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The Massey Fergueson 35 (MF35) is a tractor developed by Massey Ferguson, founded in 1953. In 1955, in America, the first Massey Ferguson 35 saw the light of day. This tractor was initially available in two models; the standard version or the deluxe version. Although the Massey Ferguson 35 was not initially designed for industrial use, this tractor became very popular with industrial users. One year later, in October 1956, the first Massey Ferguson 35 saw the light of day in England. The Massey Ferguson 35 was the successor to the popular Massey Ferguson TE20, which went out of production in 1956. Again a year later, when over 73,000 tractors had been produced, the name was changed to the MF35. This MF35 was equipped with a diesel Perkings engine in 1959. In total, the MF35 was produced for over eight years and more than 388,000 tractors came off the production line. Many of those tractors can still be found on various farms today. Massey Ferguson 35 spare parts At Histoparts you will find a wide collection of Massey Ferguson 35 parts. For transmission parts, dashboard parts, sheet metal parts and more you have come to the right place. From our own warehouse, we can directly supply you with various Massey Ferguson 35 parts and accessories from stock. You have come to the right place for all your new Massey Ferguson 35 parts. Can't find your Massey Ferguson 35 part? Please contact us! Maybe we can help you (on your way)? The Massey Ferguson 35 is a 2WD utility tractor manufactured by the Massey Ferguson in Detroit, Michigan, USA from 1960 to 1965.The MF 35 is equipped with one of two engines: a 2.5 L three-cylinder diesel engine or a 2.2 L four-cylinder gasoline engine and one of two transmissions: gear type transmission with dry disc clutch and 6 forward and 2 reverse gears or partial power shift transmission with 12 forward and 4 reverse gears.The tractor could be equipped with the following engines:Perkins 3.152. It is a 2.5 L, 2,502 cm2, (152.7 cu·in) three-cylinder natural aspirated diesel engine with 91.0 mm (3.58 in) of the cylinder bore and 127.0 mm (5 in) of the piston stroke. The compression ratio rating is 17.4:1.Continental. This gasoline engine was available after 1961. It is a 2.2 L, 2,196 cm2, (134.0 cu·in) four-cylinder natural aspirated gasoline engine. The cylinder bore is 84.0 mm (3.31 in) and the piston stroke is 98.0 mm (3.86 in). The compression ratio rating is 6.6:1.The MF 35 is equipped with manual steering, independent manual shoe/drum brakes, open operator station and 52.6 liters (13.9 US gal.; 11.6 Imp. gal) fuel tank.Massey Ferguson 35 SpecificationsGeneral SpecificationsModelMassey Ferguson 35Length2,970 mm (116.9 in)Width1,610 mm (63.4 in)Height1,370 mm (53.9 in)Wheel base1,820 mm (71.7 in)Weight (ballasted)2,680 kg (5,908 lbs)Fuel tank capacity52.6 liters (13.9 US gal.; 11.6 Imp. gal)BatteryGas: 1 x 12V, Diesel: 2 x 6VCabin typeOpen operator stationEngineEngine modelPerkins 3.152Engine typeFour-stroke, liquid-cooled, inlineCylinders3Fuel typeDieselDisplacement2.5 L, 2,502 cm2, (152.7 cu·in)Bore and stroke91.0 mm X 127.0 mm (3.58 in X 5 in)Compression ratio17.4:1Horsepower–StarterElectricEngineEngine modelContinentalEngine typeFour-stroke, liquid-cooled, inlineCylinders4Fuel typeGasolineDisplacement2.2 L, 2,196 cm2, (134.0 cu·in)Bore and stroke84.0 mm X 98.0 mm (3.31 in X 3.86 in)Compression ratio6.6:1Horsepower–StarterElectricOil capacity:5.7 L (6 US. qt, 5 Imp. qt.)Coolant capacity:9.5 L (10 US. qt, 8.4 Imp. qt.)Spark plug gap0.63 mm (0.025 in)Intake/exhaust valve clearance0.330 mm (0.013 in)Transmission and chassisChassis4×2 2WDSteering typeManualBrakesIndependent manual shoe / drumDifferential lockRear optionalTransmission model–Transmission typeGear type with dry disc clutchGears6 forward and 2 reverseSpeed Forward: 23.5 kmh (14.6 mph) Reverse: 11.4 (7.1 mph)Transmission oil capacity30.0 L (7.9 US. gal, 6.6 Imp. gal.)Transmission oil typeSAE 80 GL1Transmission modelMulti-PowerTransmission typePartial power shiftGears12 forward and 4 reverseSpeed Forward: 30.8 kmh (19.1 mph) Reverse: 15.3 (9.5 mph)Transmission oil capacity30.3 L (8 US. gal, 6.7 Imp. gal.)Transmission oil typeSAE 80 GL1TiresFront tiresAg: 5.50-16, 6.00-16Rear tiresAg: 10-28, 11-28, 13-24Three-Point HitchCaterogyIControl type–Lift capacity (at ends)–PTO (Power take-off shaft)Rear PTO typeTransmissionRear PTO spped540 rpmHydraulic systemHydraulic type–Hydraulic capacity30.3 L (32.02 US. qt, 26.66 Imp. qt.)Pressure2800 psi (193.1 bar)Pump flow3.5 gpm (13.2 lpm) ATTENTION! Dear visitors, this site is not a trading platform, an official dealer or a spare parts supplier, so we do not have any price lists, spare parts catalogs, service or owner manuals. We are an information portal and provide the technical specifications.We try to use verified sources and official documentation, however, differences between sources or errors in entering information may occur. In addition, the characteristics may vary depending on the modification and market. We do not provide advice on technical issues related to the any operation or repair. We do not recommend using provided information for repairing or spare parts ordering, use only official service manuals and spare-parts catalogs. Specifications, Service, and Repair of Farm and Lawn Tractors _____ Massey Ferguson 35 Service Intervals Every 10 Hours or Daily Check motor oil level. If after checking the oil level is low, add it. Transmission oil level checking procedure. If the transmission fluid is too low, add it. Check radiator coolant level. If the coolant level is low, top it up. Check engine idling, steering, service brakes and parking brake. Repair any malfunctions if necessary. Every 50 Hours Check and inflate tires as required. Check the battery. Clean if required. Checking the oil in front axle. Add oil if necessary. Check the hydraulic fluid level in system. If necessary, add hydraulic fluid to the system. Lubricate the front axle bearing assembly. Inspect the front and rear wheels. Tighten bolts and nuts as required. Every 200 hours Replace engine oil. Motor oil type: 10W-30, 15W-40, 20W-40. Engine oil capacity: 6.0 qt (5.7 L) for Continental Z134 gasoline engine and 10 qt (9.5 L) for Perkins engine. Check engine oil level after replacement. Clean or change oil filter for Continental Z134 engine. Oil filter part number: 1069954M92. Replace oil filter element for Perkins engine. Part number: 835817V91 (Gas) and 837595V91 (Diesel). Before replacing, remove dirt from the filter housing. After installing a new filter, check the oil level. Add oil if necessary. Clean radiator fins if fins are dirty. Inspect alternator/fan belt. Replace if necessary. Check wheel bolt torque. Every 500 Hours Replace primary and secondary fuel filter for diesel engine. Primary fuel filter part number: 1850450V2. Secondary fuel filter part number: 836218V92. Clean sediment bowl for gasoline engines. Part number: 505472M91. Check diesel fuel pump/carburetor adjustment. Check cooling system for leaks. Top up if required. Check engine low idle speed. Adjust engine idle as required. Inspect and tighten all hoses and clamps. Check brake adjustment. Every 750 Hours Transmission/hydraulic fluid change. Recommended oil - Gearlube 710. How much to fill: Transmission Oil Capacity - 8 gal (30.3 L). After changing the transmission/hydraulic oil, check the level with a dipstick. Replace hydraulic filter element. Part number of hydraulic filter element - 521451M1. After replacing the filter, check the hydraulic/transmission oil level. Add fluid if required. Replace the steering filter element. Part number - 1052262M91 (Gas) / 1052097V1 (Diesel). Change oil if required. Front axle oil change. Annually Massey Ferguson 35 replacement parts Engine Oil Filter. Part Number: 1069954M92 (Continental Z134 gasoline engine) Engine Oil Filter Element. Part Number: 837595V91 (Perkins diesel) or 835817V91 (Perkins gasoline engine) Engine Primary Fuel Filter (Perkins diesel). Part Number: 1850450V2 Engine Secondary Fuel Filter (Perkins diesel). Part Number: 836218V92 Engine Sediment Bowl (Gasoline Engine). Part Number: 505472M91 Hydraulic Filter. Part Number: 521451M1 (Element) Steering Filter Element. Part Number: 1052097V1 (Diesel) or 1052262M91 (Gas) Change filter and engine oil. Service lubricating system components. Change transmission/hydraulic oil. Change hydraulic filter and steering filter element. Drain water from fuel tank, then change the fuel filter. Clean radiator and oil cooler fins. Flush the cooling system and refill with fresh coolant. Cooling System Capacity - 10 qt (9.4 L). Inspect all hoses and clamps. Check battery charge. Check engine valve clearance. Inspect and adjust diesel injection pump or carburetor. MF 30 Service MF 85 Service _____ SPECS LOADERS MAINTENANCE PROBLEMS _____ MF TRACTORS SPECIFICATIONS 130 133 145 155 158 _____ 165 175 185 188 230 _____ 254 254S 284S 294 353 _____ 290 362 375 390 398 _____ 399 590 690 1010 1030 _____ 1020 1150 2620 2640 2645 _____ 1540 1736 2660 3065 3095 _____ 3650 3680 4255 4355 4370 _____ 3630 3635 4245 4445 4609 _____ 4710 5435 5475 5610 5711 _____ 6150 6170 6180 6270 6290 _____ 6445 6499 6614 6713 7465 _____ 7495 7614 7622 7715 7726 _____ 8210 8270 8650 8727 GC1705 _____ 1464 Loader 1466 Loader 1040 Loader 1070 Loader 905 Loader _____ 906 Loader 915 Loader 916 Loader 921 Loader 926 Loader _____ 931 Loader 933 Loader 936 Loader 938 Loader 939 Loader _____ 940 Loader 941 Loader 945 Loader 946 Loader 948 Loader _____ 949 Loader 950 Loader 951 Loader 955 Loader 956 Loader _____ 958 Loader 960 Loader 961 Loader 965 Loader 966 Loader _____ 968 Loader 975 Loader 976 Loader 978 Loader 985 Loader _____ FL.3114 X FL.3419 X FL.3522 FL.3615 FL.3619 _____ FL.3817 FL.3819 FL.3823 FL.4018 FL.4121 916X Loader 921X Loader 926X Loader 931X Loader 936X Loader _____ 941X Loader 946X Loader 951X Loader 956X Loader 988 Loader _____ FL.4125 FL.4227 FL.4124 FL.4220 FL.4323 _____ FL.4327 FL.4621 FL.4624 FL.4628 FL.5033 _____ DL95 Loader DL100 Loader DL120 Loader DL125 Loader DL130 Loader _____ DL135 Loader DL250 Loader DL260 Loader L90 Loader L100 Loader _____ L105E Loader L210 Loader 1014 Loader 1016 Loader 1462 Loader _____ 1525 Loader 1530 Loader 232 Loader 838 Loader 848 Loader _____ 246 Loader 1036 Loader 1038 Loader 1080 Loader 856 Loader _____ 1010 1020 1030 1035 1040 _____ 1045 1080 1085 1120 1125 _____ 1140 1160 1165 1180 1190 _____ 1205 1210 1215 1220 1225 _____ 1230 1233 1235 1240 1260 _____ X Tractor Use Massey Ferguson 35X tractors use SAE 15w/40 motor oil for the engine, and SAE 90 semi-synthetic gear oil for the transmission and differentials. The oil capacity for the engine is 8.5 quarts, and the capacity for the transmission and differentials is 10.8 quarts. Recommended brands of oil include premium and high-mileage formulations that meet API Service Classification CJ-4 or CI-4 or higher. When changing the oil, use an oil filter that matches the capacity and quality of the oil used. Hi We have a MF35 4 Cylinder Diesel and we need to do an oil change. What oil can I put in this and what are the recommended oil change times. Any help would be appreciated I've heard people using 15w-40. Is there any harm if I put a 15w-50 or 20w-50 in? How often should the oil be changed? I've heard people using 15w-40. Is there any harm if I put a 15w-50 or 20w-50 in? How often should the oil be changed? 20w50 will be thicker at cold and hot temperatures than a 15w40. Older engines were built to less tolerance than newer ones, and given the engine is a 1950's origin and will most likely have additional wear, 20w50 would be a good oil in my opinion to maintain good oil pressure Reactions: Phil24 Modern oils have a lot of cleaners in them, that are not good for older engines like your 4cyl. Modern 15w40 or 20w50 are better than leaving the old oil in it, but are likely to cause the engine to be bit smokey and it will probably burn a bit more than it should. The low detergent golden film Morris oil is what should be in it. Reactions: Phil24 Hi Thanks for all your reply's. The tractor does very light work. It's used to Harrow an arena once a week for about 30-40 mins other than that it may be used to top a small field again about 2hours work twice a year. Location Near Beeston Castle I change the oil and filter in my 35 most years. After 57 years (both of us) I don't think I need to alter the service interval. I can't claim it does a lot of hard work these days but happily go ploughing with it if need be. Reactions: Phil24 and gone Thank you everyone for your answers and advice. I have purchased some golden film oil from Morris and will let you know how I get on. If not I may have to look into a engine rebuild. I've done these before but was hoping to avoid it on this one. Reactions: Kidds how does tractor start from cold ? as everyone knows the 4 cylinder is notorious bad starter Do you run it on white or red? Reactions: Phil24 Hi Well just an update. I've finally got round to changing the oil and filters this morning. The tractor has good oil pressure but still has a little smoke. How smoky are these engines supposed to be. I know there 60 years old but still just wondering if it might be worth getting the engine rebuilt or if it's me being too picky. It does seem happier on the new oil though but it might need to do some work to work it through. Also another question my dipstick has 3 lines on it. I'm assuming this is min, half and max? Anyone else seen this. Take it for a good run out on the road plenty of hills and don't hold back. Might help blow the cobwebs out and reduce the smoke Engine rebuild won't help much if the engine never gets put under working pressure it will just glaze up Reactions: H200GT Hi Well just an update. I've finally got round to changing the oil and filters this morning. The tractor has good oil pressure but still has a little smoke. How smoky are these engines supposed to be. I know there 60 years old but still just wondering if it might be worth getting the engine rebuilt or if it's me being too picky. It does seem happier on the new oil though but it might need to do some work to work it through. Also another question my dipstick has 3 lines on it. I'm assuming this is min, half and max? Anyone else seen this. From my experience they are a tiny bit smokey anyhow, especially when engine is cold, I wouldn't worry about it unless it was excessively bad and using oil. If the oil pressure is good when hot and it starts reasonably well than I would leave it as it is. The standard 4 pot is not quite as easy to refurbish as the perkins 3 pots. Take it got a good run as @Bald n Grumpy suggests, that may just do the trick 1960 - 1965 Utility tractor Engine options Perkins 2.5L 3-cyl diesel Continental 2.2L 4-cyl gasoline Engine Detail Perkins 3.152 diesel 3-cylinder liquid-cooled Displacement152.7 ci2.5 L Bore/Stroke3.60x5.00 inches91 x 127 mm Air cleanerdry Compression17.4:1 Rated RPM2000 Idle RPM700-2150 Firing order1-2-3 Starter volts12 Oil capacity6 qts5.7 L Massey Ferguson 35 Engine Engine Detail Continental gasoline 4-cylinder liquid-cooled OHV Displacement134 ci2.2 L Bore/Stroke3.3125x3.875 inches84 x 98 mm Compression6.6:1 Rated RPM2200 Idle RPM450-2250 Firing order1-3-4-2 Starter volts12 Coolant capacity10 qts9.5 L Sparkplug18mm Sparkplug gap0.025 inches0.635 mm Intake valve clearance0.013 inches*Hot0.330 mm Exhaust valve clearance0.013 inches*Hot0.330 mm Engine Oil Oil capacity6 qts5.7 L Oil change100 h Massey Ferguson 35 Engine Page information Copyright 2024 TractorData.com® TractorData is a family-owned small business located in Minnesota that has been providing reference information on tractors since 1999. Peter Easterlund - owner/author Email: Peter@TractorData.com Updated on February 23, 2024 ©2000-2024 - TractorData.com®. Notice: Every attempt is made to ensure the data listed is accurate. However, differences between sources, incomplete listings, errors, and data entry mistakes do occur. Consult official literature from the manufacturer before attempting any service or repair. 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 permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. Want to check out our tractor maintenance videos? Click here to see what we've got! Welcome To Vintage Tractor Engineer. This website is all about providing information on tractor maintenance. Here at VTE we have hundreds of articles and full length maintenance DVD's to help keep your tractor running smoothly. Who is Vintage Tractor Engineer? Vintage Tractor Engineer is brought to you by tractor enthusiast brothers Ian and Steve Ridsdale. They spend their days repairing tractors old and new, and bring some of that knowledge right here to you on this website. If you have anything to add, just drop us an email. We're always interested to hear about your maintenance tips, tricks and restoration stories. We Want YOU To Be A Maintenance Expert!!! If you want to maximise your skills and learn new tips, tricks and techniques, then sign up for our emails. You'll get the very best hand selected articles delivered straight into your inbox – so you won't miss a thing! We publish a great variety of different topics. These vintage and classic tractors have survived for all these years, so give them the care they deserve!!! The Massey Fergueson 35 (MF35) is a tractor developed by Massey Ferguson, founded in 1953. In 1955, in America, the first Massey Ferguson 35 saw the light of day. This tractor was initially available in two models; the standard version or the deluxe version. Although the Massey Ferguson 35 was not initially designed for industrial use, this tractor became very popular with industrial users. One year later, in October 1956, the first Massey Ferguson 35 saw the light of day in England. The Massey Ferguson 35 was the successor to the popular Massey Ferguson TE20, which went out of production in 1956. Again a year later, when over 73,000 tractors had been produced, the name was changed to the MF35. This MF35 was equipped with a diesel Perkings engine in 1959. In total, the MF35 was produced for over eight years and more than 388,000 tractors came off the production line. Many of those tractors can still be found on various farms today. Massey Ferguson 35 spare parts At Histoparts you will find a wide collection of Massey Ferguson 35 parts. For transmission parts, dashboard parts, sheet metal parts and more you have come to the right place. From our own warehouse, we can directly supply you with various Massey Ferguson 35 parts and accessories from stock. You have come to the right place for all your new Massey Ferguson 35 parts. Can't find your Massey Ferguson 35 part? Please contact us! Maybe we can help you (on your way)? 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Produced between 1960 and 1965, it has become an iconic symbol of agricultural heritage. This versatile workhorse was available in different variants, including agricultural, industrial, and low-profile models, catering to a range of farm and industrial needs. Known for its ruggedness, it boasts a range of engine options, with the Perkins 3-cylinder diesel and Continental 4-cylinder gasoline engines being notable. Its straightforward design and user-friendly controls make it an ideal choice for a wide range of farming tasks. The Massey Ferguson 35 has earned a place in the hearts of tractor enthusiasts and collectors for its historical significance and timeless appeal. Massey Ferguson 35Years in Production1960 – 1965TypeUtility Tractor Variants35Agricultural Tractor35 UtilityIndustrial Model35 TurfLow-Profile Model Massey Ferguson 35 PowerPlows3Drawbar (Tested)32.13 hp (24.0 kW)PTO (Tested)37.04 hp (27.6 kW) Perkins Diesel Engine DetailDisplacement152.7 cubic inches (2.5 L)Bore/Stroke3.60×5.00 inches (91 x 127 mm)Compression Ratio17.4:1Rated RPM2000Starter Voltage12V Continental Gasoline Engine DetailDisplacement134 cubic inches (2.2 L)Bore/Stroke3.3125×3.875 inches (84 x 98 mm)Compression Ratio6.6:1Rated RPM2200Idle RPM450-2250Starter Voltage12VCoolant Capacity10 quarts (9.5 L)Spark Plug18mm TransmissionTypeGearGears6 forward and 2 reverseClutchDry DiscOil Capacity32 quarts (30.3 L)Oil TypeSAE 80 GL1 Massey Ferguson 35 TiresFront Tires5.50-16 or 6.00-16Rear Tires10-28, 11-28, or 13-24 DimensionsWheelbase72 inches (182 cm)Length117 inches (297 cm)Width63.5 inches (161 cm)Height54 inches (137 cm)Clearance (Front Axle)20.5 inches (52 cm)Front Tread48 to 80 inches (121 to 203 cm)Rear Tread48 to 76 inches (121 to 193 cm) Massey Ferguson 35 WeightGas Shipping Weight2,982 lbs (1352 kg)Diesel Operating Weight3,559 lbs (1614 kg)Ballasted Weight5,909 lbs (2680 kg) Differential lock (rear optional)SteeringManual recirculating ball CapacityFuel Capacity13.9 gallons (52.6 L)Hydraulic System Capacity8 gallons (30.3 L) HydraulicsCapacity8 gallons (30.3 L)Pressure2800 psi (193.1 bar)Pump Flow3.5 gpm (13.2 lpm) Power Take-off (PTO)Rear PTOTransmission or two-stage clutch (Optional)Rear RPMGround/540 (1.375)Engine RPM540 @ 1700 Attachment – 38 LoaderOption1000 lbs lift (full at pin)Option2000 lbs breakoutHeight (at pin)94.5 inches (240 cm)Clearance (dumped)82.5 inches (209 cm)Weight615 lbs (278 kg)Bucket width36 inches (91 cm) The Massey Ferguson 35 is a highly regarded collector's model with significant historical value, often considered an iconic representation of mid-20th-century farming equipment. As a tractor expert, I can explain why this particular model is so special, its historical significance, and how it compares to similar tractor models of its era. Historical Significance: The Massey Ferguson 35 was produced from 1960 to 1965 and marked a pivotal era in agriculture. It represented a transition from traditional farming methods to more modern practices. During this time, mechanization was transforming agriculture, and the MF 35 played a crucial role in this transformation. Key Advantages: Versatility: The MF 35 was renowned for its versatility, making it suitable for various farming tasks. It could handle plowing, planting, harvesting, and hauling, making it an all-in-one workhorse for small to medium-sized farms. Reliability: This tractor was known for its robust construction and reliability. Its simplicity made it easy to maintain and repair, ensuring it could withstand the rigors of farm work. Collector's Appeal: The MF 35's timeless design and historical significance make it highly sought after by collectors and enthusiasts. Restoring and preserving these tractors has become a passionate hobby for many. Comparison with Similar Models: When comparing the Massey Ferguson 35 with similar tractor models of its era, it's essential to mention a few notable counterparts: Ford 8N: The Ford 8N was a popular tractor during the same period. While it shares historical significance, the MF 35 often stands out for its more modern design and versatility. International Harvester Farmall H: The Farmall H was another iconic tractor, known for its reliability. However, the MF 35 is often considered more versatile and suited for a broader range of tasks. John Deere Model M: John Deere's Model M was a competitor during this era. While it had its strengths, the MF 35's reputation for simplicity and versatility helped it gain an edge. Want to check out our tractor maintenance videos? Click here to see what we've got! The production of Ferguson TE20 and TO20 tractors spanned a decade, from 1946 to 1956. In tota 517,651 TE20's were manufactured and 140,000 TO20's. These tractor were certainly the most successful tractor range ever built and revolutionised farming in the post war years. In fact the TE20 was the first tractor to be used on many farms, which until that point had relied on heavy horses to do the work. The Massey Ferguson 35 Which tractors does this article cover? The title of this article 'Massey Ferguson 35' would, in actual fact, only refer to the production of tractors from 1957 to 1964, but this range of tractors included the American built TO35 (Tractor Overseas), English built FE35 (Tractor England) and the French built MF835 and 35-8. Here we will look at the English built tractors, but just to note that production first started in America of the TO35 in 1954. Production in England of the FE35 didn't start until 1956. Take a look at the serial numbers and year of production of the FE35. If you have one of these tractors, then you may find our easy to follow maintenance DVD's useful… MF35 (4 cylinder diesel) Engine Rebuild DVD MF35 (3 cylinder, Perkins diesel) Engine Rebuild DVD MF35 Hydraulics, Troubleshooting And Repair DVD Additional features to TE20 The Ferguson 35's were an updating of the TE20 range with uprated engines and power, dual clutch option to provide live drive pto, dual range gear box to increase forward speeds from 4 to 6, ground speed pto, increased hydraulic lift capacity and the addition of draft and postion control from a dual lever hydraulic control system (link to MF35 Hydraulics DVD). The De Luxe version was fitted with the dual clutch, live P.T.O., tractormeter and cushion seat. Grey gold The first of the Ferguson 35 tractors were painted with Grey tin work and copper coloured castings and were called the Ferguson FE35. Power was provided from either the Standard Motor Company petrol, VO or 23C 4 cylinder diesel engine. Many people ask why the engine is called the '23C' , well the Standard 23C engine is 2259 cc (in other words, nearly 23 hundred) [or 'C']. The distinctive colour scheme of the tractor led to the following names – Grey Bronze, Golden Grey, Gold Bellies, Grey & Gold, Gold Standard, Golden Belly, Golden Bird, Goldbauch (Germany) – and production in this livery continued with the last tractor been produced at serial number 74655. Transition to Massey Ferguson 35 Massey Harris and Ferguson merged on the 12th August 1953 and were known as Massey Harris Ferguson. The company name was changed to Massey-Ferguson (note the hyphen) following an announcement on 19th November 1957, but then the hyphen was dropped early in 1958. The colour of the tractor changed from grey and copper to the more familiar red tin work and grey castings. The change to the colour of the tractor was late in 1957 when the Massey-Ferguson name was first announced. The best information we have is that the first red and grey tractor was prodcued on the 5th December 1957, but if you know of any different information please let us know. One of the first red and grey tractors – note the Ferguson badge The first of these red and grey tractos retained the Ferguson badge on the front of the bonnet and the Ferguson 35 decals along the side of the bonnet (in the form of a metal badge as opposed to a sticker). However, the serial number plates (on the dashboard) continued to have the tractor model number stamped as FE35 and this model denotion continued right the way through the manufacture of all the Massey Ferguson 35's. The photo above is from a promotional brochure of the tractor from 1957, and below – a close up of those badges. Close-up of the Ferguson badges It is quite clear from these photos that the first red and grey tractors had Ferguson on the front and Ferguson 35 on the side of the bonnet and we also know that they have FE35 stamped on the identification plate. It therefore follows that although by this time the Massey-Ferguson company was founded and the colour of the tractor change to red and grey, the tractor was still branded as a Ferguson. One reader of this website has suggested that the Ferguson brand/badge remained until serial number 107892 (which was around June 1958) after which the triple triangle of Massey Ferguson was introduced. However, there are other tractor documented such as David's red and grey 35 (August 1958 SDM112958) and Per's FE35 (1959 SDM161488) – both with Ferguson badges on the front of the bonnet. David's tractor is in Australia and Per's in Canada and it is possible that these tractors were assembled after shipping using component parts in their respective countries, so there could be some differences here in comparrison to the English built tractors for the home market. Also, there is the following information to consider… Friends of Ferguson Enthusiasts site details engineering documents # 181 200 M93 MF front hood emblem authorized by Engineering Dept. on 2/9/60. See...(MF 35 Parts Book, MF, Inc. Form No. 651 093 M93, {6/77}, pp. 196, 197;specified on MF 35 Engineering Drawing # 181 200 M93/sheet 3). Wording change on decals from "Ferguson" to Massey-Ferguson" authorized by Engineering Dept. on 2/9/60. Bonnets, wings, castings We can just see the push button bonnet catch on the photo above, and this continued to be used until 1959 serial number 141140 after which a swivel catch was fitted on top of the bonnet lid itself. The six stud half shaft housing that was used on the grey gold tractors continued to be used for the production of the first 2972 red and grey machines before been replaced with the 12 stud version. There were many small changes and options to the tractors over the period of manufacture. The first of the Perkins engine tractors retained the old-style air inlet under the bonnet, but this changed to the raised air cleaner intake that went through the bonnet and must be removed before the bonnet can be lifted. 1962 gave the option of PAVT (power assisted variable track) wheels to speed up alteration of the rear wheel track and the advent of the swinging drawbar. Mudguards changed from the shell design to the extension mudguards that connected to revised footplates – this change was made to ensure health and safety compliance. Engines and transmission The most notable change was probably the adoption of the Perkins A3.152 engine from serial number 165596 in 1959. This engine gave 37 horsepower (3 more than the 23C) and was well liked by farmers. The 23C engine was renowned for poor starting performance and the Perkins engine brought new life into the 35. If you are rebuilding one of these engines we have uploaded data specifications and torques for the Perkins and the Standard engine. If you are rebuilding the Standard engine then you may find some useful information in the Engine Rebuild DVD. The transmission remained the same until there was a multi-power option on the 35X. This doubled up the available gears and also gave the advantage of change on the move gear shift. MF 35X The last engine change came with the introduction of the Massey Ferguson 35X, which used an uprated A3.152X engine. This was another well liked engine and the 35X is the more desirable version to many collectors. The differential lock became available in 1962 on the 35 and was also an option on the 35X (most of the 35X's were fitted with the diff lock). Castings Production Codes The date of manufacture of the castings is given in a code which consists of a letter, followed by a number and then finally another letter. The first letter indicates the month of manufacture 'A' for January, running through to 'L' for December. The number refers to the day of the month. The final letter refers to the year of production. 1957 is denoted by the letter 'F', through to 1964 'M'. To give an example, using the information from the table below we can see that a casting stamped J 24 L would have been manufactured on October 24th 1963. PREFIX MONTH A January B February C March D April E May F June G July H August I September J October K November L December PREFIX YEAR SERIAL NUMBERS F 1957 74656 – 79552 G 1958 79553 – 125067 H 1959 125068 – 171470 I 1960 171471 – 220613 J 1961 220614 – 267527 K 1962 267528 – 307230 L 1963 307231 – 352254 M 1964 352255 – 388382 This information has been collated from various sources, including many readers of the Vintage Tractor Engineer website. We would like to thank everyone who has contributed. There have been so many changes to the Massey Ferguson 35 over the years and many tractors have had replacement castings, engines and other components, so it is often difficult to ascertain what is (or is not) original. For that reason it is always good to hear from people who have owned a '35 from new and can therefore be certain about its originality. If you have any information about these tractors that you feel is worth adding to this page or if you have information which differs from that above then please let us know in the comments section below. 1960 - 1965 Utility tractor Production ManufacturerMassey Ferguson Utility tractor Built in Detroit, Michigan, USA Original price was $2,529 in 1963 The gasoline engine was available after 1961. Variants 35ag tractor 35 Utilityindustrial 35 Turflow-profile Mechanical Two-wheel drive Differential lockmechanical rear OptOptional Steeringmanual recirculating ball Independent manual shoe/drum brakes Open operator station. Capacity Fuel13.9 gal52.6 L Hydraulic system8 gal30.3 L Hydraulics Capacity8 gal30.3 L Pressure2800 psi193.1 bar Pump flow3.5 gpm13.2 lpm Power Take-off (PTO) Rear PTOtransmission two-stage clutch OptOptional Rear PTO Typeground/540 (1.375) Engine RPM540@1700 35 Serial Number Location Serial number plate on the dashboard of the Massey Ferguson 35. Electrical Charging systemgenerator Charging amps12 Battery volts12 Gas Battery AH40 Diesel Battery AH96 References Loaders published in 1963, by Massey Ferguson New 35 Diesel published in 1960, by Massey Ferguson MF 35 published in 1961, by Massey Ferguson Owner's Manual MF 35 Tractor (690 495 M3) Installation & Operation of Basic & Auxiliary Hydraulic Systems (690 562 M2) published in 1968 Page information Copyright 2024 TractorData.com® TractorData is a family-owned small business located in Minnesota that has been providing reference information on tractors since 1999. Peter Easterlund - owner/author Email: Peter@TractorData.com Updated on February 23, 2024 General informations and Service Manual Make Massey Ferguson Model 35 Company country United states Production years From 1960 Until 1965 Tractor type Utility tractor Fuel diesel Price - Total build - Service repair manual Massey Ferguson 35 Manual Dimensions, weight and tires specs AG front tires 5.50-16 AG rear tires 10-28 Weight 2,982 lbs or 1352 kg Length 117 inches [297 cm] Width 63.5 inches [161 cm] Height 54 inches [137 cm] Wheelbase 72 inches [182 cm] Ground clearance - Turning radius 9 feet [2.7 m] Rear tread size 48 to 76 inches Front tread size 48 to 80 inches Horsepower and engine specs Engine size 134 ci or 2.2 L Number of cylinders 4 cylinders Horsepower - Power RPM 2200 (rpm) Engine torque - Engine torque RPM - Fuel type diesel Fuel tank capacity 13.9 gal or 52.6 L Compression ratio 6.6:1 Bore stroke 3.3125x3.875 inches or (84 x 98 mm) Oil tank capacity 6 qts or 5.7 L Oil change frequency 100 h Coolant tank capacity 10 qts or 9.5 L Battery and electrical specs Number of batteries - Battery voltage - Electric ground force - Electric charging system generator Electric charging Amps 12 amps Engine starter volts 12 V Parts And Accessories Massey Ferguson 35 Parts Clutch and transmission specs Transmission system Multi-Power Transmission type partial power shift Transmission gears 12 forward and 4 reverse Clutch system dry disc Oil type SAE 80 GL1 Oil tank capacity 32 qts or 30.3 L Mechanical and cab specs Wheel drive 4x2 2WD Steering system manual recirculating ball Braking system independent manual shoe/drum Cabin type Open operator station Differentiel lock rear optional Hydraulic specs Pump flow rate 3.5 gpm or 13.2 lpm Hydraulic tank capacity 8 gal or 30.3 L Hydraulic pressure 2800 psi or 193.1 bar Drawbar specs Drawbar real power 32.13 hp or 24.0 kW Drawbar fuel consumption 2.3 gal/hour or 8.7 l/hour Max drawbar pull 3,965 lbs or 1798 kg Power take-off (PTO) specs PTO claimed power - PTO real power 29.84 hp or 22.3 kW PTO engine @RPM 540@1700 (rpm) PTO clutch system - Rear PTO system transmission Rear PTO RPM ground (rpm) Front PTO system - PTO fuel consumption 1.9 gal/hour or 7.2 l/hour 3 point hitch specs Hitch control system - Rear hitch I Rear hitch lift - Massey Ferguson produced its 35 farm tractor model From 1960 Until 1965 in United states with a Open operator station cabin.Talking dimensions and weight, this model weighs 2,982 lbs or 1352 kg has 63.5 inches [161 cm] of width, 117 inches [297 cm] of length and 54 inches [137 cm] of height while maintaining a wheelbase of 72 inches [182 cm] the front tread is about 48 to 80 inches while the rear tread is 48 to 76 inches .This tractor can fit ag tires of 5.50-16 front and 5.50-16 back .This Massey Ferguson 35 is powerd by a diesel engine it has 134 ci or 2.2 L 4 cylinders the fuel tank capacity is 13.9 gal or 52.6 L. This machine has 4x2 2WD wheel drive system,12 forward and 4 reverse Multi-Power transmission system.- Massey Ferguson provided us with the latest version of its 35 service repair manual - Find All mechanical and electrical parts and accessories of Massey Ferguson 35 farm-tractor here