DISCLAIMER OF WARRANTY

This motorcycle is sold "as is" with all faults, obvious or not. There are no warranties expressed or implied, including any warranty of merchantability and warranty of fitness for any particular purpose.

"WARNING"

THE COBRA CX65 IS A COMPETITION MODEL ONLY AND IS <u>NOT</u> MANUFACTURED FOR, NOR SHOULD IT BE USED ON PUBLIC STREETS, ROADS OR HIGHWAYS.

THE USE OF THIS BIKE SHOULD BE LIMITED TO PARTICIPATION IN SANCTIONED COMPETITION EVENTS UPON A CLOSED COURSE BY A SUFFICIENTLY SKILLED RIDER AND SHOULD NOT BE USED FOR GENERAL OFF-ROAD RECREATIONAL RIDING.

IMPROPER USE OF THIS MOTORCYCLE CAN CAUSE INJURY OR DEATH.

THIS BIKE IS INTENDED FOR EXPERIENCED RACERS ONLY AND NOT FOR BEGINNERS.

IT IS <u>YOUR RESPONSIBILITY</u> AS THE OWNER OF THIS COBRA MOTORCYCLE OR AS THE PARENT, OR LEGAL GUARDIAN OF THE OPERATOR, TO KEEP THIS COBRA MOTORCYCLE IN PROPER OPERATING CONDITION.

THIS BIKE WAS DESIGNED FOR RIDERS THAT WEIGH LESS THAN 110 LBS WITH FULL RIDING GEAR AND SHOULD NOT BE OPERATED BY RIDERS THAT WEIGH MORE THAN THAT.

BE SURE THAT THE RIDER ALWAYS WEARS ADEQUATE SAFETY GEAR EVERYTIME HE OR SHE RIDES THEIR COBRA MOTORCYCLE.

IMPORTANT SAFETY NOTICE

A WARNING

Failure to follow WARNING instructions <u>could result in severe injury or death</u> to the machine operator, a bystander, or a person inspecting or repairing the machine.

CAUTION:

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

NOTE:

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

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General Information

Specifications - General

| Items | CX65 |
|--------------------------------|---|
| Dimensions | |
| Wheelbase | 40.9" (1040mm) |
| Wheel size | 12" (305mm) rear, 14" (356mm) front |
| Seat height | 29.9" (760mm) |
| Engine | |
| Туре | 2-stroke, single cylinder, reed valve |
| Cooling system | Liquid-cooled |
| Coolant | 50/50 antifreeze-coolant / distilled water |
| Displacement | 64.9 cc |
| Bore and stroke | 44.5 mm x 41.7 mm |
| Ignition system | Electronic, digital advance |
| Spark plug | Champion 8339-1, 8332-1 hotter, 8904-1 colder |
| Gap | 0.023" – 0.025" (0.58 – 0.64 mm) |
| Ignition timing | Digital advance (set at TDC) |
| Fuel type | High octane pump gasoline |
| Oil type | Cobra Venom 2-cycle Race Oil |
| Fuel / oil mix ratios | Between 32:1 and 40:1 (after engine Break-In) |
| Carburetion | 24 mm VM Mikuni |
| Main Jet / Slow (Pilot) Jet | 210 / 40 |
| Needle | 5I 14 - 4 |
| Float Height | 21.1 ± 1.0 |
| Transmission | |
| Speed | 6 speed |
| Final drive ratio | 15/48 |
| Chain | 116 links 420 |
| Transmission / clutch oil type | Quality gear lubricant, or Cobra clutch milk |
| | Do Not Run Automotive Motor Oil |
| Quantity | 530 ml (18.0oz) |

Chassis

Front tire 60/100 - 14Rear tire 80/100 - 12

Front fork Marzocchi 35mm USD, Compression adjustable

Fork oil type | SAE 10 weight

Fork oil amount 210 ml (7.1oz)

Spring Preload Length | 178mm (49 N/mm

Rear shock Öhlins: Compression & Rebound Adjustable

Spring rate 280 lb/in (49 N/mm)

Optional Components

Call your dealer, or the factory, for details

- Carburetor jets
- Pre filter for the airbox
- Tires, tubes or 'Tire Balls'
- Sprockets
 - o Front
 - o Rear
- Suspension Springs

| Weight of Rider (lb) | Fork Spring | Shock Spring |
|----------------------|-------------|---------------------|
| less than 70 lb | | 42 N/MM (240 lb/in) |
| | | SCC60240P (white) |
| 75-85 lb | 0.24 kg/mm | 45 N/MM (260 lb/in) |
| | KCC60024 | SCC60260P (black) |
| 85-100 lb | 0.26 kg/mm | 49 N/MM (280 lb/in) |
| | KCC60026 | SCC60280P (yellow) |
| Greater than 100 | 0.28 kg/mm | 53 N/MM (300 lb/in) |
| | KCC60028 | SCEX1300 (red) |

Specifications - Torque Values

| | | Torque Value | | Size & |
|------------------------|-------|--------------|------|-------------|
| Fastener | ft-lb | in-lb | Nm | Remarks |
| Cylinder head nuts | 12.5 | 150 | 17 | M7 x 1.0 |
| Crankcase bolts | 8.8 | 105 | 12 | M6 x 1.0 |
| Exhaust Flange | 5 | 60 | 6 | M6x1.0 |
| Spark plug | (SP) | (SP) | (SP) | M14 x 1.25 |
| Stator bolts | 2.1 | 25 | 2.8 | M5 X 0.8 |
| Stator cover bolts | 1.7 | 20 | 2.3 | M4 X 0.75 |
| Clutch cover bolts | 5.8 | 70 | 7.9 | M6 X 1.0 |
| Clutch nut | 35 | 420 | 47 | M10 x 1.25* |
| Front axle bolt | 10 | 120 | 13.5 | M14 x 2.0 |
| Front axle pinch bolt | 7.4 | 88.5 | 10 | M6 X 1.0 |
| Engine mount bolts | 22 | 265 | 30 | M8 X 1.25 |
| Swingarm Pivot | 21 | 250 | 28 | M12 X 1.5 |
| Intake manifold bolts | 4.6 | 55 | 6.2 | M6 X 1.0 |
| Rear Axle Bolt | 25 | 300 | 34 | M14 X 1. 5 |
| Rear Sprocket Bolts | 20 | 240 | 27 | M8 X 1.25 |
| Triple clamp bolts | 6 | 72 | 8 | M6 x 1.0 |
| Fork cap | 15 | 177 | 20 | |
| Fork Damper Nut | 11 | 133 | 15 | |
| Ignition rotor nut | 40 | 480 | 54 | M10 x 1.25* |

^{*} Apply high strength thread locking agent when installing

(SP) To apply the proper torque to the spark plug when inserting, one must first screw the spark plug in until the metal gasket ring causes resistance and then turn another 1/8 to ½ turn.

Break-In Procedure

Your Cobra CX65 is a close-tolerance high performance machine and break-in time is very important for maximum life and performance. The CX65 can be ridden hard after the first ½ hour break-in time but it is recommended that no adjustments are made to the carburetion or suspension until the full 8 hours of bike break-in has elapsed. Also, after the engine, transmission, and drive train have been broken-in for the full 8 hours, the bike will be faster!

Use a fuel / oil mixture of 32:1 for the full 8 hour break-in period. Be sure to use high octane pump gas with Cobra's specially formulated *Cobra Venom 2-cycle Race Oil.* (Part # MCMUOL02)

CAUTION:

Failure to use proper fuel, oil, or fuel/oil mixture may result in premature engine wear or damage to the machine.

Adhering to the following break-in schedule will result in long lasting high performance machine.

- Start bike on stand
- First 5 minute period, operate the bike on the stand with a combination of idle and high RPM operation. (avoid prolonged high RPM but spin the rear wheel good at least once or twice per minute)
- Allow bike to cool
- Ride for 15 minutes maximum (avoid prolonged high RPM operation and avoid abusing the clutch).
- Cool and inspect bike for loose fasteners.
- Check & retighten wheel spokes
- Next ½ hour of operation, avoid prolonged operation at Wide Open Throttle.
- After 1 hour of operation
 - Check for loose bolts and nuts on the bike and retighten as necessary (proper toque values are listed under Specifications).
 - Clean the carburetor bowl.
 - Change the transmission / clutch lubricant.
- After 8 hours of operation
 - Change the fork oil.
 - Have a Certified Cobra Mechanic change the shock oil.
- Your bike is now ready for the highest level of competition!

NOTE:

During break-in the bike will likely lose some engine coolant through the radiator overflow hose. Losing up to 4 oz (120 ml, ½ cup) is normal. Proper coolant level will cover the top of the radiator cores. Removing the radiator cap and looking inside is the only way to check the coolant level.

A WARNING

Never open the radiator cap of a machine that has a hot or warm engine or one that has recently been ridden. Burning and scalding could occur.

CAUTION:

It is important that the radiator cap is installed correctly and completely otherwise engine damage could occur.

Starting Procedure

Before starting the machine inspect the following:

- Check for proper tire pressure in both tires.
- Observe the chain tension and adjust if necessary.
- Observe the coolant level and fill if necessary.
- Verify that the chain rollers and sliders do not have improper wear.
- Verify that the handlebars are tight.
- Check the throttle for smooth operation and sound closing.
- Check for loose bolts and nuts, and re-torque as necessary.
- Verify that the air filter is clean and properly saturated with oil.
- Insure that the fuel tank contains an adequate volume of fuel / oil mixture to complete the distance required. (High octane pump gas with Cobra's specially formulated Cobra Venom 2-cycle Race Oil)
- Turn the fuel on by rotating the fuel petcock lever to the vertically downward position.

CAUTION:

For best results from your Cobra Motorcycle use only the recommended fuels. 'Race' fuels can be used, however, they are not required with the stock engine, and the engine will require addition attention to maintain proper jetting as weather condition change throughout the day.

A WARNING

Always wear a helmet and other protective riding gear.

When your pre-ride inspection is complete the bike may be started. For a cold engine follow this procedure.

- 1. Place the motorcycle on a stand of sufficient strength that positions the motorcycle in a level upright position with the rear wheel off the ground.
- 2. Engage the choke by pulling out on the choke button until it stops.
- 3. Kick start the engine.
- 4. Rev the engine in short spurts, turning the throttle no more than 1/4 open until the engine will run without the choke.
- 5. Verify a functional engine shut-off switch by shutting off the engine.
- 6. Restart the engine and proceed with riding when the engine is sufficiently warm (i.e. the side of the cylinder is warm to touch).

CAUTION:

Never rev an engine full throttle when it's cold or slightly warmed up. This may lead to premature wear of engine components or complete cold seizure of the engine.

CAUTION:

Cobra recommends that you tell your child to take it easy the first couple of minutes in practice until the engine comes up to full operating temperature.

Maintenance

It is important that you adhere to this maintenance schedule so as to promote the longevity of your Cobra Motorcycle.

Tips

- 1. Cobra lubricants:
 - a. Use only high quality transmission oil designed specifically for twostroke racing engines.
 - Cobra Two Cycle Oil exceeds the JASO FD & ISO-L-EGD specifications, which are the world's most stringent requirements on lubrication, detergency, and smoke.
- 2. Fill your transmission only with the recommended amount of oil. Overfilling may lead to premature seal failure.
- 3. The cylinder base gasket has been 'fitted' for your engine. See the service section of this manual for instructions how to properly size a base gasket during an engine rebuild.
- 4. Evaluate the bikes jetting only after it has been warmed up to race temperatures.
- 5. A properly maintained machine is safer, faster, and more fun to ride.
- 6. New chains will stretch on first use. Never install a new chain prior to a race. Always 'break' them in during practice.
- Your Cobra Motorcycle has a 10 digit VIN (Vehicle Identification Number).
 The first two digits indicate the model and the seventh indicates the model year (MY).
 - a. Example, CXxxxx7xxx is a 2007 MY CX65.

Schedule

- Between each ride
 - Check the air filter (clean and re-oil as necessary).
 - o Insure the smooth operation of the throttle cable (throttle soundly 'clacks' shut).
 - Check for frayed strands of the throttle cable inside the throttle housing and replace if necessary.
 - Check for adequate tire pressures and adjust if necessary.
 - Check all nuts and bolts for proper torque and re-torque if necessary.

- Spray all moving parts with WD40 or other water displacing oil.
- Check drive chain for
 - Proper tension and adjust if necessary.
 - Adequate lubrication and lubricate if necessary.
- o Insure that the ignition stator and rotor are clean and dry.
- Check the frame for cracks in the metal or cracks in the paint that might indicate that the metal has been stressed beyond it's safe limits.
 Replace or get properly re-welded as necessary.
- Check the spokes for tightness and adjust if necessary.
- Check the rims and hubs for signs of stress, like cracks around the rim, spokes and hub.
- Every 2 hours of operation
 - Replace the transmission oil.
 - Check spoke tension
- Every 10 hours of operation
 - Replace the fork oil.
 - Have the shock oil replaced by a Certified Cobra Mechanic.

CAUTION:

If you ever need to weld anything on the bike, disconnect the spark plug cap, unplug the ignition, disconnect the kill switch, scrape the paint bare near the area to be welded and put the ground clamp as close to the area to be welded as possible.

WARNING

Be sure the fuel tank and carburetor have been removed and safely located away from the welding process.

The frame is a combination of HSLA steel and 4130 Chrome Moly and it is important to weld it with the proper rod and heat settings set as light as possible. Cobra recommends replacing the frame with a new one if the old one becomes damaged. Use ER70S6 filler if welding on the frame.

Replacing Transmission / Clutch Lubricant

Tools needed:

- 18 oz, of high quality transmission oil, or Cobra clutch milk
- 8 mm Allen wrench

CAUTION:

General automotive motor oil has frictional modifiers which will cause premature wear and failure of the clutch.

Procedure:

1. Begin this procedure with a bike that has been ridden more than 5 minutes but less than 10 minutes. It is desired to have the engine warm enough so that the oil is 'runny' but not so hot that there is risk of being burned by the

engine or the oil.

A WARNING

Hot oil and hot components on the motorcycle may cause burns.

- 2. Lean the bike against something or set on stand with oil drain hole.
- Using a 8mm Allen wrench, remove the oil drain bolt located on the right side of the engine, on the clutch cover, near the brake lever (See Figure 1).

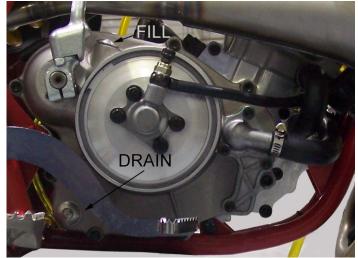


Figure 1.

NOTE: You may need to adjust the brake pedal (up or down) to gain access to the drain bolt.

- 4. After it has drained, reinstall the bolt being sure that the rubber gasket is in place. Torque to 11 Nm (8 ft-lb).
- 5. Remove oil fill plug with an 8mm Allen wrench.
- 6. Carefully pour 16 oz (470 ml) of transmission oil into the oil fill opening.
- 7. Reinstall the oil fill plug making sure the rubber gasket is in place.

NOTE: Filling after an engine rebuild required additional transmission fluid. If the engine is completely flushed of oil, refill with 18 oz (530ml).

A WARNING

Always capture and dispose of used oil properly (all auto parts stores accept used oil). Dumping oil on the ground is illegal, inconsiderate, and can get you disqualified from a race weekend quicker than cutting the track.

Chain adjustment

Tools required for chain adjustment

- 22 mm wrench or socket
- 2 11 mm open-end wrenches
- Make sure that the rear wheel is aligned properly.
- For proper adjustment, the chain should have 35 mm free movement just behind the chain block with no load on the bike (Figure 2)



Figure 2.

CAUTION:

Sit on the bike and verify that the chain has a

minimum of 12mm (1/2") free movement when the chain is at its tightest point.

- If the chain requires
 adjusting, loosen the axle
 with a 22mm wrench, and
 loosen the jam nut with an
 11mm wrench. Tighten the
 chain by rotating the
 adjustor bolts clockwise
 (CW) or loosen the chain by
 rotating the adjustor bolts
 (CCW).
- 4. Put a rag between the sprocket and chain, and roll the wheel backward to pull the chain adjustor blocks tightly against the adjustor bolts (Figure 3).
- 5. Retighten the axle bolt to 25 ft-lb (34 Nm).
- 6. Retighten the adjustor jam nuts.



Figure 3.

CAUTION:

Always check rear brake adjustment and free-play after adjusting the chain.

Air Filter Cleaning

Tools recommended for air filter maintenance:

- 5 mm hex key (Allen)
- Foam filter oil

Procedure

- 1. Removed seat with the 5mm hex key.
- 2. Unhook the air filter wire from its perch
- Carefully remove the air filter and frame out the top of the airbox making sure not to dislodge any dirt into the intake tract.
- 4. Clean the filter in a nonflammable solvent to remove the filter oil.



Figure 4.

Do not clean the air filter with gasoline or other highly volatile petroleum product. Diesel fuel, mineral spirits, or kerosene would be preferred but caution should still be taken.

- 5. Clean the filter in hot soapy water to remove all dirt particles.
- 6. Allow it to dry thoroughly.
- 7. Saturate with filter oil and remove excess.

NOTE:

It is very important to keep the air filter clean and properly oiled with high quality water-resistant foam filter oil. Apply oil consistently because varied amounts of oil will affect carburetor jetting.

8. **Reinstall** the filter assembly by pushing it down and forward into the airbox making sure the lip of the filter cage is properly seated into its receptacle (figure 5). Reinstall the air filter cap and holding wire.



Figure 5.

CAUTION:

Double check to insure that the filter is pushed in tight at the bottom

NOTE:

Make sure you change or clean your filter after each moto. We recommend carrying multiple filters in your toolbox, one for each practice session and moto.

Fork Oil Replacement

Requirements

- 19mm and 27mm combination wrench
- 6mm and 10mm hex key (Allen)
- Flexible retrieving tool
- 10w fork oil (approximately 210cc per fork leg)

Disassembly

- 1. Remove the front wheel and front brake caliper.
- 2. Remove the fork legs from the triple clamps.
- 3. Perform the following on each fork leg:
 - a. Remove the fork cap from the fork tube using a 27mm wrench.
 - b. Lower the fork tube to expose the fork spring.
 - c. Pull the fork spring down from the fork cap to expose the damper rod lock nut. Secure this nut using a 19mm wrench.
 - d. With a 19mm wrench on the damper rod nut, use a 27mm wrench to free the fork cap from the damper rod.
 - e. Remove the 19mm wrench and allow the damper rod to fall into the damper tube.
 - f. Remove the fork spring and spacer.
 - g. Invert the fork to allow the oil to drain. Pump the damper rod assembly several times to help the oil drain.

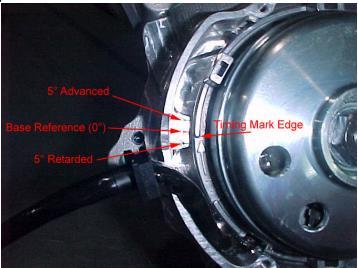
Assembly

- Completely collapse the outer fork tube onto the stanchion tube. Add enough
 oil to the fork to fill the cartridge tube. Pump the damper rod up and down
 slowly to help the assembly fill with oil.
- 2. Once the cartridge assembly is bled, continue to fill the fork with oil until it is 120mm +/- 2.5mm from the top of the fork.
- 3. Install the fork spring.
- 4. Use a flexible retrieving tool to pull the damper rod up through the fork spring. Pull the fork spring down from the damper rod to expose the damper rod lock nut. Secure this nut using a 19mm wrench.
- Install the spacer and fork cap to the damper rod. Ensure that the fork cap is completely threaded onto the damper rod before it makes contact with the lock nut. Torque the damper rod lock nut to 15N-m (11ft-lb).
- 6. Install the fork cap to the fork tube. Torque the fork cap to 20Nm (15ft-lb).
- 7. Pump the fork leg several times to verify that it operates smoothly.
- 8. Install each leg back into the triple clamp. Torque each pinch bolt to 11N-m (8 ft-lb) making sure both legs are set to the same height in the clamps.
- 9. Install the front wheel, and torque the axle to 13.5N-m (10 ft-lb).
- 10. Drop the bike onto the ground, engage the front brake, and push up and down on the handlebars several time to ensure that the front forks and the front wheel are properly aligned with each other.
- 11. Tighten the axle pinch bolts to 10N-m (7.4 ft-lb).

Ignition Timing

The ignition timing value for the 2009 CX65 is 5° retarded from the standard base reference (0°). This can be verified by removing the ignition cover and looking as

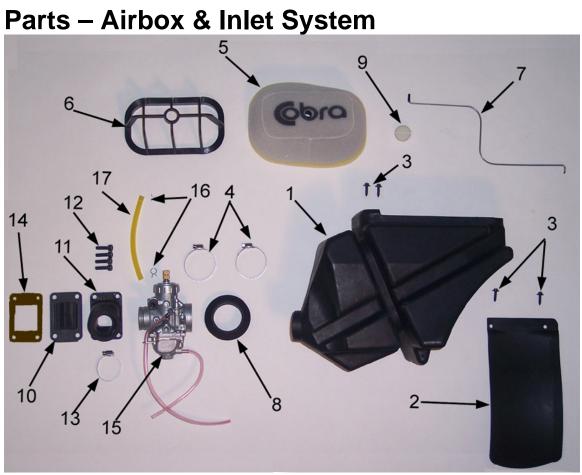
shown in the figure below.



The center mark on the cases is the standard base reference timing mark (0°), and the other two large marks are 5° advanced and retarded. The small timing marks between 0 & 5° is 2.5°.

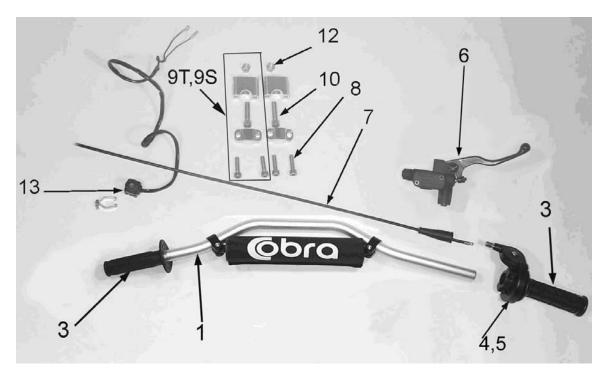
To change the timing, one must remove the flywheel with Cobra 65 flywheel puller # MCMUTL05. After the flywheel has been removed, the timing can be adjusted by loosening the stator bolts and rotating the stator to the desired position.

Parts



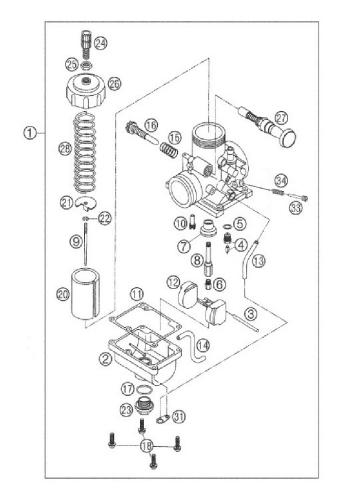
| | Coolant System | | |
|-----------|----------------|------------------------------|--|
| REF# | PART # | DESCRIPTION | |
| 1 | RCC60007 | AIRBOX 07 65 | |
| 2 | TCC60008 | MUD FLAP 07 65 | |
| 3 | HCSP0003 | SCREW - PLASCREW | |
| 4 | MCKGHO03 | CLAMP, AIR BOOT TO AIR BOX | |
| 5 | RCC60002 | AIR FILTER 07 65 | |
| 6 | RCC60003 | AIR FILTER CAGE | |
| 7 | RCC60004 | AIR FILTER WIRE 07 65 | |
| 8 | RCC60014 | AIR BOOT, CARB TO AIRBOX 65 | |
| 9 | RCC60006 | AIR FILTER CAP 07 65 | |
| 10 | ECC60006 | REED ASSEMBLY 07 65 | |
| NOT SHOWN | ECC60014 | REED PEDALS - REPLACEMENT | |
| 11 | ECC60007 | INLET MANIFOLD 07 65 | |
| 12 | HCBC0602 | 6X20MM SOCKET HEAD CAP SCREW | |
| 13 | MCC60003 | CLAMP, MANIFOLD TO CARB | |
| 14 | ZCC60021 | GASKET REED 07 65 | |
| 15 | RCC60001 | CARBURETOR 24MM MIKUNI | |
| 16 | MCMUCL04 | HOSE CLAMP 8MM | |
| 17 | FCMU0026 | FUEL LINE | |

Parts – Bars and Controls



| | | Bars and Controls |
|--------------|-----------|---|
| REF # | PART# | DESCRIPTION |
| 1 | FAMU0011 | HANDLEBAR - ALUMINUM |
| 2 | | |
| 3 | TCMU0008 | GRIPS (SET OF TWO) |
| 4 | FCMU0066 | THROTTLE ASSEMBLY |
| 5 | FCMU0021 | THROTTLE COVER |
| | | ALLOY BRAKE LEVER - (OBSOLETE - MUST PURCHASE |
| 6 | BCC60008 | BAC60010) |
| | | MASTER CYLINDER ASSY W/LEVER (OBSOLETE – REPLACED |
| 6 | BCC60009 | BY BAC60010) |
| 7 | RAC60001 | THROTTLE CABLE |
| 8 | HCBC0806 | SOCKET HEAD CAP SCREW M8 X 30 (4 PER) |
| 9S | TKMU0404M | BAR MOUNT KIT, SHORT (2 PER) |
| 9T | TKMU0403M | BAR MOUNT KIT, TALL (2 PER) STOCK |
| 10 | HCBC1002 | 10X50 SOCKET HEAD CAP SCREW (2 REQ'D PER BIKE) |
| 12 | HCNL1001 | M10 LOCK NUT |
| NOT SHOWN | HCBH0820 | M8 X 20 HEX HEAD BOLT |
| 13 | FCMU0033 | KILL SWITCH ASSEMBLY |

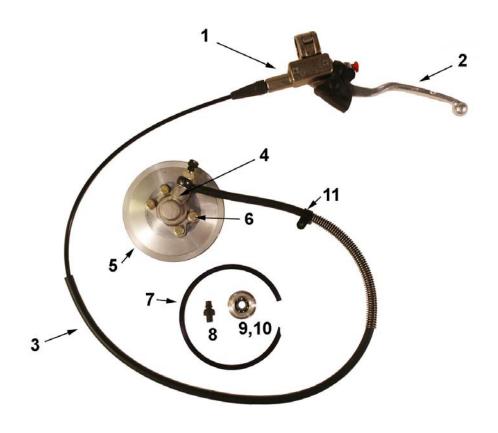
Parts - Carburetor



| | Carburetor | | |
|-------|------------|--------------------------|--|
| REF.# | PART# | DESCRIPTION | |
| 1 | RCC60001 | CARBURETOR 24MM MIKUNI | |
| 2 | | | |
| 3 | | | |
| 4 | RCMU0271 | NEEDLE VALVE & SEAT ASSY | |
| 5 | | | |
| 6 | SEE BELOW | MAIN JET | |
| 8 | | | |
| 9 | | | |
| 10 | SEE BELOW | PILOT JET | |
| 11 | RCC60013 | GASKET , FLOAT BOWL | |
| 12 | | | |
| 13 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| | RCMU0415 | CABLE ADJUSTER CAP | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 31 | | | |
| 33 | | | |
| 34 | | | |

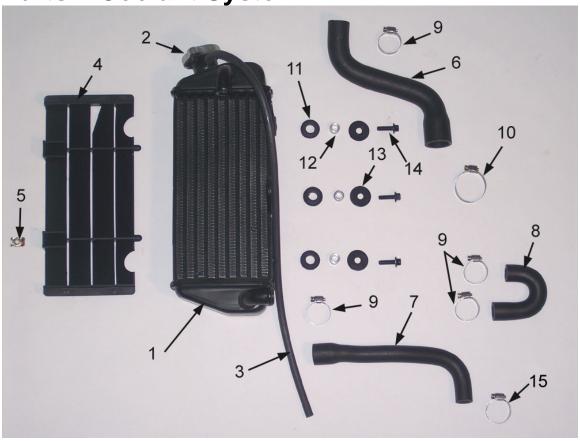
| | | 34 | | |
|------|-----------|----|------|----------|
| PILO | PILOT JET | | MAIN | I JET |
| 22.5 | RCEX0022 | | 165 | RCMU0165 |
| 25 | RCEX0025 | | 170 | RCMU0170 |
| 27.5 | RCEX0027 | | 175 | RCMU0175 |
| 30 | RCEX0030 | | 180 | RCMU0180 |
| 32.5 | RCEX0032 | | 185 | RCMU0185 |
| 35 | RCEX0035 | | 190 | RCMU0190 |
| 37.5 | RCEX0037 | | 195 | RCMU0195 |
| 40 | RCEX0040 | | 200 | RCMU0200 |
| 42.5 | RCEX0042 | | 205 | RCMU0205 |
| 45 | RCEX0045 | | 210 | RCMU0210 |
| 47.5 | RCEX0047 | | 215 | RCMU0215 |
| 50 | RCEX0050 | | 220 | RCMU0220 |
| 52.5 | RCEX0052 | | 225 | |
| 55 | RCEX0055 | | 230 | RCMU0230 |
| 57.5 | RCEX0057 | | 235 | RCMU0235 |
| 60 | RCEX0060 | | 240 | RCMU0240 |
| 65 | RCEX0065 | | 245 | RCMU0245 |
| 70 | RCEX0070 | | 250 | RCMU1250 |

Parts – Clutch Actuation



| | | Clutale Astrotion |
|-----------|----------|---|
| | | Clutch Actuation |
| REF# | PART# | DESCRIPTION |
| 1 | CCMU0014 | MASTER CYLINDER |
| 2 | CCDC0001 | CLUTCH LEVER |
| NOT SHOWN | CCMU0004 | COVER – RESERVOIR (REPLACEMENT) |
| NOT SHOWN | CCMU0036 | CLAMP – PERCH (REPLACEMENT) |
| 3 | CAC60001 | CLUTCH ACUTATOR ASSEMBLY (Lever, Master Cyl., Line, Slave Cyl.) |
| NOT SHOWN | CCC60001 | CLUTCH LINE ONLY |
| 4 | CCDC0002 | CLUTCH SLAVE CYLINDER |
| 5 | ECDC0074 | CLUTCH CAP |
| 6 | HCBC0601 | 6X16 SOCKET HEAD CAP SCREW (4 REQ'D) |
| 7 | ECDC0082 | SNAP RING – CLUTCH CAP |
| 8 | ECDC0020 | CLUTCH PUSH ROD |
| 9 | ECDC0018 | CLUTCH THROW-OUT BEARING |
| 10 | ECDC0019 | CLUTCH BEARING SEAT |
| 11 | HCCC0002 | CABLE CLAMP |
| NOT SHOWN | ZCDCOR05 | CLUTCH CAP O-RING |
| NOT SHOWN | ZCDCOR04 | SLAVE CYLINDER O-RING |

Parts – Coolant System



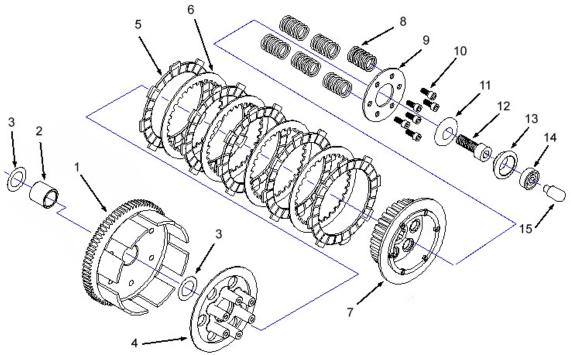
| | Coolant System | | |
|-----------|----------------|--------------------------------------|--|
| REF# | PART# | DESCRIPTION | |
| 1 | FCDC0000 | RADIATOR W/CAP - CX65 | |
| 2 | FCMU0047 | CAP - RADIATOR | |
| 3 | FCKG0214 | HOSE - OVERFLOW | |
| | MCMUCL05 | HOSE CLAMP 11-20 UNIVERSAL | |
| 4 | FCDC0009 | RADIATOR LOUVER-CX65 | |
| NOT SHOWN | HCSP0002 | PUSH PIN - PLASTIC | |
| 5 | HCCN0000 | 5MM EXTRUDED "U" NUT | |
| 6 | ECC60011 | HOSE RADIATOR UPPER | |
| 7 | ECC60012 | HOSE RADIATOR BOTTOM | |
| 8 | ECC60013 | HOSE TRANFTER – CASES TO CYLINDER | |
| 9 | MCMUCL07 | HOSE CLAMP RADIATOR MEDIUM (4 REQ'D) | |
| 10 | MCKGHO04 | HOSE CLAMP RADIATOR LARGE (1 REQ'D) | |
| 11 | MCEXGR01 | GROMMET RADIATOR | |
| 12 | WCMU0006 | SPACER | |
| 13 | HCWF1478 | 6MM WASHER 22MM OD BLK ZINC | |
| 14 | HCBF0625 | 6X25 FLANGED HEX-8MM HEAD | |
| 15 | MCMUCL09 | HOSE CLAMP RADIATOR SMALL (1 REQ'D) | |

Parts – Electrical System



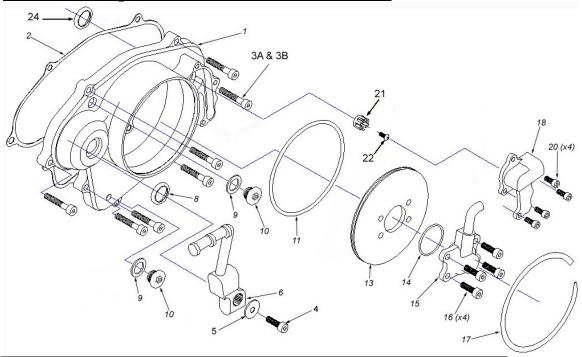
| | | CHAMPION | |
|------|---|--|--|
| | | Electrical System | |
| REF# | PART# | DESCRIPTION | |
| 1 | ICC60004 | STATOR DIGITAL 07 65 | |
| 2 | HCBB0516 | 5X12MM SHCS (3 REQ'D) | |
| 3 | HCWF0501 | 5MM FLAT WASHER (3 REQ'D) | |
| 4 | ICC60003 | ROTOR OUTER STYLE 07 65 | |
| | ICMU0012 | WOODRUFF KEY | |
| 5 | HCWF0010 | 10 FLAT WASHER | |
| 6 | HCNS1001 | 10MM X 1.25 NUT | |
| 7 | ICC60002 | CDI UNIT 07 65 | |
| 8 | HCNL0601 | 6MM LOCKNUT – CDI MOUNTING (2 REQ'D) | |
| 9 | ICC60001 | COIL DIGITAL 07 65 | |
| 10 | HCBC0516 | 5X16MM SHCS – COIL MOUNTING (2REQ'D) | |
| 11 | HCSP0002 | 5MM WASHER – COIL MOUNTING (2 REQ'D) | |
| 12 | HCCN0000 5MM EXTRUDED "U" NUT – COIL MOUNTING (2 REQ'D) | | |
| 13 | ECMU0065 | SPARK PLUG, CHAMPION (8339-1) | |
| | ECMU0067 | OPTIONAL HOTTER PLUG (8332-1) | |
| | ECMU0066 | OPTIONAL COLDER PLUG (8904-1) | |
| 14 | FCMU0033 | KILL SWITCH ASSEMBLY | |
| 15 | ECDC0085 | COVER - IGNITION | |
| 16 | ZCDC0004 | GASKET-IGNITION COVER | |
| 17 | HCBC0402 | 4X35MM SHCS – COVER MOUNTING (3 REQ'D) | |

Parts – Engine Clutch



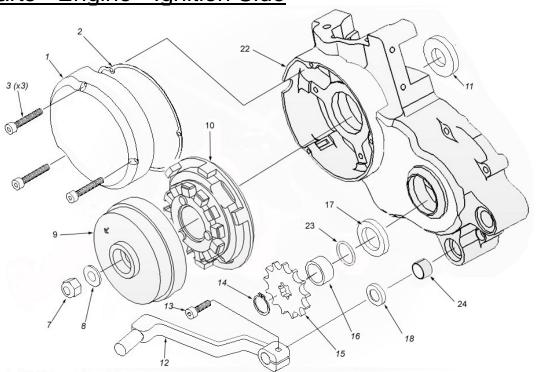
| | Clutch components | | | |
|--------------|-------------------|--------------------------------------|--|--|
| REF.# | PART# | DESCRIPTION | | |
| 1 | EAEX0003 | CLUTCH BASKET ASSEMBLY | | |
| 2 | ECDC0064 | CLUTCH BUSHING - INNER / STEEL | | |
| NOT SHOWN | ECDC0167 | CLUTCH BUSHING - OUTER / BRONZE | | |
| 3 | ECDC0063 | CLUTCH WASHER (2 PLACES) | | |
| 4 | ECDC0066 | CLUTCH PRESSURE PLATE | | |
| 5 | ECDC0068 | CLUTCH DISC-FRICTION – (5 REQ'D) | | |
| 6 | ECDC0067 | CLUTCH DISC-STEEL – (4 REQ'D) | | |
| 7 | ECDC0069 | CLUTCH HUB | | |
| 8 | ECDC0070 | SPRING, CLUTCH – (6 REQ'D) | | |
| 9 | ECMU0224 | PLATE, CLUTCH SPRING | | |
| 10 | HCBC0525 | 5X25 SOCKET HEAD CAP SCREW (6 REQ'D) | | |
| 11 | ECDC0030 | SPRING WASHER – CLUTCH | | |
| 12 | HCBC1035 | 10MM X 35 SHCS BLACK OXIDE | | |
| 13 | ECDC0019 | CLUTCH BEARING SEAT | | |
| 14 | ECDC0018 | BEARING,CLUTCH THROW OUT | | |
| 15 | ECDC0020 | CLUTCH PUSH ROD | | |

Parts - Engine - Clutch / Kick Cover



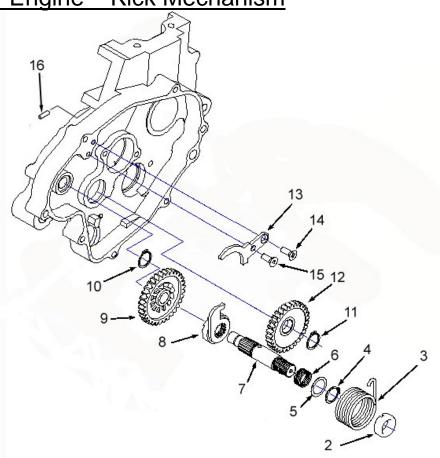
| | Clutch / kick cover components | | | |
|-----------|--------------------------------|---|--|--|
| REF.# | PART# | DESCRIPTION | | |
| 1 | ECMU0150 | CLUTCH COVER (07 STYLE) | | |
| 2 | ZCMU0014 | GASKET-CLUTCHCOVER | | |
| 3A | HCBF0625 | 6X25 SOCKET HEAD CAP SCREW (6 REQ'D) | | |
| 3B | HCBF0630 | 6X30 SOCKET HEAD CAP SCREW (2 REQ'D) | | |
| 4 | HCBF0612 | 6X12 FLANGE HEAD BOLT | | |
| 5 | HCWF0618 | WASHER - KICK LEVER | | |
| 6 | ECMU0130 | KICKSTARTER LEVER | | |
| 8 | ECDC0078 | SEAL,KICKSTARTER | | |
| 9 | ZCMUB014 | O'RING-OIL FILL PLUG | | |
| | ECMU0168 | OIL FILL PLUG, ALUMINUM (SUFFIX INDICATES | | |
| 10 | (B, BL, OR R) | COLOR, B – BLACK, BL – BLUE, R – RED) | | |
| 11 | ZCDCOR05 | ORING-CLUTCH CAP | | |
| 13 | ECDC0074 | CLUTCH CAP | | |
| 14 | ZCDCOR04 | ORING,CLUTCH SLAVE CYLINDER | | |
| NOT SHOWN | CCEX0009 | BALL, CLUTCH ACTUATOR | | |
| 15 | CAC60001 | CLUTCH ASSEMBLY | | |
| 16 | HCBC0601 | 6X16 SOCKET HEAD CAP SCREW (4 REQ'D) | | |
| 17 | ECDC0082 | SNAP RING-CLUTCH CAP | | |
| 18 | ECAX0150 | IMPELLER COVER | | |
| | ZCC60004 | GASKET-IMPELLER COVER (may not be used) | | |
| 20 | HCBC0601 | 6X16 SOCKET HEAD CAP SCREW | | |
| 21 | ECDC0075 | IMPELLER, WATERPUMP | | |
| 22 | HCBC1512 | M5 X 12MM SOCKET HEAD CAP SCREW SS | | |
| | | | | |
| 24 | ECKG0074 | SEAL, WATERPUMP | | |
| NOT SHOWN | ECMU0218 | RETAINING RING, WATER PUMP SEAL | | |

Parts - Engine - Ignition Side



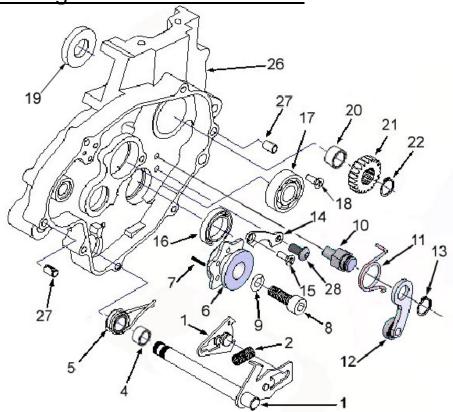
| Ignition side engine components | | | |
|---------------------------------|----------|--------------------------------------|--|
| REF.# | | DESCRIPTION | |
| | ECDC0085 | IGNITION COVER | |
| - | ZCDC0004 | GASKET-IGNITION COVER | |
| | HCBC0402 | 4X35 SOCKET HEAD CAP SCREW (3 REQ'D) | |
| | HCBC0501 | 5X12MM SHCS | |
| - | | | |
| 6 | HCWF0501 | WASHER FLAT 5MM | |
| 7 | HCNS1001 | NUT M10 | |
| 8 | HCWF0010 | 10MM FLAT WASHER | |
| 9 | ICC60003 | ROTOR PVL OUTER STYLE | |
| 10 | ICC60004 | STATOR PVL DIGITAL 07 65 | |
| 11 | ECDC0024 | SEAL, CRANKSHAFT | |
| 12 | ECDC0086 | SHIFTER LEVER – CX65 | |
| 13 | HCFH0620 | M6 X 20 HEX HEAD BOLT | |
| 14 | ECKGSR03 | SNAP RING-OUTPUT-COBRA | |
| 15 | PCKG00xx | SPROCKET xx denotes number of teeth | |
| 16 | ECDC0009 | SPACER,SPROCKET | |
| 17 | ECDC0025 | SEAL,OUTPUT | |
| 18 | ECDC0026 | SEAL,SHIFTER | |
| 21 | ICMUGR01 | GROMMET-IGNITION | |
| 22 | EKC62009 | ENGINE CASE SET W/B&S CX65 09 | |
| 23 | ZCDCOR01 | O-RING, SPROCKET SPACER | |
| 24 | ECEX0008 | BUSHING, SHIFTER SHAFT | |

Parts - Engine - Kick Mechanism



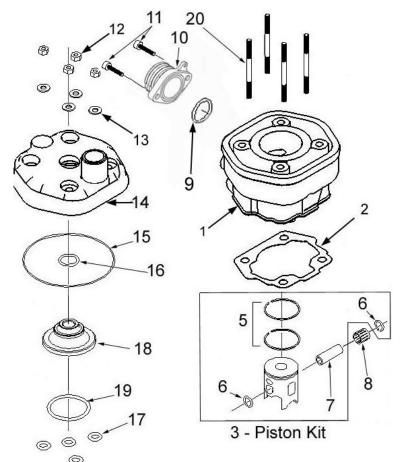
| | Kick Mechanism | | | | |
|--------------|----------------|-------------------------------------|--|--|--|
| REF.# | PART# | DESCRIPTION | | | |
| | EKC62009 | ENGINE CASE SET W/B&S CX65 09 | | | |
| 2 | ECDC0111 | SPACER, KICK START SHAFT | | | |
| 3 | ECDC0040 | SPRING, KICKSTART RETURN | | | |
| 4 | ECDC0036 | SNAP RING, EXTERNAL 16MM | | | |
| 5 | ECDC0043 | WASHER, KICKSTART BACKUP | | | |
| 6 | ECDC0042 | SPRING, KICKSTART RAMP | | | |
| 7 | ECMU0135 | SHAFT, KICK START | | | |
| 8 | ECDC0038 | RAMP GEAR, KICKSTART | | | |
| 9 | ECDC0033 | GEAR, KICKSTART | | | |
| 10 | ECDC0035 | SNAP RING, EXTERNAL 12MM | | | |
| 11 | ECDC0037 | SNAP RING, EXTERNAL 15MM | | | |
| 12 | ECDC0032 | GEAR, KICK START IDLE | | | |
| 13 | ECDC0039 | RAMP, KICK START | | | |
| 14 | ECDC0060 | 6MM X 16 PHILLIPS FLAT HEAD SCREW | | | |
| 15 | HCBB1612 | 6MM X 12 MM BUTTON HEAD BLACK OXIDE | | | |
| 16 | ECMU0533 | FITTING, VENT HOSE | | | |
| NOT SHOWN | ECMU0534 | VENT HOSE | | | |

Parts - Engine - Shift Mechanism



| | Clutch components | | | |
|-------|-------------------|---------------------------------------|--|--|
| REF.# | PART# | DESCRIPTION | | |
| 1 | EADC0154 | SHIFTER SHAFT (2 COMPONENTS) W/SPRING | | |
| 2 | ECDC0055 | SPRING - SHIFTER SHAFT | | |
| 4 | ECDC0110 | SPACER, CENTERING SPRING | | |
| | ECDC0099 | SPRING, CENTERING | | |
| 6 | ECMU0550 | SHIFT CASSETTE (W/O PINS) | | |
| 7 | ECDC0051 | DOWEL – SHIFT DRUM INDEX | | |
| 8 | HCBC1825 | 8MM X 25 SHCS BLACK OXIDE | | |
| 9 | HCWL0802 | 8MM LOCKWASHER, HI COLLAR | | |
| 10 | ECMU0548 | PIVOT, SHIFT ARM | | |
| 11 | ECMU0546 | SPRING, SHIFT FOLLOWER ARM | | |
| 12 | ECMU0545 | ARM ASSY, SHIFT FOLLOWER | | |
| 13 | ECDC0035 | CLIP, ARM RETAINER | | |
| 14 | ECDC0056 | BEARING RETAINER PLATE | | |
| 15 | ECDC0060 | 6MM X 16 FLAT HEAD PHILLIPS SCREW | | |
| 16 | ECDC0022 | BEARING, SHIFT DRUM | | |
| 17 | ECMU0216 | BEARING, PRIMARY SHAFT CLUTCH SIDE | | |
| 18 | HCBB1612 | 6MM X 12 BUTTON HEAD BLACK OXIDE | | |
| 19 | ECDC0024 | SEAL, CRANKSHAFT | | |
| 20 | ECDC0112 | SPACER, CRANK DRIVE GEAR | | |
| 21 | ECDC0073 | CRANK DRIVE GEAR | | |
| 22 | ECDC0036 | SNAP RING, EXT 16MM | | |
| 26 | EKC62009 | ENGINE CASE SET W/B&S CX65 09 | | |
| 27 | ECDC0031 | DOWEL, HOLLOW (2 PLACES) | | |
| 28 | HCBB1612 | 6MM X 12 BUTTON HEAD | | |

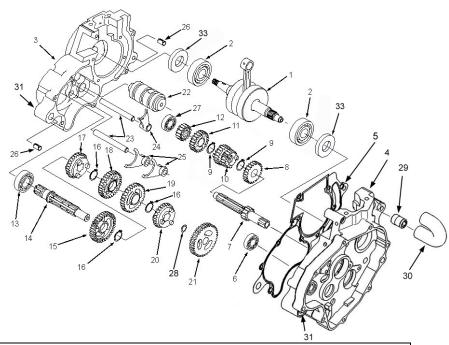
<u>Parts – Engine</u> <u>– Top End</u>



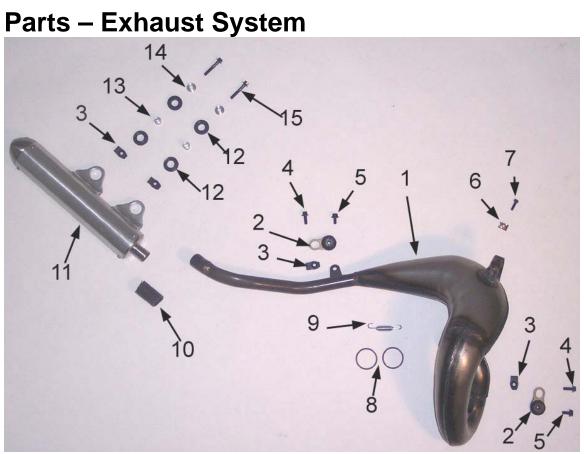
| | © | | | | |
|-------------|------------------|--|--|--|--|
| | Engine – Top End | | | | |
| REF# | PART# | DESCRIPTION | | | |
| 1 | ECC60017 | CYLINDER KIT (INCLUDES PISTON KIT) | | | |
| | | BASE GASKET 0.015" (0.4mm thick) For other Base Gaskets refer to Base | | | |
| | | Gasket Selection section of this manual (PG 37) More than one gasket | | | |
| 2 | ZCC60115 | may be required! | | | |
| 3 | ECMU0184xx | PISTON KIT (xx denotes piston size, A, or AB, etc) | | | |
| 5 | ECEX0005 | PISTON RINGS (2 PER SET) | | | |
| 6 | ** | SNAP RING FOR PISTON (2 REQ'D) | | | |
| 7 | ** | WRIST PIN | | | |
| 8 | ECDC0061 | BEARING, WRIST PIN | | | |
| 9 | ZCMUOR07 | O-RING, EXHAUST FLANGE | | | |
| 10 | ECC60002 | EXHAUST FLANGE 30MM | | | |
| NOT | ZCMOTE11 | O-RINGS – PIPE TO FLANGE (2 REQ'D) | | | |
| SHOWN 11 | HCBC0601 | M6X16 SHCS, EXHAUST FLANGE SCREW (2 REQ'D) | | | |
| 12 | HCNS0703 | 7MM NUT TALL | | | |
| 13 | | FLAT WASHER – HARDENED | | | |
| | HCWS1401 | | | | |
| 14 | ECC60010 | CYLINDER HEAD OUTER | | | |
| 4.5 | ECC60034 | BRASS COOLANT PLUG WITH SEAL | | | |
| 15 | ZCMUOR02 | O-RING, CYLINDER HEAD LARGE | | | |
| 16 | ZCMUV024 | O-RING CYLINDER HEAD SMALL | | | |
| 17 | ZCMUOR10 | O-RING CYLINDER STUD (4 REQ'D) | | | |
| 18 | ECC60029 | CYLINDER HEAD INSERT 09 65 | | | |
| 19 | ZCMUV032 | O-RING CYLINDER HEAD MEDIUM | | | |
| 20 | ECMU0147 | STUD, CYLINDER 7mm | | | |

^{**} Call Tech support if you need these parts.

Parts - Engine - Transmission

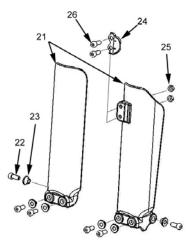


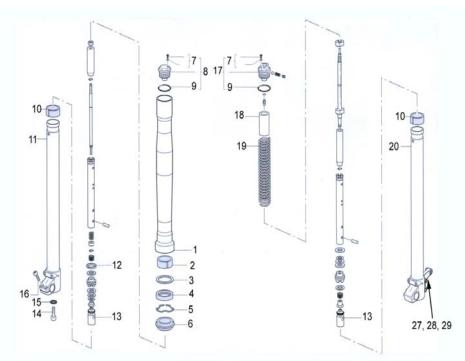
| | | | | 31 |
|--------------|-----------|---------|----|--|
| | | | | Transmission |
| REF# | PART# | | DE | ESCRIPTION |
| 1 | ECC6 | 0027 | CF | RANKSHAFT 09 65 |
| 2 | ECDC | 0023 | BE | EARING, CRANKSHAFT |
| ACCESSORY | EKEX | 0001 | R | DD KIT |
| 3 | EKC6 | 2009 | E١ | NGINE CASE SET W/B&S CX65 09 |
| 4 | EKC6 | 2009 | E١ | NGINE CASE SET W/B&S CX65 09 |
| 5 | ZCC6 | 0003 | G/ | ASKET CRANKCASE 09 65 |
| Left Case So | | HCBC060 | | 6X35MM SOCKET HEAD CAP SCREW (4 REQ'D) |
| Right Case S | | | | 6X30MM SHCS (7 REQ'D) |
| Right Case S | | | | 6X50 SHCS |
| 6 | ECDC | | | EARING, OUTPUTSHAFT CLUTCH SIDE |
| 7 | ECDC | | | HAFT, TRANSMISSION PRIMARY (1 ST GEAR), 13T |
| 8 | ECDC | | | EAR, 6 TH PRIMARY 24T |
| 9 | ECDC | | | NAP RING, EXTERNAL 17 MM (2 REQ'D) |
| 10 | ECDC | | | EAR, 3 RD / 4 TH PRIMARY, 18/21T |
| 11 | ECDC | | | EAR, 5 TH PRIMARY, 23T |
| 12 | ECDC | | | EAR, 2 ND PRIMARY, 16T |
| 13 | ECKGBR01 | | | EARING, OUTPUT IGNITION SIDE |
| 14 | ECDC0007 | | | HAFT, TRANSMISSION OUTPUT |
| 15 | ECDC0014 | | | EAR, 2 ND OUTPUT, 31T |
| 16 | ECDC0017 | | | HAP RING, EXTERNAL 18MM (3 REQ'D) |
| 17 | ECDC0013 | | GI | EAR, 5 TH , OUTPUT, 30T |
| 18 | ECDC0011 | | | EAR, 4 TH OUTPUT, 28T |
| 19 | ECDC0010 | | | EAR, 3 RD OUTPUT, 34T |
| 20 | ECDC | 0015 | | EAR, 6 TH OUTPUT, 26T |
| 21 | ECDC | 0016 | GI | EAR, 1 ST OUTPUT, 37T |
| 22 | ECDC | 0047 | | HIFT DRUM |
| 23 | ECDC | 0050 | | HIFT ROD (2 REQ'D) |
| 24 | ECDC0048 | | | HIFT FORK, INPUT |
| 25 | ECDC0049 | | | HIFT FORK, OUTPUT (2 REQ'D) |
| 26 | HCDP1401 | | | DWEL, SOLID CENTERING (2 REQ'D) |
| 27 | ECKG0031 | | BE | ARING, PRIMARY SHAFT IGNITION SIDE |
| 28A | ECMU0040 | | SH | HIM TRANSMISSION 0.030" (0.48mm) THICK |
| 28B | ECMU0040T | | SH | HIM TRANSMISSION 0.015" (0.4 mm) THICK |
| 31 | ECC60015 | | Вι | JSHING ENGINE / SWINGARM PIVOT CX65 |
| 32 | ECMU0549 | | BE | EARING, NEEDLE, SHIFT DRUM LEFT SIDE |
| - | | | | |



| Exhaust System | | | |
|----------------|----------|---|--|
| REF# | PART# | DESCRIPTION | |
| 1 | XAC62008 | EXPANSION CHAMBER 08 | |
| 2 | XCMU0033 | ISOLATION MOUNT (2 REQ'D) | |
| | | 6MM CLIP NUT-PLASTIC/PIPE MNT (2 REQ'D FOR PIPE & 2 | |
| 3 | HCHA0003 | REQ'D FOR SILENCER) | |
| 4 | HCBF0616 | 6X16MM FLANGE HEAD BOLT (2 REQ'D) | |
| 5 | HCBF0612 | 6X12MM FLANGE HEAD BOLT (2 REQ'D) | |
| 6 | HCCN0000 | 5MM EXTRUDED "U" NUT | |
| 7 | HCBC0516 | 5X16MM SHCS FOR RIGHT SHROUD MOUNT | |
| 8 | ZCMOTE11 | O-RING – EXHAUST (2 REQ'D) | |
| 9 | XCMU0005 | SPRING – PIPE – SHORT | |
| 10 | XCKG0009 | GROMMET – SILENCER TO PIPE | |
| 11 | XCMU0032 | SILENCER 10" ROUND 2007 | |
| 12 | MCMUGR03 | GROMMET FOR RADIATOR (4 REQ'D) | |
| 13 | TCKG0001 | SPACER GENERAL ½DIA 13.2 LG (2 REQ'D) | |
| 14 | TCC60016 | SPACER TOP HAT (2 REQ'D) | |
| 15 | HCBF0630 | 6X30 FLANGE HEX-8MM HEAD | |
| NOT SHOWN | XCMU0026 | SILENCER PACKING KIT | |

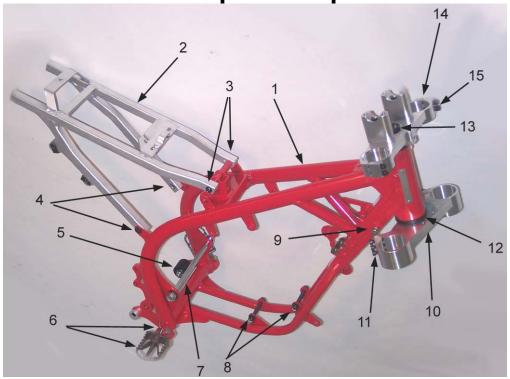
Parts – Forks – Leg Assembly





| | Fork Leg Assembly | | | |
|------|-------------------|-----------------------------------|--|--|
| REF# | PART# | DESCRIPTION | | |
| | KACX6527 | FORK SET – 2008 CX65 | | |
| 1 | | FORK LEG OUTER | | |
| 2 | KCC60004 | BUSHING – TOP | | |
| 3 | | WASHER | | |
| 4 | KCC60002 | FORK SEAL | | |
| 5 | KCC60011 | CLIP RING | | |
| 6 | KCC60003 | DUST COVER (SWIPER) | | |
| 7 | KCC60012 | BLEED SCREW WITH SEAL | | |
| 8 | | CAP – REBOUND SIDE | | |
| 9 | | O-RING – FORK CAP | | |
| 10 | KCC60005 | BUSHING – BOTTOM | | |
| 11 | | FORK LEG INNER – NON BRAKE SIDE | | |
| 12 | KCC60006 | SEAL - PISTON | | |
| 13 | KCC60009 | BASE VALVE BODY | | |
| 14 | | BOLT – FORK BOTTOM | | |
| 15 | KCC60008 | WASHER – FORK BOTTOM | | |
| 16 | | BOLT – AXLE CLAMP | | |
| 17 | KCC60007 | CAP - COMPRESSION SIDE | | |
| 18 | | SPACER – PRELOAD | | |
| 19 | KCC60024 | FORK SPRING .24 KG/MM | | |
| | KCC60026 | FORK SPRING .26 KG/MM STANDARD | | |
| | KCC60028 | FORK SPRING .28 KG/MM HEAVY | | |
| 20 | | FORK LEG INNER – BRAKE SIDE | | |
| 21 | KCC60014 | FORK GUARDS – PAIR (3 BOLT STYLE) | | |
| 22 | HCBC0601 | 6MM X 16 SHCS | | |
| 23 | TCC60019 | SPACER – FORK GUARD MOUNTING | | |
| 24 | BCC60015 | CLAMP – BRAKE LINE | | |
| 25 | HCNS0601 | 6MM NUT | | |
| 26 | HCBC0612 | 6MM X 12 SHCS | | |
| 27 | BCC60013 | BRAKE BRACKET | | |
| 28 | HCBC0820 | 8X20MM SHCS | | |
| 29 | HCBC0812 | 8X12MM SHCS LOW HEAD | | |

Parts – Frame & Triple Clamps



| | Frame | | | | |
|------|----------------------|--|--|--|--|
| REF# | PART# | DESCRIPTION | | | |
| 1 | FACX6507 | FRAME WELDED ASSEMBLY 07 65 | | | |
| 2 | FAC60002 | SUBFRAME CX65 W/ BEARING RACES | | | |
| 3 | HCBB0835 | 8X35MM BUTTON HEAD SCREW (2 REQ'D) – TOP MOUNT | | | |
| 4 | HCFH0825 | 8X25MM FLAT HEAD CAP SCREW – (2 REQ'D) – BOTTOM MOUNT | | | |
| 5 | FCC60020 | CHAIN ROLLER W BEAR & SEALS | | | |
| - 3 | BCDC0153 | WASHER | | | |
| 6 | TCMU0039 | FOOTPEG SET ULTRA WIDE CX65 | | | |
| 0 | TCC60012 | FOOTPEG SET OLTRA WIDE CX65 FOOTPEG SPRING ULTRA WIDE 07 (2 REQ'D) | | | |
| | HCBH0840 | 8MM X 40 HEX HEAD 30MM NO THRD – FOOTPEG (2 REQ'D) | | | |
| | HCWF0803 | ONINI X 40 HEX HEAD SUMINI NO THRD - FOOTPEG (2 REQ D) | | | |
| | HCNL0802 | OMM LOCKNIT FOOTDEC (2 DEC/D) | | | |
| 7 | | 8MM LOCKNUT – FOOTPEG (2 REQ'D) | | | |
| / | WCKG0011 HCWF1202 | SWINGARM PIVOT BOLT 12MM FLAT WASHER | | | |
| | | | | | |
| _ | HCNL1201 | 12MM LOCKNUT | | | |
| 8 | HCBH0865 | 8X65MM HEX HEAD – FRONT ENGINE MOUNTS (2 REQ'D) | | | |
| | HCWF0801 | 8MM FLAT WASHER – FRONT ENGINE MOUNTS (4 REQ'D) | | | |
| | HCNL0801 | 8MM LOCKNUT – FRONT ENGINE MOUNTS (2 REQ'D) | | | |
| 9 | HCBH0807 | 8X20MM HEX HEAD – STEERING STOP (2 REQ'D) | | | |
| 4.0 | HCNS0801 | 8MM NUT – STEERING STOP (2 REQ'D) | | | |
| 10 | FAC60001 | TRIPLE CLAMP BOTTOM W/STEM | | | |
| | FCMU0001 | STEERING STEM | | | |
| 11 | HCBC0625 | 6X25MM FOR BOTTOM CLAMP (6 REQ'D) | | | |
| 12 | FCMU1103 | DUST COVER STEER STEM, RUBBER (2 REQ'D) | | | |
| | FCMU0004 | BEARING – STEERING TAPERED | | | |
| | FCMU0011 | RACE – STEERING BEARING | | | |
| 13 | HCNJ0102 | JAM NUT STEERING STEM (2 REQ'D) | | | |
| 14 | FCC60002 | TRIPLE CLAMP TOP | | | |
| 15 | HCBC0603 | 6X30MM SHCS FOR TOP CLAMP (4 REQ'D) | | | |

Parts – Front Wheel & Brakes



| | 10 | |
|-----------|-----------|---|
| | | Front Brakes |
| REF# | PART# | DESCRIPTION |
| 1 | WAC6FR01B | WHEEL 14" FRONT W BEARINGS (NO TIRE, OR TUBE,), BLACK |
| | WCC6F014B | TIRE-BRDGESTNE-60/100-14M39 |
| | WCC6F014D | TIRE-DUNLOP-60/100-14 756 |
| | WCDCHB01 | HUB FOR CX65 – FRONT |
| | WCMU1400B | 14" RIM, BLACK |
| | WCDCTU14 | TUBE – 60/100-14 FRONT |
| | WCDC0009 | RIM LINER 14" WHEEL |
| | WCDC0002 | SPOKE-FRONT WHEEL-65 |
| | WCDC0011 | NIPPLE-SPOKE 9GA. STAINLESS |
| 2 | WCC60008 | AXLE FRONT 07 65 STEEL |
| NOT SHOWN | HCNL1402 | NUT, FRONT AXLE |
| 3 | WCMU0120 | BEARING, WHEEL-SEALED |
| 4 | WCC60006 | SPACER WHEEL BEARING FRONT |
| 5 | WCC60002 | WHEEL SPACER 07 65 FRNT LEFT |
| 6 | BCC60003 | BRAKE ROTOR FRONT |
| 7 | HCBC0612 | 6X12MM SHCS (4 REQ'D) |
| 8 | BAC60002 | BRAKE ASSEMBLY FRONT AJP |
| 9 | HCBC0850 | 8X50MM SHCS |
| 10 | HCBC0820 | 8X20MM SHCS |
| | BCC60021 | CALIPER ADJUSTMENT SHIMS 8MM ID |
| NOT SHOWN | BCC60013 | BRAKE BRACKET |
| NOT SHOWN | HCBC0820 | 8X20MM SHCS |
| NOT SHOWN | HCBC0812 | 8X12MM SHCS LOW HEAD |
| | MCMUZT04 | TIE WRAP (2 REQ'D) |
| ACCESSORY | BCC60006 | REPLACEMENT HOSE - |
| ACCESSORY | BCC60024 | BRAKE PADS |
| ACCESSORY | BCC60008 | BRAKE LEVER – (OBSOLETE - MUST PURCHASE BAC60010) |
| ACCESSORY | BCC60009 | MASTER CYLINDER - (OBSOLETE - REPLACED BY BAC60010) |
| ACCESSORY | BCC60010 | CALIPER PISTON REBUILD KIT FRONT |
| ACCESSORY | BCC60011 | CALIPER |

Parts -Bodywork



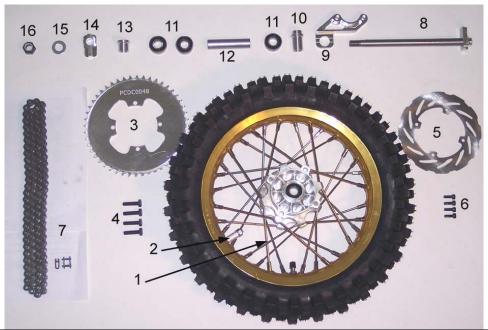
| Plastic and Seat | 1 | | | |
|--|------------------|----------|---|--|
| NOT SHOWN | Plastic and Seat | | | |
| TCC60020 | REF# | | | |
| NOT SHOWN HCBF0616 FENDER BOLT, M6X16 FLANGE HEAD (4 REQ'D) NOT SHOWN TCC600021 SPACER – FRONT FENDER BOLT 2 TCC600022 NUMBER PLATE – FRONT NOT SHOWN HCBF0612 M6X12 FLANGE HEAD BOLT – FRONT NUMBER PLATE MOUNT 3 TCC60003 RADIATOR SHROUDS – PAIR NOT SHOWN HCBC0501 M5X12 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD – SHROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK NOT SHOWN TCHA0002 CAP – FUEL CAP NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL LINE NOT SHOWN <td>NOT SHOWN</td> <td>TCC62009</td> <td>GRAPHIC KIT</td> | NOT SHOWN | TCC62009 | GRAPHIC KIT | |
| NOT SHOWN TCC60021 SPACER - FRONT FENDER BOLT 2 TCC60002 NUMBER PLATE - FRONT NOT SHOWN HCBF0612 M6X12 FLANGE HEAD BOLT - FRONT NUMBER PLATE MOUNT 3 TCC60003 RADIATOR SHROUDS - PAIR NOT SHOWN HCSP0003 PLASCREW - SHROUDS TO TANK (4 REQ'D) NOT SHOWN HCBC0501 M5X12 SOCKET HEAD - SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD - SHROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 SMM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) ST CANDON TCH00002 CAP - FUEL TANK TCH00003 HOSE - FUEL CAP ST CANDON TCH00004 SPACER - SEAT MOUNT NOT SHOWN TCH00005 SPACER - SEAT MOUNT SHOWN HCFH0620 M6X20 FLAT HEAD - FRONT SEAT MOUNT NOT SHOWN TCH00006 SPACER - SEAT MOUNT NOT SHOWN TCH00006 SPACER - FRONT TANK MOUNT NOT SHOWN TCH00016 SPACER - FRONT TANK MOUNT NOT SHOWN TCM00151 FUEL PETCOCK NOT SHOWN TCM00151 FUEL PETCOCK NOT SHOWN MCMUCL04 HOSE CLAMPS - FUEL LINE (2 REQ'D) TAC60001 SEAT NOT SHOWN TCC60018 SPECIAL WASHER - SEAT HOLDING NOT SHOWN TCC60016 M6X20 FLANGE HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60016 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) TCC60007 FENDER - REAR M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 5MM (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCR | 1 | TCC60020 | FRONT FENDER | |
| TCC60002 | NOT SHOWN | HCBF0616 | FENDER BOLT, M6X16 FLANGE HEAD (4 REQ'D) | |
| NOT SHOWN HCBF0612 M6X12 FLANGE HEAD BOLT – FRONT NUMBER PLATE MOUNT 3 TCC60003 RADIATOR SHROUDS – PAIR NOT SHOWN HCSP0003 PLASCREW – SHROUDS TO TANK (4 REQ'D) NOT SHOWN HCBC0501 M5X12 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD – SHROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN HCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0006 SPACER – SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN TCHA0006 FUEL PETCOCK NOT SHOWN RCG60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN TCC60015 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60016 M5X | NOT SHOWN | TCC60021 | SPACER – FRONT FENDER BOLT | |
| 3 | 2 | TCC60002 | NUMBER PLATE – FRONT | |
| NOT SHOWN HCSP0003 PLASCREW – SHROUDS TO TANK (4 REQ'D) NOT SHOWN HCBC0501 M5X12 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD – SHROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN HCBC0616 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBC0516 | NOT SHOWN | HCBF0612 | M6X12 FLANGE HEAD BOLT – FRONT NUMBER PLATE MOUNT | |
| NOT SHOWN HCBC0501 M5X12 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) NOT SHOWN HCBC0516 M5X16 SOCKET HEAD-STROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) NOT SHOWN MCC60018 SPECIAL WASHER – SEAT HOLDING NOT SHOWN HCBC0616 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBC0516 M5X16 SOC | 3 | TCC60003 | RADIATOR SHROUDS – PAIR | |
| NOT SHOWN HCBC0516 M5X16 SOCKET HEAD-STROUDS TO RAD & EXH (2 REQ'D) NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING NOT SHOWN HCBC0616 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60007 FENDER – REA | NOT SHOWN | HCSP0003 | PLASCREW – SHROUDS TO TANK (4 REQ'D) | |
| NOT SHOWN HCCN0000 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC600012 FUEL LINE NOT SHOWN MCB00625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WAS | NOT SHOWN | HCBC0501 | M5X12 SOCKET HEAD – SHROUDS TO FRAME (2 REQ'D) | |
| NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (4 REQ'D) 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC600012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) | NOT SHOWN | HCBC0516 | M5X16 SOCKET HEAD-STROUDS TO RAD & EXH (2 REQ'D) | |
| 4 TCC60009 FUEL TANK 5 TCHA0002 CAP – FUEL TANK NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) | NOT SHOWN | HCCN0000 | 5MM EXTRUDED "U" NUT TO RAD & EXH (2 REQ'D) | |
| 5 TCHA0002 CAP - FUEL TANK NOT SHOWN TCHA0003 HOSE - FUEL CAP NOT SHOWN TCHA0005 SPACER - SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD - FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER - FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS - FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW - SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER - SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE - PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT - SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW - FENDER TO AIRBOX (2 REQ'D | NOT SHOWN | TCC60017 | BODY PANEL WASHER 5MM (4 REQ'D) | |
| NOT SHOWN TCHA0003 HOSE – FUEL CAP NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BOD | 4 | TCC60009 | FUEL TANK | |
| NOT SHOWN TCHA0005 SPACER – SEAT MOUNT NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) | 5 | TCHA0002 | CAP – FUEL TANK | |
| NOT SHOWN HCFH0620 M6X20 FLAT HEAD – FRONT SEAT MOUNT NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) | NOT SHOWN | TCHA0003 | HOSE – FUEL CAP | |
| NOT SHOWN TCHA0006 SPACER – FRONT TANK MOUNT NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) | NOT SHOWN | TCHA0005 | SPACER – SEAT MOUNT | |
| NOT SHOWN HCBF0630 6MM X 30 FLANGE HEAD BOLT NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) | NOT SHOWN | HCFH0620 | M6X20 FLAT HEAD – FRONT SEAT MOUNT | |
| NOT SHOWN TCMU0151 FUEL PETCOCK NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | TCHA0006 | SPACER – FRONT TANK MOUNT | |
| NOT SHOWN RCC60012 FUEL LINE NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | HCBF0630 | 6MM X 30 FLANGE HEAD BOLT | |
| NOT SHOWN MCMUCL04 HOSE CLAMPS – FUEL LINE (2 REQ'D) 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCSP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | TCMU0151 | FUEL PETCOCK | |
| 7 TAC60001 SEAT NOT SHOWN HCBC0625 M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | RCC60012 | FUEL LINE | |
| NOT SHOWNHCBC0625M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDINGNOT SHOWNTCC60018SPECIAL WASHER – SEAT HOLDING8TCC60005SIDE NUMBER PLATE – PAIRNOT SHOWNHCBC0516M5X16 SOCKET HEAD CAP SCREW (3 REQ'D)NOT SHOWNHCBF0630M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D)NOT SHOWNTCC60017BODY PANEL WASHER 5MM (3 REQ'D)NOT SHOWNTCC60016BODY PANEL WASHER 6MM (2 REQ'D)9TCC60007FENDER – REARNOT SHOWNHCSP0003PLASCREW – FENDER TO AIRBOX (2 REQ'D)NOT SHOWNHCBC0516M5x16 SOCKET HEAD CAP SCREW (2 REQ'D)NOT SHOWNHCWP0002WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | MCMUCL04 | HOSE CLAMPS – FUEL LINE (2 REQ'D) | |
| NOT SHOWN TCC60018 SPECIAL WASHER – SEAT HOLDING 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | 7 | TAC60001 | SEAT | |
| 8 TCC60005 SIDE NUMBER PLATE – PAIR NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | HCBC0625 | M6X25 SOCKET HEAD CAP SCREW – SEAT HOLDING | |
| NOT SHOWN HCBC0516 M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | TCC60018 | SPECIAL WASHER – SEAT HOLDING | |
| NOT SHOWN HCBF0630 M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | 8 | TCC60005 | SIDE NUMBER PLATE – PAIR | |
| NOT SHOWN TCC60017 BODY PANEL WASHER 5MM (3 REQ'D) NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | HCBC0516 | M5X16 SOCKET HEAD CAP SCREW (3 REQ'D) | |
| NOT SHOWNTCC60016BODY PANEL WASHER 6MM (2 REQ'D)9TCC60007FENDER – REARNOT SHOWNHCSP0003PLASCREW – FENDER TO AIRBOX (2 REQ'D)NOT SHOWNHCBC0516M5x16 SOCKET HEAD CAP SCREW (2 REQ'D)NOT SHOWNHCWP0002WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | HCBF0630 | M6X30 FLANGE HEAD BOLT – SILENCER (2 REQ'D) | |
| NOT SHOWN TCC60016 BODY PANEL WASHER 6MM (2 REQ'D) 9 TCC60007 FENDER – REAR NOT SHOWN HCSP0003 PLASCREW – FENDER TO AIRBOX (2 REQ'D) NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | TCC60017 | BODY PANEL WASHER 5MM (3 REQ'D) | |
| NOT SHOWNHCSP0003PLASCREW – FENDER TO AIRBOX (2 REQ'D)NOT SHOWNHCBC0516M5x16 SOCKET HEAD CAP SCREW (2 REQ'D)NOT SHOWNHCWP0002WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | TCC60016 | BODY PANEL WASHER 6MM (2 REQ'D) | |
| NOT SHOWN HCBC0516 M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | 9 | TCC60007 | FENDER – REAR | |
| NOT SHOWN HCWP0002 WASHER - BODY PANEL FLAT (2 REQ'D) | NOT SHOWN | HCSP0003 | PLASCREW – FENDER TO AIRBOX (2 REQ'D) | |
| \ ' ' / | NOT SHOWN | HCBC0516 | M5x16 SOCKET HEAD CAP SCREW (2 REQ'D) | |
| NOT SHOWN HCHA0003 CLIP NUT – 6MM | NOT SHOWN | HCWP0002 | WASHER - BODY PANEL FLAT (2 REQ'D) | |
| | NOT SHOWN | HCHA0003 | CLIP NUT – 6MM | |

Parts – Rear Brake



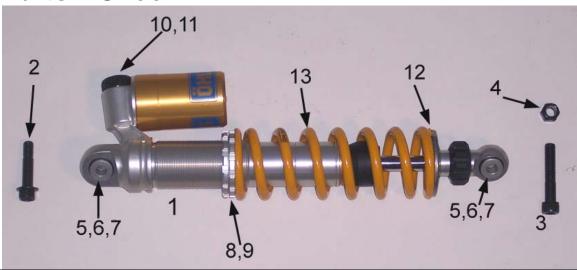
| Rear Brake System | | | | |
|-------------------|----------|--|--|--|
| REF# | PART# | DESCRIPTION | | |
| 1 | BAC60003 | BRAKE ASSEMBLY REAR 2009 | | |
| | BCEX0028 | CALIPER – REAR BRAKE | | |
| | BCKG0012 | MASTER CYLINDER - REAR | | |
| | BCMU0217 | HOSE - REPLACEMENT | | |
| 2 | BCC60018 | CALIPER BRACKET REAR | | |
| 3 | HCBC0601 | 6X16CS (2 REQ'D) | | |
| 5 | HCBF0620 | 6X20 FLANGE HEX-8MM HEAD | | |
| 6 | HCCC0005 | BRAKE - HOSE GUIDE | | |
| 7 | HCPP0832 | #8X1/2 SELF TAPING SCREW | | |
| 8 | BCDC0009 | BRAKE PEDAL PIVOT BOLT | | |
| 9 | BCC60025 | BRAKE PEDAL-STEEL-BENT | | |
| 10 | BAC60004 | BRAKE PUSH ROD ASSEMBLY (65) | | |
| 14 | BCMU0501 | SEAL-BRAKE PEDAL | | |
| 15 | BCMUSP02 | SPRING, REAR BRAKE PEDAL | | |
| 16 | FCEX0018 | BRAKE ADJUST ECCENTRIC | | |
| 17 | HCBC0612 | 6X12 SHCS | | |
| 18 | BCC60004 | BRAKE ROTOR REAR | | |
| 19 | HCBB0616 | 6X16 BUTTON WITH THREAD LOCK rotor bolts | | |
| ACCESSORY | BCEX0025 | BRAKE PADS | | |
| ACCESSORY | BCKG0031 | BLEED KIT (MULTIPLE SYRINGES, FITTINGS & HOSE) | | |
| ACCESSORY | BCKG0015 | MASTER CYLINDER PISTON / SEAL KIT | | |
| ACCESSORY | BCKG0016 | RESERVOIR SEAL KIT | | |
| ACCESSORY | BCEX0034 | BANJO BOLT 8MM (CALIPER END) | | |
| ACCESSORY | BCEX0029 | CRUSH WASHER 8MM (CALIPER END) | | |
| ACCESSORY | BCMU0220 | BANJO BOLT 6MM (MASTER CYLINDER END) | | |
| ACCESSORY | ZCMUOR09 | O'RING BANJO SEAL 6MM (MASTER CYLINDER END) | | |

Parts – Rear Wheel



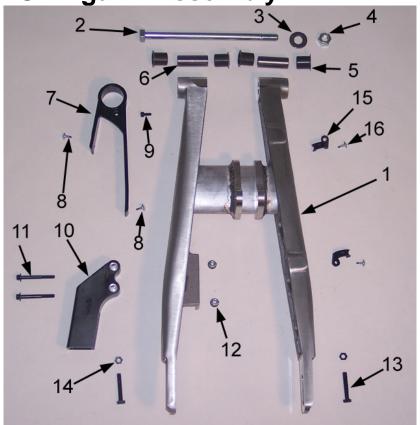
| Rear Wheel | | | | |
|------------|----------------|---|--|--|
| REF# | PART# | DESCRIPTION | | |
| | 14/4 000 004 0 | WHEEL 12" REAR W BEARINGS (NO TIRE, TUBE, ROTOR OR SPROCKET), | | |
| 1 | WAC6RR01B | BLACK | | |
| | WCC6R012B | TIRE-BRDGESTNE-80/100-12M40 | | |
| | WCC6R012D | TIRE – DUNLOP- 80/100-12 756 | | |
| | WCDCHB02 | HUB FOR CX65-REAR | | |
| | WCMU1200B | 12" RIM, BLACK | | |
| | WCDCTU12 | TUBE-275-80/100-12 REAR | | |
| | WCDC0010 | RIM LINER 12" WHEEL | | |
| | WCDC0003 | SPOKE-REAR WHEEL-65 | | |
| | WCDC0011 | NIPPLE-SPOKE 9GA. STAINLESS | | |
| | WCMU0109 | WASHER-NIPPLE (NOT REQUIRED ON ALL MODELS) | | |
| 2 | WCDC0001 | RIM LOCK FOR REAR WHEEL (32 REQ'D) | | |
| | WCDC0008 | RIM LOCK SPACER-DC65 | | |
| | HCNS0801 | 8MM NUT | | |
| | HCWF0801 | 8MM FLAT WASHER | | |
| 3 | PCDC00xx | SPROCKET – xx denotes number of teeth | | |
| 4 | HCBH0825 | 8X25MM HEX HEAD (4 REQ'D) | | |
| 5 | BCC60004 | BRAKE ROTOR REAR | | |
| 6 | HCBC1616 | 6X16 SHCS WITH THREAD LOCK (4 REQ'D) | | |
| 7 | PCMU0116 | CHAIN 420H 116 LINK CX65 14/48 | | |
| 8 | WCC60004 | AXLE REAR 07 65 | | |
| 9 | BCC60018 | CALIPER BRACKET REAR AJP | | |
| 10 | WCC60003 | WHEEL SPACER 07 65 REAR RIGHT | | |
| 11 | WCMU0120 | BEARING, WHEEL | | |
| 12 | WCC60007 | SPACER WHEEL BEARING REAR | | |
| 13 | WCC60005 | WHEEL SPACER 07 65 REAR LEFT | | |
| 14 | GCC60010 | CHAIN ADJUST BLOCK OFFSET | | |
| 15 | HCWF1400 | 14MM FLAT WASHER | | |
| 16 | HCNL1402 | 14MM LOCKNUT | | |
| | | | | |

Parts – Shock



| Shock | | | | |
|-------|-----------|---|--|--|
| REF# | PART# | DESCRIPTION | | |
| 1 | SAAX2007 | SHOCK ABSORBER - CX65 | | |
| 2 | HCBF1040 | 10X44 ENG FAST FLANGE HEAD | | |
| 3 | HCBH1055 | 10X55 HEX HEAD BOLT | | |
| 4 | HCNL1001 | 10MM LOCKNUT-REGULAR | | |
| 5 | SCKGOH03 | BALL JOINT | | |
| 6 | SCKGOH11 | O-RING FOR BALL JOINT | | |
| 7 | SCKGOH02 | SPACER FOR BALL JOINT | | |
| 8 | SCKGOH04 | SPRING PLATFORM (UPPER THREADED) | | |
| 9 | SCKGOH05 | LOCKNUT | | |
| 10 | SCC60001 | KNOB FOR ADJUSTMENT | | |
| 11 | SCKGOH21 | SCREW FOR KNOB | | |
| 12 | SCKGOH01 | SPRING PLATFORM (LOWER NONTHREADED) | | |
| 13 | SCC60240P | SPRING EXTRA LIGHT 240 LB/IN (42N/mm) (WHITE) | | |
| | SCC60260P | SPRING LIGHT 260 LB/IN (45 N/mm) (BLACK) | | |
| | SCEX1300 | SPRING HEAVY 300 LB/IN (53 N/mm) (RED) | | |

Parts – Swingarm Assembly



| Swingarm | | |
|----------|----------|---|
| REF# | PART# | DESCRIPTION |
| 1 | GACX6507 | SWINGARM WELDED ASSY ALUMINUM |
| 2 | GCC60015 | BOLT - SWINGARM PIVOT |
| 3 | HCWF1202 | 12MM WASHER – SWINGARM PIVOT |
| 4 | HCNL1201 | 12MM LOCK NUT – SWINGARM PIVOT |
| 5 | GCC60002 | SWINGARM BUSHING 07 65 (4 REQ'D) |
| 6 | GCC60001 | SWINGARM PIVOT TUBE SPACER 07 65 J(2 REQ'D) |
| 7 | TCC60004 | CHAIN SLIDER TOP FOR SWINGARM |
| 8 | HCPP0832 | #8X1/2 SELF TAPING SCREW (2 REQ'D FOR CHAIN SLIDER) |
| 9 | HCBC0501 | 5X12MM SHCS – CHAIN SLIDER MOUNT |
| 10 | PCC60004 | CHAIN GUIDE (BOTTOM) CX65 |
| 11 | HCBF0645 | 6X45 FLANGE HEAD BOLT (2 REQ'D) |
| 12 | HCNL0601 | 6MM LOCK NUT (2 REQ'D) |
| 13 | HCNS0701 | 7MM NUT (2 REQ'D) |
| 14 | HCBH0701 | 7X35 HEX HEAD FULL THREAD (2 REQ'D) |
| 15 | HCCC0005 | BRAKE - HOSE GUIDE (2 REQ'D) |
| 16 | HCPP0834 | #8X3/4 SELF TAPING SCREW (2 REQ'D) |

Service

This portion of the manual is still under development. If you have questions please call the Cobra technical support line at 517 437 9100.

Engine Service

One method for determining whether the top end of your engine needs rebuilt is to perform a WOT (Wide Open Throttle) kicking compression test. Before performing the procedure please read the caution notes below.

CAUTION:

- There appears to be a wide range of variability in reading compression gauges across the country.
- The head volume of this Cobra Motorcycle is very small and so requires many kicks ~20 before you establish the most accurate reading possible.
- Because of the geometry of the spark plug used in this Cobra Motorcycle, the adapter used with your compression tester must have a similar volume protruding into the combustion chamber to establish an accurate value.
- Length of hose on the compression tester will affect the reading. The shorter the hose length the more accurate your reading will be.

Because of these difficulties in measuring an *absolute* compression value, a useful *relative* value can be achieved by testing your bike's compression with your own particular gauge after a new top end or when the bike is new so that you know what your particular gauge reads on a 'fresh' engine. When it has dropped to 90% of its original value the engine will be down on power and would benefit from a rebuild. When it's dropped to 80% it really needs rebuilt! Using the table below will help you determine monitor the condition of your top end.

| | Engine is Fresh Measured Value | Engine Down on Power Measured Value * 0.9 | Engine NEEDS Rebuilt Measured Value * 0.8 |
|-------------|-----------------------------------|--|--|
| Example | 110 psi | 110 psi * 0.9 = 99 psi | 110 psi * 0.8 = 88 psi |
| Your Values | | | |

Procedure for Compression Testing

- 1. Shut off the fuel petcock.
- 2. Install the compression gauge into the spark plug hole.
- 3. Hold the throttle to wide open, and kick repeatedly (approximately 20 times) or until the gauge reading does not increase in value with each kick.

Base Gasket Selection

Tools required

- 17mm wrench
- 1mm flexible solder material
- measurement calipers

When rebuilding the 'top end' of your Cobra motorcycle, care must be taken to ensure the proper squish clearance. Squish clearance is defined as the minimum distance between cylinder head and piston at TDC, and there are negative effects of either having too much or too little clearance. Since parts like the crank, connecting rod, cylinder head, piston, and crankcases all have varying tolerances, Cobra offers several different base gasket thickness' to ensure that you can always set the squish clearance of your engine to factory specifications.

For base gasket replacement use the code (see figure 21 for location) along with the table on the following page reorder the correct thickness gasket.



Figure 21

| Code | Supplied Base | | Cobra # |
|------|------------------|-------|-----------------------|
| | Gasket Thickness | | |
| # | mm | inch | Without silicone bead |
| 3- | 0.25 | 0.010 | ZCC60110 |
| 4 | 0.4 | 0.015 | ZCC60115 |
| 5 | 0.5 | 0.020 | ZCC60015 |
| 8 | 0.8 | 0.031 | ZCC60130 |

NOTE

Tolerances will affect the actual gasket thicknesses.

If during the course of the maintenance more parts than the base gasket are changed, the squish clearance should be measured, and possibly a different base gasket will be required.

The easiest way to measure squish clearance is with 1mm to 1.5mm thick flexible solder wire (available through most popular electronic stores). The process is as follows:

- Assemble the top end of the engine with either; 1) the crankcase stamp recommended base gasket or, 2) if assembling with a new set of cases assemble with a 0.4mm (0.015") base gasket, and torque the head nuts to the proper torque specifications leaving off the spark plug and ignition cover (piston rings can be left off to ease assembly).
- Carefully insert the solder wire though the spark plug hole, into the cylinder far enough such that the tip of the wire touches the left or right side cylinder wall (not the front or back as the piston will rock more and give incorrect measurement).
- Hold the wire at this position and rotate the crankshaft, by the flywheel nut (or kick lever) three revolutions to 'smush' the solder wire.

CAUTION:

If you rotate the flywheel nut in a counterclockwise direction there is a risk of loosening the nut.

- Pull out the wire and measure the solder thickness at the thinnest location near its tip accurately with the thin tips of calipers.
- Adjust base gasket thickness as necessary to get the desired value.

Upon completion, your final assembly squish clearance should agree with the chart below

Measured Squish Clearance (minimum) (These numbers only apply when measured as described above) 0.026" 0.028" 0.036" 0.66mm 0.71mm 0.91mm Damage Risk Loss Best performance will of of low risk occur performance damage

Fuel & Air System

Carburetor:

Tools recommended for carburetor service:

- Small flat head screwdriver
- WD-40
- 6mm socket

Your Cobra is equipped with an adjustable carburetor. Some finetuning may be needed according to weather condition and altitude. Proper jetting is *very* important for engine performance and engine life. Serious damage to the engine can occur if not properly adjusted.

IDLE ADJUSTMENT:

On the each side of the carburetor, there are two adjustment screws. The right side screw with the knurled head is the idle adjustment screw. To raise the idle, turn the screw in clockwise (in 1/4 turn increments) and rev the engine after each adjustment. To lower the idle, turn the screw counterclockwise.

TOP END JETTING:

Indications that the engine is running too rich (too much fuel for the air) are:

- Engine not revving out or blubbering at high RPMs.
- Engine will not 'clean out'
- Wet or black spark plug

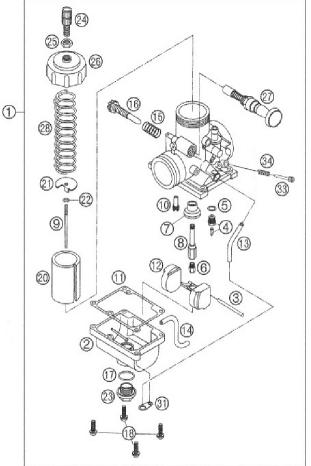
NOTE: Before changing jetting be sure that the air filter is properly cleaned and has the usual amount of air filter oil. An overly dirty air filter can cause the engine to run rich.

If the engine is running rich on the top end it should be leaned out. Leaning it out can be done by:

- 1. Changing the main jet to a smaller number.
- 2. Raising the needle clip (this lowers the jet needle) one notch at a time on the slide.

Indications that the engine is running too lean are:

• Engine cutting out on top end.



- Engine overheating and ultimately seizure.
- White spark plug

CAUTION:

It is much safer to operate the engine slightly rich as opposed to slightly lean. This is because an overly rich engine will just run poorly while an overly lean engine will seize, potentially causing an expensive top end rebuild and a DNF.

To richen the carburetor:

- 1. Change the main jet one number at a time (larger).
- 2. Lower the needle clip (raising the jet needle) one notch at a time until the engine starts to blubber on the top end, then move the clip back up one notch or until you get the blubber out.

FUEL MIXTURE SCREW

The left side brass screw is a fuel mixture (air) screw. This screw will also richen and lean your engine more on the bottom and mid-range. In warmer conditions, turn the screw in. In colder conditions, turn the screw out. Be sure to keep the carburetor very clean and make sure you don't have water or dirt in the carburetor bowl. Use automotive carburetor cleaner or WD-40 to clean the carburetor inside and out. Turning the screw in richens the mixture at partial throttle openings. Turing the screw out, leans it.

STOCK CARBURETOR SETTINGS

The 2009 CX65 stock carburetor settings from the factory are:

- 40 pilot jet
- 210 main jet

Cleaning the carburetor:

A WARNING

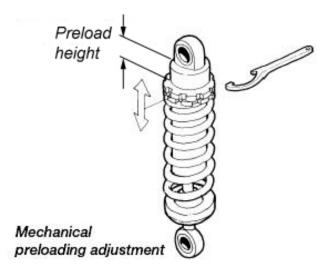
Clean the carburetor in a well-ventilated area, and take care that there is no spark or flame anywhere near the working area; this includes any appliance with a pilot light. Because of the danger of highly flammable liquids, do not use gasoline or low flash-point solvent to clean the carburetor.

- 1. Make sure the fuel is shut off.
- 2. Remove the carburetor.
- 3. Drain the fuel from the carburetor.
- 4. Disassemble the carburetor.
- 5. Immerse all the metal parts in a carburetor cleaning solution.
- 6. After the parts are cleaned, dry them with compressed air.
- 7. Blow out the fuel passages with compressed air.
- 8. Assemble the carburetor
- 9. Install the carburetor onto the motorcycle.

Rear Shock

The rear shock is fully serviceable but it is recommended that only trained professionals should service your shock. Contact Cobra or another qualified specialist (PR2, MCR, etc..) for questions and service of your CX65shock.

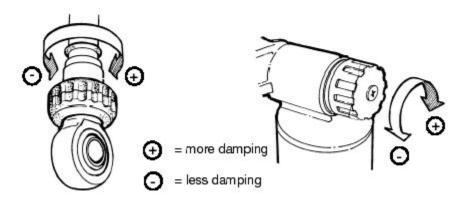
Shock preload



Shock Damping

11. Adjustment of rebound damping

12. Adjustment of compression damping



Tuning

Gearing

| | F===+ 0: | | | Rear | Gear |
|----|----------|---------|-----|----------|-------|
| | Front S | ргоскет | 4.5 | Sprocket | Ratio |
| | | | 15 | 37 | 2.47 |
| | | | 15 | 38 | 2.53 |
| | | | 15 | 39 | 2.60 |
| | | 14 | | 37 | 2.64 |
| | | | 15 | 40 | 2.67 |
| | | 14 | | 38 | 2.71 |
| | | | 15 | 41 | 2.73 |
| | | 14 | | 39 | 2.79 |
| | | | 15 | 42 | 2.80 |
| | 13 | | | 37 | 2.85 |
| | | 14 | | 40 | 2.86 |
| | | | 15 | 43 | 2.87 |
| | 13 | | | 38 | 2.92 |
| | | 14 | | 41 | 2.93 |
| | | | 15 | 44 | 2.93 |
| | 13 | | | 39 | 3.00 |
| | | 14 | | 42 | 3.00 |
| | | | 15 | 45 | 3.00 |
| | | | 15 | 46 | 3.07 |
| | | 14 | | 43 | 3.07 |
| | 13 | | | 40 | 3.08 |
| 12 | | | | 37 | 3.08 |
| | | | 15 | 47 | 3.13 |
| | | 14 | | 44 | 3.14 |
| | 13 | | | 41 | 3.15 |
| 12 | | | | 38 | 3.17 |
| | | | 15 | 48 | 3.20 |
| | | 14 | | 45 | 3.21 |
| | 13 | | | 42 | 3.23 |
| 12 | | | | 39 | 3.25 |
| 1 | | | 15 | 49 | 3.27 |
| | | 14 | .0 | 46 | 3.29 |
| | 13 | | | 43 | 3.31 |
| 12 | .0 | | | 40 | 3.33 |
| 12 | | | 15 | 50 | 3.33 |
| | | 14 | 10 | 47 | 3.36 |
| | 13 | 14 | | 44 | 3.38 |
| | 13 | | 15 | | |
| | | | 15 | 51 | 3.40 |

Suspension

Adjustment:

- 1. Front forks
 - 1.1. Fork oil
 - 1.1.1. Oil type
 - 1.1.1.1. Heavier weight oil more damping slower responding
 - 1.1.1.2. Lighter weight oil less damping quicker responding
 - 1.1.2. Oil quantity / level
 - 1.1.2.1. Greater quantity / higher level greater bottoming resistance, stiffer near the end of the travel.
 - 1.1.2.2. Smaller quantity / lower level less bottoming resistance, less stiff near the end of the travel.
 - 1.2. Fork spring
 - 1.2.1. Stiffer spring (higher spring rate) stiffer throughout the travel.
 - 1.2.2. Less stiff spring (lower spring rate) less stiff throughout the travel.
 - 1.3. Gas pressure always bleed off any pressure.
 - 1.4. Fork height
 - 1.4.1. Rise in clamps for quicker turning.
 - 1.4.2. Lower in clamps for improved straight line stability.
- 2. Rear shock
 - 2.1. Preload adjustment
 - 2.1.1. More preload (greater distance) less race sag.
 - 2.1.2. Less preload (smaller distance) more race sag.
 - 2.2. Shock spring
 - 2.2.1. Stiffer spring stiffer throughout the travel.
 - 2.2.2. Less stiff spring less stiff throughout the travel.
 - 2.3. Compression damping
 - 2.3.1. Harder (more damping, slower) adds resistance to the suspension motion when the suspension is compressing.
 - 2.3.2. Softer (less damping, quicker) reduces resistance to the suspension motion when the suspension is compressing.
 - 2.4. Rebound damping
 - 2.4.1. Harder (more damping, slower) adds resistance to the suspension motion when the suspension is returning to full length.
 - 2.4.2. Softer (less damping, quicker) reduces resistance to the suspension motion when the suspension is returning to full length

Front Forks Bottoming Too Frequently

Fork oil level

If the front forks bottom harshly more than a couple of times per lap and the fork springs are proper for the weight of rider (as detailed above), try raising the fork oil level in increments of 10mm. Raising the fork oil level, reduces the air volume, and increases the stiffness of the forks late in the travel, thus adding a progressive' feel.

Front forks feel too stiff over small bumps.

Fork oil weight

If the forks feel too stiff over small bumps try decreasing the weight (increasing the viscosity) of the fork oil.

Rear suspension troubleshooting.

Damping

Always start with standard settings and make damping changes in no more than two click increments and only make one change at a time.

| Symptom | Action |
|---|------------------------------|
| Rear end feels stiff on small bumps | Softer compression damping |
| Rear end 'sways' on straights | Harder compression damping |
| Bike tends to jump 'rear end high' | Harder rebound damping |
| Bike tends to jump 'rear end low' | Softer rebound damping |
| Frequent rear end bottoming | Harder compression damping |
| Bottoms after end of continuous bumps | Softer rebound damping |
| Rear end 'kicks' over square edge bumps | 1) Harder rebound, 2) Softer |
| | Compression |
| | |
| _ | |

Proactive Suspension Adjustments

Once you have the suspension adjusted for decent overall feel, you can make proactive adjustments when faced with different racing conditions.

| Situation | Actions |
|------------------|---|
| Sand track | Lower the rear end (increase race sag). |
| Sand track | Stiffer compression and rebound damping. |
| Long fast track | Lower the forks in the clamps by 3 mm. |
| Tight slow track | Raise the forks in the clamps by 3 mm. |
| Mud track | Lower the bike if the rider has difficulties touching the ground. |

Carburetion

Although your Cobra is sent from the factory with the carburetor jetted for optimal performance, you may find it necessary to adjustment your particular jetting due to current weather conditions, altitude, fuel variations, and/or engine modifications.

CAUTION:

Proper jetting is very important for engine performance and engine life. Symptoms of improper jetting are listed below.

- Symptoms of incorrect oil or oil / fuel ratio
 - Poor acceleration
 - Misfire at low engine speeds
 - Excessive smoke
 - Spark plug fouling
 - Excessive black oil dripping from exhaust system
- Symptoms of too rich a fuel mixture
 - Poor acceleration
 - Engine will not 'rev' out, blubbers on top
 - Misfire at low engine speeds
 - o Excessive smoke
 - Spark plug fouling
 - Wet, black, or overly dark spark plug (when removed for inspection)
- Symptoms of too lean a fuel mixture
 - Pinging or rattling
 - Erratic acceleration
 - Same actions as running out of fuel
 - High engine temperature
 - o White spark plug (when removed for inspection)

NOTE:

When inspecting the spark plug to evaluate jetting, a properly jetted machine will produce a spark plug that is dry and light tan in color.

| Environmental and altitude related mixture adjustments | | | |
|--|-----------------|---------------------|--|
| Condition | Mixture will be | Required adjustment | |
| Cold air | Leaner | Richer | |
| Warm air | Richer | Leaner | |
| Dry air | Leaner | Richer | |
| Very humid air | Richer | Leaner | |
| Low altitude | Standard | None | |
| High altitude | Richer | Leaner | |
| Low barometric pressure | Richer | Leaner | |
| High barometric pressure | Leaner | Richer | |

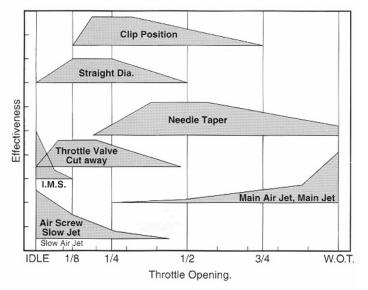
NOTE:

- Before making any carburetor jetting changes verify that:
 - You are using the proper fuel and oil
 - The fuel is fresh and uncontaminated
 - The oil and fuel have been mixed in the proper ratio
 - The carburetor is clean (no plugged jets)
 - The air filter is properly clean and oiled
 - The float height is within proper specification (proper measuring technique is described later in this section)

NOTE:

Perform all jetting changes on a motorcycle that has been warmed up to proper operating temperature.

The carburetor on your Cobra motorcycle is quite adjustable. Figure 49 shows its range of adjustment and in particular what adjustable component affects what range of operation (specifically throttle position).



FUEL SCREW ADJUSTMENT:

Adjust for throttle response

The air adjustment screw is located on the left side of the carburetor. It requires the use of a small flat blade screw driver for adjustment. After adjusting for proper throttle response, use the idle screw to adjust the desired idle speed.

NOTE:

If the air screw requires more than 3 turns out, replace the pilot jet for one that is one size leaner (smaller number) then readjust the fuel screw.

IDLE ADJUSTMENT:

Adjust for desired idle speed

The idle speed screw is located on the right side of the carburetor. It is hidden behind the exhaust stinger pipe and is barely reachable with a screwdriver. To raise the idle, turn the screw in, clockwise, (in 1/4 turn increments) and rev the engine after each adjustment. To lower the idle, turn the screw counterclockwise.

TOP END JETTING:

Adjust for clean full throttle acceleration

Jet your top end (main jet) based on the acceleration of your Cobra Motorcycle on the longest straight at the track. Observe any of the lean or rich symptoms (spark plug appearance and bike performance) listed above and change your jetting accordingly.

PART THROTTLE

Adjust for desired acceleration

Using an area of the track that allows the rider to operate and mid throttle and transition (accelerate, or 'roll on') from closed, or mostly closed throttle, to a larger throttle opening. Observe the rich and lean symptoms listed above. Adjust the jet needle position by moving the clip from its current position (move the clip higher on the needle to make the bike run leaner, or move the clip lower on the needle to make the bike run richer) to one higher or lower.

Troubleshooting

1) Engine operates erratically

- a) Carburetor top is installed backwards
- b) The carburetor slide indexing pin is missing
- c) A carburetor vent elbow is plugged or has fallen out
- d) Faulty stator
- e) An air leak
 - i) Base gasket
 - ii) Intake / reed gaskets
 - iii) Crank seals
 - iv) Crank case gasket

2) Engine is down on power

- a) Jetting is incorrect
- b) Silencer needs repacked
- c) Exhaust pipe
 - i) Has excess carbon buildup
 - ii) Has large dent in it
- d) Compression is low
 - i) Piston
 - ii) Rings
- e) Reeds are damaged
- f) Ignition timing is incorrect
- g) Stator needs replaced

3) Engine is excessively loud

a) Silencer needs repacking

4) Engine 'blubbers' at high RPMs

- a) Jetting too rich
- b) Stator needs replaced

5) Engine won't start

- a) Fuel
 - i) None in tank
 - ii) Is sour or bad

- b) Carburetor is dirty
- c) Ignition
 - i) Spark plug fouled
 - ii) Spark plug cap off
 - iii) Engine Shut-off 'kill' switch is shorted
 - iv) Bad electrical ground
 - v) Stator winding damaged
- d) Exhaust is plugged with object of flooded fuel
- e) Engine is flooded
- f) Cracked, broken, or jammed reed pedal
- g) Excessive piston or cylinder wear
- h) Clutch bolt or shoe dragging on basket (drum).

6) Engine won't idle

- a) Idle knob needs adjusted
- b) Carburetor jets are dirty
- c) Choke is stuck on
- d) Air leak

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