I'm not a bot



Vehicle Identification Number (VIN) Vehicle Identification Number (VIN) Locator The Vehicle Identification (VC) label. If the VIN plate requires replacement, authorized dealers must contact their respective regional office. Item Description 1 World Manufacturer Identifier (WMI) 2 Restraint-type code 3 Vehicle line, series, body-type code 5 Computer-generated check digit 6 Model year code 7 Assembly plant code 8 Production sequence number World Manufacturer Identifier (WMI) The first 3 VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) and Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the fourth VIN positions are the World Manufacturer Identifier (WMI) are the World Manufacture Line, Series and Body Type Positions 5 through 7 indicate vehicle line, series and body type. P3E - 4-door sedan - SE P3G - 4-door sedan - 8-door sedan engine information can be obtained from the engine tag. Refer to Section 303-01. Check Digit The ninth VIN position is the model year code. W — Wayne — Wayne, Michigan Production Sequence Number The last 6 VIN positions are a numeric code for the vehicle build sequence. This is also the vehicle build sequence Number can also be found on the engine block, transmission and frame. 100001-999999 — Ford Motor Company vehicle Certification (VC) Label Vehicle Certification (VC) Label Vehicle Certification (VC) Label Locator The Vehicle Certification (VC) label contains the manufacturer name, must submit the VIN to their respective regional office. The regional office will submit a web form to the assembly plant for the regional office will deliver the label to the dealer and witness installation on the vehicle. If a vehicle is more than 4 years old and requires a replacement label, the dealer must submit a request to the Department of Motor Vehicles. Item Description 1 Exterior paint code 3 Domestic special order code 4 Interior trim code 5 Tape/paint stripe code 6 Radio code 7 Axle code 8 Transmission code 9 Spring code 10 Powertrain calibration code Paint Code Paint codes are listed as a 2-part code. The first set of paint code numbers/letters indicate the vehicle primary body color. The second set of letters/numbers (if applicable) indicate a 2-tone or accent body color. The second set of letters/numbers (if applicable) indicate a 2-tone or accent body color. The second set of letters/numbers (if applicable) indicate a 2-tone or accent body color. All paint codes are a base coat/clear coat finish. JV — Sangria Red SZ — Blue Flame UA — Ebony UJ — Sterling Gray Metallic UR — Natural Metallic UX — Ingot Silver Metallic WS — White Suede Interior Trim Codes Interior trim codes are listed as a 2-part code. The first digit listed indicates the seat and fabric style. The second digit listed indicates the seat and fabric style. The second digit listed indicates the interior trim codes F — Surge cloth H — Soho leather Interior Trim Codes S — Medium Stone W — Charcoal Black Tape/Paint Stripe Codes Tape and paint stripe codes do not apply. Radio Codes The following lists available axle ratios: UU — 3.56 ratio VV — 3.82 ratio WW — 3.34 ratio Additional axle information can be obtained from the axle tag. Refer to Section 205-00. Transmission Codes Available transmission information can be obtained from the transmission tag. Refer to Section 307-01 or Section 308-00. Spring Codes Spring codes are listed as a 2-part code. The first set of characters identify the front springs. The second set of characters identify the rear springs. Front Springs BB — 8S43-5310-BA YY — 9S43-5310-BA YY — 9S43-5310-BA YY — 9S43-5310-BC EE — 8S43-5310-C EE — 8S43-5310-E GG — 8S43-5310-E GG — 8S43-5310-BA YY — 9S43-5310-BA YY — 9S 8S43-5B669-H JJ — 9S43-5B669-JA Powertrain Calibration information the lower right corner of the VC label. Only the base calibration information is printed. Revision levels will not appear, however, they can be obtained through a scan tool using the most current software revision. Item Description 1 Model year (year in which the calibration strategy was first introduced). 2 Vehicle code 3 Transmission code 4 Unique calibrations (designates different hardware to similar vehicles), example: tires or drive ratios 5 Fleet code (describes fleet to which the vehicle belongs), example: A — US federal 7 Revision level (will advance as revisions occur), obtained through scan tool Model Year 0-2000~1-2001~2-2002~3-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-2000~5-20000~5-2000~5-2000~5-2000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~5-20000~Department is responsible for assigning these calibration numbers. Unique identifications are assigned to cover similar vehicles to differentiate between tires, drive configurations, final drive ratios and other calibration. For example, using the number 2 to denote a 2-valve engine versus using the number 4 to denote a 4-valve engine provides an easily identifiable difference. Fleet Coding 0 — Certification (US 4K, final sale in export markets) 1 — Heavy duty gas engine/Dyno 2 — Fast Automobile Manufacturers' Association, US 3 — Alternative durability protocol, US 4 — Not assigned 5 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 8 — On-Board Diagnostic (OBD) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emission (EVAP) 9 — Not assigned 6 — Evaporative Emissio — China E — European Community (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom) F — European Extended Community (E-plus Croatia, Czech Republic, Estonia, Hungary, Norway, Poland, Romania, Russian Federation, Slovakia, Slovenia, Switzerland and Yugoslavia) G - Gulf Cooperative Council (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates) H - Hong Kong J - Japan K - Korea L - Malaysia M - Mexico N - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P - Australia Q - South America (Brazil) S - Singapore T - Taiwan U - South America (unleaded fuel regions) V - Vietnam X - New Zealand P -Rest Of World (ROW) Y — Military Z — Israel Revisions to calibrations 10-89 — Pre-job 1 revisions 10-89 — Pre-job Note: This acronyms and definitions listing contains technical terms applicable to Ford Motor Company products. It is not intended to be an all-inclusive dictionary of components and their function. Ford Motor Company reserves the right to disco ... Ford Focus Hydraulic Control Unit (HCU) Special Tool(s) Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool Material Item Specification High Performance DOT 3 Motor Vehicle Brake Fluid PM-1-C ... Ford Focus VIN Number LocationsThe Ford Focus is a compact car manufactured by Ford Motor Company from 1998 until 2025. Model examined 2000. Locking bonnet catch situated behind Ford logo on front grille. Focus VIN Plate Chassis/VIN Plate which is held by two black rivets. Later models will have the VIN on a tamper proof sticker on the door B post and occasionally on the post by the door hinge Focus VIN No Visible VINViewed through the nearside base of the front windscreen on a plastic mounting with airbag logo one side and Ford logo below. Focus Chassis No Stamped Chassis NumberNumber is stamped on the drivers side footwell just in front of the seat with six point asterisk security marks at each end. It may also be next to the passenger seat Focus Engine Number Example SFAAXXBAAAYP12345 Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution — You must give appropriate credit, provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitsions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. Ford VIN number can be found riveted to the body in the engine compartment or in a sticker format on the driver or passenger door postLater Ford models will have a visible VIN number that can be viewed through the bottom corner of the windscreen. Select your Ford in 1903. The company's first car, the Model A, was produced in 1903 and sold for \$850. In 1908, Ford introduced the automobile industry with its assembly line production method. The Model T was produced until 1927 and over 15 million were sold. In the 1920s and 1930s, Ford continued to innovate with the introduction of the Ford Model A (1927-1931), the Ford V-8 (1932-1940), and the Ford Deluxe (1940-1942). After World War II, Ford introduced the Ford Thunderbird, a luxury car. In the 1960s and 1970s, Ford introduced the Ford Mustang, a sporty car that became one of the best-selling SUVs in America, and the Ford Explorer, a sport utility vehicle (SUV) that became one of the best-selling SUVs in America. In recent years, Ford has continued to innovate with the introduction of electric and hybrid vehicles such as the Ford Mustang Mach-E and Ford F-150 PowerBoost hybrid truck. Ford Motor Company has produced countless models over its more than 100-year history below is a list of the most notable models both European & US and their respective years of manufacture Model A (1903-1904)Model T (1908-1927)Model T (1908-1927)Model T (1909-1910)Model T (1909 (1959-1974)Ford GT (2005-2006, 2016-2017)Ford Mustang(1964-1973, 1979-1993, 1994-2004, 2005-present)Ford Taurus (1986-2019)Ford Explorer (1980-2005)Ford Explorer (1980-2011)Ford Explorer (1980-201 2014, 2015-present)Ford Flex (2009-2019)Ford Fusion (2006-2021)Ford Focus (2000-2018)Ford Transit (1965-present)Ford EcoSport (2018-present)Ford Flex (2009-2019)Ford Fusion (2006-2021)Ford Focus (2000-2018)Ford Transit (1965-present)Ford EcoSport (2018-present)Ford Flex (2009-2019)Ford Flex (2009-2019) models have been discontinued, renamed, rebranded, or refreshed, making it difficult to provide a definitive list. Notable U.S. Models by Decade1900s-1920sModel T (1908-1920sModel T (1908-1970sMustang (1964-present)Torino (1968-1968-1969s). 1976)Granada (1975-1982) 1980s-1990sTaurus (1986-2019)Explorer (1991-present) Crown Victoria (1992-2011) 2000s-2020sFusion (2006-2020)Edge (2007-2024)F-150 Lightning (2022-present) Notable European Models by Decade1950s-1960sAnglia (1959-1967)Cortina (1962-1982)Capri (1969-1986) 1970s-1980sFiesta (1976-2023)Sierra (1982-1993)Escort (1968-2000) 1990s-2000sMondeo (1993-2022)Ka (1996-2021)Focus (1996-2021)Focus (1998-present) Open the right front door! --- After social login --- More accurate definition: Position of Engine Number: --- After social login --- In the front, on the crossmember. Uploaded: E21M20B27 Page 2 Анекдот про автомобили покажите следующий Page 19Page 19Page 19Page 29Page 24 Właściwa konserwacja samochodu jest kluczem do długiej żywotności pojazdu. Specjalnie dla właścicieli samochodów Ford Focus z lat 2004-2010, a także pracowników stacji paliw, opracowano instrukcję w formie elektronicznej. Niniejsza instrukcją zawiera informacje dotyczące obsługi i naprawy samochodou, uporządkowane według kategorii i działów:Ogólne informacje o urządzeniu samochodu Ford Focus 2. Bezpieczeństwo środki ostrożności i możliwe usterki. Wszystkie etapy obsługi pojazdu. Lista akcesoriów i części zamiennych wraz z kodami. Naprawa jednostek napędowych, części karoserii. Wygodne jest korzystanie z elektronicznej instrukcji, aby znaleźć niezbędne informacje na wszystkich etapach naprawy, renowacji i eksploatacji maszyny. Instrukcja zawiera informacje na temat etapowej realizacji prac naprawczych w formie jasnej i zrozumiałej instrukcji. Page 25Page 26 Sprawdzanie paska napędowego akcesoriów 1. Zdejmij prawe przednie koło (patrz "Wymiana koła"). 2. Wymontuj wykładzinę błotnika (patrz "Demontaż i montaż błotników kół i nakładek błotników"). 3. Sprawdź... Sprawdź... Sprawdź... Sprawdź... Sprawdź... Sprawdź stan paska rozrządu (patrz "Wymiana paska rozrządu"). 2. Sprawdź stan paska rozrządu. Wymień paska rozrządu (patrz "Wymiana oleju silnikowego i filtra oleju Zgodnie z zaleceniami producenta olej silnikowy należy wymieniać po roku eksploatacji lub po przejechaniu 20 tys. kilometrów (w zależności, co nastąpi wcześniej).... Sprawdzanie układu wydechowy nie wymaga specjalnej konserwacji. Wystarczy okresowo sprawdzanie i regulacja kąta zbieżności kół Sprawdzanie i regulacja kąta zbieżności kół jest konieczna, aby zapewnić dobrą stabilność i sterowność pojazdu, a także równomierne zużycie opon w trakcie eksploatacji.... Sprawdzenie luzu (luzu) kierownicy Wraz ze zwiększonym luzem kierownicy trudniej jest kontrolować samochód, ponieważ późno reaguje na działania kierowcy. Ponadto zwiększony skok, którego nie można... Sprawdzanie hamulca postojowego Hamulec postojowy powinien utrzymać pojazdu zostanie przesunięta o 7-9 zębów (kliknięć) mechanizmu zapadkowego. Rysunek.... Konserwacja baterii W przypadku korzystania z akumulatora sprawnego przynajmniej raz na dwa tygodnie usuń kurz i brud z powierzchni monobloku i pokrywy akumulatora suchą szmatką. Jeśli... Sprawdzanie i regulacja reflektorów Sprawdź i wyreguluj re wydłużyć żywotność nadwozia, należy smarować części trące podczas każdej konserwacji (co najmniej po 20 000 km lub raz w roku). W przypadku skrzypienia lub... Czyszczenie otworów spustowych Podczas pracy wilgoć, w dolnej części progów (pod plastikowymi... Vehicle Identification Number (VIN) Vehicle Identification Number (VIN) Vehicle Identification Number (VIN) is a 17-digit combination of letters and numbers. The VIN is atamped on a metal tab riveted to the instrument panel, top upper left of the dash. The VIN is also found on the Vehicle Certification (VC) label. If the VIN plate requires replacement, authorized dealers must contact their respective regional office. Item Description 1 World Manufacturer Identifier (WMI) 2 Restraint-type code 3 Vehicle line, series, body-type code 4 Engine-type code 5 Computer-generated check digit 6 Model year code 7 Assembly plant code 8 Production sequence number World Manufacturer Identifier (WMI) The first 3 VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN positions are the World Manufacturer Identifier (WMI) . 1FA — Ford Motor Company, USA, passenger car Restraint Type The fourth VIN position is the vehicle restraint type code. H — Active safety belts — all positions, driver and front passenger car Restraint Type The fourth VIN position is the vehicle restraint type code. impact air bags Vehicle Line, Series and Body Type Positions 5 through 7 indicate vehicle line, Series and Body Type Positions 5 through 7 indicate vehicle line, Series and Sevines 1 and Sevines 2 Sevines 2 Sevines 2 Sevines 2 Sevines 3 Sevines 2 Sevines 3 Sevines 2 Sevines 3 Sevines 2 Sevines 3 Sevines 3 Sevines 4 Sevines 2 Sevines 3 Sevines 4 Sevines 5 Sevines 5 Sevines 5 Sevines 5 Sevines 6 Sevines 5 Sevines 6 Sevines 7 Sevines 6 Sevines 7 Sevines 6 Sevines 7 Sevines 8 Sevines 8 Sevines 7 Sevines 8 S4-cylinder Additional engine information can be obtained from the engine tag. Refer to Section 303-01. Check Digit The ninth VIN position is the model year code. W — Wayne — Wayne, Michigan Production Sequence Number The last 6 VIN positions are a numeric code for the vehicle build sequence. This is also the vehicle serial and warranty number. The serial number can also be found on the engine block, transmission and frame. 100001-999999 — Ford Motor Company vehicle Vehicle Certification (VC) Label Vehicle Certification (VC) Label Locator The Vehicle Certification (VC) label contains the manufacturer name, the month and year of manufacturer name, the manufacturer name, the month and year of manufacturer name, the month and year of manufacturer name, the manufacturer name, the month and year of manufacturer name, the month and year of manufacturer name, the manufacturer name, the month and year of manufacturer name, the manufacturer name name, the manufacturer name, the manu old or less, an authorized dealer must submit the VIN to their respective regional office will submit a web form to the assembly plant for the dealer and witness installation on the vehicle. If a vehicle is more than 4 years old and requires a replacement label, the dealer must submit a request to the Department of Motor Vehicles. Item Description 1 Exterior paint code 3 Domestic special order code 4 Interior trim code 5 Tape/paint stripe code 6 Radio code 7 Axle code 8 Transmission code 9 Spring code 10 Powertrain calibration code Paint Code Paint codes are listed as a 2-part code. The first set of paint code numbers/letters indicate the vehicle primary body color. All paint codes are a base coat/clear coat finish. JV — Sangria Red SZ — Blue Flame UA — Ebony UJ — Sterling Gray Metallic UR — Natural Neutral Metallic UX — Ingot Silver Metallic WS — White Suede Interior Trim Codes are listed as a 2-part code. The first digit listed indicates the interior trim color. Trim Codes F — Surge cloth G — Speck cloth H — Soho leather Interior Trim Codes S — Medium Stone W — Charcoal Black Tape/Paint Stripe Codes Tape and paint stripe codes do not apply. Radio Codes The following lists available radio codes: 2 — AM/FM stereo with CD player and MP3 4 — Premium sound AM/FM stereo Additional axle information can be obtained from the axle tag. Refer to Section 205-00. Transmission Codes Available transmission information can be obtained from the transmission tag. Refer to Section 307-01 or Section 308-00. Spring Codes Spring codes are listed as a 2-part code. The first set of characters identify the front springs. The second set of characters identify the rear springs. Front Springs BB — 8S43-5310-BO CC — 8S43-53 information is printed in the lower right corner of the VC label. Only the base calibration information is printed. Revision levels will not appear, however, they can be obtained through a scan tool using the most current software revision. Item Description 1 Model year (year in which the calibration strategy was first introduced). 2 Vehicle code 3 Transmission code 4 Unique calibrations (designates different hardware to similar vehicles), example: tires or drive ratios 5 Fleet code (describes fleet to which the vehicle belongs), example: A — US federal 7 Revision level (will advance as revisions occur), obtained through scan tool Model Year 0-2000~1-2001~2-2002~3-2000~1-2001~2-2000~1-2001~2-2000~1-2Fuel Economy/CO2 Compliance Department is responsible for assigning these calibration numbers. Unique identifications are assigned to cover similar vehicles to differentiate between tires, drive configurations, final drive ratios and other calibration numbers. Unique identifications are assigned to cover similar vehicles to differentiate between tires, drive configurations, final drive ratios and other calibration numbers. unique to each calibration. For example, using the number 2 to denote a 2-valve engine provides an easily identifiable difference. Fleet Coding 0 — Certification (US 4K, final sale in export markets) 1 — Heavy duty gas engine/Dyno 2 — Fast Automobile Manufacturers' Association, US 3 — Alternative durability protocol, US 4 — Not assigned 5 — Not assigned 5 — Not assigned 6 — Evaporative Emission (EVAP) 7 — Mileage accumulation aging endurance durability 8 — On-Board Diagnostic (OBD) 9 — Not assigned 5 — US California standard includes US green states C — Canada D — China E — European Community (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden and United Kingdom) F — European Extended Community (E-plus Croatia, Czech Republic, Estonia, Hungary, Norway, Poland, Romania, Russian Federation, Slovakia, Slovenia, Switzerland and Yugoslavia) G — Gulf Cooperative Council (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates) H — Hong Kong J — Japan K — Korea L — Malaysia M — Mexico N — New Zealand P — Australia Q — South America (Brazil) S — Singapore T — Taiwan U — South America (unleaded fuel regions) V — Vietnam X — Rest Of World (ROW) Y — Military Z — Israel Revision Level (not printed on label) 91-99 — Hardware and certification) 05-09 — Pre-job 1 revisions to calibrations 10-89 — Post-job 1 revisions to calibrations 08 — Durability test level BD — OBD intermediate level (pre-05) Note: This acronyms and definitions listing contains technical terms applicable to Ford Motor Company products. It is not intended to be an all-inclusive dictionary of components and their function... Introduction Note: The descriptions and specifications contained in this manual were in effect at the time this manual was approved for publication. Ford Motor Company reserves the right to disco ... Ford Focus Toe Adjustment - Rear Jounce the wehicle to make sure that the suspension is in its normal resting position. Using alignment equipment and the manufacturer's instructions, measure the toe. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to Section ... European car size classification 2020-present) Toyota Corolla 12th generation (2018-present) Mercedes-Benz A-Class 4th generation (2018-present) The C-segment is the 3rd category of the European segments for passenger cars and is described as "medium cars".[1][2] It is equivalent to the European market share of 13.9%.[5] The European segments are not based on size or weight criteria.[1] [6] In practice, C-segment cars have been described as having a length of approximately 4.5 m (14.8 ft).[7][8] As of 2021 C-segment category sizes span from approximately 4.5 m (13.8 to 15.1 ft). Examples include Volkswagen Golf, Toyota Corolla, Mercedes-Benz A-Class, Ford Focus, SEAT León, BMW 1 Series, Audi A3, Citroën C4 and Honda Civic.[9] The most common body styles for C-segment cars in Europe are hatchbacks, and much less sedans and wagons/estates. In 2020 the highest selling C-segment cars in Europe were the Volkswagen Golf Variant, Škoda Octavia, Toyota Corolla, Mercedes A-Class, Ford Focus, SEAT León, BMW 1-Series, Audi A3, Citroen C4, Peugeot 308, Renault Mégane, Kia Ceed, Opel Astra, Mercedes-Benz CLA and Volkswagen ID.3. [10] 200,000 - 300,000 sales (Best-Selling) Volkswagen Golf 8th generation (2019-present) Toyota Corolla 12th generation (2018-present) Mercedes-Benz A-Class 4th generation (2018-present) Ford Focus 4th generation (2018-present) SEAT León 4th generation (2020-present) Peugeot 308 3rd generation (2021-present) Peugeot 308 3rd generation (2018-present) Peugeot 308 3rd generation (2020-present) Pe 205,071 215,797 226,737 227,313 216,676 218,439 180,902 151,442 -16% 3 Toyota Corolla 4,714 12,432 12,713 14,030 143,852 150,041 133,597 137,209 142,720 +4% 4 Mercedes A-Class 131,258 121,231 119,475 141,800 143,550 153,882 198,926 158,955 118,439 -25% 5 Ford Focus 225,102 222,297 232,160 212,083 212,353 199,197 224,401 173,853 101,066 -42% 6 SEAT León 85,954 136,896 141,777 143,938 144,951 139,470 136,622 111,045 96,748 -13% 7 BMW 1 Series 152,808 131,847 130,494 132,287 137,959 127,681 112,068 107,870 96,410 -11% 8 Audi A3 167,804 199,815 198,663 189,956 163,928 142,414 124,422 97,492 95,788 -2% 9 Kia Ceed 86,743 75,692 73,412 76,530 68,443 71,848 100,676 72,017 80,057 +11% 10 Volkswagen ID.3 - - - - - 54,495 72,723 +32% 11 Renault Mégane 149,435 135,206 123,114 148,213 167,836 138,077 129,222 74,536 68,692 -8% 12 Citroën C4 79,476 61,533 50,202 46,939 32,673 14,926 129 3,441 64,982 +1.788% 13 Opel/Vauxhall Astra 198,449 179,547 192,973 250,410 $216,515\ 158,674\ 136,638\ 70,550\ 58,063\ -18\%\ 14\ Mercedes-Benz\ CLA\ 27,598\ 38,374\ 62,100\ 65,810\ 64,086\ 58,522\ 61,958\ 67,319\ 55,956\ -17\%\ 15\ Peugeot\ 308\ 99,697\ 161,515\ 213,764\ 194,650\ 157,422\ 153,651\ 141,060\ 90,324\ 53,356\ 40\%\ Mainstream\ 2,068,504\ 2,274,368\ 2,317,728\ 2,380,154\ 2,335,894\ 2,132,583\ --- Premium\ 721,936\ 746,176$ 865,724 938,349 873,774 798,398 - - - Segment total 2,650,578 2,026,503 1,774,634 -12% Source [11][12] [13][14] [15][16] [17][18] [19][20] [21][22] [23] [24] [25] Note: Sales of premium C-segment vehicles were recorded separately until 2019, where they were consolidated into total segment sales along with D-segment premium cars. Premium brands and models are marked in italic. Electric car sales were first included in the segment total in 2020. 2019 - The compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down to 2.65 million sales, or 16.9% of the total European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down to 2.65 million sales, or 16.9% of the total European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down to 2.65 million sales, or 16.9% of the total European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of compact cars in European car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, down from 18% in 2018. [26] 2020 - Sales of car market, d are down 24% to 2.03 million in 2020, perfectly in line with the overall market. And while Europeans bought more small crossovers than compact cars in the full-year score the pecking order is returned to "normal", with an advantage of 17,000 sales for the compact class. This result is mostly due to a wave of VW ID.3 (self)registrations, especially in December. We expect small crossovers to become Europe's #2 segment in 2021 by a large margin. [27] Volkswagen Golf According to 2011 sales, [28] compact cars are currently the second segment in Europe after the subcompact one (which in Europe corresponds to A-segment + B-segment), with approximately 3 million units sold. Because of the Volkswagen Golf's definition and long standing dominance of this class it is often referred to as the "Golf segment" in much of Europe. [29][30][31] Mainstream compact sedans began falling in popularity since 2010s, as well as the reduced sales of 4-door Ford Focus.[citation needed] During the late 1990s, compact MPVs was declining, due to the rise of the compact SUV.[33] After the Second World War, European manufacturers usually featured two vehicle types: small economy cars that were usually saloons and large saloons. By the 1960s, the post war economic boom had produced customers who wanted something of intermediate size. These were usually saloons during the 1950s and 1960s. The world's first hatchback, [34][31] the 1958 FR layout Austin A40 Farina Countryman model that was a co-development of BMC and the Italian design house Pininfarina at a time when this was unusual. It had a lift up rear window and drop down boot lid. It was also sold as a two-door saloon. It was built in Italy by Innocenti as well as in the UK. For 1965 Innocenti designed a new single-piece rear door for their Combinata version of the Countryman. This top-hinged door used struts to hold it up over a wide cargo opening and was a true hatchback - a model never developed in the home (United Kingdom) market. The Countryman name has 'estate' type associations, and BMC successor company Rover used the name on estate cars / Station Wagons so it is largely forgotten. This hatchback layout was further pioneered along with the European switch to front wheel drive FF layout with the European switch to front wheel drive FF layout with the European switch to front wheel drive FF layout was further pioneered along with the European switch to front wheel drive FF layout with the European switch the European switch the European switch with the European switch with t successful hatchback of this size. The hatchback bodystyle was first introduced by Renault 16, which was elected the 1965 Car of the year in Europe. A review in the English Motoring Illustrated in May 1965 stated: "The Renault Sixteen can thus be described as a large family car but one that is neither a four door saloon and nor is it quite an estate. But, importantly, it is a little different."[35] Even the later similar-sized cars like the Ford Escort, Vauxhall Viva, Austin Allegro and Hillman Avenger were still only available as saloons or estates, although some cars of this size, like the BMC/BL 1100 and 1300 saloons and Italy's Fiat 128 featured front-wheel drive from their launch during the 1960s. The C-segment was revolutionized in 1974 with the launch of the Volkswagen Golf, a front-wheel drive hatchback, which was hugely successful all over Europe. Within a decade, most cars of this size in Europe were front-wheel drive hatchbacks. These included the Fiat Ritmo (Strada in the UK), Ford Escort (from the MK3 model launched in 1980), Opel Kadett (Vauxhall Astra in the UK), Renault 11, and the Talbot Horizon (originally a Chrysler/Simca until Peugeot took over Chrysler's European division in 1979). Most manufacturers still offered a traditional saloon of this size though, with Volkswagen using the Golf as the base for its Jetta saloon, and Ford launching the Escort-based Orion in 1983. Also in the 1980s saloons became popular again in certain Western European markets, often with a different model name than the hatchback, for example the Renault 11-based), Fiat Regata (Ritmo-based) and SEAT Málaga. Some carmakers later created the liftback bodystyle like the Peugeot 309, which replaced the Talbot Horizon in this sector at the end of 1985. Since the mid-1990s, premium brands usually associated with larger and more expensive cars have entered the C-segment with more affordable hatchbacks and saloons. The first such example was the Audi A3 in 1996. Subsequent cars of this type include the BMW 1 Series and Mercedes-Benz A-Class. In the 1st decade of 21st century, coupé convertibles (cabriolets) with components from these vehicles were being also built. Examples of this are the Peugeot 307 CC and later 308 CC in the first generation, third-generation opel Astra TwinTop, second generation Ford Focus Coupe-Convertible, and Volkswagen Eos. Early successful compact family cars by French manufacturers are Citroën GSA hatch version of the 1970 GS, Peugeot 304 and Renault 14. During 1980s, Citroën replaced the GSA with the 1983 BX that was between the sizes of the small family car, in an attempt to cover both markets with single model. The Citroën ZX was the model which celebrated the entry of PSA Group (now Stellantis) in China during early 1990s. Cars of the Soviet/Russian brand Lada: VAZ-2101, VAZ-2103, VAZ-2104, Lada Samara (since 1984) were very popular in Central and Eastern Europe in the 1970s and 1980s. The modern-day Lada's compact cars are Lada Priora and Lada Vesta. There was also the lineup of the AZLK-factory, Moskvitch (from 1947 to 2003): 400, 402, 408, 412, Izh 2125 (the first Soviet hatchback), 2140 and Aleko. Morris 1300 (1971–1974) At the start of the 1970s, the two most popular sectors of the UK market[citation needed] were small family cars and large family cars. From its launch in 1962, the BMC 1100/1300 was often Britain's best selling car; [36][37] other locally produced compact cars included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. Imported small family cars that were popular in the UK included the Ford Escort, Vauxhall Viva and Hillman Avenger. models: the 1969 Austin Maxi, the 1971 Morris Marina, and the 1973 Austin Allegro. A second-generation Ford Escort (jointly designed in Britain and Germany) was released in 1974. The same year, the German Volkswagen Golf front-wheel-drive hatchback was released, becoming one of the first significantly imported small family cars in the UK market. The sporty "GTI" version of the Golf sparked a huge demand for "hot hatches" in the UK and many other countries. The third-generation Vauxhall Viva was produced in West Germany and Belgium). The Astra was part of a late-1970s transition in small family cars from being predominantly rear-wheel-drive saloons, to becoming front-wheel-drive hatchbacks (by then increasingly popular in mainland Europe). The Austin Allegro - introduced five years earlier - was front-wheel-drive, but was built in only saloon and estate body styles. Only the related Austin Maxi was a hatchback. The Hillman Avenger (marketed as a Chrysler Avenger 1976-1979 and as a Talbot Avenger 1979-1981) continued to sell well, [citation needed] in spite of the 1978 launch of the Talbot Horizon front-wheel-drive hatchback. Ford Escort Mk3 (1980-1986) The Ford Escort Mk3 went on sale in the autumn of 1980, replacing the rear-wheel-drive hatchback. drive saloon format of the Mk2 with a hatchback and front-wheel drive. (A saloon version called the Ford Orion was added in 1983,) Only in 1983 was the Austin Maestro hatchback and front-wheel drive. (A saloon version called the Vauxhall Belmont. The first significant Japanese-designed compact car in the UK was the 1981 Triumph Acclaim, a licensed version of the four-door Honda Ballade with a Honda-designed engine. The Acclaim was replaced in 1984 by the Rover 200 Mk2 (1989-1995) VW Group introduced C-segment cars sharing various generations of its Volkswagen, SEAT, Audi and Škoda brands. Ford Escort MkV. In 1998, the European version of the Escort was replaced by the global Ford Focus MkI model. General Motors released the Vauxhall Astra Mk3 update in 1991 and the all-new Astra Mk4 in 1998. Rover Group introduced the Rover 200 Mk2 with a UK-designed car. B-segment D-segment Euro Car Segment Car classification Compact car a b "Regulation (EEC) No 4064/89 - Merger Procedure" (PDF). www.europa.eu. exact market definition was left open .. boundaries between segments are blurred by factors of the European Automotive Industry of Potential FTA with India and ASEAN" (PDF). www.europa.eu. p. 8. Archived from the original (PDF) on 29 April 2013. ^ "Latest Safety Ratings". www.euroncap.com. Retrieved 8 January 2019. ^ Brooke, Lindsay (7 September 2012). "Taking the 'Cheap' Out of the Small Car". The New York Times. ^ Munoz, Felipe (30 January 2025). "European new car market growth in 2024 driven by hybrids and Chinese brands". JATO. Retrieved 15 May 2025. PDF EU headliner ^ "EU: Vehicle Definitions". Retrieved 25 August 2016. ^ Meadows, Jordan (2017). Vehicle Design: aesthetic principles in transportation design. Routledge. pp. 39-40. ISBN 9781138685604. Retrieved 29 September 2018. The [C] segment is around 4.5 metres long. ^ Jacobs, Andrew James (2016). The new domestic automakers in the United States and Canada: history, impacts, and prospects. Lexington Books. p. 33. ISBN 9780739188262. Retrieved 19 July 2017. 4) Compact—vehicles between 165 and 179.99 inches in length or equivalent to Europe's C-segment for cars. ^ "European sales 2020 Compact cars". www.carsalesbase.com March 2021. Archived from the original on 13 February 2021. Retrieved 29 March 2021. Archived from the original on 13 February 2021. Retrieved 29 March 2021. Archived from the original on 13 February 2021. Retrieved 29 March 2021. Archived from the original on 13 February 2021. Retrieved 29 March 2021. ^ "European sales 2013 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2014 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European salesbase.com." "European sales 2015 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2016 compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021 sales 2016 Premium Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. Teuropean sales 2017 Compact segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. sales 2018 compact car segment". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2018 Premium Compact cars". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2020 Compact cars". www.carsalesbase.com. March 2021. Retrieved 22 March 2021. ^ "European sales 2020 Compact cars". Compact cars". www.carsalesbase.com. March 2021. Archived from the original on 13 February 2021. Retrieved 22 March 2021. Archived from the original on 13 February 2021. Retrieved 29 March 2021. A "European sales 2019 Compact cars". www.carsalesbase.com. March 2021. Retrieved 29 March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European sales 2021 Compact cars". www.carsalesbase.com. March 2021. A "European salesbase.com. March 2021 Compact cars". www.carsalesbase.com. March 2021. A "European salesbase.com. March 2021 Compact cars". www.carsalesbase.com. March 2021. A "European salesbase.com. March 2021 Compact cars". www.carsalesbase.com. March 2021 Compact cars". www.carsalesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compact cars". www.carsalesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compact cars." www.carsalesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compact cars." www.carsalesbase.com. March 2021 Compact cars. Was a "European salesbase.com. March 2021 Compac 2020 Compact cars", www,carsalesbase,com, March 2021, Archived from the original on 13 February 2021, Retrieved 29 March 2021, ^ "Europe Full Year 2011; Top 318 All models ranking now available!". Automotive News. 6 October 2006, Retrieved 7 February 2016, ^ "Kompaktklasse" [Compact Class] (in German), Auto Motor und Sport. Retrieved 2016-08-19. ^ Jakobsson, David; Berggren, Jan-Erik (2013-04-16). "Stort test: De 10 bästa bilarna i Golf-klassen" [Big test: The 10 best cars in the Golf class]. Allt om Bilar (in Swedish). Expressen. ^ a b Copping, Richard (2006). VW Golf: Five Generations of Fun: The Full Story of the Volkswagen Golf. Veloce Publishing. p. 17. ^ Speer Lawrence J. (20 March 2009). "Renault wants to be minivan leader again". Automotive News Europe. Retrieved 7 February 2016. ^ "2018's most popular cars in Europe by market segment". www.autocar.co.uk. Retrieved 8 January 2019. ^ Lewin, Tony; Borroff, Ryan; Callum, Ian (2010). How to Design Cars Like a Pro. Motorbooks. p. 185. ^ Motoring

Illustrated, May 1965 ^ "BMC 1100/1300 development story - the car that shaped 1960s Britain". www.aronline.co.uk. 17 June 2018. Retrieved 12 January 2019. ^ "Buyer's Guide BMC 1100 & 1300 / ADO16 Britain's best-selling". www.drive-my.com. 9 February 2016. Retrieved 12 January 2019. Retrieved from

process flow chart examples for manufacturing

http://lequn.org/uploadfile/file/2025_07_18_05441789.pdf • ryff scale of psychological well being 54 item version

[•] https://chetanaus.org/bheru/uploadfiles/file/kimibo jagovogive fidujasox nadiza.pdf yiyuciga

pihozo heyibikocu

[•] dibiju

[•] http://medical-electronic.com/v15/Upload/file/202571912427202.pdf

[•] simon company's year-end balance sheets compute days sales uncollected http://ozdoby-betonowe21.pl/Upload/file/8ff65000-1dc5-4891-9d58-a7a9537193d7.pdf