Fiat tipo manual egypt



This article is about the Fiat 124 Spider, see TurinMalaysia: Johor Bahru (KPKK)[1]Morocco: Casablanca (Somaca)[2]Body and chassisClassSmall family carBody style4-door saloon5-door station wagon2-door spider (124 Sport Coupé)2-door spider (124 Sport Spider)LayoutFR layoutFR 124/Tofaş SerçePremier 118NEPowertrainEngine1,197 cc OHV I41,438 cc OHV I41,438 cc OHV I41,438 cc OHV I41,438 cc DOHC I41,756 (64.0 in)Height1,420 mm (55.9 in) (saloon)1,440 mm (56.7 in) (station wagon)Kerb weight855–950 kg (1,885–2,094 lb)ChronologyPredecessorFiat 1300 SuccessorFiat 1300 SuccessorFiat 1300 and was the basis for several variants including a station wagon, a four-seater coupé (124 Sport Coupé), a two-seater convertible (124 Sport Spider) and a lengthened and more luxurious version, the 125, launched in early 1967. The Russian-built VAZ-2101 "Zhiguli" and its many derivatives (known universally as the Lada outside the Soviet Union) were based on the Fiat 124, and are the best known of the many licensed variants of the 124 manufactured around the world. The Lada constitutes the vast majority of 124 production, and makes it the fifth best selling automotive platform in history. The 124 was superseded in its home market by the Fiat 131. History Following its introduction in 1966 with a publicity stunt, with Fiat filming the dropping of the car by parachute from a plane, [6][7] the 124 won the 1967 European Car of the Year. [8] As a clean-sheet design[clarification needed] by Oscar Montabone, the chief engineer responsible for its development, [9] the 124 used only the all-synchromesh gear box from the Fiat 1500. [9] The 124 featured a spacious interior, advanced coil spring rear suspension, disc brakes on all wheels and lightweight construction. A 5-door station wagon variant (named 124 Familiare on its home market) as well as the 124 Sport Spider variants debuted at the 48th Turin Motor show in November 1966.[10] A few months later, at the March 1967 Geneva Motor Show, the 124 Sport Coupé completed the range.[11] The two Sport models were powered by an all-new 1.4-litre dual overhead camshaft engine producing 90 DIN-rated PS (66 kW; 89 hp) at 6,500 rpm.[12] The 124 Special In October 1968 Fiat launched the 124 Special; like Fiat's other Special models, it was an upmarket, better appointed and higher performance variant of the standard saloon. A month after, in November, it was displayed at the 50th Turin Motor Show alongside its larger sibling, the new 125 Special.[13] In addition to a 1.4-litre overhead valve engine, the 124 Special notably introduced all-new 5-link (four longitudinal, one transverse) solid axle rear suspension in place of the original 3-link design.[14] Starting from late 1968 the same improved rear axle was adopted by both Sport models.[12] In detail the Special's 1,438 cc type 124 A2 engine had the same bore and stroke of the Sport Coupé and Sport Spider engines (80 × 71.5 mm), but eschewed the dual overhead camshafts of the two sportscars in favour of the more conventional overhead valve setup from the 124 saloon. With a downdraught (instead of the 1.2's sidedraught) twin-choke Weber 32 DHS or Solex C32 EIES carburettor and a 9.0:1 compression ratio, engine output was 70 DIN-rated metric horsepower (51 kW; 69 hp) at 5,400 rpm and 110 DIN-rated metric horsepower (51 kW; 69 hp) at 5,400 advertised a top speed of over 150 km/h (93 mph). Besides engine and rear axle, notable mechanical changes from the regular 124 were an alternator replacing the dynamo, an uprated clutch, standard radial tyres, and the addition of a vacuum servo to the all-disc braking system.[15] Visually the Special could be immediately distinguished from the standard model by its new, rectangular grille with four inset round headlamps. Less evident differences were larger vertical bumper over-riders, wheels with integrated reflectors, and a central back-up light. The interior featured a redesigned padded dashboard with an oval binnacle housing two round instruments and a car radio console, a steering wheel without horn ring, new door cards, and more supportive seats.[15] Fiat 124 S Fiat 124 S 1970 revisions and the 124 Special T At the November 1970 Turin Motor Show Fiat introduced a round of updates for the entire saloon and wagon 124 range, as well as a new model variant—the 124 Special T.[16] Fiat 124 Special T 1600 All models had gained air outlets added to the C-pillar for better ventilation, and a split brake circuit; while some features previously exclusive to the 124 Special Special T.[16] Fiat 124 Spec across the range.[16] Berlina and Familiare both had a new grille with alternated chrome and black horizontal bars, and larger bumper over-riders. Additionally the Berlina had large, nearly square tail lamps made up by two stacked rectangular elements. Fiat 124 Special 1400 The renewed Special sported a completely redesigned front end. A black, square-mesh radiator grille was crossed by a horizontal bright bar joining the dual headlamps; each of the four round lamps was set in its own square, bright-edged housing. The grille-headlamps assembly was flanked by the turn indicators. Front and rear the bumpers had lost their over-riders, replaced by full-width rubber strips. At the rear the lamps were also new—still horizontal and rectangular in shape unlike the ones used on the standard saloon—and the whole tail panel was surrounded by a chromed profile. Inside there was a new dashboard with imitation wood inserts, carpets instead of rubber mats, and cloth upholstery. The car's 1,438 cc dual overhead camshaft engine, derived from the Sport Coupé and Spider but in a milder state of tune.[17] Coded 124 AC.300, this engine had revised valve timing and fuel system and produced 80 DIN-rated PS (59 kW; 79 hp) at 5,800 rpm and 112 DIN-rated N·m (83 lb·ft) of torque at 4,000 rpm. According to the manufacturer top speed was 160 km/h (99 mph). Externally the Special T was identical to the Special, save for model badging at the rear.[17] Engines Power came from a 1.2 L (1,197 cc) Fiat OHV inline-four engine. The twin cams are connected to a four-speed and five-speed gearbox. 1200 (1,197 cc) - 60 PS (44 kW; 59 hp) - 66 PS (49 kW; 65 hp) (1966-1974) 1400 (1,438 cc) - 70 PS (55 kW; 74 hp) (1968-1974) 1400 Special T (1,592 cc) Twin cam - 95 PS (70 kW; 94 hp) (1973-1974) 1400 Special T (1,438 cc) Twin cam - 80 PS (59 kW; 79 hp) (1968-1972) 1600 Special T (1,592 cc) Twin cam - 95 PS (70 kW; 94 hp) (1973-1974) Abarth Rally (1,756 cc) Twin cam - 128 PS (94 kW; 126 hp) (1972-1973) 2000 (1,920 cc) Twin cam - 115 PS (85 kW; 113 hp) (1979) Foreign production Throughout the 1960s and 1970s, Fiat sought to extend its worldwide reach by entering into various collaborative agreements with smaller manufacturers (mostly in developing nations) by licensing the 124 design following its discontinuation in mainstream Western European markets. The best known (and most produced) of all the 124 derivates is the Russian-built Lada, which has to date, sold over 15 million units. Soviet Union/Russia Main article: VAZ-21011 In 1966, Fiat entered into a collaborative agreement with the Soviet government to establish car manufacture in the Samara region of Russia. Fiat was contracted to take part in the creation of the massive VAZ plant in the newly created town of Togliatti, named after the Italian communist leader of the same name. The factory produced an adapted version 124R of the 124, known as the VAZ-2101 "Zhiguli" (sold as the Lada 1200/1300 in export markets), until 1982, and 1200s until 1987. Based on the 124, they were modified at more than 800 points, the major modifications include the VAZ-2102 (station wagon), 2103 (Lada 1500), 2106 (Lada 1600) and 21011 (Lada 1300). The updated and restyled versions of the 124-based design were produced until September 2012, as the VAZ-2104, 2105 and 2107 – marketed as the Lada Riva in UK markets. Production of this line reached 17,332,954 cars,[18] this being the second largest production volume for a car in automotive history. India 1989 Premier 118NE The Fiat 124 was also introduced in India by Premier Automobiles Limited. In 1981 Premier began the process of acquiring the production from Fiat.[19] The model was released in the
autumn of 1985 as the Premier 118NE.[20] The car was very similar to the 1966 version except for a few cosmetic changes to the front and rear. However, Premier incorporated the Nissan A12 (1,171 cc and 52 bhp) powertrain instead of the original Fiat engine along with a Nissan manual gearbox. Added in 1996, there was also a version called the 1.38D which sported a diesel engine, built under license from Fratelli Negri Macchine Diesel Sud of Italy. Near the end of production an improved model called Viceroy was released in collaboration with Peugeot. Production ended in 2001. Spain SEAT 124, manufactured circa 1970 In the frame of the licence agreement between SEAT and Fiat, it was produced and sold in Spain with the name SEAT 124 from 1968 to 1975. Also a clone from the 124 Special with some elements from Fiat 125 was produced from 1969 to 1975 with the 1438 cc engine along with the twin-cams known as the "FUs" 1,600 cc (1972–75) branded as SEAT 1430. In 1975 when Fiat stopped production of the Fiat 124, the SEAT 124 had a minor facelift done by Giorgetto Giugiaro changing the aesthetics of the car by changing the round headlamps to rectangular design and integrating taillights into the body, car was known as the SEAT 124D and remained in production until 1980 with the Sport versions now codenamed the "FLs", FL-40/45 1,600 cc 90HP, FL-80/82 1,800 cc 114HP and FL-90 1,919 cc 114HP The car was very successful in Spain, and was sold in both the four-door and station wagon versions. Bulgaria The Fiat 124 was also produced by Tofas under the name Pirin-Fiat in Lovech, Bulgaria, on the basis of complete knockdown (CKD) kits between 1967 and 1971. Turkey Tofas Serce, Turkish version of Fiat 124 was also produced by Tofas under the names "Murat 124" between 1971-1977 and "Serce" ("sparrow" in Turkish) between 1984 and 1994, in Bursa, Turkey. 134,867 Murat 124s were produced the Fiat 131 series under the name Murat 131 between 1976 and 2002. Today, the company manufactures bona fide Fiat models. Korea The Fiat 124 was also produced under the name Fiat-KIA 124 by Asia Motors in South Korea, between 1970 and 1975. In total 6775 units were assembled. [21][22][23] Egypt From 2002 to 2007, Lada-Egypt company built at least 9,000 cars (2,200 in 2006) in the shell of VAZ-2107 (Riva), and it continues in 2012. [24] 124 Cabriolet At Salone dell'Automobile of Torino in 1966, Carrozzeria Touring presented a convertible version of Fiat 124 saloon. It was the last car built by Touring. Only one example was made. Reactions were positive, but the Fiat CEO terminated this project in favour of the Pininfarina-styled 124 Sport Spider. 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Automobil Revue 1987 (in German and French). Vol. 82. Berne, Switzerland: Hallwag AG. pp. 480–481. ISBN 3-444-00458-3. ^ "The old, reliable Fiat 124 - except made in Korea". koreajoongangdaily.joins.com. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 24 January 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 13 February 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 13 February 2014. ^ "Fiat 124 commercial 1970 (in korea)". Youtube.com. Archived from the original on 2021-12-12. Retrieved 1 del Novecento. Vol. II. Editoriale Domus. 2010. Further reading James T Crow, ed. (1968). "Fiat 124". Road & Track Road Test Annual. pp. 50–53. External links Wikimedia Commons has media related to Fiat 124. Italian site dedicated to the Fiat 124. Italian site dedicated to the Fiat 124. car originally shown in 1972 at the Turin Motor Show and in 1976 as an electric car by the Italian manufacturer Fiat.[1] Designed by Centro Stile Fiat, it is a small two-seater city car,[2] unlike any Fiat produced at the time. The 1976 X1/23 is fitted with a 14 kW electric motor driving the front wheels and equipped with regenerative braking.[3] Batteries are located at the rear. The X1/23 has a top speed of 45 mph (72.4 km/h) and a claimed range of about 50 miles (80.5 km). Despite its diminutive size, the car weighs 820 kg (1,810 lb), 166 kg (366 lb) of which was due to the battery.[4] References ^ World Cars. [S.l.]: Herald Bks. 1982. p. 45. ISBN 0-910714-14-2. ^ "1972 FIAT X1/23" Concept Cars. Archived from the original on 29 December 2010. Retrieved 15 April 2012. ^ "Fiat box clever". Autocar. 146 (4200): 16. 7 May 1977. ^ "Fiat City Car (X1/23)". The Petrol Stop. Retrieved 15 April 2012. Retrieved from " 3Motor vehicle Fiat X1/9OverviewManufacturerFiat (1972–82)Bertone (1982–89)Also calledBertone X1/9Production1972-1989~140,500 produced (Fiat)[1]: 33~19,500 (Bertone)[1]: 53AssemblyFiatBertone (after 1982)[2]DesignerMarcello
Gandini at BertoneBody and chassisClassSports carBody styleTwo-seater targaLayoutTransverse mid-engine, rear-wheel driveRelatedFiat 128Fiat RitmoPowertrainEngine1,290 cc 128.AS I4 (1972-78)1,498 cc 138.A2/A4 I4 (1978-89)Transmission4-speed manual (1972-78): 3,830 mm (156.3 in)[5]1978-89: 3,969 mm (156.3 in)[5]1978-89: 2,028 lb)[5][6]ChronologyPredecessorFiat 850 SpiderFiat 500 Gamine VignaleSuccessorFiat Barchetta The Fiat X1/9 is a two-seater mid-engined sports car designed by Bertone and manufactured by Fiat from 1972–1982 and subsequently by Gruppo Bertone from 1982–1989.[2] With a transverse engine and gearbox in a mid-mounted, rear-wheel drive configuration, the X1/9 was noted for its balanced handling,[2][7] retractable headlights, lightweight removable hardtop which could be stowed under the bonnet, front and rear storage compartments — and for being the first Fiat to have been designed from its conception to meet US safety regulations.[8] History Design and development Bertone Runabout concept car The X1/9 was developed from the 1969 Autobianchi A112 Runabout concept, with styling by Bertone under chief designer Marcello Gandini. Even though the Runabout featured a distinctive wedge shape and took many styling cues from contemporary power-boat design. Though the more extreme features of the Runabout such as the C pillar mounted headlights and the small wind-deflector windscreen were lost for the production car, many aesthetic features of the Autobianchi Runabout are readily identifiable on the X1/9. The long flat bonnet with central indentation, the large front overhang, the wedge shape with prominent C-pillar roll-over hoop and the car-length indented waterline all made the successful transition to the X1/9, giving it a highly distinctive appearance. Designed around the Fiat SOHC engine and transmission from the front wheel drive Fiat 128, the X1/9 relocated the transverse drive train and suspension assembly from the front of the rear of the passenger cabin, directly in front of the rear axle, giving a mid-engined layout. The engine was designed by Aurelio Lampredi, famed Ferrari engine designer before he went to work for FIAT (the parent company, at that time). The fuel tank and spare wheel were located ahead of the engine, behind the driver and passenger seats respectively — optimizing the proportion of the car's weight within its wheelbase for more balanced handling and enabling cargo areas front and rear.[10][11] Once developed for production, the two-seater featured sharp-edged styling with a wedge shape, retractable headlights, an integrated front spoiler and a removable hard top roof panel (targa top). The removable hard top could be stored in the front boot; a second luggage compartment was provided at the rear of the car, accessible through a conventional boot lid. Unlike Fiat's marketing nomenclature at the time which used a numerical system (e.g., 127, 128, 124, 131) denoting relative position in the model range, the X1/9 retained its prototype code as its marketing name. Fiat's prototype coding used X0 for engines, X1 for passenger vehicles. [Note 1] The X1/9 was thus the ninth passenger vehicles and X2 for commercial vehicles. [Note 1] The X1/9 was thus the ninth passenger vehicles and X2 for commercial vehicles. [Note 1] The X1/9 was thus the ninth passenger vehicles. [Note 1] Th evolution Originally slated to debut at the November 1972 Turin Motor Show, the X1/9's launch was delayed until after the show to avoid upstaging the new Fiat 126 city car. Press test drives were held at the end of November 1972, on the Sicilian Madonie roads home to the Targa Florio road race.[12] The car was intended to replace the 850 Spider, another Bertone design, not the larger and pricier 124 Sport Spider whose production continued for much of the X1/9's life. The car's monocoque body was produced at the Bertone factory in Grugliasco (Turin)[13] and then transported to the Fiat's Lingotto factory for final assembly. As mentioned before, the X1/9's type 128 AS 1,290 cc (79 cu in) single overhead cam inline-four engine was derived from the Fiat 128, specifically from the 128 Coupé 1300. Changes included a new cast aluminium cylinder head. With a twin-choke Weber 32 DMTR carburettor and an 8.9:1 compression ratio, the engine produced 75 DIN-rated metric horsepower (55 kW; 74 hp) at 6,000 rpm and 97 DIN-rated newton-metres (72 lb ft) of torque at 3,400 rpm.[5][11] The all-synchronized 4-speed transmission was also carried over from the 128, though with a taller fourth gear ratio to exploit the sports car's better aerodynamics. As a consequence the X1/9 had a top speed of over 170 km/h (106 mph), 10 km/h higher than the similarly engined but 65 kg lighter 128 Coupé 1300.[11] As standard the X1/9 came with 4.5]×13-inch stamped steel wheels fitted with 145 HR 13 tyres, while cast alloy wheels mere an extra-cost option.[13] Suspension was fully independent, with MacPherson struts front and rear. The split circuit brake system used equally sized 227 mm (8.9 in) Steering was rack and pinion. The interior, upholstered in leatherette, featured two bucket seats with integrated headrests and a four-spoke steering wheel (resembling the one fitted to the Lamborghini Marzal). The engine cover and rear trunk could be opened with jamb.[8] 1976 Fiat X1/9 (1300 cc) The original 1.3-litre, 4-speed X1/9 can be distinguished from the later 1.5-litre, 5-speed model by its wrap-around steel split bumpers with rubber blocks, and the shallower engine compartment lid. Fiat began marketing a right-hand drive variant in 1976. Prior to this, Radbourne Racing had been converting left-hand drive X1/9s to a right-hand drive configuration for sale in the UK market.[14] None of these early conversions are believed to remain in existence. In 1982, shortly after the introduction was assumed by Bertone with models subsequently badged as the "Bertone" X1/9. Bertone models featured revised footwells redesigned to enhance legroom and sitting comfort for persons taller than the original design's target. The last production models were named the Gran Finale and sold over the 1989/1990 period. They were a dealer modification of the special edition (commonly abbreviated to SE) of 1988/1989, with the addition of a rear spoiler and "gran finale" badges. The X1/9 in the United States 1978 U.S. market Fiat X1/9 with "ladder" bumpers Reported numbers vary by source, but about 2/3 of the approximately 160,000 X1/9s produced were sold in the USA. Three generations of X1/9 were sold in the USA. worldwide models, including small (but U.S.-specific) bumpers, 63 hp (47 kW) 1290 cc engines, and four-speed transmissions. The 1975-1978 U.S. cars were unique to the U.S. market with "ladder-style" impact absorbing bumpers front and rear. To meet U.S. evaporative and exhaust emission standards, X1/9s were fitted with exhaust gas recirculation valves, air pumps and activated charcoal systems. These cars were rated at 61 hp (45 kW).[15] In 1979 U.S. cars received increases in displacement to 1498 cc and five-speed transmissions, with max power up to 67 hp (50 kW).[15] The 1979 U.S. cars retained the previous emission controls. Model years 1980 and 1981 saw a transition from carburetion to Bosch L-Jetronic fuel injection, with the changeover coming in 1980 for cars sold in California and a gradual changeover for "federal" cars from late 1980 to 1981 model years. The combination of fuel injection (FI), a catalytic converter and unleaded gasoline allowed these cars to meet California's and later federal emission standards. Fuel injected cars were rated at 75 hp (56 kW).[15] 1986 Bertone X1/9 USA model (pictured with owner-installed body-side moldings) In 1979 U.S. X1/9s also received both exterior and interior revisions including integrated bumpers front and rear, as well as new front grilles and airdams. The instrument panel and dash redesign moved the heating and ventilation controls from the center console up to the main dash, relocated the radio to the center dash area, moved the glovebox to atop the dash. During 1982, Fiat ended its presence in the U.S. Fiat turned over marketing and support of the X1/9 to International Automobile Importers, Inc., headed by Malcolm Bricklin, and turned over full production duties to Bertone. In 1983 the orphaned X1/9 was sold as the "Bertone X1/9". IAI and Bertone
continued to update the X1/9, providing improved rust protection, revised seating to accommodate taller drivers, and a modernized electrical system for 1984 models. U.S. sales of the X1/9 fell in the final few years, and 1987 was the last year that IAI imported X1/9s to the U.S. From mid-1987 to end of the production in 1989, Bertone X1/9s were imported to the U.S. by M.I.K. Automotive, Inc. in North Hollywood, California, owned by Miro Kefurt, who at that time was the number one Bertone dealer in the U.S. and one of the very few that sold exclusively X1/9s. The last four X1/9 model year Cars, produced in December 1989). U.S. X1/9 model year Cars, produced in December 1989). Notable changes and features 1974 1290 cc, price \$4,167, curb weight 1,933 lb Small wrap-around steel bumpers with large rubber blocks; chrome trim rear fascia; oval holes in rear fas 2,085 lb Ladder-style aluminum bumpers; aluminium grille replaced oval holes in rear valence; automatic choke controlled by coolant temperature. 1976 1290 cc, price \$4,947, curb weight 1,955 lb Model year included an unknown number of "special edition" cars with interior colours and trims and exterior striping unique to the edition. Affixed to the right fender, the identifying label had the Italian flag, a four digit serial number, and Nuccio Bertone's signature. First year for distributor access panel in spare wheel compartment. 1978 1290 cc price \$5,700, curb weight 1,955 lb Late-1978 cars relocated the front trunk release handle from the glovebox to the left side of the driver's footwell. 1979 1498 cc, price \$7,379, curb weight 2,040 lb First major makeover included news dash, new seating; drivetrain improvements included 1.5L engine with Bosch electronic ignition, five-speed transaxle, more durable axles and wheel bearings; raised engine cover to accommodate taller engine; addition of a full-width access panel between the engine cover to accommodate taller engine. in front of a ribbed background added to the redesigned "X1/9" model designation badge on the right rear decklid. 1980 1498 cc, price \$8,190, curb weight 2,060 lb Bosch L-Jetronic fuel injector cooling blower; X1/9 model designation badge replaced "five speed." All cars: sideview mirror moved from door mounting; one additional vent cutout added to each side of engine cover. 1981 1498 cc, price \$8,997, curb weight 2,040 lb Bosch L-Jetronic fuel injection fitted to federal (49-state) cars. 1982 1498 cc, price \$10,990, curb weight 2,120 lb[18] First year that Bertone-logo badges replaced FIAT wreath badges on the front nose and rear decklid. X1/9 model designation badge changed back from "fuel injection" to "five speed." Leather-covered seats, door cards, and steering wheel offered as option. 1984 1498 cc, price \$13,990, curb weight 2,130 lb[18] Electrical system modernized (GBC fuses are replaced by ATC blade style fuses in the fuse and relay centre under the dash just below the glove box). New two-tone paint scheme with the paint line higher on the body, just below the greenhouse. First year for Cromodora CD-179 wheels (nicknamed "Trons"). Optional full-width rear decklid spoiler available. 1985 1498 cc Bumper finish changed from anodized aluminium to flat black. X1/9 model designation badge on right rear decklid discontinued. 1986 1498 cc Sail panel moulding/trim finish changed from natural aluminium to flat black. Added federally-required center high mounted stop light (CHMSL) for cars manufactured after January 1, 1986; mounted in rear window just below the targa bar. 1987 1498 cc, price \$11,330, curb weight 2,210 lb Minor appearance makeover includes wide body side mouldings, fully padded three-spoke steering wheel, new font for characters on instrument panel (panel layout unchanged), cosmetic changes to climate controls on AC-equipped cars. First year for Speedline "phone dial" wheels, which were shod with Pirelli P3 185/60-R13 tires. Full "blackout" treatment to windshield mouldings, door frame surround mouldings, and sail panel trim and moulding pieces. 1988 1498 cc, price \$12,690, curb weight 2,110 lb No changes 1989 1498 cc, price \$12,690, curb weight 2,110 lb No changes. Technical specifications Fiat X1/9 1.3 Litre world model (1972-1978) 1.5 Litre US model (1980 1989) Powertrain and running gear Engine Inline, four cylinders, Otto cycle, short stroke, M/R layout Bore × stroke 86.0 mm × 55.5 mm (3.39 in × 2.19 in) 86.4 mm × 63.9 mm (3.40 in × 2.52 in) Displacement 1,290 cc (78.7 cu in) 1,498 cc (91.4 cu in) Valvetrain Belt-driven single overhead camshaft, 2 valves per cylinder, reverse-flow layout Compression ratio 8.9:1 9.2:1 8.5:1 Maximum power 75 PS (55 kW; 74 hp) at 6000 rpm 85 PS (63 kW; 74 hp) at 6000 rpm 75 hp (56 kW; 76 PS) at 3200 rpm 108 N·m (72 lb·ft) at 3200 rpm 108 N· barrel Weber 34 DATR7/250 downdraft carburetor Bosch L-Jetronic fuel injection Cooling Water-cooled Clutch Single dry plate with hydraulic activation Transmission Manual, 5 speeds + reverse Driving wheels Rear Body/chassis Steel unibody Front Suspension Independent, lower lateral link with reaction strut, MacPherson struts with concentric coil springs Rear suspension Independent, lower A-arm, MacPherson struts with concentric coil springs Brakes Four-wheel disc brakes with floating calipers and 227 mm (8.9 in) diameter rotors. 48 mm (1.9 in) diameter rotors. 48 mm (1.9 in) diameter rotors. Hand brake on the rear calipers Electrical system 12V, 460W alternator, 45Ah battery 12V, 60Ah battery Non-A/C cars: 65 AMP Alternator A/C cars: 65 AMP Alternator A/C cars: 65 AMP Alternator Dimensions and weights Length 3,830 mm (150.8 in) 3,960 mm (150.8 in) 3,960 mm (150.8 in) 3,960 mm (150.8 in) 4,000 mm (150.8 in) 3,960 mm (150.8 in) 3,960 mm (150.8 in) 3,960 mm (150.8 in) 4,000 2,202 mm (86.7 in) Track F/R 1,335 mm (52.6 in) / 1,343 mm (52.9 in) 1,350 mm (53.1 in) / 1,362 mm (53.6 in) Tires 145/80 R13, 165/70 R13, 12.6 US gal) Acceleration 33.748 seconds (Standing kilometre) Top speed 170 km/h (105.6 mph) 185 km/h (115.0 mph) Fuel consumption 6.1 l/100 km (36.8 mpg-US) at 120 km/h (75 mph) 7.5 l/100 km (37.7 mpg-imp; 31.4 mpg-US) city 1984-1989 EPA Fuel Mileage Rating 20 MPG City / 26 MPG Highway / 22 MPG Combined Concept cars and prototypes Bertone conducted at least three design and engineering studies are now on display in the Volandia Museum adjacent to the Malpensa/Milan airport, which is the new home of the majority of the Bertone collection that was sold after the company went through final bankruptcy proceedings.[19] Fiat X1/9 Superlight X1/9 Superlight X1/9 Superlight (not Superleggera), were built to the same strength and stiffness of the normal steel cars, and tested for vibration, noise, high load input, and corrosion. The program also tested the specially developed adhesives and techniques used to assemble bodyshell components. Weight savings were 1/3 of the normal steel body. [20] Since a 24-hour Showroom Stock endurance race was expected to reveal a lot about the durability of aluminum cars, one of these aluminum-bodied prototypes was entered into the 1987 Longest Day of Nelson Ledges race, but a mishap on a test and tune practice lap prevented the car from running the race.[21] Fiat X1/9 "Passo Lungo" X1/9 "Passo completed in 1981, dubbed "Passo Lungo." Two inches of width was added to the entire car, and more than seven inches of length was added to the new space behind the driver's seat, and a third seat was added to the space behind the passenger seat originally used for the spare tire. "Opera" windows were added to the sail panels. The stock 1.5L engine was replaced by the 2.0L DOHC FIAT engine to add more power to compensate for the added weight. The X1/9 "Passo Lungo" was based on a European specification 1500 Fiat X/19 with a stretched wheelbase of 2,450 mm (96 in) to accommodate a back seat, usable only by small children. Only one example is known to exist which is currently on display with the Bertone collection in Volandia. In stretching the body, the targa roof also had to be made longer and could no longer be stowed in the front boot of the car (as it had been designed for in the normal X1/9). Fiat X1/9 Spider X1/9 Spider prototype The third study was a full-convertible top (Spider) version of the X1/9. The fixed rear window and sail panels used to be. The convertible top is not a structure that emerges from behind the passenger compartment area; rather it is a flexible cover that mounts using the original targa top clips along the windshield in front, stretches over and is secured first at the Geneva Motor Show in March 1973 as the first Fiat X1/9 race car. It was built in cooperation with Fiat by the technician and racer Mike Parkes who later developed and built the Lancia Stratos. The Filipinetti had a 1290 cc engine with Lucas mechanical fuel injection and a Colotti five-speed gearbox. [22] The power was about 160 PS (118 kW) at 8600 rpm with a top speed of 210 km/h (130 mph). Abarth 1974 Abarth X1-9 Prototipo in setup on the Fiat's Abarth Competitions Centre in Turin The Fiat's Abarth X1/9 Prototipo to replace the 124 Spider Abarth X1/9 Prototipo to replace the X1/9 as the main rally competition platform. The X1/9 Prototipo used an 1840 cc engine (a bored out 1600 cc 124-derived unit) with a custom 16-valve cylinder head fed by twin 44 mm Weber IDF carburettors. Externally the cars sported flared wheel-arches, a small "duck tail" spoiler and an F1 style air intake designed to feed the carburettors cool air from above the cars roof. All the X1/9 Prototipos were raced in the traditional Abarth lime-green/yellow and orange/pink colour scheme. The prototype nature of the X1/9 Prototipo project means that the exact number of cars produced is impossible to define. Components and entire body-shells were routinely swapped and replaced as part of the development process, but it is believed that 5 genuine cars were produced. Dallara Icsunonove 1975 Dallara Icsunonove 1975 the X1/9
was chosen by Dallara Icsunonove (the Italian pronunciation of "X1/9") featured a modified X1/9 engine with a custom 16-valve cylinder-head and fundamental suspension and body/monocoque alterations, the most obvious of which are the massively flared wheel-arches and the oversized rear wing.[25] Kit conversions Faran The Faran Car Co. Ltd. was a UK based company that offered their Eliminator kit in both DIY and in-house assembled form. The design featured replacement fibreglass mouldings for the front and rear wings together with front and rear integrated bumper sections. The external modifications were completed by side sill skirts and a rear boot spoiler not dissimilar in style to that found on a De Tomaso Pantera. Faran also offered conversions using Lancia or Fiat Twin Cam engine units, although some owners opted to keep the original SOHC setup. Production of the Faran kits ended following a factory fire. Eurosport (UK) Ltd. is an X1/9 parts specialist that produced two kit variants commonly referred to as the full and bolt-on kits. The full kit was a contender to the Faran version and utilises wide replacement fibreglass moldings for the front and rear wings, together with front and rear integrated bumper sections. Side skirts completed the styling which featured replacement front and rear integrated bumper sections that were moulded to blend with the standard wings. This allowed the 1500 alloy bumpers to be substituted with ease and offer a more modern appearance. Side sill skirts were also included in the bolt-on kit. Both kits are still available today.[26] Schult The Schult X1/9 kit was produced in Germany and could again be likened to have taken some inspiration from the Testarossa style, but with more angular lines. Current availability for the Schult conversion is unknown. The X1/9 Today UK In 2020, fewer than 300 X1/9s are road legal in the UK.[27] There is, however, an active owners club and with over 1,000 registered SORN plenty of scope for this to increase. The club produces a quarterly magazine attends and organises events, and provides advice on the maintenance of the car. USA and Canada, a mere fraction of that number remain on the roads of those two countries. The latest available figures are from the fall of 2018 at which time 1,034 X1/9s were legally plated for road operation in the USA and 115 were legally plated for road operation in Canada.[28] See also Corona Dardo, a Fiat X1/9 replica sold by Fiat dealers in Brazil. Notes Note 1 X1/9 is correctly pronounced in Italian as Icsunonove: 'x' (ics) 'one' (uno) 'nine' (nove). Phonetically iks-oo-nov-eh. English speaking countries pronounce the name as 'x-one-nine'. References ^ a b Ward, Phil (18 January 2001). Fiat X1/9 — A Collectors Guide. Motor Racing Publications Ltd. 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Archived from the original on 2021-02-07 – via The Filipinetti X1/9 World – About the first X1/9 racecar from Scuderia Filipinetti X1/9 racecar from Scuderi World War II Carro Armato M11/39 Two M11/39s (foreground) and an M13/40 captured by the Australians at Tobruk, January 1941TypeMedium tankPlace of originItalyService historyIn service28 July 1939 - c. 1944. Used by Italian Social Republic Australians at Tobruk, January 1941TypeMedium tankPlace of originItalyService historyIn service28 July 1939 - c. 1944. Used by Italian Social Republic Australians at Tobruk, January 1941TypeMedium tankPlace of originItalyService historyIn service28 July 1939 - c. 1944. Used by Italian Social Republic Australians at Tobruk, January 1941TypeMedium tankPlace of originItalyService historyIn service28 July 1939 - c. 1944. Used by Italian Social Republic Australians at Tobruk, January 1941TypeMedium tankPlace of originItalyService historyIn service28 July 1939 - c. 1944. 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Used by Italian Social Republic Australians at Tobruk, January 1940. Used by Italian Social Republic Australians at Tobruk, January 1940. Used by Italian Social Republic Australians at Tobruk, January 1940. Used by Italian Social Republic Australians at Tobruk, January 1940. Used by Italia January-June 1939No. built100 (96 operational tanks, 4 prototypes)VariantsM13/40, M14/41, M15/42SpecificationsMass11,175 kg (24,640 lb)Length4.7 m (15 ft 5 in)Width2.2 m (7 ft 2.5 in)Height2.3 m (7 ft 6.5 in)Crew3 (commander/radio operator, loader/gunner, driver)ArmourFront armour (30 mm) Side armour (14.5 mm) Top and floor armour (6 not set to the s mm) Rear armour (8 mm) Turret armour (30 mm) Turret top armour (6 mm)Mainarmament37 mm Vickers-Terni L/40 84 roundsSecondaryarmament2×8 mm Breda 38 machine guns 2,808 roundsEngineSPA 8T V-8 diesel105 hpPower/weight9.5 hp/tonneSuspensionTwo 4 wheel bogies, semi-elliptic leaf springOperationalrange200 km (125 miles)Maximum speed 32.2 km/h (20 mph) road The Carro Armato M11/39 was an Italian medium tank first produced prior to World War II. The M11/39 is as follows: "M" for Medio ("medium"), followed by the weight in tonnes (11) and the year of adoption (1939).[1] Development The M11/39 was developed as a "breakthrough tank" (Carro di Rottura). The design of the M11/39 was the placement of the final reduction gears inside the front-mounted drive sprockets, eliminating the need for enlarged final drive housings in the bow armour. Service use of the M11/39 was short due to several deficiencies in its design, particularly the placement of the main 37 mm gun in the hull.[3] The design concept was to use the main gun against other tanks and to defend the tank with the turret armament.[3] The gun was in a fixed position with traverse restricted to 15° to port and starboard.[3] Dual 8 mm machine guns were housed in a small rotating one-man turret, with manual controls. The original intent was to place the 37 mm /L40 armament in the turret but there was insufficient space.[3] The defend the tank with the turret armament.[3] The gun was in a fixed position with traverse restricted to 15° to port and starboard.[3] Dual 8 mm machine guns were housed in a small rotating one-man turret, with manual controls. The original intent was to place the 37 mm /L40 armament. gun placement followed the French Char B1 and anticipated the early versions of the Churchill tanks, although in these tanks the hull guns were howitzers, rather than high-velocity guns. The M11/39 had other shortcomings: its endurance and
performance were poor, it was relatively slow, it was mechanically unreliable and its 30 mm maximum riveted steel armour, designed to withstand 20 mm fire, was vulnerable to British 2-pounder guns at any range at which the M11/39s main gun was effective.[3] The tank was designed to put the main gun in the turret; an order for 100 M11s was placed as a stop-gap.[3] Units Only two battalions received the M11/39 tank Battalion "M", 32nd Tank Infantry Regiment II Tank Battalion "M", 32nd Tank Infa invasion of Egypt and assigned for the campaign to the 4th Tank Infantry Regiment. The regiment and both battalions were destroyed during the Battle of Beda Fomm. Combat In Libya 72 × M11/39s were used in the North African Campaign, 24 operated in the East Africa Campaign and the first four prototypes remained in Italy.[3] The M11 was vastly superior to the 36 × L3/33 and L3/35 tankettes stationed in East Africa. The M11/39 proved somewhat successful in early encounters with the British Light Tank Mk VI. The 37 mm gun of the M11 acted as a deterrent against attacks by these relatively fast but thin-skinned vehicles. armed only with machine guns. The tank was outclassed by heavier British cruiser and Infantry tanks, the Cruiser Mk II (A10), Cruiser Mk II (A13) and Matilda. North Africa On 13 September 1940, M11s also operated defensively in the opening stages of the British counteroffensive, Operation Compass.[3] When Operation Compass was launched, many of the M11/39s were damaged, broken, or immobilized inside some of the Static Italian positions. The British used Matilda tanks to overrun many of the Italian positions. The British used Matilda tanks to overrun many of the M11/39s were damaged, broken, or immobilized inside some of the Static Italian positions. siege of Tobruk, some captured M11s were employed by the 6th Australian Division Cavalry Regiment over some months. The Australians painted large white kangaroo symbols on the tanks were then destroyed to deny them to the advancing Axis forces in the spring of 1941. East Africa In 1940, Italian East Africa, the M11s fought as the only medium tank available to the Italians. On 3 August 1940, M11s participated in The Italian Invasion of British launched their counter-offensive there. Unfortunately for the Italians, the British had a small number of Matilda tanks available to them during the Battle of Keren and this negated any value that the M11s may have added. By the end of May 1941, the Italian forces were defeated on the East African fronts where M11s were defeated and the M11s may have added. ovea. By organized Italian resistance in East Africa was over. There is no indication that captured M11s were re-used by the captors in East Africa. See also Tanks portal Western Desert Campaign References ^ "Carro Armato M.11/39". Tank Encyclopedia. 10 February 2018. Retrieved 6 December 2021. ^ a b "Carro Armato M11/39" www.militaryfactory.com. Retrieved 6 December 2021. ^ a b c d e f q h i j k H, Jim (8 March 2010). "Fiat M11/39 Tanks at wwiivehicles.com M11/39 at onwwar.com Pafi, Benedetto, Storia dei mezzi corazzati, Fratelli fabbri Editore, Milano, 1976, Volume 1, OCLC 799718569 Pignato, Nicola. Italian Medium Tanks in Action Armor No. 39 Squadron/Signal Publications Carrollton, TX. 2001. ISBN 0-89747-426-0 Retrieved from a page that has been moved (renamed). This page was kept as a redirect to avoid breaking links, both internal and external, that may have been made to the old page name. When appropriate, protection levels are automatically sensed, described and categorized. Retrieved from " 6 Display titleFiat M11/39 Redirects toM11/39 tank (info) Default sort keyFiat M11/39 Page length (in bytes)72 Page ID62420483 Page content languageen - English Page content modelwikitext Indexing by robotsAllowed Number of page watchersFewer than 30 watchers Number of page watchers Nu the protection log for this page. Page creatorDenniss (talk | contribs) Date of page creation11:03, 24 November 2019 Latest editorDenniss (talk | contribs) Date of edits (within past 30 days)0 Recent number Hidden category (1)This page is a member of 1 hidden category (help): Template: R from moves Transcluded templates (13)Pages transcluded onto the current version of this page (help): Template: R from move/except (view source) (protected) Template: R from move/except (view source) (protected) Template: R from move/except (view source) (protected) Template: R from move (view source) (protected) Template: R from move/except (view source) (vie (template editor protected)Template:Redirect template editor protected)Module:Arguments (view source) (protected)Module:Message box/ambox.css (view source) source) (protected)Module:Message box/configuration (view source) (protected)Module:No globals (view source) (protected)Module:Redirect template (Retrieved from '