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# What year is my detroit engine

Have you ever thought much about your ESN or why you might need to know it? Diesel engine serial numbers are vital to ensuring you're getting the right fit for your engine. Engine serial numbers are specific numbers assigned to every individual engine. No engine that exists has the same serial number as another engine. If you know your engine serial number, you can find out the exact parts your engine was built with when it was first made. This post will take you through some of the most popular diesel engine brands and where their engine serial numbers are located. Need an easy reference for locating engine serial numbers? Then download this free quick guide!Download My Guide!

How to Find Your Diesel Engine Serial Number Sometimes it can be hard to find an ESN. Below we've collected the general formats your ESNs will have and where you can find them on your engine. Have questions about finding your ESN? Call our ASE Certified Staff! Give Us A Call! Caterpillar Engine Serial Number Location Most engine serial numbers can be found on the dataplate. As you'll see later in this article, the dataplates for a certain type of engine can be found in various places depending on the model. However, Caterpillar is pretty consistent, and the dataplate on a Caterpillar engine can be found on the driver's side of the valve cover. Caterpillar Engine Serial Number Identification All Caterpillar ESNs have a similar format. They all begin with a three number/letter prefix, followed by 7 digits. The prefixes will correspond to a particular model. For example, prefixes of 1LW, 2WS, 5DS, 5EK, and 6TS indicate that the engine is a 3406E. For the more popular prefixes, people will refer to their engine by the prefix rather than the model. You may have heard someone say, "Oh, yeah, my 6NZ runs like a champ." A 6NZ is a common prefix for a single-turbo C15. Some prefixes' reputations precede them. For example, a C15 with a prefix of MBN is known as a "Bridge motor" (because it was the bridge engine from the mechanical C15 to the electronic C15 ACERT), and is often heavily critiqued. Caterpillar ESN Prefixes by Model 3406: 3406B, 2EK 3ZJ 4CK 4MG 5KJ 7FB 8TC 3406C: 3406E, C7, C12: 1YN 2KS 8YF 9NS 9SM CPD GEP MBL TME C15 and C15 ACERT: 6NZ 9NZ B5R BXS EGH JEP KRA MBN MXS NXS RKS SDP TRB C16: Cummins Engine Serial Number Location Cummins engine will have the engine serial number on the dataplate; however, the dataplate will be in different locations based on the model of the engine. You can find the location of your dataplate in your owner's manual, but if you haven't held on to the physical copy of the manual, then you can access Cummins Quickserv and get a digital copy of the owner's manual there. If you don't have your owner's manual and don't have access to Quickserv, we have the locations for the dataplate on some of the more popular engine models. Cummins ISB: either rocker cover or side of the gear housing Cummins ISC and ISL: top side of the gear housing Cummins ISM: rocker housing, towards the fuel pump side of the engine Cummins ISX: top of the rocker lever cover Cummins QSK45 and QSK60: rear of the engine block Unable to find the dataplate or don't see your engine model listed? It's okay. Cummins also stamps the engine serial number into the passenger side of the engine block for all models. Cummins Engine Serial Number Identification Cummins engine serial numbers look more like a classic serial number than Caterpillar ESNs do. They are composed only of 8 numbers. They're in a specific numerical sequence, based on which engine came off the assembly line first. There is no special designation for particular models. Cummins engines do have something a little unique, called a CPL. This stands for Critical Parts List and, as you can probably guess, is a list of the critical parts of the engine. There are fewer CPLs than ESNs because multiple engines can have the same CPLs. For most major parts of an engine, you can give us a CPL rather than an ESN. Detroit Diesel Engine Serial Number Location We could (and did) write an entire blog on where you can find your Detroit Diesel engine serial number. Detroit is notoriously inconsistent when it comes to ESN placement. While the locations you can find your ESN are often consistent across a model, they aren't always, so don't panic if you go to look in the spot listed below and don't find it. It'll be on the engine somewhere, so just keep looking. Detroit Diesel Series Inline 53: stamped in the upper rear corner of the right side of the block Detroit Diesel Series V53: stamped in the upper right corner of the front of the block Detroit Diesel Series 60: on an option plate with the information located on the left side of the valve cover Detroit Diesel Series Inline 71: printed on the option label, which is attached to the valve cover Detroit Diesel Series V71: stamped into the block in either the left side, upper front corner, or the right side, upper rear corner Detroit Diesel Series V92: stamped on the front side, on either the upper front or upper rear corners Detroit Diesel Series 149: stamped on the rocker cover rail towards the rear Detroit Diesel Engine Serial Number Identification Thankfully, the format of Detroit engine serial numbers is more consistent than their location. It can still get rather complicated though. For the sake of keeping this guide simple, we're just going to go over the highlights. Detroit Diesel Series Inline 53: ESNs begin with 04D and can be found under the model numbers, which begin with 504. Detroit Diesel Series V53: ESNs begin with a 06D and the model numbers begin with 506. Detroit Diesel Series 60: ESNs begin with 06R and model numbers begin with 606. Detroit Diesel Series Inline 71: ESNs begin with 06A and will be near the model numbers, which begin with 106. Detroit Diesel Series V71: ESNs begin with 08VA and model numbers begin with 708. Detroit Diesel Series V92: ESNs begin with 08VF and model numbers begin with 808. Detroit Diesel Series 149: ESNs start with 12E and model numbers that start with 912. Navistar Engine Serial Number Location Navistar actually keeps the ESN location pretty simple. The engine serial number for Navistar engines can be found stamped on a pad on the block. For engines pre-2000 engines, that pad can be found on the left side of the block, just under the head to block parting line. For engines newer than that, the pad is on the right side of the block, between the oil cooler and the top of the block. For most Navistar engines that were built after 1993, you'll need more than just the engine serial number as well. You will also need the engine model, model year, horsepower rating, and torque rating, which can all be found on the emission label. The emission label can be found on the top of the rocker cover or intake manifold. Navistar Engine Serial Number Identification Navistar engine serial numbers are probably the most informative of all the ESNs for the major OEMs. They have a specific format that will provide the engine model, configuration, application, country of origin, and unit number. The first three (or four, in some cases) digits indicate the engine model. For example, 466 or 570H. The letter after the engine model indicates the configuration; B is for turbo JWAC, D is for naturally aspirated, G is for turbo air to air, H is for HEUI, and T is for turbo engines. The next number and letter combination indicates the application; A2 means a service vehicle and M2 means a truck. The next letter will be the same for all, and is a U, which indicates that the country of origin is the United States. The last seven digits indicate the unit number, which is the part that will be different for each different engine. The Importance of Diesel Engine Serial Numbers Long, long ago in a time before electric cars were even conceived, heavy duty diesel engines were first made. These engines were not like mass-produced automotive vehicle engines. There was no standard Make-Model-Year formula that magically gave all engines with the same model name the exact same parts. No, they were special; each individual engine was different as it came down the conveyor belt. And apparently the manufacturers didn't think about what a pain it would be in the future when you need to order parts for repairs. Because of the lack of foresight, finding parts that correctly fit an engine can be incredibly complicated. Engine serial numbers are important because they are the only guaranteed way to find the exact parts that an engine was built with. Usually, if you're buying a single part, providing the part number off the old part will also work. However, if you're looking to get an engine rebuild kit, we will always ask you for an engine serial number. This might seem excessive, but when it comes to an expensive kit with a lot of parts, we want to make sure you're getting the right thing. So, whether you're calling us or using our online quoting tool, be sure to provide your engine serial number. When calling to order parts, we get some people that want to give us VINs (Vehicle Identification Numbers) instead of ESNs. Unfortunately, a VIN is different from an ESN. We are able to look up some VINs to find their coordinating ESNs, but this is not a guarantee. Depending on your vehicle, you can always use our VIN Decoder Resource Guide. Anything this didn't answer for you? Our experienced techs are on hand to answer your questions. Give us a call at 844-304-7688 to get your questions answered! Originally Posted November 8, 2017; Edited December 3, 2020 72 / 100 Powered by Rank Math SEO Swift Equipment also mentions about the diesel engine serial number computation. Some of the new engines having some information regarding the engine data plates but the two types of the motor have the same kind of information that is also just seen inside the block. You can check out the two different numbers such as serial number and the model number. Compute the serial number for the Inline 53 series engines overall It involves the models such as 453, 253, and 353. All kinds of 53 series engine serial numbers can also help different cylinders that denote the letter "D." Say, for instance, 453 serial number can also be of great help that denotes "4D" irrespective of naturally turbocharging, aspirating, marine or the industrial. The overall serial number for inline models can be for the flat surfaces that are seen at corners of the air box and quite near to the deck. The location of a serial number is also contingent on engine's configuration, but flat surfaces are simple in calculating. Engine Model Serial Number Suffix 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 2-71 2A 85067 86279 88906 92258 96031 98179 99832 102060 103084 104064 105345 105936 106014 106114 106233 - - - - - 3-71 3A 79536 80506 81772 83322 85360 86622 88356 91254 93850 96585 98903 99743 100419 101291 101386 101649 101790 102098 102380 102619 102813 102396 4-71 4A 175996 182907 192267 201395 211904 217942 226719 235791 244142 252368 260660 265225 283732 288457 273305 277157 278921 281225 283732 286367 286290 287128 6-71 6A 248936 272037 295884 317658 332518 346759 363474 383376 402393 414833 426666 431867 437367 444805 450007 454231 458175 431334 463867 466239 467847 469561 12-71 12A 7599 - - - - - 24-71 24A 568 - - - - - 2-53 2D 31648 - - - - - 3-53 3D 92337 103048 114363 126016 132996 140042 149459 156459 165142 173980 183686 187591 192100 198002 201788 204163 205630 207447 208728 209719 210623 211669 4-53 4D 81979 91891 104147 118187 130979 142705 153389 163134 173284 185204 197307 201552 206188 211860 215845 218846 221369 223855 225902 227378 228305 229137 6V-53 6D 84457 93545 104554 117870 137232 150301 164924 177379 189278 203804 213393 220648 226970 232563 237118 240091 244387 247601 250817 253379 256278 258413 8V-53 8D 5056 5779 6508 - - 6757 6779 - - - - - 8.2L (DD 500) 8C - - - - - 870 2380 26314 49621 67726 90548 116572 145645 169919 194394 214557 230813 300010 300134 300269 8V-149 8E - - - - - 2502 2516 2533 2554 2594 2632 2654 2680 2714 2784 12V-149 12E 1511 1797 2441 3308 4136 4516 5118 5542 5902 6337 7807 8097 8193 8596 8761 8878 8962 9153 9376 9663 9873 10130 16V-149 16E 258 406 2258 2715 3388 3784 4325 5072 5546 6225 7070 7506 7780 8288 8555 8800 9026 9435 10037 10706 11184 11592 20V-149 20E - - - - - 200012 200020 S50 4R - - - - - 1001 1359 S60 6R - - - - - 46 6414 2489 7912 19370 36682 67287 107892 6V-71 6VA 63698 68936 76103 83893 90735 96214 102397 109395 114948 121419 127934 130333 132764 134457 136777 138249 139512 140642 141280 141688 142124 142478 8V-71 8VA 164953 212755 263580 312998 332778 352434 370909 387198 403649 414883 424827 429985 433763 438112 441455 444781 447118 449111 450085 451040 452007 452670 12V-71 12VA 27217 31036 35732 42694 47948 51768 56934 62224 66325 70811 75323 76898 77992 79193 80439 81348 82196 83332 84317 85241 85948 86899 16V-71 16VA 7991 7696 8793 10414 12225 13472 15078 16154 16815 17665 18647 18997 19254 19438 19555 19691 19767 19868 19974 20063 20123 20192 6V-92 6VF - - 330 753 1163 7597 21033 29536 59288 75269 87940 98800 - 124769 138252 147899 157536 165978 176967 185719 193422 200371 8V-92 8VF - - 608 3000 4398 8331 18770 34236 56967 66994 75197 81446 87677 99597 109240 116454 123521 130586 137828 143409 150345 155992 12V-92 12VF - - - - - 603 605 690 1079 1358 1579 1854 2095 2418 2892 3683 4657 5645 6641 7609 16V-92 16VF - - - 1014 1149 1360 2033 2773 3470 4517 5698 6060 6184 6521 6728 6942 7376 7852 8624 9361 10082 10945 3-53 DB1 - - - - - 1631 4238 53263 - - - - - 4-53 DB1 - - - - - 6103 30611 45568 536323 - - - - - 6V-53 DB1 - - - - - 1501 6057 71863 - - - - - 6V-712 6VW - - - - - 740 951 1160 16913 - - - - - 6V-712 8VW - - - - - 3496 4605 5302 60233 - - - - - It involves the 6V53 and 8V53 models In case of the inline 53 series engines, all the 6V53 and 8V53 engines serial numbers can also begin with the many cylinders that follow the "D" and so 6V53 engines can begin with 6D and also 8V53 engines can start with the "8D". It is not the same as inline 53 models, but both of the V series models and makes can include the serial number at the front right of the bank deck at the engine. Here we have also shown the images and information cannot be on mount deck but even entirely at the front of right bank cylinder head. It also makes it simple to know as you can also check the front edge of the valve cover plus even the dirt, paint and oil layers present and you can also notice the serial number instantly. [/fusion\_text]/[/fusion\_builder\_column]

[/fusion\_builder\_row]/[/fusion\_builder\_container] It involves the 271, 371, 671 and the 471 make and model. The different serial numbers for all the models start with various cylinders followed by the letter A. Say, for instance, 27 begins with the "2A", and the 671 begins with the "6A". Some of the inline 71 make and model starts with the serial number at the small flat section at the front right of cylinder block itself. We found an old 271 in our yard that had the serial number on the left rear section of the engine so as we have stated before, you just really never know. This intention of this article is to simply provide you with the most likely areas to find your serial number information. It involves the 6V92, 8V92, 12V92 and 16V92 make and model. The serial number for all such models can start with the number of cylinders that denotes the letters "VE." Say, for instance, 6V92 will begin with the "16VE". You must also note that difference arises in the turbocharged or aspire based number system that is also applicable to 92 series engines. The 92 series also includes the serial numbers at two different locations: Older drivers can also add them to the right rear of the engine and even a side of the block. The new engine also involves them to the right of the engine that is close to the bank and heads the mounts on which can also be the flat section at the block overall. We are not exactly sure what serial number or year this location changed so if it is not in one area, check the next. As the 50 and 60 are comparatively younger age of the drivers as contrasted with DDC two-stroke engines, then the series 50 and series 60 are one of the simple versions to note. All such engines include the engine data plate that is on the valve covers. It is quite simple for reading from the bottom part from one of the data plates, and you can also check Engine Number that begins with 05R and even called the series 50 or the 06R that is also known as Series 60. All Detroit Diesel engines have an 8 digit model broken into two equal segments of four numbers (1234-5678). Each number in the model number has a very specific purpose, providing valuable information including: The engine series The number of cylinders The engine application The engine arrangement The engine configuration Click on the image below to download our model number guide for all Detroit Diesel two stroke engines as well as the 8.2L, Series 50 and Series 60 four stroke engine models.

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