

Canon eos rebel t2i 550d digital field guide

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Is Canon T2i the same as 550D? The Canon EOS 550D is an 18.0-megapixel digital single-lens reflex camera, announced by Canon on 8 February 2010. It was available since 24 February 2010, and to US dealers from early March. It is known as the EOS Kiss X4 in Japan, and as the EOS Rebel T2i in the Americas.

How do I change the depth of field on my Canon Rebel? The higher the f/number, the wider the depth of field where sharper focus is obtained in both the foreground and background. Turning the 6> dial to the right will set a higher f/number (smaller aperture opening), and turning it to the left will set a lower f/number (larger aperture opening).

Is Canon T2i full frame or crop? The sub-frame sensor on the Canon Rebel T2i means that it has a smaller angle of view (by a factor of 1/1.6) than a full-frame camera with any given lens. While most properly called a "crop factor," the 1.6x ratio is more commonly referred to as the "focal length multiplier" since that's how it works in practice.

Does the Canon 550D shoot 4K? The EOS 550D combines exceptional still shooting with the ability to shoot Full HD (1080p) video.

How old is the Canon EOS Rebel T2i? The Canon EOS Rebel T2i shipped from February 2010, with kit pricing set at US\$899, including the same EF-S 18-55mm f/3.5-5.6 IS kit lens that previously shipped with the T1i.

Is 600D better than 550D? Canon 550D's LCD screen is a fixed type which provides almost no flexibility in shooting positions compared to 600D. Both Canon 550D and Canon 600D have APS-C sized 18.0 MP resolution sensors so sensor size and resolution is not a differentiator between these two cameras.

Which Canon lens is best for depth of field? As with any large aperture lens depth-of-field (DOF) will be a problem. A 35mm lens will be a better choice but will be more expensive. A zoom is always the easiest to use but in a fast aperture will be even more expensive. So, if you can pull it off the Canon EF-S 17-55mm f/2.8 IS USM Lens would be my recommendation.

How to get more depth of field in Canon? The lens aperture is the easiest way to control depth of field. The rule is simple: the smaller the aperture (that is, the bigger the f-number), the greater the depth of field. For example, f/16 will give you a more extensive depth of field than f/4.

What settings affect depth of field? Depth of field depends on aperture, focus distance, focal length and circle of confusion (CoC). The latter depends on camera sensor size, final image print size, image viewing distance and viewer's visual acuity.

Is Canon 700D better than 550D? Our Decision Algorithm dynamically scores cameras using 69 different specs, current price and DxO Mark scores (where possible) in order to make a more objective and consistent comparison. Canon 700D has a higher Overall Score than the Canon 550D and would be our choice if we have to decide between these two cameras.

What are the names of the Canon T2i? Camera Finder / Canon / EOS REBEL T2i (also known as EOS Kiss X4, EOS 550D)

Does Canon T2i shoot raw? well, I think this camera doesn't benefit much from raw video.... I tried that, could get about 10-12 seconds with maximum resolution in 3x3, and it is somewhat ok... it's useable. but I always get a lot of red noise in the shadows, even with 100 iso. While I can use iso 400-800 for video with regular .

What lens does 550D use? The EOS 550D is an APS-C camera (aka crop body) so it can use the EF-S lenses which are less expensive than the EF lenses because they are designed with a smaller image circle in mind which is sized to work with the 24 mm x 16 mm Canon APS-C sensor as opposed to the EF lenses which are designed to provide an image ...

What is a conductometric titration lab report? Conductometric titration is a laboratory method of quantitative analysis used to identify the concentration of a

given analyte in a mixture.

What is the objective of conductometric titration? Conductometric titrations are used to determine water purity. It is used to check the levels of pollution present in different small water bodies like lakes, ponds or rivers. Conductometry can also be used to examine the salinity of seawater and the alkalinity of freshwater or freshwater bodies.

What are the errors expected in conductometric titration? Possible sources of error include: Failure to properly measure the volumes of the solutions used. Failure to titrate beyond the equivalence point (making determining the point at which the two solutes had completely reacted impossible).

What is the conductometric titration of weak acid vs strong base? Conductometric titration of weak acid (CH_3COOH) vs. strong base (NaOH). Initially a slight decrease in the conductance is caused by binding a small amount of hydrogen ions originating from dissociation of acetic acid and next an increase is observed because of well dissociated salt - ammonium acetate formation.

How do you write a titration lab report? Write about the reaction you will be using, including the equation and the conditions required. Include details of the indicator stating the expected color change and writing a brief explanation of the suitability of the chosen indicator. Describe details of your experimental method in the next section.

What are the errors in titration lab report? Common errors in titration experiments include inaccurate measurements, contamination, and inconsistent endpoint determination. In titration experiments, accurate measurements are crucial. Errors can occur if the burette is not correctly calibrated or if the volume of the solution is not read accurately.

What are 2 advantages of conductometric titration?

What are the limitations of conductometric titration? Disadvantages of Conductometric Titration By conductometric titration technique, only a few specific redox titrations can be carried out. It shows less accurate results when the total electrolytic concentration is high in the solution. This makes it less satisfactory.

What are the indicators used in conductometric titration? Some indicators that are commonly used in carrying out the process of different types of conductometric titration are methyl orange, silver chloride electrodes, calomel, phenolphthalein, calmagite, and EBT.

What are the precautions for conductometric titration? Precautions. (i) It is necessary to keep the temperature constant throughout the experiment. (ii) In acid-alkali titrations, the titrant should be about 10 times stronger than the solution to be titrated so that the volume change is as little as possible.

What is the end point in conductometric titration? Strong Acid and Weak Base Conductometric Titration As ammonia is added, concentration of hydrogen ions decreases, causing the conductivity to fall. At the equivalence point, the conductivity reaches its lowest value because all hydrogen ions have been neutralised by the addition of ammonia.

What are the factors affecting conductometry? Factors that influence the electrical conductivity of solutions of electrolytes include interionic attraction, solvation of ions, and viscosity of solvents.

What is the theory of conductometric titration? The principle of conductometric titration is based on the fact that during the titration, one of the ions is replaced by the other and invariably these two ions differ in the ionic conductivity with the result that conductivity of the solution varies during the course of titration.

What is the basic principle of conductometry? The principle of conductometry is based on the fact that throughout the titration, one of the ions is replaced by the other, and these two ions usually differ in their ionic conductivity, causing the conductivity of the solution to vary during the titration.

What is the common ion effect in conductometric titration? Adding a common ion prevents the weak acid or weak base from ionizing as much as it would without the added common ion. The common ion effect suppresses the ionization of a weak acid by adding more of an ion that is a product of this equilibrium.

How to conclude a titration experiment? Near the end point of the titration rinse down the inside walls of the Erlenmeyer flask with a little distilled water to return any

splashed titrant of acid solution. You have reached the end point of the titration if the faint pink color lasts for at least 30 seconds after swirling the solution.

How do you write a good chemistry practical report?

How to interpret titration results? If the pH is below 7, the analyte is either a weak or strong acid. The second marker is the pH at the equivalence point. If the pH is equal to 7, the titration involves both a strong acid and strong base. If the pH is above 7, the titration is between a weak acid and strong base.

What happens if too much indicator is added to a titration? If a large amount of indicator is used, the indicator will effect the final pH, lowering the accuracy of the experiment. The indicator should also have a pKa value near the pH of the titration's endpoint.

How to improve the accuracy of titration?

How much error is acceptable in titration? They decide that an error of $\pm 2.5\%$ is acceptable. That means that students who obtain molarity results between 0.897 M and 0.853 M will be credited with a pass. Those outside these limits will fail . This is an example of a % titration error and its applicatiuon .

What is the purpose of the titration lab? What is the purpose of titration? The purpose of a titration is to determine the concentration of a substance by reacting that substance with another substance of known concentration in a reaction. Based on the stoichiometry of the reaction, the analyte concentration can be determined.

What is the difference between conductometric titration and normal titration? Conductimetric titration gives more precise and accurate results than acid-base indicators titration. In acid-base titration using acid-base indicators, there is more risk of error in the determination of the end-point using human eyes to determine the exact point of colour change.

What does a titration test tell you? A titration is a technique where a solution of known concentration is used to determine the concentration of an unknown solution. Typically, the titrant (the know solution) is added from a buret to a known quantity of the analyte (the unknown solution) until the reaction is complete.

What is the definition of conductometric in chemistry? Conductometry is a measurement of electrolytic conductivity to monitor a progress of chemical reaction. Conductometry has notable application in analytical chemistry, where conductometric titration is a standard technique.

What books did soldiers read in ww2? Popular categories included historical novels, mysteries, books of humor, and westerns, but poetry and classics were included in the mix. In later years, nonfiction books designed to prepare soldiers for careers once they returned home were in demand.

Which novel deals with the horrors of World War 2?

What was the top secret file in ww2? The Marburg Files, also known as the Windsor Files or Duke of Windsor Files, are a series of top-secret documents discovered in Germany during May 1945 near the Harz Mountains and compiled at Marburg Castle, Hesse.

What are the true horrors of World War 2? Horrors of war In Germany's 49 largest cities, nearly 40 percent of homes were seriously damaged or destroyed. In the western Soviet Union, the destruction was even greater. Nearly 40 million European souls perished from war-related causes between 1939 and 1945, more than half of them noncombatants.

Did soldiers write letters in ww2? Throughout World War II, correspondence—particularly letters from loved ones—maintained the morale of troops fighting across the globe. The amount of post streaming back and forth across the Atlantic and Pacific oceans was massive, with the number of letters sent increasing each year.

What is the oldest war book? The Art of War (Chinese: 孫子兵法; pinyin: Sūnzǐ bīngfǎ; lit. 'Sun Tzu's Military Method') is an ancient Chinese military treatise dating from the late Spring and Autumn period (roughly 5th century BC).

What is the most famous book about WWII?

What is the most loved and hated novel about World War 1? All Quiet on the Western Front may have been the first runaway international bestseller, but its utter

lack of pro-German propaganda and honest, downbeat look at war made the book a Nazi target.

Which World War 2 book is narrated by death? It was adapted into the 2013 feature film, *The Book Thief*. The novel follows the adventures of a young girl, Liesel Meminger. Narrated by Death, the novel presents the lives and viewpoints of the many victims of the ongoing war.

What's the secret language that helped win ww2? During the nearly month-long battle for Iwo Jima, for example, six Navajo Code Talker Marines successfully transmitted more than 800 messages without error. Marine leadership noted after the battle that the Code Talkers were critical to the victory at Iwo Jima. At the end of the war, the Navajo Code remained unbroken.

What was the best kept secret weapon of WWII? One of the best kept secrets of the war involved the Japanese balloon bomb offensive. Prompted by the Doolittle Raid on Tokyo in April 1942, the Japanese developed the balloon bombs as a means of direct reprisal against the U.S. mainland.

What was the secret code of Germany in ww2? Enigma and the Bombe The main focus of Turing's work at Bletchley was in cracking the 'Enigma' code. The Enigma was a type of enciphering machine used by the German armed forces to send messages securely.

Who was the most feared person in World War 2? Otto Skorzeny earned himself the nickname of the "Most Dangerous Man in Europe," but how did this German soldier manage to achieve this title? World War II was certainly a dangerous time to be alive.

Who was the evil in ww2? While the Nazis are more in the limelight when it comes too the villains of WWII, the Japanese are responsible for Pearl Harbor, Nanking, Filipino trail of tears, Experiment 731 and the atrocities they committed can't be forgotten and overshadowed.

Who was more brutal in WWII? Japan wins for pure brutality. They fought to the death. They executed everybody, and those that they didn't execute were nearly starved to death in between being beaten half to death, and frozen half to death and

having their clothing and food and water and medicine taken away.

Did soldiers use the F word in WW2? Paul Fussell, noted historian and Platoon Leader in the 103rd Infantry Division in WWII posited that "[a]mong the working class 'fucking' had always been a popular intensifier, but in wartime it became precious as a way for millions of conscripts to note, in a licensed way, their bitterness and anger.

Why were the Japanese so difficult to defeat? The Japanese military was often steadfast in its commitment to victory at any cost. The Bushido Complex was intricately woven and heavy indoctrination of nationalistic views had created a Japanese military which was almost incapable of imaging defeat.

What was censored in WW2 letters? The writers would say, 'We're outside of Fredericksburg' or 'I'm in the 12th division,' and that's important information that was often cut out in World War I and World War II. In WW II, it's common for a soldier to write, 'I can't say much or the censors will cut it out.

Did early humans fight each other? Stone Age people were fighting small-scale wars in Europe over 5000 years ago, earlier than thought. The conflicts took place long before powerful states formed in the region. The evidence comes from a re-analysis of hundreds of human remains found at a burial site in northern Spain.

What is the longest war in history? The longest war in history is believed to be the Reconquista (Spanish for Reconquest), with a duration of 781 years.

What is the oldest book on Earth? The oldest extant printed book is a work of the Diamond Sutra and dates back to 868 CE, during the Tang Dynasty.

What is the most iconic ww2? The D-Day military invasion was an enormous coordinated effort with the goal of ending World War II. Today, it is regarded by historians as one of the greatest military achievements.

What is the biggest mystery of ww2?

Who is a famous historian of ww2? Robert Citino, PhD, is an award-winning military historian and scholar who has published 10 books on World War II, including his latest, The Wehrmacht's Last Stand: The German Campaigns of 1944-1945.

What did soldiers read in ww1? Particularly popular were works by Rudyard Kipling, John Buchan (especially *The Thirty-Nine Steps*) and the hugely prolific Nat Gould, who specialised in horse racing stories. WW Jacobs' work offered some humour and there was also considerable demand for Jane Austen's novels.

What book is about the German soldier perspective ww2? *Soldat: Reflections of a German Soldier, 1936-1949* (Dell War): Amazon.co.uk: Knappe, Siegfried: 9780440215264: Books.

What magazines were popular during WWII? From stalwarts like *Time*, *Newsweek*, and *Esquire* to troop-created imitations, hundreds of millions of magazines were distributed to soldiers hungry for information.

Which author served in World War II? Today's #VeteranOfTheDay is Army Veteran Jerome David Salinger, who served in the Army during World War II and went on to become the critically acclaimed author of *The Catcher in the Rye*.

What did soldiers fear in ww1? Despite prevailing notions of masculine bravery, soldiers' letters, diaries, and memoirs described the fear experience – associated with “baptism by fire”, different kinds of weaponry (including gas and air bombs), panicking or retreating units, and other feelings such as hatred, revenge, and shame.

Did soldiers swear in ww1? Although soldiers did not openly admit to their excessive profanity use, the songs that they sang within the trenches tended to include swearing.

How did soldiers bathe in WW1? At regular intervals, soldiers not on front line duties were given an opportunity to have a warm bath and change their clothes. Baths were usually large, communal spaces and often in makeshift locations, such as breweries.

What did German soldiers think of American soldiers ww2? I have found your American Army the most honorable of all our enemies. You have also been the bravest of our enemies and in fact the only ones who have attacked us seriously in this year's battles. I therefore honor you, and, now that the war is over, I stand ready, for my part, to accept you as a friend.”

Is The Forgotten Soldier a true story? The accuracy and authenticity of the book have been disputed by some historians. Some of the details Sajer mentions appear to be incorrect, while others are impossible to verify due to the lack of surviving witnesses and documents.

How do I find a German soldier in WW2? Contact the German Federal Archive The German Federal Archive, known in German as Bundesarchiv, may hold key information about the German soldier you are researching.

What is the most famous thing in WW2? On June 6, 1944, Allied forces invaded German-occupied beaches of Normandy, France. This significant day in history became commonly known as... The D-Day invasion, or Normandy landings, were the landing operations of the Allied forces as part of Operation Overlord in World War II.

What books were given to soldiers in WW2? This program, called the Armed Services Editions, distributed over 122 million books to soldiers and sailors between 1943 and 1947. More than 1,300 different titles were printed, including classics, bestsellers, westerns, mysteries, sports, and many other types of fiction and nonfiction.

What to read during war?

Who was the main hero in WW2? Audie Leon Murphy (20 June 1925 – 28 May 1971) was an American soldier, actor, and songwriter. He was widely celebrated as the most decorated American combat soldier of World War II, and has been described as the most highly decorated soldier in U.S. history.

Who played the biggest role in World War II? The Soviet Union: The Biggest Player Hitler wanted its resources and space for Germany's benefit. In the 1920s and 1930s, the Soviet Union became a powerhouse under Stalin, feared and courted simultaneously by both sides. There are vital reasons why it became a major part of World War II.

Was Ernest Hemingway in WWII? World War II. The United States entered the war after the Attack on Pearl Harbor in December 1941. Back in Cuba, Hemingway refitted the *Pilar* as a Q-boat and went on patrol for German U-boats. He also

created a counterintelligence unit headquartered in his guesthouse to surveil Falangists, and Nazi sympathizers.

How do I know if my manual gearbox is bad? If your gearbox is slipping gears (particularly on upshifts), it could signify that it's on its way out. If you're changing gears normally, but the car pulls more than it did, your gearbox may be slipping gears. If the problem is particularly pronounced, you may also hear grinding noises when you shift gears.

How would you diagnose gearbox problems in a manual transmission? Trouble getting the car into gear or feeling resistance while shifting is a clear sign of gearbox trouble. This may be caused by incorrect or low transmission fluid, blocked filters, faulty sensors or a failing solenoid.

What damages a manual gearbox? Driving Habits That Can Damage The Gearbox
Some of the most common things that can hurt you are: Keeping the clutch slightly depressed: Try not to drive with your foot on the clutch. Putting even a little pressure on the clutch pedal can cause wear, burning, and other problems with the clutch.

Are Renault Meganas reliable? Reliability Survey, it's worth noting that the Renault Megane itself did pretty well, scoring a solid 83% overall. That suggests that it should be a pretty dependable buy.

What is the life expectancy of a manual gearbox? How Long Should Your Gearbox Last? Your manual gearbox should be able to last up to 120,000 miles on average, however erratic and inefficient driving can definitely reduce this and cause damage.

How much does it cost to fix a manual gearbox? How much does a gearbox replacement cost? In the UK, the cost of a manual gearbox replacement typically ranges from £500 to more than £3000, while normal gearbox repairs cost between £200 and £500. An automatic gearbox replacement can cost anywhere between £1000 and £5000.

What are the two most common causes of manual transmission failure? The most common reasons a manual transmission failed are lack of lubrication, incorrect lubrication and improper or no clutch release.

What are the symptoms of a manual gearbox bearing failure? Gearbox bearing failure symptoms cause shaking, jerking or grinding and will affect the steering wheel. Automatic gearbox problems often cause problems like hesitation, slipping, or trembling during gear changes. Manual cars usually make a grinding sound if it has a gearbox fault.

Is it worth fixing a gearbox? In short, if the cost to replace the gearbox isn't too hefty, and the car is in reasonable condition and age, it's probably worth fixing your gearbox.

What is the number one cause of gearbox failure? It is estimated that a premature bearing failure causes more than 50% of all gearbox failures. It is common for bearings to fail due to excessive axial or radial loads, improper lubrication, or over-lubrication. In some cases, loading issues can be caused by mechanical failures, depending on the specific application.

How do I know if it's the clutch or gearbox? Common clutch problems include a slipping clutch, difficulty changing gears, unusual noises and a soft or vibrating clutch pedal. Your gearbox may be faulty if it is difficult to engage gears, or you notice gear slippage or grinding noises when shifting.

What does a failing manual transmission feel like? Common Manual Transmission Warning Signs The clutch feels like it is slipping when you change gears. A burning smell and high engine revving when you release the pedal are both signs that slippage is taking place. The clutch pedal feels odd.

What is the most common problem with the Renault Megane? Electrical System Failures. The Renault Megane is one of the most popular but arguably the most complained about Renault models. One of the key problems reported by owners relates to issues with the electrical system, which can ultimately manifest in issues throughout the entire car.

Why is Renault not popular in the US? There were, however, build-quality concerns. The Dauphine tended to rust, it was slow, and contemporary reviews characterized it as ponderous to drive. Those qualities were enough to tank Renault stateside, and the carmaker eventually stopped selling its vehicles here — for a

while, that is.

Why is Renault Megane discontinued? Why was Renault Megane discontinued? The Megane hasn't been discontinued, instead it has entered our new era of all-electric and hybrid vehicles.

How do you know if manual gearbox has gone? Shaking, jerking or grinding With a vehicle with a gearbox bearing failure symptoms, you may experience shaking, jerking or grinding while behind the wheel. Automatic gearbox issues often involve hesitation, slipping, or trembling during gear changes. Manuals are more likely to "grind" when suffering a gearbox fault.

How often should a manual gearbox be serviced? Manual gearboxes usually require a gearbox oil change every 30,000 to 50,000 mi (48,000 to 80,000 km). Automatic gearboxes usually have gear oil change intervals of between 60,000 to 100,000 mi (96,000 to 160,000 km).

How do you prolong the life of a manual gearbox?

Is it cheaper to rebuild or replace a manual transmission? A transmission rebuild cost averages \$3,000. In comparison, a transmission replacement cost averages \$6,500. Finally, a transmission repair will cost approximately \$800. Since these prices can vary significantly, you should talk to a local auto shop to determine the exact transmission repair cost for your vehicle.

How long does it take a mechanic to replace a gearbox? Depending on the type of transmission your car has, replacing the gearbox can take anywhere from 1-4 days.

Can a manual gearbox be repaired? Can a manual gearbox be repaired? Yes, in most cases, a manual gearbox can be repaired.

What are the symptoms of a bad gearbox?

What happens when a manual gearbox fails? The synchros start to wear out, and therefore it doesn't shift smoothly. This causes it to grind while putting it into gear. Sometimes instead of grinding, it'll just be difficult to get into gear. Most of the time, when a manual needs work, you will hear gear noise, bearing grinding, and it will not

stay in gear.

How do you tell if you need a new manual transmission?

How do you know your gearbox is blown? If your car starts vibrating and making strange noises like grinding or high pitched whining, it's most likely that your transmission is suffering. If you notice that your car has trouble accelerating or moving at all but you hear the engine speed up or rev, you're experiencing the transmission gears slipping.

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