drive chain slack adjustment
1. Loosen the rear brake adjuster.
2. Remove the cotter pin from the rear wheel axle nut.
3. Loosen the rear wheel axle nut.
4. Turn chain puller both left and right, until axle is situated in same puller slot position.

NOTE:
Slack check should be made with the tensioner in the relaxed position (not touching the chain).

CAUTION:
Too small chain slack will overload the engine and other vital parts; keep the slack within the specified limits.
5. After adjusting, be sure to tighten the axle nut.

Axle nut torque:
85 Nm (8.5 m•kg, 61 ft•lb)

6. Insert new cotter pin into the rear wheel axle nut and bend the end of cotter pin as shown in the illustration. (If the nut notch and cotter pin hole do not match, tighten the nut slightly to align them.)
WARNING

Always use a new cotter pin on the axle nut.

7. Adjust the free play in the brake pedal.

WARNING

Check the operation of the brake light after adjusting the rear brake.

Drive chain lubrication

The chain consists of many parts which work against each other. If the chain is not maintained properly, it will wear out rapidly, therefore, service the chain regularly. This service is especially necessary when riding in dusty conditions.

1. Use any of the many brands of spray type chain lubricant. First, remove all dirt and mud from the chain with a brush or cloth then spray a lubricant between both rows of side plates and on all center rollers. This should be performed every 500 km (300 mi).

2. To clean the chain, remove the chain from the motorcycle, dip it in solvent, and clean out as much dirt as possible. Take the chain out of the solvent and dry it. Immediately lubricate the chain to prevent rust.
Cable inspection and lubrication

U-546

**WARNING**

Damage to the outer housing of the various cables may cause corrosion and interfere with the movement of the cable. An unsafe condition may result so replace such cables as soon as possible.

Lubricate the inner cable and the cable end. If they do not operate smoothly, ask a Yamaha dealer to replace them.

<table>
<thead>
<tr>
<th>Recommended lubricant:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE 10W30 motor oil</td>
</tr>
</tbody>
</table>

Throttle cable and grip lubrication
The throttle twist grip assembly should be greased at the time that the cable is lubricated, since the grip must be removed to get at the end of the throttle cable. Two screws clamp the throttle housing to the handlebar. Once these two are removed, the end of the cable can be held high to pour in several drops of lubricant. With the throttle grip disassembled, coat the metal surface of the grip assembly with a suitable all-purpose grease.

Autolube pump adjustment
The Autolube pump is a vital part of the engine and requires very sophisticated adjustment. Most adjusting should be left to a Yamaha dealer who has the professional knowledge and experience to do so.
Brake and change pedals
Lubricate the pivoting parts.

Recommended lubricant:
SAE 10W30 motor oil

Brake and clutch levers
Lubricate the pivoting parts.

Recommended lubricant:
SAE 10W30 motor oil

Sidestand
Lubricate the pivoting parts. Check to see that the sidestand moves up and down smoothly.

Recommended lubricant:
SAE 10W30 motor oil

WARNING
If the sidestand movement is not smooth, consult a Yamaha dealer.

Rear suspension
Lubricate the pivoting parts.

Recommended lubricant:
Swingarm pivots: Bearing grease
Other pivots: Lithium soap base grease
Front fork inspection

U-057

**WARNING**

Securely support the motorcycle so there is no danger of it falling over.

---

1. Visual check
   Check any scratch/damage on the inner tube and excessive oil leakage with the front fork.

2. Operation check
   Place the motorcycle on a level place.
   a. Hold the motorcycle on an upright position with a rider’s hands on the handlebar and apply the front brake.
   b. Pump the front fork up and down for several times.

---

**CAUTION:**

If any damage or unsmooth movement is found with the front fork, consult a Yamaha dealer.
Rear shock (Monocross suspension “De Carbon” system)

**WARNING**

This shock absorber contains highly pressurized nitrogen gas. Read and understand the following information before handling the shock absorber. The manufacturer cannot be held responsible for property damage or personal injury that may result from improper handling.

1. Do not tamper with or attempt to open the cylinder assembly.
2. Do not subject shock absorber to an open flame or other high heat source. This may cause the unit to explode due to excessive gas pressure.
3. Do not deform or damage the cylinder in any way. Cylinder damage will result in poor damping performance.

4. Bring your shock absorber to a Yamaha dealer for any service.

**Adjustment**

The spring preload of the rear shock absorber can be adjusted to suit rider’s preference, weight, and the course conditions.

1. Remove the both side covers, seat and fuel tank.

2. To increase preload, raise the spring seat. To decrease preload, lower the spring seat.
<table>
<thead>
<tr>
<th>Adjusting position</th>
<th>Soft</th>
<th>STD</th>
<th>Hard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**

When adjusting, use the special wrench which is included in the owner's tool kit.

3. Install the fuel tank, seat and both side covers.

**Steering inspection**

Periodically inspect the condition of the steering. Worn out or loose steering bearings may be dangerous. Place a block under the engine to raise the front wheel off the ground. Hold the lower end of the front forks and try to move them forward and backward. If any free play can be felt, ask a Yamaha dealer to inspect and adjust the steering. Inspection is easier if the front wheel is removed.
Battery
Check the level of the battery electrolyte and see that the terminals are tight. Add distilled water if the electrolyte level is low.

WARNING
Securely support the motorcycle so there is no danger of it falling over.

Wheel bearings
If the wheel bearings in the front or rear wheel allow play in the wheel hub or if the wheel does not turn smoothly, have a Yamaha dealer inspect the wheel bearings. The wheel bearings should be inspected according to the Maintenance Schedule.
**CAUTION:**

When inspecting the battery, be sure the breather pipe is routed correctly. If the breather pipe touches the frame or exits in such a way as to cause battery electrolyte or gas to exit onto the frame, structural and cosmetic damage to the motorcycle can occur.

**WARNING**

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. It contains sulfuric acid. Avoid contact with skin, eyes or clothing.

Antidote: EXTERNAL-Flush with water. INTERNAL-Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call a physician immediately.

Eyes: Flush with water for 15 minutes and get prompt medical attention. Batteries produce explosive gases. Keep sparks, flame, cigarettes etc., away. Ventilate when charging or using in an enclosed space. Always shield your eyes when working near batteries.

**KEEP OUT OF REACH OF CHILDREN.**
Replenishing the battery fluid
A poorly maintained battery will deteriorate quickly. The battery fluid should be checked at least once a month.

1. The level should be between the upper and lower level marks. Use only distilled water if refilling is necessary.

CAUTION:
Normal tap water contains minerals which are harmful to a battery; therefore, refill only with distilled water.

WARNING
Battery fluid on the chain can cause premature failure and possibly an accident.

2. When the motorcycle will not be used for a month or longer, remove the battery and store it in a cool, dark place. Completely recharge the battery before reusing.

3. If the battery will be stored for a longer period than the above, check the specific gravity of the fluid at least once a month and recharge the battery when it is too low.
4. Always make sure the connections are correct when putting the battery back in the motorcycle. Make sure the breather pipe is properly connected and is not damaged or obstructed.

I-907

**Circuit breaker**

This model is equipped with a circuit breaker. If any problem should occur to an electric component and cause a short circuit, this breaker works to shut off the current. If the current is thus shut off by the breaker, perform the following procedure:

1. Turn off the ignition switch and the switch in the circuit in question.
2. Push in the breaker knob.
CAUTION:

Wait 30 seconds before resetting the circuit breaker.

3. Turn on the switches and see if the electrical device operates. If the circuit breaker interrupts the circuit again, consult a Yamaha dealer.

Replacing the headlight bulb

If the headlight bulb burns out, replace the bulb as follows:

1. Remove the headlight cowl and headlight unit assembly.
2. Disconnect the leads, and remove the cover.
3. Turn the bulb holder counterclockwise and remove the defective bulb.

4. Slip a new bulb into position and secure it in place with the bulb holder.
5. Reinstall the light unit assembly and headlight cowl. Adjust the headlight beam if necessary.

---

**WARNING**

Keep flammable products or your hands away from the bulb while it is on, it will be hot. Do not touch the bulb until it cools down.

---

**CAUTION:**

For the headlight beam adjustment, be sure to proceed as follows; (It is advisable to have a Yamaha dealer make this adjustment.)

Vertical adjustment:
To raise the beam, turn the adjusting screw clockwise.
To lower the beam, turn the screw counterclockwise.
Front wheel removal

1. Elevate the front wheel by placing a suitable stand under the engine.
2. Remove the speedometer cable from front brake shoe plate: first remove the clip and then pull cable out.

3. Remove the brake cable: loosen all cable adjusters and remove the cable from handlebar lever holder. Then remove the cable from cam lever at the front brake shoe plate.
4. Remove the cotter pin from front wheel axle and remove the axle nut.

5. Turn and pull out the front wheel axle; the wheel assembly can now be removed.

**Front wheel installation**

When installing the front wheel, reverse the removal procedure.

Pay attention to the following points:

1. Make sure the wheel hub and the brake shoe plate assembly are installed with the projections meshed into the slots.
2. Be sure the boss on the outer fork tube correctly engages with the locating slot on the brake shoe plate.
3. Make sure the axle nut is properly torqued, and a new cotter pin is installed.

**WARNING**

Always use a new cotter pin on the axle nut.

Axle nut torque:
39 Nm (3.9 m•kg, 28 ft•lb)

4. Adjust the free play in the brake lever.

**WARNING**

It is advisable to have a Yamaha dealer service the rear wheel.

1. Elevate the rear wheel by placing a suitable stand under the engine.
2. Remove the brake adjuster and brake rod from the brake cam lever.
3. Remove the cotter pin from the axle nut and remove the axle nut.

1. Cotter pin

4. The rear wheel assembly, the collar, the chain pullers, etc., can be removed from the motorcycle by pulling the wheel axle.

NOTE: A special tool is usually required for separating the chain; however, it is usually not necessary to unlink the chain to remove or reinstall the rear wheel.

2. Make sure the rear wheel axle is inserted on the right-hand side and that the chain pullers are installed with the punched side outward.

3. Adjust the drive chain.

Rear wheel installation
When installing the rear wheel, reverse the removal procedure. Pay attention to the following points:

1. Be sure the swingarm boss correctly engages the locating slot on the brake shoe plate.
4. Make sure the axle nut is properly torqued, and a new cotter pin is installed.

**WARNING**
Always use a new cotter pin on the axle nut.

Axle nut torque:
85 Nm (8.5 m.kg, 61 ft lb)

5. Adjust the rear brake (See page 6-15)

**WARNING**
Check the operation of the brake light after adjusting the rear brake.

Troubleshooting
Although Yamaha motorcycles receive a rigid inspection before shipment from the factory, trouble may occur during operation. Any problem in the fuel, compression, or ignition systems can cause poor starting and a loss of power. The troubleshooting chart describes a quick, easy procedure for checking these systems.

If your motorcycle requires any repair, bring it to a Yamaha dealer. The skilled technicians at a Yamaha dealer have the tools, experience, and know-how to properly service your motorcycle. Use only genuine Yamaha parts on your motorcycle. Imitation parts may look like Yamaha parts, but they are often inferior. Consequently, they have a shorter service life and can lead to expensive repair bills.
Troubleshooting chart
U 663

⚠️ WARNING ⚠️
Never check the fuel system while smoking or in the vicinity of an open flame.

1. Fuel
   - Check if there is fuel in the fuel tank
     - There is fuel
       - Turn the fuel cock to "ON"
       - Restart engine
     - Some fuel
       - Turn the fuel cock to "RES"
   - No fuel
     - Supply fuel
       - Turn the fuel cock to "PRI"

2. Compression
   - Kick the kick lever to see if there is compression
     - There is compression
       - Compression normal
     - No compression
       - Ask Yamaha dealer to inspect

3. Ignition
   - Remove spark plug(s) and check electrode
     - Wet
       - Wipe clean with dry cloth
     - Dry
       - Attach plug cap and ground to chassis
       - Turn switch on and kick strongly
         - Spark good
           - Ignition system normal
         - Spark weak
           - Adjust plug gap or replace plug(s)
         - No spark
           - Ask Yamaha dealer to inspect
**CLEANING AND STORAGE**

**K-009**

**A. CLEANING**

Frequent thorough cleaning of your motorcycle will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

1. **Before cleaning the motorcycle:**
   a. Block off the end of exhaust pipe to prevent water entry; a plastic bag and strong rubber band may be used.
   b. Make sure the spark plug(s) and all filler caps are properly installed.

2. **If the engine case is excessively greasy, apply degreaser with a paint brush.** Do not apply degreaser to the chain, sprockets, or wheel axles.

3. **Rinse the dirt and degreaser off with a garden hose, use only enough pressure to do the job.**

4. **Once the majority of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap.** An old tooth brush or bottle brush is handy for hard-to-get-to places.

5. **Rinse the motorcycle off immediately with clean water and dry all surfaces with a chamois, clean towel, or soft absorbent cloth.**

---

**CAUTION:**

Excessive hose pressure may cause water seepage and contamination of wheel bearings, front forks, brakes and transmission seals. Many expensive repair bills have resulted from improper high pressure detergent applications such as those available in coin-operated car washers.
6. Dry the chain and lubricate it to prevent rust.

7. Clean the seat with a vinyl upholstery cleaner to keep the cover pliable and glossy.

8. Automotive-type wax may be applied to all painted and chrome-plated surfaces. Avoid combination cleaner-waxes. Many contain abrasives which may mar the paint or protective finish. When finished, start the engine and let it idle for several minutes.

B. STORAGE

Long term storage (60 days or more) of your motorcycle will require some preventive procedures to guard against deterioration. After thoroughly cleaning the motorcycle, prepare it for storage as follows:

1. Drain the fuel tank, fuel lines, and carburetor float bowl(s).

2. Remove the empty fuel tank, pour a cup of SAE 10W30 or 20W40 motor oil in tank, shake the tank to coat the inner surfaces thoroughly and drain off the excess oil. Reinstall the tank.

3. Remove the spark plug(s), pour about one tablespoon of SAE 10W30 or 20W40 motor oil in spark plug hole(s) and reinstall spark plugs. Kick the engine over several times (with ignition off) to coat the cylinder walls with oil.

4. Remove the drive chain. Thoroughly clean the chain with solvent and lubricate. Reinstall the chain or store it in a plastic bag (tied to frame for safe-keeping).
5. Lubricate all control cables.
6. Block up the frame to raise both wheels off the ground.
7. Tie a plastic bag over the exhaust pipe outlet to prevent moisture from entering.
8. If storing in a humid or salt-air atmosphere, coat all exposed metal surfaces with a light film of oil. Do not apply oil to any rubber parts or the seat cover.
9. Remove the battery and charge it. Store it in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place (less than 0°C (30°F) or more than 30°C (90°F)).

NOTE: ________________________________
Make any necessary repairs before storing the motorcycle.
# SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>DT175A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
<td></td>
</tr>
<tr>
<td>Overall length</td>
<td>2,110 mm (83.1 in)</td>
</tr>
<tr>
<td>Overall width</td>
<td>865 mm (34.1 in)</td>
</tr>
<tr>
<td>Overall height</td>
<td>1,165 mm (45.9 in)</td>
</tr>
<tr>
<td>Seat height</td>
<td>830 mm (32.7 in)</td>
</tr>
<tr>
<td>Wheel base</td>
<td>1,340 mm (52.8 in)</td>
</tr>
<tr>
<td>Minimum ground clearance</td>
<td>260 mm (10.2 in)</td>
</tr>
<tr>
<td>Basic weight:</td>
<td></td>
</tr>
<tr>
<td>With oil and full fuel tank</td>
<td>107 kg (236 lb)</td>
</tr>
<tr>
<td>Minimum turning radius</td>
<td>2,100 mm (82.7 in)</td>
</tr>
<tr>
<td>Engine:</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Air cooled 2-stroke, gasoline</td>
</tr>
<tr>
<td>Model</td>
<td>3FJ3</td>
</tr>
<tr>
<td>Cylinder arrangement</td>
<td>Single cylinder, Forward inclined</td>
</tr>
<tr>
<td>Displacement</td>
<td>171 cm³</td>
</tr>
<tr>
<td>Bore × Stroke</td>
<td>66 × 50 mm (2.60 × 1.97 in)</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>6.7:1</td>
</tr>
<tr>
<td>Model</td>
<td>DT175A</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Starting system</td>
<td>Kick starter</td>
</tr>
<tr>
<td>Lubrication system</td>
<td>Separate lubrication (Yamaha Autolube)</td>
</tr>
<tr>
<td>Engine oil (2-cycle):</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Air cooled 2-stroke engine oil</td>
</tr>
<tr>
<td>Capacity</td>
<td>0.9 L (0.8 Imp qt, 1.0 US qt)</td>
</tr>
<tr>
<td>Transmission oil</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>SAE 10W30 type SE motor oil</td>
</tr>
<tr>
<td>Capacity</td>
<td></td>
</tr>
<tr>
<td>Periodic oil change</td>
<td>0.6 L (0.53 Imp qt, 0.63 US qt)</td>
</tr>
<tr>
<td>Total amount</td>
<td>0.65 L (0.57 Imp qt, 0.69 US qt)</td>
</tr>
<tr>
<td>Air filter:</td>
<td>Wet type element</td>
</tr>
<tr>
<td>Fuel:</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Regular gasoline</td>
</tr>
<tr>
<td>Tank capacity</td>
<td>9.5 L (2.1 Imp gal, 2.5 US gal)</td>
</tr>
<tr>
<td>Reserve amount</td>
<td>1.0 L (0.22 Imp gal, 0.26 US gal)</td>
</tr>
<tr>
<td>Carburetor:</td>
<td></td>
</tr>
<tr>
<td>Type/manufacturer</td>
<td>VM24SS/MIKUNI</td>
</tr>
<tr>
<td>Model</td>
<td>DT175A</td>
</tr>
<tr>
<td>------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Spark plug:</td>
<td></td>
</tr>
<tr>
<td>Type/manufacturer</td>
<td>B8ES/NGK</td>
</tr>
<tr>
<td>Gap</td>
<td>0.7<del>0.8 mm (0.028</del>0.031 in)</td>
</tr>
<tr>
<td>Clutch type:</td>
<td>Wet, multi-disc</td>
</tr>
<tr>
<td>Transmission:</td>
<td></td>
</tr>
<tr>
<td>Primary reduction system</td>
<td>Helical gear</td>
</tr>
<tr>
<td>Primary reduction ratio</td>
<td>71/22 (3.227)</td>
</tr>
<tr>
<td>Secondary reduction system</td>
<td>Chain drive</td>
</tr>
<tr>
<td>Secondary reduction ratio</td>
<td>49/16 (3.062)</td>
</tr>
<tr>
<td>Transmission type</td>
<td>Constant mesh 6-speed</td>
</tr>
<tr>
<td>Operation</td>
<td>Left foot operation</td>
</tr>
<tr>
<td>Gear ratio</td>
<td></td>
</tr>
<tr>
<td>1st</td>
<td>35/11 (3.181)</td>
</tr>
<tr>
<td>2nd</td>
<td>29/15 (1.933)</td>
</tr>
<tr>
<td>3rd</td>
<td>26/19 (1.368)</td>
</tr>
<tr>
<td>4th</td>
<td>24/22 (1.090)</td>
</tr>
<tr>
<td>5th</td>
<td>22/23 (0.956)</td>
</tr>
<tr>
<td>6th</td>
<td>21/25 (0.840)</td>
</tr>
<tr>
<td>Model</td>
<td>DT175A</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td><strong>Chassis:</strong></td>
<td>Semi double cradle</td>
</tr>
<tr>
<td>Frame type</td>
<td>29.66°</td>
</tr>
<tr>
<td>Caster angle</td>
<td>123 mm (4.8 in)</td>
</tr>
<tr>
<td>Trail</td>
<td></td>
</tr>
<tr>
<td><strong>Tire:</strong></td>
<td>With tube</td>
</tr>
<tr>
<td>Type</td>
<td>2.75-21-4PR</td>
</tr>
<tr>
<td>Size — Front</td>
<td>4.10-18-4PR</td>
</tr>
<tr>
<td>Rear</td>
<td></td>
</tr>
<tr>
<td><strong>Brake:</strong></td>
<td>Drum brake</td>
</tr>
<tr>
<td>Front brake type</td>
<td>Right hand operation</td>
</tr>
<tr>
<td>Operation</td>
<td>Drum brake</td>
</tr>
<tr>
<td>Rear brake type</td>
<td>Right foot operation</td>
</tr>
<tr>
<td>Operation</td>
<td></td>
</tr>
<tr>
<td><strong>Suspension:</strong></td>
<td>Telescopic fork</td>
</tr>
<tr>
<td>Front</td>
<td>Swing arm (Monocross suspension)</td>
</tr>
<tr>
<td>Rear</td>
<td></td>
</tr>
<tr>
<td><strong>Shock Absorber:</strong></td>
<td>Coil spring, Oil damper</td>
</tr>
<tr>
<td>Front</td>
<td>Gas, Coil spring, Oil damper</td>
</tr>
<tr>
<td>Rear</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>DT175A</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>Wheel travel:</td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td>200 mm (7.9 in)</td>
</tr>
<tr>
<td>Rear</td>
<td>155 mm (6.1 in)</td>
</tr>
<tr>
<td>Electrical:</td>
<td></td>
</tr>
<tr>
<td>Ignition system</td>
<td>CDI magneto</td>
</tr>
<tr>
<td>Generator system</td>
<td>Flywheel magneto</td>
</tr>
<tr>
<td>Battery type/capacity</td>
<td>6N6-3B-1/6V 6AH</td>
</tr>
<tr>
<td>Headlight type:</td>
<td>Bulb</td>
</tr>
<tr>
<td>Bulb wattage/quantity:</td>
<td></td>
</tr>
<tr>
<td>Headlight</td>
<td>6V 35W/35W</td>
</tr>
<tr>
<td>Tail/brake light</td>
<td>6V 5.3W/17W</td>
</tr>
<tr>
<td>Flasher light</td>
<td>6V 17W x 4</td>
</tr>
<tr>
<td>Meter light</td>
<td>6V 3W x 2</td>
</tr>
<tr>
<td>Indicator light wattage/quantity:</td>
<td></td>
</tr>
<tr>
<td>&quot;NEUTRAL&quot;</td>
<td>6V 3W</td>
</tr>
<tr>
<td>&quot;HIGH BEAM&quot;</td>
<td>6V 3W</td>
</tr>
<tr>
<td>&quot;OIL&quot;</td>
<td>6V 3W</td>
</tr>
<tr>
<td>&quot;TURN&quot;</td>
<td>6V 3W</td>
</tr>
</tbody>
</table>
NOISE REGULATION (For Australia)

"TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED"

Owners are warned that the law may prohibit:

(a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; and

(b) The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.
1. "ENGINE STOP" switch
2. Front brake switch
3. Spark plug
4. Ignition coil
5. CDI unit
6. Rectifier
7. Circuit breaker
8. Battery
9. Rear flasher light (R)
10. Tail/Brake light
11. Rear flasher light (L)
12. Oil level gauge
13. Rear brake switch
14. Regulator
15. Flasher relay
16. Neutral switch
17. CDI magneto
18. "HORN" switch
19. "TURN" switch
20. "LIGHTS" (Dimmer) switch
21. "LIGHTS" switch
22. Front flasher light (L)
23. Horn
24. Speedometer light
25. Headlight
26. Main switch
27. "OIL" warning indicator light
28. Meter light
29. "TURN" indicator light
30. "HIGH BEAM" indicator light
31. "NEUTRAL" indicator light
32. Tachometer light
33. Front flasher light (R)
34. Sidestand switch
35. Control unit

**COLOR CODE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Black</td>
</tr>
<tr>
<td>Br</td>
<td>Brown</td>
</tr>
<tr>
<td>Ch</td>
<td>Chocolate</td>
</tr>
<tr>
<td>Dg</td>
<td>Dark green</td>
</tr>
<tr>
<td>G</td>
<td>Green</td>
</tr>
<tr>
<td>L</td>
<td>Blue</td>
</tr>
<tr>
<td>O</td>
<td>Orange</td>
</tr>
<tr>
<td>P</td>
<td>Pink</td>
</tr>
<tr>
<td>R</td>
<td>Red</td>
</tr>
<tr>
<td>Sb</td>
<td>Sky blue</td>
</tr>
<tr>
<td>W</td>
<td>White</td>
</tr>
<tr>
<td>Y</td>
<td>Yellow</td>
</tr>
<tr>
<td>B/R</td>
<td>Black/Red</td>
</tr>
<tr>
<td>B/W</td>
<td>Black/White</td>
</tr>
<tr>
<td>Br/W</td>
<td>Brown/White</td>
</tr>
<tr>
<td>G/Y</td>
<td>Green/Yellow</td>
</tr>
<tr>
<td>W/G</td>
<td>White/Green</td>
</tr>
<tr>
<td>W/R</td>
<td>White/Red</td>
</tr>
<tr>
<td>Y/W</td>
<td>Yellow/White</td>
</tr>
<tr>
<td>L/Y</td>
<td>Blue/Yellow</td>
</tr>
</tbody>
</table>