Mega 450 wiring diagram

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Contact Us. Sign Up. All fields are required. At least one newsletter must be selected. The entered e-mail addresses do not match. An unknown error occurred. Please try again later. When cheaper boards are available, why go with Arduino Mega? The main reason behind this is the additional features that are inbuilt with this board. Secondly, it has inbuilt RTC and other features like analog comparator, advanced timer, interrupt for controller wakeup mechanism to save more power and fast speed with 16 Mhz crystal clock to get 16 MIBS. It has more than 5 pins for Vcc and Gnd to connect other devices to Arduino Mega. Other features include JTAG support for programming, debugging and troubleshooting. It is also compatible with the different type of boards like high-level signal 5V or low-level signal 3. Brownout and watchdog help to make the system more reliable and robust. Due to the many numbers of pins, it is not usually used for common projects but you can find them in much more complex ones like Radon detectors , 3D printers, temperature sensing, IOT applications, real-time data monitoring applications etc. Arduino Mega has inbuilt reset circuit with push button to reset system and this pin can be used by other devices to reset controller. Digital Pins: From digital and analog can be use as input or output for digital transducer and output devices by pinMode for pin direction, digtalWrite to write pin and digitalRead to read pin status. Analog pins: From analog can be used as analog input pin for adc, if not used than it work as normal digital pin. It can be used by pinMode for pin direction, analogRead to read pin status and get digital value for analog signal, care must be taken for internal or external reference voltage selection and Aref pin. These pins are used for serial communication with SPI protocol for communication between 2 or more devices. SPI enable bit must be set to start communication with other devices. Function used are wire. Read to read i2c data and wire. Write to write i2c data. Digital pin can be used as PWM output with analogWrite to write pwm value from This pin is used for serial usart communication with pc or other system for data sharing and logging. It is used with serialBegin to set baud rate setting and start communication with serial. Println to print array of char on other device output. Two controller communication, pc and controller communication, debugging with usart by serial monitor. This pin is used for pin change interrupt. Enable bit of pinchange interrupt must be set with global interrupt enable. Digital pin 18 â€" 21,2,3 hardware interrupt is used for interrupt services. Hardware interrupt must be enabled with global interrupt enable to get interrupt from other devices. Push button for ISR program, wake up controller with external devices, sensors like ultrasonic and others. External Supply for Arduino Mega from range volt is given with this port. Arduino Mega R3 has a voltage regulator for 5v and 3. This is the main controller used to program and run task for the system. This is the brain of the system to control all other devices on board. This controller is used for communication between the main controller and other devices. This controller is programmed for USB communication and serial programming features. AVR is programmed to run the system and ATmega 8 is programmed for serial communication and programming. It has reset circuit with capacitor, button and resistor to reset the controller. A push button is used to get 4 cycle low signal on reset pin to get the controller in reset mode. It has a crystal circuit with two capacitors and one 16 Mhz crystal for xtal pins 1 and 2 interfacing with avr You may also try your own logic and implement programs for Arduino mega with basic C and Arduino function. Are you sure the SPI pins on this page are correct? Author john. February 22, Julz Moore 2 years ago. Submit Type above and press Enter to search. Press Esc to cancel. Quick Links. Table of Contents. Kawasaki klx d-tracker x motorcycle service manual pages. Page 5 All information contained in this publication is based on the latest product information available at the time of publication. Illustrations and photographs in this publication are intended for reference use only and may not depict actual model component parts. Fourth Edition 0 : March 12, Addi- tionally, Kawasaki has incorporated an evaporative emission control system 3 in compliance with applicable regulations of the United States Environmental Protection Agency. Page 9: How To Use This Manual Be alert for problems and non-scheduled which will help you distinguish different types maintenance. Page 10 instructions indicating which parts require spec- agent during assembly. Model Identification

General Specifications Unit Conversion Table To facilitate actual operations, notes, illustra- tions, photographs, cautions, and detailed descriptions have been included in each chapter wherever necessary. Gaskets, O-rings, Oil seals, Grease seals, circlips, cotter pins or self-locking nuts must be replaced with new ones whenever disassembled. Then tighten them according to the specified se- quence to prevent case warpage or deformation which can lead to malfunction. Be sure to maintain proper alignment and use smooth movements when installing. Ball Bearing and Needle Bearing Do not remove pressed ball or needle unless removal is absolutely necessary. Lubri- cation points are called out throughout this manual, apply the specific oil or grease as specified. Direction of Engine Rotation When rotating the crankshaft by hand, the free play amount of rotating direction will affect the adjustment. Overall Width mm Overall Height 1 mm Wheelbase 1 mm Road Clearance Tires Inspection If insufficiently tightened, a bolt or nut may become damaged, strip an internal thread, or break and then fall out. The following table lists the tightening toque for the major bolts and nuts, and the parts requiring use of a non-permanent locking agent or liquid gasket. Throttle Grip Free Play â€" â€" â€" 0. Follow the service manual to make sure to correct any of these conditions. If handlebar movement changes the idle speed, the throt- tle cable may be improperly adjusted or incorrectly routed, or it may be damaged. Clean the element in a well ventilated area, and take care that there is no spark or flame any- where near the working areas. Do not wring the ele- ment or blow it dry; the element can be damaged. If any of the parts of the element are damaged, replace them. If any water or dirt comes out, clean the carburetor, fuel filter, fuel tap and fuel tank. Visually inspect the hoses for signs of deterioration. Mark ness ness 2. The standard piston-to-cylinder clearance must be adhered to whenever the cylinder is replaced. If only a piston is replaced, the clearance may exceed the standard slightly. If the spark arrester is damaged, replace it with a new one. Inspect the chain for damage and proper adjustment before each ride. The brake fluid should also be changed if it becomes contaminated with dirt or water. Furthermore, the brake fluid should be changed to bleed the air quickly and completely whenever the brake line parts are removed. Chang- ing the rear brake fluid is the same as for the front brake. Torque - Caliper Bleed Valve: 7. The end of the gas reservoir cap must align [B] with the end of the gas reservoir [C]. Do not insert the seal assembly [B] yet. Pump the piston rod until all the air is forced out of the rear shock body. Refer to the Torque and Locking Agent section of the General Information chapter for torque specifications. Special Tool Throttle Grip and Cable Free Play Inspection Free Play Adjustment Throttle Cable Replacement Throttle Cable Lubrication Throttle Cable Inspection Hot Starter Cable Removal Hot Starter Cable 4. Throttle Cables 5. Throttle Grip 6. Carburetor Cap 7. Throttle Valve Plate 8. Fuel Tank Cap 5. Fuel Tank 6. Fuel Tap 7. Throttle Grip Free Play 0. Also, the throttle valve may not open fully at full throttle. Page Carburetor FUEL SYSTEM Carburetor Since the carburetor regulates and mixes the fuel and air going to the engine, there are two general types of carbure- tor trouble: too rich a mixture too much fuel , and too lean a mixture too little fuel. Such trouble can be caused by dirt, wear, maladjustment, or improper fuel level in the float chamber. Service Fuel Level below the bottom edge of the carb. If the fuel level is incorrect, adjust it. Measure the height with the carburetor upside down. If the needle is worn as shown right [C], replace the valve needle. If the rod does not come out fully by spring tension, re- place the valve needle. Also, coat the base where the lip of the element fits. Always stop the engine and do not smoke. Make sure the area is well-ventilated and free from any source of flame or sparks; Coolant Flow Chart Coolant Level Inspection Coolant Deterioration Inspection Coolant Draining Coolant Filling Air Bleeding Radiator Cap 2. Radiators 3. Reserve Tank Hose 4. Reserve Tank 5. Reserve Tank Over Flow Hose 6. Cylinder Head Jacket 7. Cylinder Jacket 8. Impeller 9. Hot Coolant Cold Coolant Permanent type antifreeze is used as a coolant to protect the cooling system from rust and corrosion. When the engine starts, the water pump turns and the coolant circulates. Change the coolant in accordance with the Periodic Maintenance Chart see Periodic Maintenance chapter. To avoid burns, do not remove the radiator cap or try to inspect the coolant level or change the coolant when the engine is still hot. Immediately wipe or wash out any coolant that spills on the frame, or engine. The maximum pressure is Torque - Radiator Hose Clamp Screws: 3. Valve Clearance Inspection.. Valve Removal Valve Installation Exhaust Intake Camshaft Journal, Camshaft 0. Cap Clearance Intake: Outer Inner Page Clean Air System U. Air Cleaner 2. Carburetor 3. Vacuum Switch Valve 4. View from A 5. Intake Air 6. Exhaust Gas 7. Secondary Air The push rod does not return to its original position once it moves out to take up camshaft chain slack. Observe all the rules listed below: When removing the tensioner, do not take out the mounting bolts only halfway. This will warp the cylinder head. Special Tool - Valve Guide Reamer, 5. This valve seat cutter is developed to grind the vale for repair. Therefore the cutter must not be used for other purposes than seat repair. Do not drop or shock the valve seat cutter, or the dia- mond particles may fall off. If the seat area is not in the right place on the

valve, check to be sure the valve is the correct part. If it is, it may have been refaced too much; Piston Ring Groove Width Standard: 1. Service Limit: 1. If any of the groove widths exceeds the service limit, re- place the piston. If the rings show weakness or deformation, replace the rings. Also if the pin hole groove shows excessive wear, replace the piston. Torque - Carburetor Holder Clamp Screws: 2. Do not re- move the muffler while it is hot. If car- bon has built up inside the silencer, exhaust efficiency is reduced, causing engine performance to drop. Special Tools Clutch Lever and Cable Clutch Lever Free Play Inspection Clutch Lever Free Play Adjustment Clutch Lever Installation Clutch Cable Removal Clutch Cable Installation Primary Gear 7. Push Rod Holder 8. Friction Plate Thickness 2. Friction Plate Warp 0. If removed, release shaft oil seal must be replaced with a new one. If they are damaged or if there are groove cuts in the areas that come in contact with the tangs, replace the housing. Replace the friction plates if their tangs are damaged as well. If ratchet [A], pawls [B], pins [C] or springs [D] are dam- aged in any way, replace them. Lubrication System Chart Engine Oil and Oil Filter Engine Oil Level Inspection Engine Oil Change Oil Filter Change Oil Screen Oil Screen feed 2. Oil Pump feed 3. Oil Pressure Relief Valve 4. Oil Filter 6. Check the oil level before each use and change the oil and filter according to the periodic maintenance chart. If the screen is damaged, replace it. Engine Removal Engine Installation Special Tool - Jack: WARNING When the swingarm pivot shaft is removed the swingarm and rear wheel assembly will become detached and allow the frame to fall to the floor, creating the potential for injury. Do not attempt to ride the motorcycle until a firm brake pedal is obtained by pumping the pedal until the pads are against the disc. Special Tools and Sealant Crankcase Disassembly Crankcase Assembly Clearance 0. Torque - Gear Set Lever Nut: 8. If flywheel misalignment cannot be corrected by the above method, replace the crank pin or the crankshaft itself. The torque limiter will not function if this is done. Circlip 7. Toothed Washer 8. Drive Shaft Shift Fork Ear Thickness 4. Standard: Service Limit: 4. Removal may damaged them. Instead of measuring, inspect the bearing for abrasion, color change, or other damage. If there is any doubt as to the condition of a needle bear- ing, replace it. Spokes 6. Front Tire 7. Rims 8. Front Axle 9. Rear Tire Radial TIR 1. Rim Size If the roughness or binding is found, replace the hub bear- ings. This can damage or warp the disc. Place blocks under the wheel so the disc does not touch the ground. Place blocks under the wheel so that the disc does not touch the ground. Engine Sprocket Cover 4. Engine Sprocket 5. Output Shaft 6. Chain Slipper 7. Swingarm 8. Chain Guide 9. Locknut Adjusting Bolt Chain Slack â€" â€" â€" Chain link Length mm Link Pin Outside Diameter 5. Standard: Link Plate Outside Width Never reuse old brake fluid. Do not use fluid from a container that has been left unsealed or that has been open for a long time. Air, however, is easily compressed. When air enters the brake lines, brake lever or pedal movement will be partially used in compressing the air. WARNING After servicing, it takes several applications of the brake lever or pedal before the brake pads contact the disc, which could result in increased stopping distance and cause an accident resulting in injury or death. Screw Air pressure in the fork legs increase with normal use, so the fork action stiffens during opera- tion. Release air pressure form the fork legs prior to each race through the pressure relief screw located in each front fork cap. The shock to fork seal separates the inner tube from the outer tube. Special Tool - Top Plug Wrench, 49 mm: WARNING The fork spring applies pressure to the adjuster as- sembly and can eject the special tool with substan- tial force if the tool is not properly and securely placed. If it has scratches or is bent, replace cylinder unit with a new one. If the spring of either fork leg is shorter than the service limit, it must be replaced. If the length of a replacement spring and that of the remaining spring vary greatly, the remaining spring should also be replaced in order to keep the fork legs balanced from motorcycle stability. It consists of a rear shock absorber, swing arm, tie-rod and rocker arm. To suit to various riding conditions, the spring preload of the shock absorber can be adjusted or the spring can be replaced with an optional one. If the damping feels too soft or too stiff, adjust it in accor- dance with the following table. Special Tool - Hook Wrench R Re- moval may damage them. Handlebar Clamp 7. Handlebar 8. Handlebar Holder 9. L: Apply a non-permanent locking agent. R: Replacement Parts Ignition Coil 3. Spark Plug Cap 4. Starter Button 5. Engine Stop Switch 6. Starter Lockout Switch 7. Battery 8. Main Relay 9. Igniter Meter Unit 4. Headlight 5. Speed Sensor 6. Tail Light 7. Gear Position Switch 8. Learn and ob- serve all the rules below. Such a shock to the parts can damage them. If any wiring is poor, replace the damaged wiring. If the connector is corroded or dirty, clean it carefully. Keep the battery away from sparks and open flames during charging. When using a battery charger, connect the battery to the charger before turning on the charger. Charge with current and time as stated below. There is a woodruff key in the crankshaft tapered portion. The starter motor clutch gear should turn clockwise [B] freely, but should not turn counterclockwise [C]. Do not touch the spark plug, ignition coil or high tension lead while the engine is running, or you could receive a severe electrical shock. Frame Ground 9. Starter Relay 2. Ignition Coil Main Fuse 20 A 3. Spark

Plug Battery 12 V 6 Ah 4. Frame Ground IC Igniter 5. Replace the starter motor with a new one if the commu- tator diameter is less than the service limit. Frame Ground 4. Main Fuse 20 A 7. Engine Starter Button 2. Starter Motor 5. Battery 12 V 6 Ah 8. Engine Stop Switch 3. Starter Relay 6. If the headlight beam points too low or high, adjust the vertical beam. Headlight 6. Main Fuse 20 A 2. Frame Ground 7. Battery 12 V 6 Ah 3. Flywheel Magneto 8. Tail Light 4. Main Relay 5. Starter Relay If the display does not shift, replace the meter unit. In the Hour set- ting mode, the numbers that represent the hours flash [A]. And in the Minute setting mode, the numbers that repre- sent the minutes flash [B]. Battery 12 V 6 A 2. Meter Unit 7. IC Igniter 3. Frame Ground 8. Main Relay 4. Starter Relay 9. Engine Starter Button 5. Main Fuse 20 A If the tester indicator does not flick, replace the speed sensor. Starter Button Lead 2. Throttle Cables 3. Marked AAA cable is accelerator side. Bands 5. Brake Hose 6. Engine Stop Switch Lead 7. Starter Lockout Switch Lead 8. Hot Starter Cable 9. Hot Starter Cable 2. Main Harness 3. Clamps 4. Run the throttle cables over the main harness. White Tape 6. Throttle Cables 7. Blue Tape 8. Clamps 9. Band Clutch Cable Throttle Cables 2. Clamp 3. Speed Sensor Lead Connector Gray 5. Fix the connector on the bracket. Clamp Put the sensor grommet into the clamp, and then fix it by crushing the clamp. Headlight Connector Black 2. Speed Sensor Lead Connector Gray 3. Meter Unit Connector Black Cap 4. Starter Lockout Switch Connector Green 5. Engine Stop Switch Connector White 6. Starter Button Lead Connector Black 7. Battery Negative â€" Cable Black 2. Starter Relay Connector Red 3. Starter Relay 4. Black Cap 5. Starter Motor Cable White 7. Tail Light Lead 8. Clamps Fix the tail light lead by twisting the clamps. Starter Motor Cable White 2. Run the starter motor cable over the harness. Tighten together the battery negative â€" cable and starter mounting bolt. Connect the starter motor cable to the starter motor terminal bolt. Brake Lever 2. Front Brake Master Cylinder 3. Front Brake Hose 4. Clamp 5. View from A-A 6. Clamps 7. Front Brake Caliper 8. Front Brake Disc 9. Brake Pedal Rear Brake Master Cylinder Breather Hose 2. Fuel Hoses 3. Run the breather hose over the fuel hoses. Stretch to the arrow mark without loosing the hose when mounting the fuel tank. Keep the gap of the chain guide roller and hoses 6. Reserve Tank Hose 2. Hot Starter Cable 3. Clutch Cable 4. Clamps 6. Run the reserve tank hose under the throttle cables and main harness. Vacuum Switch Valve Hose 2. Cylinder Head Cover 3. Front of the engine 4. White paint 5. Insert the vacuum switch valve hose to the white painted portion of the pipe. Clamps Face the tabs to the upper of the engine. Radiator Hose 2. Clamps Install the clamp as shown in the figure. Radiator Hose 4. Face the white painted portion to the right side of the engine. Clamp Install the clamp as shown in the figure. Fuel Hose 3. Carburetor 4. Clamp Run the vent hoses through the clamp on the backward of the crankcase. Part No. Print page 1 Print document pages. Cancel Delete. Sign In OR. Don't have an account? Sign up! Restore password. Upload from disk. Upload from URL. Quick Links. Table of Contents. Page 5 All information contained in this publication is based on the latest product information available at the time of publication. Illustrations and photographs in this publication are intended for reference use only and may not depict actual model component parts. Third Edition 1 : Jul. Special tools, gauges, and venient operation. Model Identification General Specifications Unit Conversion Table To facilitate actual operations, notes, illustra- tions, photographs, cautions, and detailed descriptions have been included in each chapter wherever necessary. Gaskets, O-rings, Oil seals, Grease seals, circlips or cotter pins must be replaced with new ones whenever disassembled. Tighten fasteners to the specified torque using a good quality torque wrench. Often, the tightening sequence is followed twice-initial tightening and final tightening with torque wrench. Replace with new ones whenever removed. Press bearings with the manufacturer and size marks facing out. Press the bearing into place by putting pressure on the correct bearing race as shown. Ro- tate the crankshaft to positive direction clockwise viewed from output side. Electrical Leads A two-color lead is identified first by the primary color and then the stripe color. Overall Width mm Overall Height 1 mm Wheelbase 1 mm Road Clearance mm Seat Height mm Dry Mass Oil Filter Change Breather Hose Inspection If insufficiently tightened, a bolt or nut may become damaged, strip an internal thread, or break and then fall out. The following table lists the tightening toque for the major bolts and nuts, and the parts requiring use of a non-permanent locking agent or liquid gasket. Throttle Grip Free Play â€" â€" â€" 0. Drive Chain Slack â€" If the idle speed is out of specified range, adjust it. Because of the danger of highly flammable liquids, do not use gasoline or low flash-point solvent to clean the tank. If whitish cotton-like wafts are observed, aluminum parts in the cooling system are corroded. If the coolant is brown, iron or steel parts are rusting. In either case, flush the cooling system. At this time, apply engine oil to the shim or the valve lifter to keep the shim in place during camshaft installation. If the cylinder is damaged or badly worn, replace it with a new one. If carbon has built up inside the muffler body, exhaust effi- ciency is reduced, causing engine performance to drop. A chain that breaks or jumps off the sprock- ets could snag on the engine sprocket or lock the rear wheel, severely damaging the motorcycle

and causing it to go out of control. The brake fluid should also be changed if it becomes contaminated with dirt or water. Furthermore, the brake fluid should be changed to bleed the air quickly and completely whenever the brake line parts are removed. Changing the rear brake fluid is the same as for the front brake. Torque - Caliper Bleed Valve: 7. Do not remove the locknut from the piston rod. Do not clamp the axle holder too tight. The end of the gas reservoir cap must align [B] with the end of the gas reservoir [C]. If it is deformed or damaged, replace it with a new one. If cable movement is not free after lubricating, if the cable is frayed [B], or if the cable housing is kinked [C], replace the cable. Special Tool Throttle Grip and Cable Throttle Cable Replacement Throttle Cable Lubrication Throttle Cable Inspection Hot Starter Cable 4. Throttle Cables 5. Throttle Grip 6. Carburetor Cap 7. Throttle Valve Plate 8. Throttle Grip Free Play 0. Also, the throttle valve may not open fully at full throttle. Page Carburetor FUEL SYSTEM Carburetor Since the carburetor regulates and mixes the fuel and air going to the engine, there are two general types of carbure- tor trouble: too rich a mixture too much fuel , and too lean a mixture too little fuel. Such trouble can be caused by dirt, wear, maladjustment, or improper fuel level in the float chamber. Service Fuel Level below the bottom edge of the carb. If the fuel level is incorrect, adjust it. Increasing the float height lowers the fuel level and decreasing the float height raises the fuel level. Because of the danger of highly flammable liquids, do not use gasoline or low-flash point solvent to clean the carburetor. If the fuel level is incorrect, inspect the rest of the carbu- retor before correcting it. If turn the adjusting screw of the acceleration pump, follow the procedure below. Also, coat the base where the lip of the element fits. Always stop the engine and do not smoke. Make sure the area is well-ventilated and free from any source of flame or sparks; Coolant Level Inspection Coolant Deterioration Inspection Coolant Draining Coolant Filling Air Bleeding Cooling System Pressure Testing Cooling System Flushing Water Pump Change the coolant in accordance with the Periodic Maintenance Chart see Periodic Maintenance chapter. WARNING To avoid burns, do not remove the radiator cap or try to inspect the coolant level or change the coolant when the engine is still hot. Soft or distilled water must be used with the antifreeze see below for antifreeze in the cooling system. The maximum pressure is kPa 1. Torque - Water Hose Clamp Screws: 1. Valve Installation Valve Guide Removal Valve Guide Installation Top Ring 7. Oil Ring 8. Exhaust Inlet Camshaft Journal Clearance 0. Camshaft Journal Diameter Cylinder Inside Diameter Piston Diameter Page Cylinder Head Cover [B]. The push rod does not return to its original position once it moves out to take up camshaft chain slack. Observe all the rules listed below: When removing the tensioner, do not take out the mounting bolts only halfway. This will warp the cylinder head. Special Tool - Valve Guide Reamer, 5. This valve seat cutter is developed to grind the vale for repair. Therefore the cutter must not be used for other purposes than seat repair. Do not drop or shock the valve seat cutter, or the dia- mond particles may fall off. If the seat area is not in the right place on the valve, check to be sure the valve is the correct part. If it is, it may have been refaced too much; Piston Ring Groove Width Standard: 1. Service Limit: 1. If any of the groove widths exceeds the service limit, re If the ring shows weakness or deformation, replace the ring. Also if the pin hole groove shows excessive wear, replace the piston. Wait until the muffler cools down. Special Tools Clutch Lever and Cable Clutch Lever Installation Clutch Cable Removal Primary Gear 7. Push Rod Holder 8. Clutch Lever Free Play â€" â€" â€" Clutch 2. Friction Plate Thickness 2. Friction Plate Warp 0. If they are damaged or if there are groove cuts in the areas that come in contact with the tangs, replace the housing. Special Tool - Gear Holder, m2. If the shaft is bent, straighten or replace it. If the splines are damaged, replace the shift mechanism. Lubrication System Chart Engine Oil and Oil Filter Engine Oil Level Inspection Engine Oil Change Oil Screen Scavenge Removal Oil Screen Scavenge Installation Oil Screen feed 2. Oil Pump feed 3. Oil Pressure Relief Valve 4. Oil Filter 6. If the screen is damaged, replace it. Engine Removal Engine Installation Special Tools and Sealant Crankcase Disassembly Crankcase Assembly Clearance 0. While maintaining the mating surfaces of the right and left crankcase halves constantly parallel, mate the crankcase halves evenly. If flywheel misalignment cannot be corrected by the above method, replace the crank pin or the crankshaft itself. Circlip small Collar 2. Circlip middle O-rings 2 3. Circlip large Oil Seal 4. Ball Bearing one side sealed Ball Bearing one side sealed 5. Circlip Oil Seal 2. Toothed Washer O-rings 3. Ball Bearing one side sealed 4. Collar 5. A bent fork may cause difficulty in shifting, or allow the transmission to jump out of gear when under power. Removal may damaged them. Instead of measuring, inspect the bearing for abrasion, color change, or other damage. If there is any doubt as to the condition of a needle bear- ing, replace it. Spokes 6. Front Tire 7. Rims 8. Radial TIR 1. TIR 0. If the axle is damaged or bent, replace it. This can damage or warp the disc. Place blocks under the wheel so the disc does not touch the ground. Place blocks under the wheel so that the disc does not touch the ground. Engine Sprocket 5. Output Shaft 6. Chain Slipper 7. Swingarm 8. Chain Guide 9. Locknut Adjusting Bolt Chain Slack â€" â€" â€" Chain link Length

mm Never reuse old brake fluid. Do not use fluid from a container that has been left unsealed or that has been open for a long time. Air, however, is easily compressed. When air enters the brake lines, brake lever or pedal movement will be partially used in compressing the air. WARNING Do not attempt to drive the motorcycle until a full brake lever or pedal is obtained by pumping the brake lever or pedal until the pads are against the disc. If the body does not slide smoothly, one pad will wear more than the other, pad wear will increase, and con- stant drag on the disc will raise brake and brake fluid tem- perature. If it is scratched or damaged, replace the disc. Replace the disc if it has worn past the service limit. Thickness Standard: 2. Screw Adjusting nut position from the center of the mounting hole Air pressure in the fork legs increase with normal use, so the fork action stiffens during opera- tion. Release air pressure form the fork legs prior to each race through the pressure relief screw located in each front fork cap. The shock to fork seal separates the inner tube from the outer tube. If it has scratches or is bent, replace cylinder unit with a new one. If the spring of either fork leg is shorter than the service limit, it must be replaced. If the length of a replacement spring and that of the remaining spring vary greatly, the remaining spring should also be replaced in order to keep the fork legs balanced from motorcycle stability. Also the damping force can be adjusted easily so changing oil viscosity unnecessary. If the damping feels too soft or too stiff, adjust it in accor- dance with the following table. Special Tool - Hook Wrench R Re- moval may damage them. If the sleeve is worn past the service limit, replace the sleeve. Handlebar Holder Upper 7. Handlebar 8. Handlebar Holder Lower 9. Front Fender Bolts 4. L: Apply a non-permanent locking agent. R: Replacement Parts Learn and ob- serve all the rules below. Such a shock to the parts can damage them. If any wiring is poor, replace the damaged wiring. If the connector is corroded or dirty, clean it carefully. Page Flywheel Magneto Be sure to install the dowel pins [A]. Do not touch the spark plug, ignition coil, or high tension lead while the engine is running, or you could receive a severe electrical shock. Unit in- spection. Special Tool - Hand Tester: If the switch has an open or short, repair it or replace it with a new one. Throttle Cables 6. Clutch Cable 2. Marked AAA cable is accelerator side. Clamp Clamp the clutch and hot starter 3. Band Hold the engine stop switch lead. Engine Stop Switch Lead 8. Clutch Cable Ignition Coil Ground Lead 2. Engine Stop Switch Lead Clamp Clamp the hot starter cable, en- 3. Hot Starter Cable gine stop switch lead and main harness. Unit Spark Plug Cap 6. Breather Hose 2. Clamp Clamp the carburetor drain and 7. Flywheel Lead air vent hoses. Align the clamp claw and white mark on 3. Clamp Clamp the gear position sensor the breather hose. Install the clamps as shown in the figure. Carburetor 2. Clamps Install the clamp screws as shown in the figure. Left Radiator 6. Joint Pipe 2. Right Radiator 7. Clamp Position the clamp claw to left 3. Water Hose to cylinder head side. Water Hose to water pump 8. Clamp Position the clamp claw down- 5. Brake Lever Rear Brake Master Cylinder 2. Front Brake Master Cylinder Rear Brake Hose 3. Front Brake Hose Clamps 4. Clamp Rear Brake Caliper 5. Viewed Rear Brake Caliper Guard 6. Page Engine Overheating APPENDIX Troubleshooting Guide Valve not seating properly valve bent, de- Valve not seating properly valve bent, de- formed, worn, or carbon accumulation on formed, worn, carbon accumulation on the seating surface the seating surface. Part No. This manual is also suitable for: Kxf Kxf Print page 1 Print document pages. Cancel Delete. Sign In OR. Don't have an account? Sign up! Restore password. Upload from disk. Upload from URL. Arduino mega reference design reterence designs are pro vided as is and wi th all faults disclaims all other warranties express or implied regarding products including but not limited to any implied warranties of merchantability or fitness fora particular purpose arduino may make changes to specifications and product descriptions at any. It has 54 digital inputoutput pins of which 15 can be used as pwm outputs 16 analog inputs 4 uarts hardware serial ports a 16 mhz crystal oscillator a usb connection a power jack an icsp header and a reset button. Arduino Mega Datasheet The product information on the web site or materials is subject to change without notice. Arduino mega schaltplan. Do not finalize a design with this information. The arduino mega is a microcontroller board based on the atmega datasheet. The official arduino mega r3 schematic. The arduino mega is an arduino microcontroller board based on the atmega datasheet. The arduino programming software on the arduino home website arduinocc comes with a folder called drivers and contains many inf files for allowing windows to properly use the device. It has 54 digital inputoutput pins of which 14 can be used as pwm outputs 16 analog inputs 4 uarts hardware serial ports a 16 mhz crystal oscil

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lator a usb connection a power jack an icsp header and a reset button. The arduino mega is a microcontroller board based on the atmega In order to do this go into your device manager by

right clicking on my computer and then clicking manage. The product information on the arduino website or material is subject to change without notice. Arduino reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. Arduino is a registered trademark. The arduino mega is a replacement of the old arduino mega and so in general reference it will be called without the extension. Wiring Diagram For 3 Way Switch. Led Tube Light Wiring Diagram. Skip to content. The product information on the web site or materials is subject to change without notice. Wemos Mega Schematic. Alarm Clock Arduino Project Hub. Arduino Mega Mentor Graphics. Elecfreaks Elecfreaks Wiki. Project Solderpad. Share this: Facebook Tweet WhatsApp.