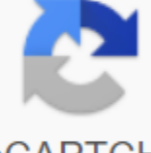


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M110: General Date of first acceptance 1962 Manufacturers Pacific Car and Foundry Co. FMC Corp. Bowen-McLaughlin-York Crew 13 men: Gunner on gun mount left Gunner on gun mount right Two loaders on gun mount right Driver in hull left front 8 in support vehicle M110: Dimensions Combat weight 58,500lbs26,500kg Height with howitzer in travel position 115.6293.6cm Length without howitzer 254.3645.9cm Howitzer overhang forward 40.1102cm Width 124.0315.0cm Tread 106.0269.2cm Ground clearance 17.444.2cm Fire height ~80-200cm Ground pressure, zero penetration 11.0psi.772kg/cm² M110: Armament Type Mount Ammunition Traverse Max traverse rate Elevation Max elevation rate 8 Howitzer M2A2 M158 at rear of vehicle 2 rounds 60°(30° left and right;manual and hydraulic) 8°/sec +65° to -2°(manual and hydraulic) 6°/sec M110 : Armor Assembly Welding Hull Rolled homogeneous steel angle of location from vertical front .51.3cm 0' Driver's compartment side and rear .51.3cm 0' Coupe driver top .51.3cm 90 M110: General Motors 8V71T car engine; 8 cylinders, 2 cycles, vee, supercharged diesel horsepower Net: 345@2300rpmGross: 405@2300rpm Torque Pure: 895 feet-lb@1600rpmGross: 980-foot-lb@1700rpm Fuel capacity 300gal1100L Allison XTG-411-2A transmission, 4 ranges forward, 2 reverse steering mechanics, steering bar (clutch-brake in 1st, 2nd, 1st reverse; directional steering wheel in 3rd, 4th, 2nd reverse) Brake Multiple Drive M110: Suspension Type Road Wheels Track rollers Torsion bar 5 individually emerged double/track flat track ospreys Idlers Shock shock absorbers 11-toothed front Rear-wheel drive Rear Road Wheels serve as adjustable rear loafers All road wheels equipped with hydraulic cylinders that serve as shock absorbers moves M110: Track T132 Center Guide, one pin, steel with removable rubber pad Width 1846 Pitchcm 615cm Shoes/track left : 75Right side: 76 Ground contact length 148376cm M110: Performance Max level road speed 34mph55kph Max trench 84210cm Max Class 60% Max Vertical Obstacle 40100cm M. Pivot Turning Diameter Pivot Max Fording depth 42110cm Cruiser range 450m, The 720km road, the M110 roads used the same hull, loading and ram mechanisms, and weapons mount like the 175mm M107 self-propelled gun. The first M110A1 was commissioned in 1977; they were armed with a longer 8-howitzer M201. The M201 allowed a longer range over the shorter M2A2 howitzer. Home list of Vehicles Top M110A2: Total Date of First Adoption 1978 Manufacturers Pacific Car and Foundry Co. FMC Corp. Bowen-McLaughlin-York Crew 13 Men: Gunner on Gun Mount Left Gunner on Gun Mount Right Gunner on Gun Mount Right Two Loaders on Gun Mount Right Driver in Hull Front 8 in support vehicle M110A2: Dimensions combat weight 62,500lbs28,400kg Height with howitzer in travel position 123.8314.5cm 123.8314.5cm без гаубицы 254.3645.9cm гаубица свес вперед 168.2427.2cm Ширина 124.0315.0cm Протектор 106.0269.2cm Наземный зазор 17.444.2cm Высота пожара нулевое проникновение 11.7psi.821kg/cm2 M110A2: Оружие Тип Маунт Боеприпасы Traverse Макс траверс скорость подъема Макс высота скорость 8 Гаубица M201A1 M158 в задней части транспортного средства 2 патрона 60 (30 влево и вправо; ручной и гидравлический) 8 /сек (65 до -2 (ручной и гидравлический) 6 /сек M110A2: Сборка брони Сварка Корпуса Свернутые однородной стали Местоположение Угол толщины от вертикального переднего .51.3cm 0' Стороны отсека водителя и задние .51.3cm 0' Водительский отсек верхней .51.3cm 90 M110A2: Автомобильный двигатель General Motors 8V71T; 8 цилиндров, 2 цикла, вее, наддувом дизельных лошадиных сил Чистая: 345@2300rpmGross: 405@2300rpm Крутящий момент Чистая: 895 футов-lb@1600rpmGross: 980 футов-lb@1700rpm Топливная емкость 260gal980L Трансмиссия Allison XTG-411-2A 4 range forward, 2 reverse steering mechanics, steering bar (clutch-brake in 1st, 2nd, 1st reverse; directional steering wheel in 3rd, 4th, 2nd reverse) Brake Multiple Drive M110A2: Suspension Type Road Wheels Track Return Rollers Torsion Bar 5 individually emerged double/track Flat track drive sprockets Idlers Shock shock absorbers The 11-tooth front-wheel drive Rear Road Wheels serve as adjustable rear loafers All road wheels are equipped with hydraulic lock cylinders that serve as shock absorbers when the vehicle moves M110A2: Track T132 Center Guide, one pin, steel with removable rubber pad Width 1846 Pitchcm 615cm : 75Right side: 76 Ground contact length 148376cm M110A2: Performance Max level road speed 34mph55kph Max trench 72180cm Max Class 60% Max Vertical Obstacle 40100cm M. Turning Diameter Pivot Max Ford Depth 42110cm Cruiser Range 325mi , road 523 km, the road M110A2 was the M110A1 equipped with a double partition muzzle brake. The M110A1s were limited to the M188A1 8 throwing charge zone, but the muzzle braking softened the excessive recoil force and allowed the howitzer to shoot zone 9, allowing a longer range. The M201 was redesigned with a muzzle brake. Home Car List Best Links Hunnicutt, R. Sheridan: The History of the American Light Tank, Volume 2. Naawad, California: Presidio Press, 1995. Reprinted with permission of Sheridan, R. Hunnicutt ©1995, is available from Presidio Press, 505B San Martin Drive, Suite 160, Nabato, CA 94945. Crismon, U.S. Military Vehicles. Osceola, WI: Motorbooks International, 1992. Hogg, Ian W. Book of data on greenhill armoured fighting vehicles. London: Greenhill Books, 2000. Strawbridge, Truman R. and Bernard C. Nalty, Roar 8-Incher. Mar-April 1980: 30-6. American scientists. Self-propelled howitzer M110A2. DOD 101. September 12, 1998. April 17, 2001: www.fas.org/man/dod-101/sys/land/m110a2.htm. DOD 101 Last updated on May 17, 2016. Questions? Comments? Hotfix? Email me © copyright 2001-16 Chris Connors All the technical guides included in this CD-ROM are listed below. Click on the links (Sample PDF) to view the first few pages of documents, including, if available, the content table, the scope, and chart examples. Page Title NumberTM 9-2350-274-BD (Sample PDF) Battlefield Damage Assessment and Repair For M109/M110/M578 Vehicles: Howitzer, Medium, Self-Propelled, Full Track 31 January 1984 219TM 9-2350-304-10 (Example PDF) Operator Guide to Howitzer, Heavy, self-propelled, 8-inch, M110A2 01 April 1990 448 TM 9-2350-304-20-1 (PDF sample) Unit maintenance manual, hull and related components for howitzer, heavy, self-propelled, 8-inch, M110A2 01 March 1994 1365TM 9-2350-304-20-2 (PDF sample) Manual of maintenance units, weapons and tower components for howitzers, heavy, self-propelled, 8-inch, M110A2 01 March 1994 529 TM 9-2350-304-20P (PDF Sample) Organizational Maintenance Repair Parts and Special Tool Lists for Howitzers, Heavy, Self-Propelled, 8-Inch, M110A2 July 01 1981 511TM 9-2350-304-24P-1 (Sample PDF) Group Direct support and general support for repair parts and special tool list (including depot repair parts and special tools) : Hull components for howitzers, heavy, self-propelled, 8-inch, M110A2 01 April 1994 696TM 9-2350-304-24P-2 (PDF sample) Unit, Direct support and general support for repair parts and special tools (including depot repair parts and special tools): Armament and tower components for howitzers, heavy, self-propelled, 8-inch, M110A2 01 January 1991 452TM 9-2350-304-34-1 (PDF sample) Direct support and general support support manual: Corps and related components for howitzers, heavy, self-propelled, 8-inch, M110A2 May 01, 1994 257 TM 9-2350-304-4 34-2 (PDF sample) Direct support and general support Maintenance Guide: Armament and turret Components for howitzers , heavy, self-propelled, 8-inch, M110A2 01 May 1994 550TM 9-2350-304-34P-1 (PDF sample) Direct support and general support for repair parts and special tools (including spare parts depot and special tools) : Hull components for howitzer, heavy, self-propelled, 8-inch, M110A2 01 July 1980 424 LO 9-2350-304-12 (Pdf Sample) Lubricants Order for Howitzer, Heavy, Self-Driving, 8-Inch, M110A2 April 28, 1992 48 Total Pages on CD 5499 Item Link Original Source Full View University ViewTrust Hathi Writing This article needs additional quotes to verify. Please help improve this article by adding quotes to reliable sources. Non-sources of materials can be challenged and removed. Sources: M110 газеты книги ученых JSTOR (December 2019) (Learn how and when to remove this template message) Type of Self-propelled artillery 8 M110 self-propelled howitzer M110A2 of the Japan Ground Self-Defense Force in 2007TypeSelf-propelled artilleryPlace of originUnited StatesService historyWarsVietnam War Yom Kippur War Iran–Iraq War 1982 Lebanon War Kurdish–Turkish conflict (1978–present) Gulf WarProduction historyManufacturerGeneral Motors Corp. (transmission) [1]SpecificationsMass28.3 metric tons (62,390 lb)Length10.8 m (35 ft 5 in)Width3.1 m (10 ft 2 in)Height3.1 m (10 ft 2 in)Crew13 (driver, 2 gunners, 2 loaders, (8 support crew–other vehicle))Armor13 mm (.51 in)Mainarmament8 (203 mm) M201A1 howitzer 2 roundsSecondaryarmamentnoneEngineDetroit Diesel 8V71T, 8-cylinder, 2-stroke, turbocharged diesel405 hp (302 kW)SuspensionTorsion barOperationalrange16 km to 23 kmMaximum speed 54.7 km/h (30 mph) The 8 inch (203 mm) M110 self-propelled howitzer is an American-made self-propelled artillery system consisting of an M115 203 mm howitzer installed on a purpose-built chassis. Before retiring from U.S. service, it was the largest available self-propelled howitzer in the United States Army inventory; it continues to serve in the armed forces of other countries to which it has been exported. The (quote is necessary) Missions include general support, counter-fire battery, and suppression of enemy air defense systems. Description According to the operator's manual, the typical M110 shot rate was three shots in two minutes while working at top speed, and one round in two minutes with sustained fire. The M110 featured a hydraulic-driven rammer to automatically camera a 200 pound projectile. These rams were prone to breakdown and tended to slow down the gun because rammers required crews to completely lower the massive barrel before using it. Highly skilled and motivated crews could reach two to four rounds per minute using a hand ram, which was essentially a heavy steel pole with a hard rubber pad at one end. The use of a hand ram was physically demanding, but the crews were not required to lower the barrels in much the same way as the hydraulic ram. The M110 range ranged from 16,800 metres to approximately 25,000 metres when firing standard projectiles and up to 30,000 metres when firing missiles. The history of the M110 was first entered service with the U.S. Army in 1963 and was used in the Vietnam War by the U.S. Army. Later versions were used in Operation Desert Shield and Operation Desert Storm 5th Battalion, 5th Battalion, 11th Marine Corps and British Army. In 1977, the upgraded M110A1 entered service, featuring a longer barrel of the M201 series, which gave an extended range. The M110A2 is the latest version muzzle brake, unlike the previous version of the A1, which had a simple muzzle. 2nd Battalion, 18th Field Artillery (U.S. Army), which was deactivated in 1994 at Fort Sill, Oklahoma State, and the 5th Battalion 18th Field Artillery served in desert Storm with the M110A2 howitzer, as well as the 142nd Field Artillery Brigade (Arkansas Army National Guard), and 1st BN 181 Field Artillery (National Guard of the Tennessee Army). Most of the U.S. Army and USMC relied on 155-millimeter M109 series guns during this conflict; sending the remaining M110 to the reserve or National Guard units. These units then took possession of the M109s as they returned from service in the Persian Gulf. The M110s have still been in service since 3/92 FA (USAR) and running fire missions at Aterbury Camp as late as the summer of 1994. The weapons system was withdrawn from the U.S. Army; Howitzers with a caliber above 155 mm are no longer considered practical, as the technology has closed the gap in range and firepower, and heavier weapons systems require more resources to operate. Retired M110 armoury barrels were originally used as an external hull in the manufacture of the GBU-28 bunker bomb. The M110A2 were made from converted M110s or M107 175 mm SP guns (Hunnicut). The German M110 during exercises, the winter of 1970-71 At the end of the Cold War under the plan of the 86th U.S. Division, all armored and mechanized infantry divisions included a battalion of heavy artillery, which included two batteries of M110A2 SP howitzers with six guns each totaling 12 guns, plus one battery of nine MLRS missile artillery guns. (quote is needed) Israel used the M110 along with the M107 during yom Kippur's war against Egyptian and Syrian forces. In 1982, during Operation Peace for Galilee, Israel again used the M110 against the PLO and Lebanese allies fatally during the siege of Beirut. Iran used its M110 during the Iran-Iraq war against Iraqi forces during its offensive against Iraq. The Turkish armed forces have been using the M110A2 system against the Kurdistan Workers' Party since the 1990s. Turkish M110A2s were also used during the Turkish military intervention in Syria mainly against the YPG. The projectiles 203-millimeter nuclear artillery projectile W33 on display M14 dummy M106 HE M650 HE missile assistance projectile (RAP) M509 ICM M404 ICM anti-personnel (air explosion) M426 Agent GB Sarin M422A1 W33 (nuclear weapons) M424 High Altitude Area Spotted Round for M422 W79 projectile (nuclear artillery projectile) Map with operators of M110 in blue and former operators in the red U.S. Army M110A2 howitzers in the intermediate area before transportation, Port Of Antwerp, 1984 Current Operators of Bahrain: Royal Bahraini Army 13, as the M110A2 from the Netherlands shipped in 1994, 25 as M110A2 from the US in 1996. Greece: Greek army 145 as M110A2. Egypt: The Egyptian army received 144 as M110A2 as aid in 1996. Iran: Iranian Army 30 M110. Japan: Japan Ground Self-Defense 91 as M110A2. Jordan: Jordanian Armed Forces 120 as M110A2. Morocco: Moroccan Army 60 as M110A2. Pakistan: Pakistan Army 60 in service in 2010. Taiwan: Army of the Republic of China 60 as M110A2. Turkey: The Turkish army is now gradually out of 219, as the M110A2 in favor of the T-155 Fernin Former operators of Belgium: the Belgian army 11 M110A2 between 1972 and 1993 used 20 artillery regiment in Germany (BSD). Germany: German army M110A2 until 1979. Israel: The Israeli army of 36, like the M110, retired in the 1990s. Italy: The Italian army used the M110A2s, phased in by 1998. Republic of Korea: Army of the Republic of Korea M110 until 2008. South Vietnam: Army of the Republic of Vietnam. Netherlands: Royal Netherlands Army M110A1 and M110A2, replaced by the M109 in 1990s Spain: the Spanish army, like the 64 M110A2, deployed in the division fire support regiments until 2009. UK: British Army like

M110A2 firing high explosives and nuclear projectiles only. (FV433 Abbot SPG, M109A2 and M110A1 were replaced by AS-90 in the early to mid-1990s.) Used in Operation Granby/Gulf War. . USA: Used by the U.S. Army and U.S. Marine Corps, the M110A2s retired in 1994. See also the list of U.S. military vehicles modeled no. 2S7 Pion - Soviet L/55.3 203 mm self-propelled gun 2C4 Tulpan - Soviet 240 mm self-propelled mortar List of crews of serviced guns of the U.S. Armed Forces M55 - 203 mm self-propelled gun, The predecessor of the M110 M107 - 175 mm self-propelled gun on the same chassis Sholef - Israeli 155 mm self-propelled howitzer T92 Gaultz Motor Carriage - 240 mm howitzer M1, mounted on the chassis M26 Pershing References - Defense Industry Bulletin, April 1968, p. 47. - b Uk M110 Artillery in action Gulf War 1991 - Stockholm International Peace Research Institute. Transfer and licensed production of major conventional weapons. Received on December 10, 2011. Defense Security Cooperation Agency. Exceeding defense articles. Archive from the original on January 14, 2012. Received on December 10, 2011. Deals at work. Federation of American Scientists. Received on March 29, 2011. John Pike. Equipment of the Pakistani army. Globalsecurity.org. received on August 10, 2012. Pike, John. Army equipment - Taiwan. www.globalsecurity.org TM 9-2350-304-10 of October 1979 External references of the Commons have media related to the self-propelled howitzer M110 203 mm fas.org. globalsecurity.org M110 Walk on Prime Portal from

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