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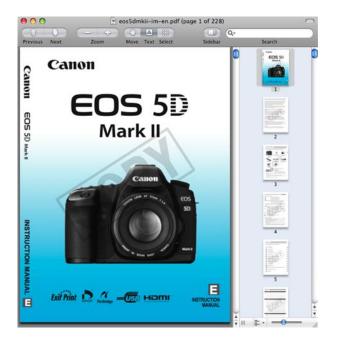
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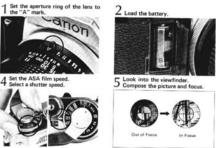


We apologise for any inconvenience caused. Full Auto mode is great for beginners who are still new to using a mirrorless or DSLR camera. Once you are ready for the camera's more advanced modes, the first upgrade we recommend would be the Program mode. With more practice, one can move on to Shutter Priority, Aperture Priority, and finally the Manual mode.ISO is your camera's level of sensitivity to light, and is adjusted to let a specific amount of light onto your sensor. The brighter the light, the lower the ISO you will need; when the surroundings get darker, the ISO numbers go up. Controlling the ISO is crucial because using a low ISO e.g. ISO100, 200, or 400 when you have sufficient light will give your photo a sharp, clear, and crisp look, while a higher ISO e.g. ISO800, 1600 or higher is necessary to prevent your shot from blurring when light is limited. Keep in mind that a higher ISO level also means more visible grains on your photos in photography terms, we call it noise, which is why knowing what ISO to adjust to is essential. Program mode lets you adjust your ISO freely, while the camera automatically fixes the aperture and shutter speed for you. This is great if you are still unfamiliar with aperture and shutter speed the other two pillars of photography. By assessing your setting, you can determine the amount of available light you want, and adjust your ISO accordingly. Thoughtful adjustments of your ISO can help achieve sharp photos without noise even in low light conditions. Learning how to use the Manual mode is wonderful because you gain complete creative control over your shot, adjusting everything from ISO, aperture to shutter speed. For example, if you want to freeze something in action such as racing cars, athletes, or energetic pets, you can select a fast shutter speed; on the other hand, a nice motion blur can be achieved with a slower shutter speed think star trail, light trail, or a silky

waterfall.<u>http://cpils.com/userfiles/durag-d-gf-150-manual.xml</u>

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PICTORIAL OUTLINE FOR USING THE CAMERA



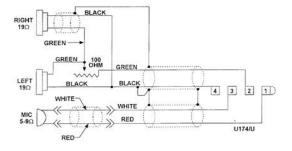
With enough practise, you will get the hang of this mode, which will lead you to Aperture Priority and Shutter Priority in no particular order modes. Armed with the essential camera skills and knowledge, the Manual mode is your final stage, where you will gain full control of your every shot, and that is where the fun begins. Usually you'll find a green icon for Full Auto mode usually a green A or rectangle, Full Manual mode M, as well as Aperture Priority A or Av and Shutter Priority S or Tv.In my experience most people don't use it because they don't understand it. Is it Auto Is it Manual What can it do that the other modes can't The answer is a bit strange at first, but once you wrap your head around what the humble little P mode can do, you might find yourself using it much more than you thought. On one end you have Full Manual mode, which gives you complete control over the three elements of exposure shutter speed, lens aperture, and ISO sensitivity. On the other end you have Full Auto mode which gives you almost no control over exposure except whether the flash turns on or not and on some cameras, not even that much. On most cameras Full Auto will not even let you choose basic parameters like white balance and focus mode, which is fine if you just want to shoot some pictures and not worry about all the technical aspects of photography. For instance, in Aperture Priority you control the aperture and ISO, and let your camera figure out what shutter speed to use for a good overall exposure. In Shutter Priority things are reversed; you control the shutter speed and ISO, while your camera figures out what aperture to use. One benefit you might not immediately realize is that you can set the ISO which will then remain unchanged by the camera. This is guite useful in situations where you want to intentionally use a lower ISO, such as outdoors or in bright light, or a high ISO when things are a bit darker and you prefer to not activate the flash.https://www.frazarij.com/userfiles/durag-flame-detector-manual.xml





If nothing else, think of the Program Auto mode as an ISO Priority mode; you set the ISO and your camera figures out the shutter speed and the aperture. If that's all you want to do, you're set. Change the ISO or not and worry only about composing and framing your shots, then let your camera figure out the rest. Program mode kept a nice exposure while giving me the motion blur I was looking for. It's kind of like the familiar Auto mode on steroids. There are many options available to you in Program that you won't get in Full Auto, and many of these can help you get the shot you want, instead of the shot your camera thinks you want. However, as you start changing settings your camera will do its best to maintain a proper exposure.You can then rotate the command dial on some cameras it might be pressing a button to change these values if you decide you want a wider aperture or slower shutter. Essentially your camera says "Here's what I think will be good," and then you take over and say "Thanks bro, I'll take it from here" as you shift the values of your shutter and aperture using the dial on your camera. So, you put your camera in Program and set the ISO to 100 in order to get as little noise as possible. Soon you might notice that your camera has selected a small aperture, and you'd like to get a bit of background blur so you quickly rotate the dial on your camera until your aperture is much wider. Your camera then automatically adjusts the shutter speed accordingly, in order to maintain a good exposure. Contrast this to the Full Auto mode and you start to see the usefulness of the humble little P marker on your camera's mode dial. At this point you might be wondering why you would want to use Program Auto instead of Aperture or Shutter Priority because those will also allow you to set the ISO, aperture, and shutter speed.

Program Auto sort of functions like the best of all worlds you can change various options if you want to, or you can just leave everything alone and let your camera figure it all out. Program allows for this flexibility, whereas Full Auto does not. For me Program is great to have in a pinch, but I generally prefer to make more of the decisions when shooting, instead of having my camera do the heavy lifting. What's your preferred method of shooting, and what do you like or dislike about using the Program Auto mode. Leave your thoughts in the comment section below. We wont share it with anyone We wont share it with anyone We wont share it with anyone. Oil Washes Adam Savages One Day Builds KitBashing and ScratchBuilding. Adam Savages One Day Builds SnubNosed Blade Runner Blasters. Adam Savage Makes an Octopus Puzzle. Adam Savages One Day Builds Custom Workbench LED Lamp. Making a SkyrimInspired Foam Sword. LEGO with Friends Custom Stay Puft Marshmallow Man. Adam Savage Repairs Totoro Costume. Adam Savages One Day Builds Foam Ringwraith Gauntlet. Model Behavior Rusted Patina Effects Model Behavior Patina and Polish Painting the Realistic LEGO Cosplay Mask. Adam Savage Incognito as a Bear at ComicCon 2016. Cutaway Millennium Falcon Model Miniature! In Program mode, the camera handles the aperture and shutter settings, but lets you dictate ISO sensitivity and, when the camera supports it, lets you shoot RAW image files. Those choices are an important distinction from most cameras Automatic modes, which automate the ISO sensitivity and usually only let you shoot JPG images, even if the camera supports the RAW image format. If the camera doesn't think you can get a good exposure at your chosen shutter speed based on the light metering, the display will usually show the fstop in red, indicating its not enough. This mode is best for setting up highspeed action shots or long exposures for artistic effects.

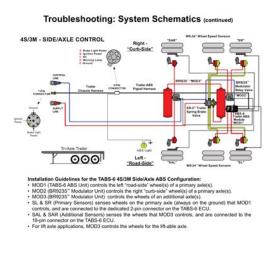


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If you want a very long exposure of the moon, or an artsy photo of cars whizzing by a dark street at night, set the camera on a tripod and bring the shutter speed down to half a second or slower. This mode is useful for controlling the depth of your focal plane in a shot. If the camera cranks the shutter speed slower than that using your aperture setting, consider other shooting options. It lets the user change both aperture and shutter settings manually, giving both the most flexibility and the

most potential for a bad exposure. Because of this, you should only start using Manual mode after youve gotten used to the others and see what different settings mean in different conditions. Fortunately, like the Shutter Priority mode, the Manual mode on many cameras have an indicator that turns red if the current settings will produce a bad exposure under current lighting. No automatic indicator can make up for experience, though. What shooting mode do you favor. What are your tips for shooting with Program, Shutter, Aperture, or Manual modesAdam Savages One Day Builds Workshop Hardware Storage. Adam Savages One Day Builds Custom Beat Saber Hilts. Adam Savages One Day Builds Space Camera Shroud. Adam Savages New Warcraft Armor. Adam Savage Tours North Bergen High Schools Alien The Play Artifacts. Tested at the NASA InSight Rocket Launch to Mars. Gallery The Last Knight Exhibit at The MET Adam Savage Repairs Totoro Costume. HandsOn Haptic Gloves to Control a Telepresence Robot. ComicCon 2015 Tested Presents The Rancor Project. Animating Robocop 2s Cain Robot with Phil Tippett How to Build a FPV Racing Quadcopter.Adam Savages One Day Builds Foam Prop Safe. Adam Savages Favorite Tools Best Budget Multimeter. Adam Savages Kill Bill Bride Sword Replica. Adam Savages One Day Builds Machinist Tool Drawers. How To Make a Star Wars Action Figure Diorama Star Wars Book Nook Diorama Build. Adam Savages One Day Builds Tintype Photo Clamp for Gary Oldman.

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Adam Savages Favorite Tools Best Hot Glue Gun! Adam Savages One Day Builds Foam Prop Safe. Back then, YouTube wasnt a thing, and there werent exactly a lot of photography websites to give me tips, either. I shot in full auto mode for far too long because I didnt understand what AV, TV, and P meant. Then my eyes were opened. P, or program mode, is just what the doctor ordered for learning how to take better photos. Heres why you should consider using P mode above the rest. Just What the Heck is P Mode Anyway. Thats a beneficial setup for a lot of reasons, not the least of which is the fact that you dont have to worry about manipulating all your camera settings to get a good exposure. After all, the barrier that most new photographers face is understanding the exposure triangle, and making all those changes to settings is, lets be honest, a bit on the daunting side. In aperture priority and shutter priority, whatever the camera chooses for the shutter speed and

21

aperture, respectively, is what youre stuck with. However, in program mode, you can override those settings. That makes P mode a bit more flexible and gives you more power to determine the settings if you so desire. Dont get me wrong manual mode is great, and if you have the skills and knowhow to use it, by all means, use it. But if you can get similar control in program mode when you want it, why not just go that route. After all, our cameras are packed with technology to make the process of taking a photo more streamlined. For me, if the choice comes down to shooting in manual mode and potentially missing a shot because Im having to fiddle with my camera settings, and shooting in program mode and letting the camera do most of the work so I can actually get the photo, Im going to opt for the latter option. Program Mode Helps You Focus on Composition In addition to being a faster option for getting a wellexposed photo, program mode also frees up some of your mental power to work on composing the shot.

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By that, I mean that without having to worry so much about making changes to aperture and shutter speed, you can concentrate more on how you want the shot to look. Whats more, you can focus more on why youre taking the shot in the first place. A technically perfect photo is great, but sometimes all the energy you spend on that technical perfection results in a photo that just doesnt have a lot of feeling and emotion. Program mode helps you concentrate a little more on connecting with viewers because youre freed up to make a photo thats potentially much more meaningful. Program Mode Helps You Learn the Fundamentals, Too The great thing about program mode is that not only does it allow you to focus on the creative aspects of emotionality and feeling in your photos, but when the time comes to make some manual changes to the settings, you can do so. Heres what I mean. Lets assume youre photographing your kid playing in the park. Youre in program mode, youve set the ISO to 800, and allow the camera to decide on an aperture and shutter speed. But lets also assume that in the particular lighting conditions at that moment, the photo that you take is on the bright side. To darken it, all you have to do is look at the camera settings and make an adjustment to one of the three exposure settings. You can reduce your initial ISO from 800 to 400. The point is that even though the camera might initially be in charge of two of the three exposure settings, you can still learn what changes to each one does to the exposure of the images you take. Can you experiment with exposure settings in other modes. Absolutely! But theres something about program mode allowing it to take control and then overriding it when you want that, for me, makes it the best mode to use for normal, everyday photos. Final Thoughts Program mode isnt the endall, beall for photography. If you want to take photos with a huge aperture to blur the background, aperture priority mode is a better option.

Similarly, if you want to freeze or blur the movement of your subject, shutter priority mode will be a good choice. But for the purposes of taking photos day in and day out, and for the purposes of

learning how to take more control over your cameras settings, its tough to beat the virtues of program mode. In fact, program mode doesnt just give you more control over exposure you can determine when or if the flash fires, control autofocus behavior, and set the white balance, too. Learn more about program mode in the video above by Adorama TV and Mark Wallace. Beginner Photography Tips Not sure what to photograph next. Go through our 30Day Creative Eye Challenge and discover the long last secrets to finding awesome shots, anywhere, anytime with any camera. Not a Member Join Today We Recommend Wedding Photography Tips for Amateurs 5 Photography Tips That Will Make You a. How Big Can I Print iPhone Photos. Landscape Photography Tips Portrait Photography Tips Composition Tips Beginner Photography Tips Photo Post Processing Tips Business Photography Tips Latest Reviews Nikon D5500 LongTerm Review The Nikon D5500 might be old, but it still packs a punch for new photographers that want a solid camera without spending a ton of money. Aug 17, 2020 Fujifilm XE3 Review In this Fujifilm XE3 review, learn about the specs, features, pros, cons, and more of this excellent entrylevel mirrorless camera. Aug 05, 2020 Nikon D500 vs Nikon D7500 In this Nikon D500 vs Nikon D7500 matchup, we explore the features and specs, pros and cons, and prices of these older, but highly capable DSLRs. Jun 22, 2020 Sony a7R IV Review Check out this Sonv a7R IV review to learn all about this incredible cameras specs, features, image guality, price, and more. Jun 15, 2020 More Articles Latest Articles Try These Best Selling Stock Photography Ideas If youre not sure what kind of stock photos sell the best, consult this list of ten options that are sure to be in demand in 2020.

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Aug 19, 2020 How to Impress Your Photography Clients If youre not sure how to impress your photography clients, follow these simple photography business tips. Aug 18, 2020 Octopad HandsOn Review In this Octopad review, learn about the pros, cons, uses, and other features of this small yet reliable tripod alternative. Aug 18, 2020 Why You Need a Field Monitor why you need a field monitor, field monitor, external monitor, field monitor for video, external monitor for video, advantages of a field monitor Aug 17, 2020 Nikon D5500 LongTerm Review The Nikon D5500 might be old, but it still packs a punch for new photographers that want a solid camera without spending a ton of money. Aug 14, 2020 Popular Stock Photography Categories If you want to maximize your success in stock photography, you need to know the most popular stock photography categories. Get the scoop on the categories you need to focus on. All Rights Reserved. When I use the camera in Program mode, and the camera gives me the combination of the shutter speed and aperture for proper exposure. At this point, if I switch the camera to Manual mode, I do not necessary get proper exposure either its WAY under or over if I attempt to use the same shutter speed and aperture. How come Manual modeCheers EntropyWhen I use theAt this point,How come hide signature . Eric Cote Pbase supporter Manual modeSo when you switch between modes, Cheers EntropyWhen I use theAt this point, Manual modeSo when you switch between modes, Cheers EntropyWhen I use theAt this point, How come hide signature Or, am I wrong Russell The flash will fill in what is required fo proper exposure of the subject most of the time. In the Manual mode the meter shows you where the settings you have chosen would put the exposure compared to what the camera thinks is the correct exposure. Good luck.

EntropyHow come the Program mode can almost alwaysThere, that shouldHow come the Program mode can almost alwaysIll use the shutter speed and aperture you select, and when you press the shutter button Im going to send out a preflash and use that to select my flash power. The actual exposure will depend on the aperture, the shutter speed somewhat, this only really impacts the ambient light, not the flash, and the flash power. The camera always chooses the flash power when you press the shutter button. It doesnt let you specify this or influence it, on the 300d and it has no way of displaying what it chose or will choose to you, so that key third element of the exposure isnt

really apparent to you.As long as the little flash symbol is not blinking, it has enough flash power to make the correct subject exposure. In manual, try stopping down the lens until the flash symbol starts to blink, you now have exceeded the range of the flash unit. Open it up, and the flash symbol will come on solid showing that there is now enough flash. Good luck. EntropyYes Thanks so much. hmIll use the shutter speed andThe camera always chooses the flashIt doesnt let you specifyAs long as the little flash symbol is not blinking, it has enoughIn manual, tryOpen it up, and theTo stop down or make the aperture smaller you adjust the aperture value to a higher number. How come the Program mode can almost always. This may help some Best regards, Doug Manual modeWhen you go to manual, the ISO is preset to your specs. So the required shutter and aperture combo may be quite differement. When I use theAt this point,One flaw of the d300 is that the iso dosent show up in the viewfinder when you are composing, but check your back readouts and remember to switch your iso back to 100 or whatever your default is when you change modes or power down. Saves those Ohmygodlookatthat.Read our full review to see why its got the best autofocus system weve ever seen.

716 Olympus OMD EM10 Mark IV initial review first impressions Aug 4, 2020 at 0600 The Olympus OMD EM10 IV is the companys entrylevel DSLRshaped mirrorless camera. While it has a higher resolution sensor and new processor, its biggest focus is on selfies. 2258 Sony a7S III initial review Jul 28, 2020 at 1400 The Sony a7S III is a 12MP fullframe camera primarily designed with video in mind. We take a look beyond the specs to see what it offers to filmmakers. 1608 Olympus OMD EM1 Mark III review review Jul 27, 2020 at 1450 The Olympus OMD EM1 Mark III is our favorite Micro Four Thirds camera for stills shooters to date. In this roundup we take a look at four travel tripods and pick our favorite. In our latest buying guide weve selected some cameras that might be a bit older but still offer a lot of bang for the buck. These midrange cameras should have capable autofocus systems, lots of direct controls and the latest sensors offering great image guality. Best cameras for sports and action Aug 11, 2020 at 0146 Whats the best camera for shooting sports and action. Fast continuous shooting, reliable autofocus and great battery life are just three of the most important factors. In this buying guide weve roundedup several great cameras for shooting sports and action, and recommended the best. Best enthusiast long zoom cameras Jul 16, 2020 at 2329 Longzoom compacts fill the gap between pocketable cameras and interchangeable lens models with expensive lenses, offering a great combination of lens reach and portability. Read on to learn about our favorite enthusiast long zoom cameras. Automatic modes Auto, Action, Portrait, Night portrait, Landscape, Macro. Professional DSLR cameras provide several manual modes; consumer pointandshoot cameras emphasize automatic modes; and amateur prosumer cameras often have a wide variety of both manual and automatic modes.For a given exposure, this is an underdetermined system, as there are three inputs but only one output.

Higherend cameras offer partial manual control to shift away from the automatically calculated values increasing aperture and decreasing shutter time or conversely. The difference between Program mode and Full Auto mode is that in program mode, only the exposure is automatic, while other camera settings e.g. shooting mode, exposure compensation, flash can be set manually; in Full Auto mode everything is automatic. This mode is found on some Pentax cameras; on many cameras such as Canon and Nikon this is not a separate mode, but instead is accomplished by using Program mode and manually selecting an ISO. Other manufacturers may provide this functionality through automatic selection of ISO speed in manual mode. One then reframes the scene and fully depresses the shutter to take the photo. However, this requires lining up both the nearest and further objects on autofocus points at the same time, which may be difficult. For example, in portrait mode the camera would use a wider aperture to render the background out of focus, and would seek out and focus on a human face rather than other image content. In the same light conditions a smaller aperture would be used for a landscape, and recognition of faces would not be enabled for focusing.Many cameras do not document exactly what their many modes do; for full mastery of the

camera one must experiment with them.Flash may be deactivated. The camera may recognize and focus on a human face. In Fujifilm cameras, a variation of this mode takes two pictures one with flash and other without it. Some cameras also have an intervalometer mode for timelapse photography, possibly with the option to automatically create a video from the pictures taken.Single mode is especially favored for stationary subjects, when focus, once found, should stay fixed, while continuous mode is used for moving subjects.

However, some photographers find that having AFon and the shutter release on the same button makes it harder to establish the correct focus point, or hold it once the desired point is established.Retrieved 20120106. By using this site, you agree to the Terms of Use and Privacy Policy. We explain the shooting modes on a camera, including shutter priority, aperture priority and more. A photographs exposure is made by the camera sensor or film being exposed to light for a specific amount of time. This is referred to as the shutter speed. The shutter speed is determined by the amount of light that is needed for a correct exposure. The amount of light that reaches the sensor is controlled in part by the aperture of the lens. In addition, how sensitive the sensor is to light is controlled by the ISO speed. If you were using film, this would be fixed, by your choice of film speed. This can be either automatically set by the camera, or you can set these manually if your camera has the controls available.Continue reading to find out more about the different modes, and how changing them can change the results you get from your camera. There are alternative triangles available. Continue reading to find out all about the different modes, or jump straight to a mode using the links below. The exposure value, as explained above, is the shutter speed and aperture combined. In these modes you may find the camera limits what settings you can change. However, in this mode you can change other settings, such as AF point, metering mode, etc. Some smartphones use a digital filter to recreate the effect of having aperture control. Use a faster shutter speed to freeze motion. On some cameras you can leave ISO on auto, or manually set the ISO speed. Keep an eye on the screen and youll be able to see how your changes affect the exposure, as most cameras will show how much you are under or over exposing your image. Find out more on the TAv mode.

This mode is not so useful these days, as you can often set the ISO speed easily in other modes. So you can shoot quickly, and then have the option to change any setting you want, without having to switch to A, S, or M modes. The camera starts in P mode, but you can change any setting, or set it back to auto. Canon explain this mode fully here. Use this mode to record videos. Some cameras will let you select P, A, S, M modes within this. The amount of control available will vary depending on the camera youre using. It can be useful to switch to this mode before recording video, so that you can preview the framing of your shot before you start recording, as the aspect ratio of video recording is often different to the normal shooting modes. Some will have this option selectable in Shutter priority or manual modes. This lets you take a photo with a long exposure, where the shutter is open for as long as you need it to be. Read more on different scene modes in our guide to scene modes. Its no longer found on new Canon cameras, but was available on some older Canon cameras. Sign up to create a price drop alert and well email you when its cheaper! Not sure the exact date of Variable Program but it was a big improvement from normal Program. As the name implies, you can change what the camera has selected by simply turning the rear dial right for a faster shutter speed or left for smaller aperture. Whichever direction you go, the shutter speed and aperture follow each other. If you want to stop action, dial it right. Better depth of field. Dial it left. Almost all cameras have this functionality now with Canon being somewhat of an exception. Yes, Canon allows for changing what the camera had selected like Nikon, Lumix and others. But. when the Canon cameras go to sleep and you eventually touch the front shutter button to wake the camera up, the camera will have gone back to what THE CAMERA wants to shoot at. Not what you set it to.

This can be an issue when lets say youre photographing an eagle in a tree along the Chilkat River in

Alaska. Youre on tripod, the eagle is just sitting there. All of the sudden the eagle sees a fish and jumps from the tree. The eagle flies and your action images are now very soft. Thats the caveat of Program on the Canon system and its been that way since the EOS 1 from what I know. Not sure why theyve not fixed this but just one good example of a camera company having a closed mind and ears apparently. If you want more about how to use Variable Program you can find additional info at Not sure the exact date of Variable Program but it was a big improvement from normal Program. If you want more about how to use Variable Program you can find additional info at New to ePHOTOzine Join Today! By using our service, you agree to our use of cookies. OK Learn more. But what is manual mode, and why is it so important for your photography. Lets figure it out! Want to create stunning photos by easily controlling your camera. Click Here for our complete guide. Manual mode is one of the main settings on your camera, and it lets you manually control shutter speed, aperture, and ISO. These three settings work together to control the how bright or dark your photo is known as exposure, as well as change the overall look of the image. Super important stuff. Now, if you're just getting into photography you might not even know what shutter speed, aperture, and ISO do, so taking control over them can be overwhelming. But don't let that stop you from shooting. Gasp! Yes, it's true. The auto modes Auto, Program, and semi automatic modes Aperture Priority, and Shutter Priority on your camera are great places to start. Manual mode is going to give you much more control over the look of your photos. So why learn to shoot in manual mode if your camera can automatically adjust settings for you. Because manual mode is going to give you much more control over the look of your photos.

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