



File Name: Canon 17-85 manual focus.pdf

Size: 4079 KB

Type: PDF, ePub, eBook

Category: Book

Uploaded: 13 May 2019, 22:15 PM

Rating: 4.6/5 from 710 votes.

Download Now!

Please check the box below to proceed.



I'm not a robot



reCAPTCHA
[Privacy](#) - [Terms](#)

Book Descriptions:

Canon 17-85 manual focus

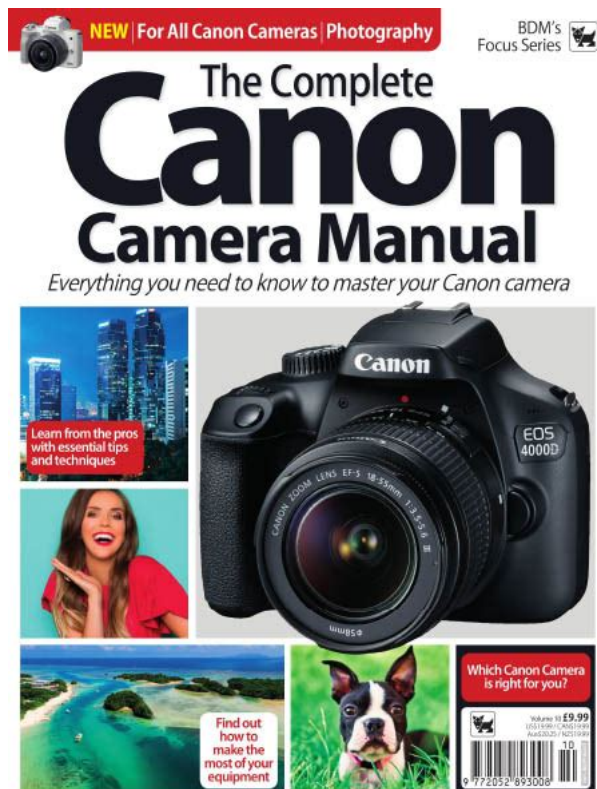


Canon does not seal its boxes, so never buy at retail or any other source not on my personally approved list since you'll have no way of knowing if you're missing accessories, getting a defective, dropped, damaged, returned, store demo or used lens. My approved sources ship from remote automated warehouses where no salespeople or lookie-loos can ever get their greasy fingers on your new lens. Buy only from the approved sources I use myself for the best prices, service, return policies and selection. Thanks for helping me help you! Ken. It's a great lens. It won't even fit on the older D30, D60 and 10D. All modern Canon lenses do this. See Why IS Matters. It's made to tight tolerances and there is! It focuses fast and close at every focal length, is easy to zoom, has great IS, and just works as it ought to. Bravo! Thanks! Ken. Corrects best with 2.0, but remains a little bit wavy. Corrects well with 3.0. Corrects with 2.2. Corrects with 2.0. Corrects with 1.5. This is spectacular it's faster than my own eyes! It's very well! It snaps into focus faster than I can measure. It focuses faster than my own eyes. You don't need to bother with any switches. Want AF again just tap the shutter halfway again. Don't try to do this if you use both systems. Looks great! The close focus distance doesn't vary with focal length. I used a 30D and looked at the results at 100%, which is a very high magnification. These are averages. It's a random event, so if you fire enough shots, you'll eventually get a sharp one even at speeds of 1 second! The 1855mm EFS II is much better. I have a page on How to Get Sharp Photos. Letters correspond to center edge. Possible ratings are E VG G F P. These are subjective. Don't fret over differences between adjacent grades. See also How Sharpness Varies with Aperture. It's my only complaint with this lens. The 17mm position isn't where it says 17mm. It's at the end of the mark. It's so cramped that Canon couldn't fit the lettering!<http://minuspk.ru/minuspk.ru/userfiles/dlink-print-server-1260-manual.xml>

- **canon 17-85 manual focus, canon 17-85 manual focus manual, canon 17-85 manual focus on, canon 17-85 manual focusing, canon 17-85 manual focusrite.**



It also requires a lot of rotation to select among similar focal lengths in the telephoto range. The middle of this zoom range should be 38mm, not 50mm. Be sure to focus after zooming. If you're on a budget, the 1855mm works as well, but without IS or easy manual focus. It helps me if you do. It costs you nothing, and is this site, and thus my family's, biggest source of support. These places have the best prices and service, which is why I've used them since before this website existed. I recommend them all personally. It's great people like you who allow me to keep adding to this site fulltime. Thanks! Thank you. Something went wrong. Whether you love shooting portraits in a specialist studio, or getting outside and taking pictures of nature, you're sure to find the perfect camera lens for you here on eBay. Prime lenses Prime or fixed lenses offer a fixed focal lens, meaning you can't zoom in or out. These types of lenses are a fantastic all rounder, as they tend to work for all types of photography, from street snaps to capturing memorable wedding moments. These lenses are lightweight for easy transportation, and are often effective in low light conditions, making it easy to get that perfect shot at any time. Fixed lenses are also known for their sharp detail and high quality photos, so they are an essential addition to anyone's photography kit. Zoom lenses For a really versatile addition to your photography equipment, try out a zoom lens on your camera. These camera lenses offer a wide focal range, meaning you can zoom in and out with precision until you achieve the perfect shot. There are a few different zoom lenses with different focal ranges, such as the popular 70mm 200mm lens. Great for portraits, events and wildlife photography, this type of lens allows you to stay in one place while zooming really far in to capture moments you may have missed with another lens. Other lens types Alongside fixed and zoom lenses, you'll also find other lens types on offer. <http://comitatoamiantovelodromo.org/userfiles/dlink-tm-g5240-manual.xml>

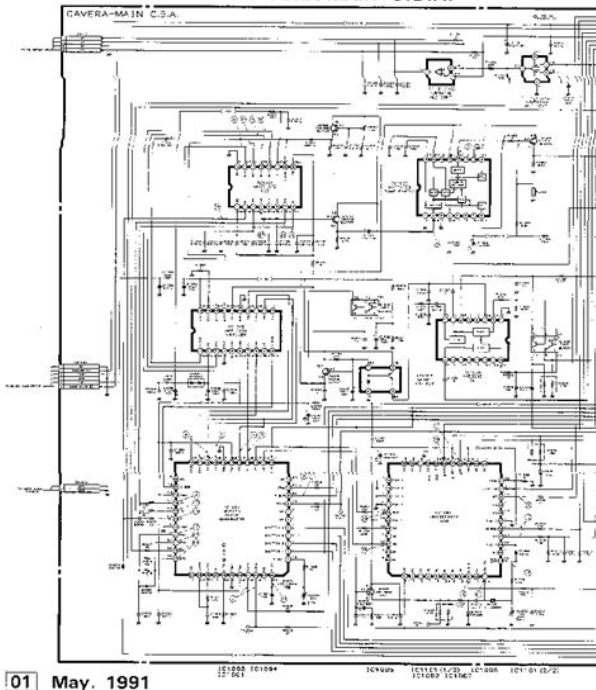


From ultra wide fisheye lenses that let you create panoramic shots to macro lenses that pick out even the smallest details for really sharp photos, you're sure to find the right lens for you. Popular lens brands you'll find camera lenses from tried and trusted brands such as Canon, Nikon, Sigma and Sony, but make sure that the lens you go for will fit your camera model. Some lenses even come with an accessory kit to really help you get the most out of your new equipment. Sell on eBay Sell Lenses User Agreement, Privacy, Cookies and AdChoice Norton Secured powered by Verisign. I shoot with. Almost everything works perfectly, including autofocus at all focal lengths phew. But, in manual focus mode, if I want to focus on infinity e.g., on distant city lights at night, I need to turn the focus ring to about 12 metres. I can live with all this, but it seems wrong. Any comments Is it worth getting the lens checked out RodneyHope that helped. If you do a search, you will find that Canon does this because of the tolerance changes that happen in extreme temperatures. If the lens is being used in direct sunlight, the parts inside expand and change the setting for infinity to a little past the mark. In subfreezing temperatures, focus on infinity may be slightly before the mark. Of course, this applies to all lenses, not just Canon. It has Canon's Image Stabilization system, allowing safe handholding at speeds up to three stops slower than otherwise possible. And its optically optimized for digital SLRs. A ring-type USM means both fast and silent AF, as well as full-time manual focus when in the AF mode. It offers good wide angle and telephoto coverage, and its image stabilization allows you to get more indoor and telephoto shots that you'd have otherwise missed. Optically, the two lenses are surprisingly similar, with good to very good sharpness across the frame, and across the entire focal length range.

The Canon 1785 IS is sharpest at the telephoto end, but doesn't give up much when shooting at shorter focal lengths either. Vignetting or light falloff in the corners of the frame is on the high side of average at 17mm, at about 0.8 EV, but that's still somewhat less than the roughly 1.05 EV of the competing Nikon optic. As such, it deserves strong consideration for your main lens, if you're buying a Rebel XT or EOS 20D, both of which are offered in bundles with this optic. If you have one of the original Rebels, this lens might be a nice upgrade for you, giving you a bit more range at the telephoto end and Canon's very capable Image Stabilization at an affordable price. Now used it on 80D and my latest the 250D. In short, it is a nice and flexible lens. AF is good. But at the wide end of needs some work. And being a jpeg only shooter that hinders it. To my surprise last week when I

tried it on my 250D I got a lot better OOC JPEGs. Very well done canon. However it has to compare with my 18 135 nano usm, so no contest. Good image stabilization The ability of the 7D mark ii to store in camera lens correction profiles is a game changer for lenses like this. It may not be a perfect lens, no lens is, but now you have the ability to fix it in camera without having to play around in your computer all day. This is a game changer that makes any choice for a third party alternative hard to justify. If you have a 7D mark ii, this is a good lens for you, with far better range than most of the alternatives. The only lens I would get to replace this is the Canon EFS 1585mm. I dont know why, and I was going to sell it because of it, but after going on the streets I just might keep it for now. The image quality is good enough but it has lens creep. Ive read about it about CA and image quality. To be real, theyre almost right about that, but maybe a little overexaggerated. This lens is fine, minus the build quality and how outdated this lens is.

SCHEMATIC DIAGRAM CAMERA-MAIN C.B.A.



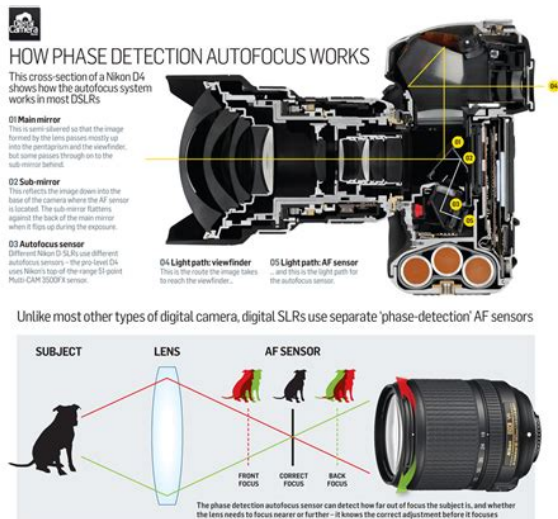
01 May. 1991

<https://www.informaquiz.it/petrgenesis1604790/status/flotaganis23032022-0215>

So yes, this lens is outdated, and parts or the lens itself might just fail on you. If were talking quality, just go get the 18135mm with that price. Here are some photos taken with the Canon EFS 1785mm on a Canon 40D street photos taken at ISO 800, and indoors taken at ISO 1600 Its extended focal length range, image stabilization IS, good manual focus option for fast and silent autofocus, and essentially improved build quality makes it an ideal allinone “walk around” lens for Canon’s APSC SLRs. Canon EFS 1785mm key feature is its good imaging performance across almost all range specializing in the telephoto region and image stabilization IS, which is one of the recent developments in digital camera technology promising photos to appear lessblurry or clearer compare to its original result. Also, at 17mm range, the lens displays a barrel distortion which makes it far from being an ideal lens for photographic architecture. But need not to worry, with the help of Photoshop Lens Correction adjustment or Canons Digital Photo Pro v3.4 or later the “uninvited substance” can be eliminated. Its been so good so far. I would really recommend this lens to anybody. Click here for other review of this lens that helps a lot. Hope I did helped anyone of you!

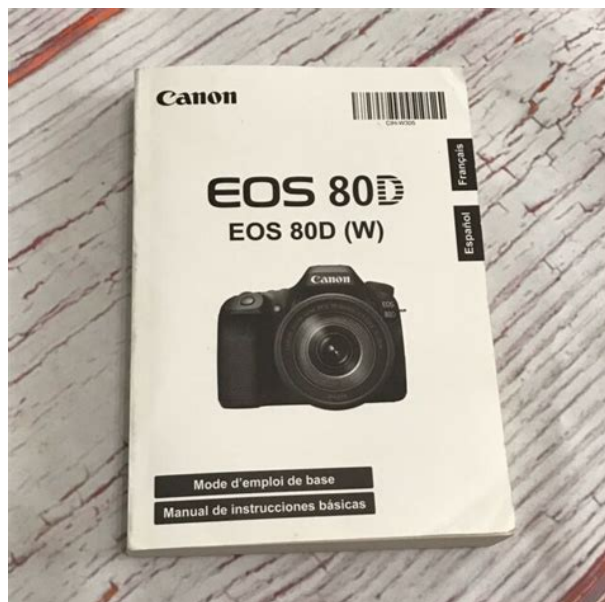
You can use it for years without noticing any problem until you come upon some lens with real optical qualities. Which isn't difficult. Pictures taken with this zoom require quite a lot of postprocessing and sharpening to compensate for the dull image this lens renders. Stabilizer works well but it doesn't really make up for the lack of light. If you can get it cheap second hand then it could be good enough for snapshots in good light. But probably any other lens in its price range is a better investment. In my subjective opinion, it's the most beautiful of all Canon lenses, especially among the low end models.

<http://17eldonsquare.com/images/brother-210c-service-manual.pdf>



The build is unusually good for such a price, and it doesn't end with appearance there is the fact that the front doesn't rotate when focusing or zooming. USM makes the focusing fast and silent, and the full time manual focusing is a nice feature. 5X zoom may not seem like much with all those 20X bridge cameras out there, but it turned out to be quite acceptable. I went on a 2week trip all over the Far East, shot well over a thousand photos, and there were just a handful in which I felt constrained by the 1785 range. Sharpness may not be perfect, but nothing that a sharpness filter can't handle. The lens is not without its disadvantages, however. Perhaps the most bothersome one is the chromatic aberration especially at the wide end, though it's not that terrible, and, besides, there is a lot of software out there to deal with CA. Also, it's relatively large and heavy and expensive compared to EFS 1855, which is a decent alternative to the EFS 1785 if you don't mind the lower quality build and appearance, and a more restricted focal length range. But if I had to buy my first lens again, I'd probably make the same choice. No regrets so far. Does it have color fringing at wide angle settings.yes, but only in high contrast areas; does it exhibit distortion.yes; is it the sharpest lens on the market.no. Every single lens on the market has shortcomings in one way or another. Fringing, distortion and sharpness can all be taken care of on the computer if they are bothersome or detract from the image. The focus on this lens is fast and accurate, exposures are excellent and reach is superconvenient. It's simply too easy these days to overcome anything you don't like in an image on a computer, for me to waste time bashing good glass when I could be using that time to learn more about how to use that lens to the best of my ability. I regret that choice. I know QC issues seem to be fairly rampant at the moment, perhaps I was unlucky, but I soon parted with it.

<https://www.firstimpressionspro.com/images/brother-215c-printer-manual.pdf>



I liked the focal length range, and the IS is very nice, a pity that the image quality was so poor. The lens just never got sharp at any aperture and chroma was very visible at 100%, maybe ok on a budget kit lens, but this isn't one. I got rid of it as soon as I could, I shall use the excellent 1022 USM and add a 70200F4, a known quantity, with maybe a 50mm to plug the occasional gap. Not really good enough Canon. This is a very convenient lens and if you're only going to have one lens on your camera this could very well be the one to get. The focal length is very nice and covers most situations. Auto focus is fast and accurate. It also transmits distance information to the body for ETTL II, something which I think most other kit zooms don't do in practice. I've found that this only matters when the subject is very close. It also has IS which means it's useful indoors without flash even with the slow aperture. After having bought a few primes I found that lens was bulky and produced poor images in the 1724mm range. This could be forgiven if the results improved when stopping down. I still think it's a decent starter lens though. If Canon could just fix the IQ issues at wide angle it would be a great lens. I wouldn't recommend buying it new because of the price but if you can get it second hand, it's probably worth it. Compact size and good focal range for road trips. The picture quality was surprising, and the AF performance was good. If a family member hadn't dropped this attached to my XT in a bucket of koolaid, I'd still be using it. Not sealed as well as other lenses I have had. But I would buy again. Going to buy a lens that offers f2.8 instead since I take mostly low light photography. The range is good and it is a great walkaround lens, but I find that the IQ is not that great. The AF is great. I've compared this to the EF 28135 IS USM which focused slowly than this EF 1785. Tried focusing on a close object then focusing on a distance object. The difference was obvious.

This lens AF much faster. I haven't experienced any zoom creep, even when I intendedly tried to. Carried this lens on a hiking trip and there was no zoom creep whatsoever. Some people complain that this lens is heavy. I thought so at first but after attaching a grip to my XT, it balances out nicely. Good lens if you don't take handheld pictures in low light and this makes a great walkaround lens. I'm glad this lens can still focus at a close distance. Unlike L lenses, the build quality is not perfect. The barrel of my 1785 extends out whenever I face the camera downwards and had a little small jerk try walking, or going down the stairs. Some people said this lens is heavy, but I find it acceptable. Photo quality. You get what you've paid for. But, there are better lenses out there. Some of my photos with this lens. Very good, sharp images threw the whole zoom range. For general use, it's just tough to find another lens that does as many things this well. Its primary limitation. Too slow in low light by the time you get to f5.6 at 85mm, you're really talking slow. If it's indoor work you do, skip this and go to the 1755. I have both and find them both useful in their element. Of the lenses in my kit, this is my wife's favorite for its light weight and jack-of-all-trades utility. I lean toward my f2.8 lenses

including the 1755 which I own, but still find this one to be a consistently useful and predictable tool. The build quality is okay and the AF is pretty fast. The IQ is pretty sharp from mid range to the long end but leaves a little to be desired at the wide end. There is quite a bit of distortion at the wide end. It is better than the kit lens 1855 nonIS and is pretty good for the price. I replaced this lens with the 1740L giving up range but I already had the 2470L and now the 1635L II for the wide end. As a travelling lens, this lens plus the 70300 USM make a nice combination that is easy to pack and carry.

<http://www.jesuseslaroca.org/wp-content/plugins/formcraft/file-upload/server/content/files/162702a73a78ed---boss-ds-2-manual1.pdf>

Yeah, it has its problems, but I was fully aware of this when buying it; not as sharp, distortion and CA prone, et al. What I didnt expect was the lens to stop zooming and jam at 24mm; I only had 1724 accessible. If it werent for such gnawing build issues, externally AND internally, I would recommend this lens in a heartbeat. As of now, I must hesitate to recommend; come to think of it, all my problems have involved IS lens. Hmmm. I hope its bad luck. Good, if it works. Otherwise, terrible construction quality. I dont think distortion or CA are problem any more. Like any lens on the 400D the limit is the focus accuracy, not the lens sharpness. I think I will never ditch it, it is the best compromise, all its issues CA, distortion, small apereture are not serious when you know how to use photoshop or something similar. The IQ is superb, very sharp and excellent flare performance, with vibrant color. The AF is so fast, the IS is very powerful. I think it is a good lens, at lest suites into my style very well. I am mostly shooting real people in a city so I have no time swapping many lenses or can not miss focus, I dont need f2.8 either since I need deep DOF. So if you shoot action or into street photography, there is no better lens than this, the 1755IS is too short and too prone to flare, it is only good in low light. I expected to replace this with the EFS1755, though, I now realize how nice this 1785 actually is, it is not much less sharp than the overly worshipped EFS1755IS and a bit sharper than the 1740L at least my copy. I bought the second 1785IS in this June, and how can I say, it is the best lens ever made IMHO and my second 1785IS is a bit of improvement over my 2 years old first 1785IS, I think Canon fixed the distortion issue and CA issue at the 17mm without announcing anything about it. Any way, I highly recommend it with the EFS1022, which covers very nicely the weak range of this lens from 1720.

BANGLENHOSPITAL.COM/UserFiles/File/boss-db-90-dr-beat-metronome-manual.pdf

This lens is truly sharp from 35 to 85 so when it is combined with the excellent EFS1022, it works great. I think if you are thinking of getting the 1755IS to replace it, you would better get the 1022 in additon to this excellent 1785IS. most of people never need F2.8 and IS in the same lens. Think about this when you need IS, you also need DEEP DOF not shallow DOF, so you dont need the F2.8 and the IS in the same lens. When you really need fast SS in low light, youd need more than f2.8, dont waste your money on those silly f 2.8 third party zooms like Sigma 1850, which is actually designed for Nikon 1.5 crop factor models, we, Canon users, need 17mm wide end to get 28 or 17mm, so the 18somethingactually, the Sigma 1850 is even not a true 18mm lens, is in fact 19.3mm lens according to Pop photo is pretty much useless on Rebels and x0D series Canon bodies. The Tamron 1750 is ok, but not great, sharp but not as sharp as my 1755 IS wide open and not as fast focusing as my Canon 1755IS and 1785IS. So if you are into action photography or street photography, get a Canon. Tokina, Sigma and Tamorn are all junks, and they have severe CA problem. Also, their resale value is so so so bad. You can get a third party but you will regret in the long run. and lose some money by returing or resaling it. Given its price, which is slightly more than its fullframe equivalent, it does seem rather underwhelming. I honestly expected more from this lens. The IS is a musthave due to the slow maximum aperture, but this lens still cant stop action in less than ideal lighting conditions. I would recommend getting this one over the fullframe 28135 IS USM if you need the wideangle more than the extra tele reach. 28mm isnt wide enough on a 1.6x crop body. Like many others, I bought this

lens as a kit when I upgraded to the 30D. Six months later, I sold it, but not because it was that bad, more that it showed me a way forward with my photography and I wanted more of what it gave me a taste for.

Good bits The range is awesome and will really spoil you, you won't find this elsewhere. IS is a godsend and does make up largely for the slowish aperture for most sorts of shooting. This lens also balances very well on all the EFS bodies, allowing you to really cup it in your palm, not hold it with your fingertips like the 1855mm kit or small primes. Focus is swift and silent, the major plus moving up from lesser lenses, plus it looks cool having the switches and distance scale on it never had the need to use them, but it adds to its visual credentials. **Bad bits** It takes decent shots but I must confess to finding the corner softness disappointing. It wasn't just soft it was plain blurred in the extremes and did spoil some otherwise lovely shots if they had edgetoedge detail of interest. Some may level criticism at its build but for the money it's on par, I never had any issues with my copy. The price is really very good when bought in the kit and holds its value well. That alone speaks volumes about its abilities. Buy it, enjoy it, but carry on saving. For most people SLR photography is all about enjoying and upgrading, this lens isn't the one to change that. It's your mad girlfriend that you'll fondly remember, not your future wife! **Ben** It covers the 35mm equivalent of 27-136mm focal length which is very good and the sharpness is good, though not perfectly sharp. It also has pretty even performance across the entire focal range, though it does have some barrel distortion in the wide end, but that doesn't bother me and could easily be corrected for should I need it. Its minimum aperture is however small which makes it a poor performer in lowlight situations, which is a shame because otherwise it would have been the perfect allround everyday lens. It still is outdoor and under clear skies so I'm happy with it. While its small aperture limits the amount of bokeh you can get when you shoot portrait, the bokeh it does produce is nice and smooth.

It is nice to have image stabilization in this focal range. The 5x focal length range permits you to use this as your only lens and still have flexible framing options. The only obvious limitations in use are the small aperture, particularly at longer focal lengths which sometimes forces excessive exposure times when using limited, natural lighting and the large amount of barrel distortion at short focal lengths. If you will be doing photos in lowlight with this lens, you will want a good flash unit like the Canon Speedlites unless you can shoot long exposures on a tripod. If you shoot wideangle photos of straight lines e.g. most house or office interiors, you may want to invest in software to correct the barrel distortion, such as DxO Optics Pro. As one might expect from the test results here on SLRGear, softness has never been an issue with this lens. In my uses, Chromatic aberration and Vignetting have also not been a problem. Great focallength range. Fast, quiet AF. The autofocus is very quiet and very fast. It's relatively light, and you get pretty decent centersharpness throughout the aperture range. I've already seen at least one lens whose inner plastic shell got cracked, although I'm not sure how. The maximum aperture is frustratingly small, making this a rather slow lens for its focallengthrange. If you're shooting static subjects, then the IS will help a great deal, but people are impossible to shoot indoors without a flash. The barrel distortion at fullwideangle is rather pronounced, but I suppose not as bad as some pointandshoot cameras. Still, it shouldn't be this bad. It's correctable in Photoshop, but not without some loss of your edges. I found Chromatic Aberrations to be quite obvious in many photos, and not just at the largest aperture. Perhaps I'm picky about that kind of thing, or am more likely to notice than most, but I found that to be an annoying trait of this lens.

I was also not happy with the way the sharpness seemed to be inconsistent from the center to the edges, with the edges sometimes turning out quite soft. This lens has a very enticing focallength range, but really disappoints with its small max aperture. It's certainly not an availablelight indoor camera, but it performs just fine with a flash or outdoors. It does make a great everyday carryaround lens if you can forgive its shortcomings. It covers 27-136mm in 35mm terms. AF is fast. IS helps in

low light conditions. Good image quality and sharpness. It has a bit irritating barrel distortion at wide end and some CA when wide open. It gets much, much better at standard and long end. There's some vignetting when used wide open with not-slim filters, e.g. with polarizer. Lens hood is unfortunately not included and is rather expensive. On the good side, it's rather nice, not too big and very useful. It's possible to operate polarizing filter with the hood on. I've been traveling with this lens all around the world and am very happy with it. Pros Good walk around lens. Jack of all trades, but not great at one. Gives a nice wide angle for my 1.6 crop 20D IS works really well. Save me many times in low light shots AF is pretty fast and quiet Cons Dark corners in the wide end. Distortion in the wide end. I originally purchased the 20D with the Sigma 18125 because it was cheaper and offered a longer zoom, but the pics look very soft. This lens is much sharper than the Sigma. I took it on a 3 weeks Europe trip and it performs very well in most situations, since I didn't want to bring extra lenses. I think the seals can be better since I see dusts between lens elements after it got a little wet from the rain. Sharpness is very good, but not great. Good at taking landscape scenery, but not ones with buildings in the wide end due to distortion. Dark corners are sometimes a problem, but it only happens in the wide end. This lens works very well with my 20D.

If you don't need a lot of speed, I'd get this lens over the other options in this range 1755, 1770, 2470, 24105, etc.. Excellent zoom range, it stays on my camera 90% of the time. IS is great! No, it isn't the perfect lens as it isn't as fast as everyone would like, No, it isn't build like a tank as the L's lens but it's the best carry around lens that one can buy for a Canon APS DSLR. Its zoom range and last generation IS helps to get the picture that otherwise would probably miss. Its size and weight makes it portable on a day basis, so you can carry your gear with you most of the times that you wouldn't do with a heavier gear. I've tested a friend's 28135 IS and my 1785 is much better, sharper and feels more solid sample variation or I'm just lucky. For me it's a keeper. And will make a long companion through my photographic outings. I like IS lenses, and this one can be a good choice for low light situations, candid, etc. Nevertheless I found it sometimes not so sharp at max. I switched to a 24105 L IS, of which I am very happy, but I believe that the 1785 is still a good choice especially in its price range. It's quite good at maximum aperture, though at the wide end I suppose it gets a little soft. However, this lens, combined with a Canon CMOS, and compared to some cheaper lenses, produces technically excellent images — my job is to look out for the subject itself and make sure I've focused properly. Sure, the focus ring is a little narrow and a bit stiff, but it isn't sloppy or inaccurate. The zoom ring can feel sticky and imprecise if the torque is unbalanced or if one turns the ring slowly; turning it quickly and stopping at the desired focal length works better. The focal range covers a very useful range, though for me lacking on the telephoto; for that I'd want something between 135mm and 300mm, but that can't be fit into a lens this portable. The Image Stabilizer is fantastic, but since I find myself shooting indoor performances for school, a 2.

8 or larger would be good to have. I can carry this lens with me all day, every day. Finally, I don't think I'd give up the 55mm-85mm range to get the 1755mm 2.8 IS, because of the bulk for perpetual carry, and the extra tele and magnification ratio for closeups. As is often said, one can't take a photograph with a lens one left at home. This lens is relatively compact and lightweight, and combines a very useful range with very good image quality and shot-saving IS. It doesn't do anything stellar but it doesn't do anything bad either. In controlled settings, i.e., lighting, the image quality can be excellent. The IS is fine for stationary objects but not helpful for movement because of the minimum f stop. The 17mm, wide angle, shots are a lot of fun and the 85mm range makes this a very versatile lens to walk around with. For the cost, the lens should come with a lens hood. It is definitely better than the normal kit lens, which is a EFS 1855 f3.5-f5.6. The EFS 1785 looks great on paper because of the IS, autofocus motor, and the very usable focal range, and those are the greatest selling points. The IS works great for minor shake, especially if you keep forgetting to buy a tripod like me, the USM autofocus is very fast, although my lens takes longer when there is not a lot of light, and lastly the range on this lens is amazing as an everyday lens. It has become extremely

useful to me since I will sometimes shoot scenes and then decide to shoot closeup later in the day. I really havent needed another lens for a while. However, one should watch out for a few things. Ive noticed a decent amount of CA and distortion when using this lens zoomed all the way out. It isnt awful, but it is pretty noticeable. The lens produces some great bokeh, but it would be easier to take advantage of the bokeh if the lens were a little faster. The lens is great though if one remembers the few shortcomings. There are better lenses, but they also might cost more.

<https://www.interactivelearnings.com/forum/selenium-using-c/topic/13939/3s-ge-engine-repair-manual>