I'm not a robot

Earnings release for the three months ended March 31, 2025 Learn More Kubota and Liebherr Announce Partnership for OEM Supply of Wheeled Excavators Learn More Expos in Osaka: From 1970 to 2025, Kubota Relays Its Baton to the Next Generation Learn More Introduction of Kubota Germination Lab at Expo 2025 Osaka, Kansai, Japan Learn More Kubota uses a wide range of products and technologies to provide solutions in the areas of food, water, and the environment, which are indispensable for people's lives. From a grain of rice or a drop of water to the foundations of society and industry, Kubota's solutions support the lives of human beings. As a comprehensive solutions provider for agriculture, Kubota offers total support at every stage of farming, from developing agricultural machinery that meets farmers' needs to the production, processing and consumption of agricultural products. Kubota supports farming throughout the world and contributes to a more prosperous future for people and food. Kubota's water environment solutions are active in all aspects of the water cycle, supporting water infrastructure in Japan and throughout the world. As a water treatment specialist, we are committed to finding solutions to the world's water problems and supplying safe water to all people in the world. Social infrastructure is indispensable for our prosperous and comfortable lives. Industrial infrastructure serves as the foundation for manufacturing. Kubota answers the needs of society to offer solutions that support these infrastructures, contributing to more affluent lives for humans. Kubota envisions the social issues that could arise in the near future and creates new services and business and develops products in anticipation if these issues, contributing even further to society. Kubota considers food, water and the environment as a singular theme, and aims to realize a sustainable society through a proper cycle of these elements using technology and solutions. Introducing financial and non-financial information focused on Kubota's Long-Term Vision and Mid-Term Business Plan, which are based on ESG management. KUBOTA FUTURE CUBE introduces Kubota's vision of future earth and technologies to contribute for the benefit of the Earth and all life on it. We introduce the KUBOTA SMART VILLAGE concept, which seeks to realize a future of carbon neutrality and resource recycling through comprehensive efforts to address social problems related to food, water, and the environment. Kubota Corporation is a platinum partner co-sponsor of "Future Life Expo: Future City", a Future Society Showcase project at Expo 2025 Osaka, Kansai, Japan. We unravel the history of Kubota's continued efforts to solve problems in the fields of "Food, water, Environment.Take a look at our 130 years of history. KUBOTA STORIES is media that spotlights Kubota's efforts to solve issues in locations throughout the world and the company's latest initiatives to bring about a sustainable society. How can financial brands set themselves apart through visual storytelling? Our experts explainhow.Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recentcoverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explainhow.Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recentcoverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explainhow.Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recentcoverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' FavoritesWhen it comes to maintaining and enhancing the functionality of your all-terrain utility vehicle, a clear comprehension of its structure is essential. This section delves into the intricate elements that contribute to the overall performance and reliability of your machine, ensuring you can tackle any task with confidence. By familiarizing yourself with the various components, you can easily identify any issues that may arise, allowing for timely repairs and upgrades. A well-maintained vehicle not only improves efficiency but also extends its lifespan, making it a worthwhile investment.Whether you are a seasoned operator or a newcomer, understanding the layout of your vehicles assembly can greatly enhance your ability to navigate maintenance challenges. With detailed illustrations and descriptions, youll be equipped to make informed decisions and keep your vehicle running smoothly.Kubota RTV X900 OverviewThis section provides a comprehensive look at a versatile utility vehicle designed for various terrains and tasks. Known for its reliability and efficiency, it stands out as a preferred choice among outdoor enthusiasts and professionals alike.Key FeaturesRobust engine performanceExceptional cargo capacityAll-terrain capabilitiesDurable construction for longevityUser-friendly controlsApplicationsAgricultural workLandscaping and maintenanceOutdoor recreational activitiesProperty managementImportance of Parts DiagramsVisual representations of components play a crucial role in understanding complex machinery. They facilitate easier identification and location of each element, enhancing the efficiency of repairs and maintenance. By providing a clear overview, these illustrations serve as essential guides for both novice and experienced technicians.Enhancing Repair EfficiencyHaving a visual reference allows technicians to quickly pinpoint issues and assess necessary replacements. This expedites troubleshooting, reducing downtime and ensuring that machinery operates at its ultimate performance level.Streamlining Maintenance ProcessesDetailed visuals aid in routine upkeep, helping users to follow proper procedures and avoid errors. By leveraging these resources, operators can maintain their equipment effectively, ultimately extending its lifespan and functionality.Key Components of the RTV X900This section explores the essential elements that contribute to the functionality and performance of this utility vehicle. Understanding these components is crucial for maintenance and enhancing overall efficiency.Core ElementsEngine: Provides the necessary power for operations.Transmission: Facilitates smooth gear transitions and control.Suspension: Ensures stability and comfort during rides.Braking System: Enhances safety and response time.Additional FeaturesCabin: Offers protection and comfort for the operator.Bed: Useful for transporting tools and materials.Lighting: Improves visibility in low-light conditions.Tires: Designed for various terrains, providing traction.How to Read Parts DiagramsUnderstanding technical illustrations is essential for effective maintenance and repair. These visual representations simplify complex components, allowing users to identify and locate essential elements easily.Here are some key points to consider when interpreting these visuals:Familiarize with Symbols: Learn the common symbols used to represent different components, as these vary across illustrations.Identify Sections: Diagrams are often divided into sections, each focusing on specific areas or systems. Recognizing these can aid in navigating the illustration.Reference Numbers: Most visuals include reference numbers that correlate with a parts list. This helps in finding detailed information about each component.By mastering these techniques, you can confidently approach any technical illustration, ensuring effective repairs and replacements.Common Maintenance ProceduresRegular upkeep is essential for the longevity and optimal performance of any utility vehicle. Following a structured maintenance routine ensures that all components function smoothly, minimizing downtime and enhancing reliability.Fluid Checks and ChangesRegularly inspecting and changing fluids is vital. This includes checking engine oil, transmission fluid, and coolant levels. Always refer to the manufacturers specifications for the right types and intervals to maintain efficiency and prevent overheating.Filter MaintenanceKeeping filters clean is crucial for ensuring the engine operates effectively. Air filters should be checked frequently, and fuel filters must be replaced as recommended. This helps to maintain air quality and fuel efficiency, ultimately prolonging the vehicles lifespan.Finding Genuine Replacement PartsEnsuring the longevity and optimal performance of your utility vehicle hinges on sourcing authentic components. Utilizing original equipment enhances reliability, maintains safety standards, and upholds the manufacturers warranty. By opting for genuine replacements, you guarantee compatibility and durability, crucial for efficient operation in demanding environments.Importance of Authentic ComponentsUsing non-genuine items may lead to subpar performance and increased wear and tear, potentially compromising the vehicles integrity. Authentic components are designed to meet specific specifications, ensuring they work seamlessly with existing systems. This not only improves functionality but also prolongs the lifespan of your machine.Where to Find Genuine ItemsAuthorized dealers and reputable online platforms are excellent sources for authentic components. Its advisable to verify the sellers credibility and read reviews to ensure you are purchasing quality items. Additionally, consulting the owners manual can provide insights on specific components and recommended suppliers, facilitating a more informed purchasing decision.Troubleshooting Common IssuesAddressing typical problems in utility vehicles can enhance performance and extend lifespan. Identifying symptoms early allows for effective solutions and minimizes downtime.Engine Performance ProblemsIssues with engine operation often stem from fuel delivery or air intake. Check the fuel filter and air cleaner for blockages. Regular maintenance can prevent these disruptions and ensure smooth performance.Electrical System FailuresIf electrical components are malfunctioning, inspect the battery and wiring connections. Corrosion or loose connections can cause significant disruptions. Ensuring a secure and clean connection is vital for optimal functionality.Upgrading Your RTV X900Enhancing your utility vehicle can significantly improve its performance and versatility. Upgrades can range from simple modifications to more complex installations, all aimed at maximizing efficiency and user experience.Performance EnhancementsConsider investing in a higher-capacity engine or improved exhaust system. These upgrades can boost horsepower and torque, leading to better towing capabilities and overall performance. Suspension upgrades also play a crucial role, offering improved handling on rough terrain.Utility and Convenience AdditionsIncorporate accessories such as storage solutions, lighting enhancements, or even a winch for increased utility. Ergonomic seating and upgraded controls can make your time spent operating the vehicle much more comfortable and enjoyable. "The positive attitude and expertise that Venture brings to our projects is the reason that our relationship continues to grow. We look forward to many successful projects together. 2017-07-17T19:46:35+00:00 Preston Mcafee, CEO - Rogers O' Brien Construction Company, LTDwww.r-o.com"The positive attitude and expertise that Venture brings to our projects is the reason that our relationship continues to grow. We look forward to many successful projects together. Venture brings quality real world solutions to the table with a staff that is responsive and reliable in executing those solutions. I look forward to continued success with Venture. 2017-07-17T19:37:26+00:00 Scott A. Sower, AIA, CCCA, Principal / Studio Director - Good Fulton & Farrell Architectswww.gff.comVenture brings quality real world solutions to the table with a staff that is responsive and reliable in executing those solutions. I look forward to continued success with Venture. The performance of Venture Mechanical on each of our projects always meets our expectations in terms of professionalism, integrity, and flexibility. 2017-07-17T19:16:25+00:00The performance of Venture Mechanical on each of our projects always meets our expectations in terms of professionalism, integrity, and flexibility. Venture's dedication and high performance helped our design team complete our project on time and on budget. I recommend Venture for any project. 2017-07-11T18:03:20+00:00 Joseph Hilliard, AIA, Principal -BOKA Powellwww.bokapowell.comVenture's dedication and high performance helped our design team complete our project on time and on budget. I recommend Venture for any project. "I'm always glad to hear Venture Mechanical has been awarded the contract on one of my projects.Venture is one of our preferred mechanical systems contractors." 2017-09-15T19:50:48+00:00 Jeffrey Long, P.E, Principal - Blum Consulting Engineers, Inc.www.blumeng.com"I'm always glad to hear Venture Mechanical has been awarded the contract on one of my projects.Venture is one of our preferred mechanical systems contractors." "Venture Mechanical is a great team player on our projects because of their integrity, can do spirit, and follow through. 2017-07-17T19:52:38+00:00 Kip Hanzlicek, P.E, President - Purdy McGuirewww.purdy-mcguire.com"Venture Mechanical is a great team player on our projects because of their integrity, can do spirit, and follow through. Venture Mechanical has been a valued partner to Ridgemont for many years, all the while maintaining a high level of trust. We can always count on Venture for outstanding design services, competitive pricing, high quality work, and maintaining aggressive schedules. 2017-09-15T20:00:54+00:00Venture Mechanical has been a valued partner to Ridgemont for many years, all the while maintaining a high level of trust. We can always count on Venture for outstanding design services, competitive pricing, high quality work, and maintaining aggressive schedules. Venture consistently delivers the highest quality work at competitive prices. Most importantly, Venture has always demonstrated the highest integrity. 2017-07-17T19:30:47+00:00 Greg Wilkinson, Co-Chairman - Hill & Wilkinson, LTDwww.hill-wilkinson.comVenture consistently delivers the highest quality work at competitive prices. Most importantly, Venture has always demonstrated the highest integrity. We feel that Venture Mechanical is one of the best if not THE best Mechanical Contractor in the Metroplex! 2017-07-11T16:32:54+00:00 Teddy Peinado, President- FA Peinadowww.fapeinado.comWe feel that Venture Mechanical is one of the best if not THE best Mechanical Contractor in the Metroplex! Venture's integrity and commitment to safety, quality, and client satisfaction has been demonstrated in every aspect of their process from design to project close-out. 2017-07-11T17:32:45+00:00 Ken Purcell, Preconstruction Manager- Hillwood Construction Serviceswww.hillwood.comVenture's integrity and commitment to safety, quality, and client satisfaction has been demonstrated in every aspect of their process from design to project close-out. TAKE ADVANTAGE OF OUR EXCLUSIVE OFFERS ON SELECT KUBOTA PRODUCTS.THESE SAVINGS WON'T LAST LONG!$0 DOWN | 0% A.P.R. | 84 MONTHS or Save Up to $3,000 on Select L02 Series Tractors*$0 DOWN | 0% A.P.R. | 84 MONTHS or Save Up to $1,900 on Select Kubota LX Series Tractors*$0 DOWN | 0% A.P.R. | 84 MONTHS or Save up to $3,500 on Select BX23S Series Tractors*Browse our savings catalog to find exclusive offers on tractors, mowers, and more.*Based on EDA/UCC Data from 01/01/2019 - 12/31/2023 for sales of new compact tractors 0-200 Hp in the state of Indiana.$0 Down, 0.99% A.P.R. for up to 36 Months or Save $250 on your new Z400 Series Mower!0% Down, 0.99% APR for 24 Months or save up to $500!Enter the sweepstakes every day, now through July 31, for your chance to WIN a Kubota and GIVE a mini grant to your hometown*]:mx-auto bg-gray-100 gap-preset-40 style=color:var(--wp--body--text);background-color:var(--wp--preset--color--gray-100)>BROWSE BY CATEGORYMacAllister Outdoors is your one-stop Kubota dealer in central Indiana for dependable, hardworking power equipment that can help you get more work done in less time in any outdoor environment. Our broad selection features a variety of mowers, tractors, utility vehicles and more for industries such as landscaping, construction and agriculture. Were proud to offer machines representing some of the most respected equipment brands in the industry, including an extensive assortment of new and used products by Kubota. Kubota introduced its first tractor to the United States in 1969 and its four-wheel drive compact tractor was a first for the industry in 1974. In the four decades since, Kubota has expanded its product line to include four lines of compact tractors, turf equipment, utility vehicles, and more. 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. Drivetrain transmitting propulsion powerFor other uses of the word "transmission", see Transmission."Gearbox" redirects here. For other uses, see Gearbox (disambiguation).Transmission internals for a 2009 Volkswagen GolfA transmission (also called a gearbox) is a mechanical device invented by Louis Renault (who founded Renault) which uses a gear settwo or more gears working togetherto change the speed, direction of rotation, or torque multiplication/reduction in a machine.[1][2] Transmissions can have a single fixed-gear ratio, multiple distinct gear ratios, or continuously variable ratios. Variable-ratio transmissions are used in all sorts of machinery, especially vehicles.Early transmissions included the right-angle drives and other gearing in windmills, horse-powered devices, and steam-powered devices. Applications of these devices included pumps, mills and hoists.[citation needed]Main article: Bicycle gearingBicycles traditionally have used hub gear or Derailleur gear transmissions, but there are other more recent design innovations.Power and torque curves for two example car enginesSince the torque and power output of an internal combustion engine (ICE) varies with its rpm, automobiles powered by ICEs require multiple gear ratios to keep the engine within its power band to produce optimal power, fuel efficiency, and smooth operation. Multiple gear ratios are also needed to provide sufficient acceleration and velocity for safe and reliable operation at modern highway speeds. ICEs typically operate over a range of approximately 6007000 rpm, while the vehicle's speeds requires the wheels to rotate in the range of 01800 rpm.[3]In the early mass-produced automobiles, the standard transmission design was manual: the combination of gears was selected by the driver through a lever (the gear stick) that displaced gears and gear groups along their axes. Starting in 1939, cars using various types of automatic transmission became available in the US market. These vehicles used the engine's own power to change the effective gear ratio depending on the load so as to keep the engine running close to its optimal rotation speed. Automatic transmissions now are used in more than two thirds of cars globally, and on almost all new cars in the US.Most currently-produced passenger cars with gasoline or diesel engines use transmissions with 410 forward gear ratios (also called speeds) and one reverse gear ratio. Electric vehicles typically use a fixed-gear or two-speed transmission with no reverse gear ratio.Transmission for a Bristol Sycamore helicopterMain article: Motorcycle transmissionThe simplest transmissions used a fixed ratio to provide either a gear reduction or increase in speed, sometimes in conjunction with a change in the orientation of the output shaft. Examples of such transmissions are used in helicopters and wind turbines. In the case of a wind turbine, the first stage of the gearbox is usually a planetary gear, to minimize the size while withstanding the high torque inputs from the turbine.[4][5]Many transmissions especially for transportation applications have multiple gears that are used to change the ratio of input speed (e.g. engine rpm) to the output speed (e.g. the speed of a car) as required for a given situation. Gear (ratio) selection can be manual, semi-automatic, or automatic.Main article: Manual transmissionA manual transmission requires the driver to manually select the gears[6] by operating a gear stick and clutch (which is usually a foot pedal for cars or a hand lever for motorcycles).Most transmissions in modern cars use synchromesh to synchronise the speeds of the input and output shafts. However, prior to the 1950s, most cars used non-synchronous transmissions.16-speed tractor transmission (plus 8 reverse gears)Mazda M5OD manual transmission (viewed from the engine side)Animation of a 4-speed sequential manual transmissionMain article: Sequential manual transmissionA sequential manual transmission is a type of non-synchronous transmission used mostly for motorcycles and racing cars. It produces faster shift times than synchronized manual transmissions, through the use of dog clutches rather than synchromesh.[7] Sequential manual transmissions also restrict the driver to selecting either the next or previous gear, in a successive order.A semi-automatic transmission is where some of the operation is automated (often the actuation of the clutch), but the driver's input is required to move off from a standstill or to change gears.Main articles: Automated manual transmission and Clutchless manual transmissionAn automated manual transmission (AMT) is essentially a conventional manual transmission that uses automatic actuation to operate the clutch and/or shift between gears.Many early versions of these transmissions were semi-automatic in operation, such as Autostick, which automatically control only the clutch, but still require the driver's input to initiate gear changes. Some of these systems are also referred to as clutchless manual systems.[8] Modern versions of these systems that are fully automatic in operation, such as Selespeed and Easytronic, can control both the clutch operation and the gear shifts automatically, without any input from the driver.[9][10]An automatic transmission does not require any input from the driver to change forward gears under normal driving conditions.Main article: Hydraulic automatic transmissionThe most common design of automatic transmissions is the hydraulic automatic, which typically uses planetary gearsets that are operated using hydraulics.[11][12] The transmission is connected to the engine via a torque converter (or a fluid coupling prior to the 1960s), instead of the friction clutch used by most manual transmissions and dual-clutch transmissions.[13]Hydraulic automatic transmission (cutaway view)Epicyclic gearing diagram, as used in hydraulic automatic transmissionsCutaway view of a ZF 6HP hydraulic automatic transmissionMain article: Dual-clutch transmissionA dual-clutch transmission (DCT) uses two separate clutches for odd and even gear sets.[14] The design is often similar to two separate manual transmissions with their respective clutches contained within one housing, and working as one unit.[15][16] In car and truck applications, the DCT functions as an automatic transmission, requiring no driver input to change gears.Main article: Continuously variable transmissionA continuously variable transmission (CVT) can change seamlessly through a continuous range of gear ratios. This contrasts with other transmissions that provide a limited number of gear ratios in fixed steps. The flexibility of a CVT with suitable control may allow the engine to operate at a constant RPM while the vehicle moves at varying speeds.CVTs are used in cars, tractors, side-by-sides, motor scooters, snowmobiles, bicycles, and earthmoving equipment.The most common type of CVT uses two pulleys connected by a belt or chain; however, several other designs have also been used at times.Gearboxes are often a major source of noise and vibration in vehicles and stationary machinery. Higher sound levels are generally emitted when the vehicle is engaged in lower gears. The design life of the lower ratio gears is shorter, so cheaper gears may be used, which tend to generate more noise due to smaller overlap ratio and a lower mesh stiffness etc. than the helical gears used for the high ratios. This fact has been used to analyze vehicle-generated sound since the late 1960s, and has been incorporated into the simulation of urban roadway noise and corresponding design of urban noise barriers along roadways.[17]Look up transmission in Wiktionary, the free dictionary.Wikimedia Commons has media related to Transmissions.Bicycle gearingDirect-drive mechanismList of auto partsTransfer case^ J. J. Uicker; G. R. Pennock; J. E. Shigley (2003). Theory of Machines and Mechanisms (3rded.). New York: Oxford University Press. ISBN9780195155983.^ B. Paul (1979). Kinematics and Dynamics of Planar Machinery. Prentice Hall.^ Naunheimer, Harald; Bertsche, Bernd; Ryborz, Joachim; Novak, Wolfgang (2011). "Power Conversion: Selecting the Ratios". Automotive Transmissions: Fundamentals, Selection, Design and Application. Springer. pp.100114. doi:10.1007/978-3-642-16214-5_4. ISBN978-3-642-16214-5. Retrieved 21 January 2023.^ Stiesdal, Henrik (August 1999), The wind turbine: Components and operation (PDF), retrieved 2009-10-06^ Musial, W.; Butterfield, S.; McNiff, B. (May 2007), Improving Wind TurbineGearbox Reliability (PDF), National Renewable Energy Laboratory, archived from the original (PDF) on September 23, 2012, retrieved July 2, 2013^ "Manual Transmission Operation". YouTube. Retrieved 21 January 2023.^ "How Sequential Gearboxes Work". www.howstuffworks.com. 4 April 2003. Retrieved 2 January 2020.^ "Hyundai Created a Clutch-less Manual Transmission". 10 July 2020.^ "Directly from the Formula 1". www.magnetimarelli.com. Retrieved 26 July 2020.^ "Introduction to Automatic Transmission Systems". www.tranzmile.com. Retrieved 1 August 2020.^ "How Automatic Transmissions Work". www.howstuffworks.com. 29 November 2000. Retrieved 22 November 2020.^ "What Makes Automatic Transmissions Automatic". Popular Mechanics. Hearst Magazines: 169173. February 1955. Retrieved 22 November 2020.^ "How does the AT work?". AW North Carolina. Archived from the original on 6 October 2014. Retrieved 6 October 2014.^ "Powertrain transmissions: Shift in power to the gearbox" (PDF). AMS. UnofficialBMW.com. SeptemberOctober 2003. Archived (PDF) from the original on 17 July 2011. Retrieved 31 October 2009.^ "Automatic-shifting dual-clutch transmissions are poised to grab share from traditional transmissions thanks to their combination of efficiency and convenience" (PDF). AEI-online.org. DCTfacts.com. June 2009. Archived from the original (PDF) on 7 October 2011. Retrieved 31 October 2009.^ "Porsche Doppelkupplung (PDK)". Porsche.com. Archived from the original on 5 December 2008. Retrieved 31 October 2009.^ Hogan, C. Michael; Latshaw, Gary L. (2123 May 1973). The Relationship Between Highway Planning and Urban Noise. Proceedings of the ASCE, Urban Transportation Division Specialty Conference. Chicago, Illinois: American Society of Civil Engineers, Urban Transportation Division. Archived from the original on 18 May 2007. Retrieved 12 September 2007.Retrieved from " The Kubota RTV 900 is a versatile utility vehicle designed for various applications, including farming, construction, and recreational use. To keep your RTV 900 running smoothly and efficiently, its essential to have access to the right parts and a comprehensive parts manual. The Kubota RTV 900 is a well-built machine, but like any vehicle, it may require replacement parts over time. Here are some essential parts for the RTV 900: Kubota RTV 900 AccessoriesIn addition to essential parts, there are various accessories available to enhance the functionality and comfort of your Kubota RTV 900. Some popular accessories include: Kubota RTV 900 Parts Diagram and ManualUnderstanding the layout and components of your Kubota RTV 900 is crucial for maintenance and repairs. You can refer to the parts diagram and manual to identify the specific parts you need and their corresponding part numbers. Here are some resources to help you access the parts diagram and manual for your RTV 900: Kubota RTV 900 and RTV X900 Transmission Problems and Fuse Box LocationWhile the Kubota RTV 900 is a reliable machine, some users have reported transmission problems and have had difficulty locating the fuse box. If you are experiencing transmission issues or need to access the fuse box, here are some tips: Kubota RTV 900 and RTV X900 SpecsIt runs on a D902, 3 cylinder, 4 cycle, diesel, water cooled Kubota engine, with a displacement of approx 55 cu.in. It has a gross output of 21.5 hp, and a net output of 20.5 hp.It has a liquid cooled cooling system with a pressurized radiator, an exhaust muffler with a spark arrestor, a paper air filter and a replaceable treated paper element oil filter .The different fluid capacities are : fuel capacity 8 gallons, a cooling system capacity of 4 quarts, an engine lubricant capacity of 3 quarts, atransmission oil capacity of 2.5 gallons and a brake system capacity of just under 0.5 quart.The Kubota RTV 900 has hydrostatic power steering, with independentfront suspension, differential front axle lock, and a wet disc braking system. The official dimensions include a height of 80 inches, a length of 120 inches, an overall width of 60 inches, a wheelbase of 80 inches and a weight of just over 1900 lbs.The cargo box has a width of 57 inches, a depth of 11 inches, a height from ground of 35 inches and a capacity of of 15 cubic feet with a weight of 1100 lbs.There are numerous safety features including standard rigid ROPS, 2 point retractable saet belts, parking brakes and two Halogen headlights.Kubota RTV 900 DieselThe Kubota RTV 900 Diesel is a popular utility vehicle designed for heavy-duty work in challenging terrain. It features a 3-cylinder liquid-cooled diesel engine that produces 21.6 horsepower. The vehicle has a cargo capacity of 1,102 pounds and can tow up to 1,300 pounds.Key features of the RTV 900 Diesel include: Hydrostatic transmission with high/low range Four-wheel drive with limited-slip front differential Hydraulic power steering Independent front suspension and semi-independent rear suspension Hydraulic dump bed Steel frame constructionThe RTV 900 has a top speed of 25 mph. It measures 122 inches long, 61.4 inches wide, and 79.1 inches tall, with a wheelbase of 80.5 inches. Ground clearance is 8.1 inches.This utility vehicle is designed for applications like: Agriculture and farming Landscaping and grounds maintenance Hunting and outdoor recreation Industrial and construction sitesThe RTV 900 Diesel provides a combination of power, durability and versatility that makes it well-suited for demanding work environments and rugged terrain. Its diesel engine offers good fuel efficiency and low-end torque for hauling and towing. The hydraulic dump bed and four-wheel drive capability enhance its usefulness for various tasks. Kubota RTV 900 utility vehicles are available for sale from various dealers and private sellers across the UK. These vehicles typically feature a diesel engine, 4-wheel drive, and hydraulic tipping cargo beds. Used models from years like 2013-2017 can be found, with prices ranging from around 5,000 to 11,000 depending on the condition and specifications.Key features often include: 21.6 HP 3-cylinder Kubota diesel engine Variable Hydro Transmission (VHT) Selectable 4WD Power steering Hydraulic tipping cargo bed Windscreen and roof Road lighting packageHours of use on used models can vary significantly, from under 1,000 hours to over 2,500 hours in some cases. Many have additional features like full cabs with heaters, turf tires, or front/rear hitches.When shopping for a used Kubota RTV 900, its advisable to inspect the vehicle thoroughly and check service history if available. Prices may or may not include VAT, so be sure to clarify this with the seller. Some dealers offer warranties on used models as well.The RTV 900 is known for its reliability and versatility for agricultural, landscaping, and utility applications. Its rugged construction and Kubota diesel engine make it popular for demanding work environments.Kubota RTV 900 PriceThe Kubota RTV 900 is available both new and used in the USA, with prices varying based on the model year, condition, and features.New Kubota RTV-X900 models:The current MSRP for a new Kubota RTV-X900 starts at $16,499. This price may fluctuate depending on the specific configuration and optional features selected.Used Kubota RTV 900 models:Used Kubota RTV 900 prices range widely based on age, condition, and mileage. Here are some examples of used prices: 2014 Kubota RTV X900 Diesel: $8,599 2016 Kubota RTV-X900R-A: $10,500 2017 Kubota RTV900: Price varies, contact dealer for specifics 2019 Kubota RTV900: $12,100 The price range for used Kubota RTV 900 models typically falls between $5,950 and $14,500.Factors affecting price:1. Model year2. Hours of use3. Overall condition4. Additional features or attachments5. Location and demand in the local marketWhen considering a purchase, its advisable to compare prices from multiple dealers and private sellers to find the best value. Keep in mind that prices may vary depending on the specific region within the USA and current market conditions.Kubota RTV 900 Maintenance CostsThe maintenance costs for a Kubota RTV 900 can vary depending on the service interval and specific work performed. Heres an overview of some typical maintenance costs:Routine Service Costs50-hour service:A 50-hour service at a Kubota dealer can cost around $238. This typically includes changing oil and filters.200-hour service:The cost for a 200-hour service may be higher, as it often involves more extensive maintenance.400-hour service:A 400-hour service can cost approximately $608, not including motor oil if youve switched to a different brand like Amsoil.Service Kit CostsA basic service kit for the RTV 900, which includes various filters and gaskets, can cost around $67-$73 (converted from British pounds).Factors Affecting Maintenance Costs1. Labor rates: These can vary significantly by location and dealer.2. Parts replaced: Costs increase if additional components need replacement.3. DIY vs. dealer service: Performing maintenance yourself can reduce costs considerably.4. Age and condition of the vehicle: Older or heavily used machines may require more frequent or extensive maintenance.Cost-Saving Tips1. Perform routine maintenance yourself when possible.2. Compare prices between different dealers and independent shops.3. Stay on top of regular maintenance to prevent more costly repairs down the line.Keep in mind that while maintenance costs may seem high, they are essential for keeping your Kubota RTV 900 in good working condition and can help prevent more expensive repairs in the future.Kubota RTV 900 Common RepairsBased on the available information, here are some of the most common repairs needed for a Kubota RTV 900:Engine Issues1. Head gasket replacement: Some owners have reported head gasket issues requiring repair.2. Fuel system problems: This may include replacing fuel filters or addressing issues with the fuel injectors.3. Air intake system: Checking and replacing air filters, as well as inspecting air intake hoses for collapse or damage.Transmission Problems1. Shifting issues: These are often traced to improperly adjusted or broken pressure release valves, which are typically a simple fix.2. Transmission fluid and filter changes: Regular maintenance is crucial to prevent more serious transmission problems.Electrical System1. Battery replacement: As with most vehicles, batteries may need replacement over time.2. Fuse box issues: Checking and replacing fuses as needed.Cooling System1. Radiator and heat exchanger cleaning: Regular cleaning helps maintain proper engine cooling.2. Coolant replacement: Periodic coolant changes are necessary for optimal performance.Brake System1. Brake fluid replacement: Regular brake fluid changes help maintain braking performance.2. Brake seal replacement: Over time, brake seals may need to be replaced to prevent leaks.Miscellaneous1. Fan belt adjustment or replacement: This is part of routine maintenance.2. Spark arrestor cleaning: Regular cleaning of the spark arrestor is important for proper engine function and safety.Regular maintenance, including oil changes, filter replacements, and proper lubrication of grease points, can help prevent many of these issues and extend the life of the Kubota RTV 900.Kubota RTV 900 Parts DiagramThe most important element of an operators manual for many people are the diagrams that accompany the official manufacturers specifications. For the Kubota RTV 900 these are normally diagrams for the :Transmission PartsRear Axle PartsFront Axle PartsKubota RTV 900 and RTV X900 Parts BreakdownThe main parts that are often needed relate to the :EngineAir cleanerAlternatorCamshaft and idle gear shaftCoverCrankcaseCylinder headDipstick and guideExhaust manifoldFanFlywheelFuel camshaftGear caseGovernorHead coverIdle apparatusInjection pumpInlet manifoldLower gasket kitMain bearing caseMufflerNozzle holderOil filterOil pumpOil switch/thermometerPiston and crankshaftSpeed control plateStarterStop solenoidKubota kitValve and rocker armWater flange and thermostatWater pumpTransmissionClutch shaft/output shaftFront wheel propeller shaftCountershaftMain shaftPTO counter shaftReverse shaftForward idle shaftGP idle shaftHST one cylinder blockHST two/armHST 3/port block coverHST 4/oil cooler coverHST fan coverMid PTOPropeller shaftPTO shaftRear gear shaftRear axle caseRear differentialTransmission caseSteeringSteering controllerSteering cylinder/component partsSteering handleManual steeringSteering linkageSteering postTilt pedalFront AxleDifferential gear shaftBevel gear caseKnuckle shaftEngine supportFront axleFront axle caseFront differentialFront differential caseFront drive shaftFront frameSubframeRear AxleDifferential lock pedalRear axleRear differentialRear wheelSpiral bevel pinionElectricalAlternatorFuel shutoff solenoidHazard lampHeadlight assemblyHeadlight lensKeysKubota batteryOil pressure switchRe-manufactured starterSafety switch, seatStarter assemblyStarter switch and keysTail lampTimer relayTurn Signal LampClutchCenter frameBevel gearClutch release forkClutch rodDifferential rearDriveshaftFirst shaftInput shaftPTO clutchPTO clutch valvePTO propellor shaftPTO shaftRear axle caseSecond shaftShift coverShuttle gear caseShuttle shaftTransmission caseClutchClutch leverClutch pedalClutch housingKubota RTV 900 and RTV X900 Parts Manual PDFThe operator and service manual for the Kubota RTV900 is most easily accessed as a PDF document, and can be downloaded either from the main Kubota website, or from a number of other websites online, either as a free download or normally at a minimal costThe manual is a crucial document in terms of advising both how to operate the rtv in a safe and efficient way, and at the same time keeping its operating parts running smoothly and effectively as possibleThe Kubota parts diagrams that are part of the manual are important in helping anyone to fit or repair a replacement part, either as part of a routine service, or because the part has become defective.The Kubota RTV900 PDF manual has a number of sections, which would normally cover the following areas of operation and servicing.Safe operation of vehicleServicing of vehicleSpecificationsInstrument panel and controlsEngine operationStarting the engineColdweather startingBlock heaterStopping the engineWarming upJumpstartingVehicle operationStarting, headlight switchHazard light switchWork light (front)Worklight (rear)Brake pedalRange gear shift leverParking brake leverSpeed control panelStoppingChecks during drivingFuel gaugeCoolant temperature gauge ParkingAccessories12 V electric outletthisOperating techniquesDifferential lockDirections for use of power steeringUnfamiliar terrainDriving in reverseDriving in four-wheel-driveTurning the vehicleHillsTraversing hillsidesSliding and skiddingDriving through waterOperating hand throttleStationery hydraulic outletCargo bedGeneral cautionMaximum cargo loadCargo bed tailgateRaising and lowering the cargo bedHydraulic outletHydraulic outlet leverHydraulic outlet valve coupler connecting and disconnectingTires and wheelsTowing and transportationRear trailer hitchFront trailer hitchWinch Mount bracketTransporting vehicleMaintenance service intervals and regular checksStorageTroubleshootingKubota RTV 900 Parts on EbayBuying parts on Ebay is a common feature of how many people keep their rtv running. The important thing is to check the serial number and have some idea of seller feedback, in case there are any problems, and the parts need returning.What is an RTVSome people get confused between different makes and models of what are commonly referred to as utvs and rtvs. There are basically two types of vehicle, an atv and a utv. Kubota make their own utv which they refer to as an rtv.Different types of RTV partsAftermarket New parts made by an alternative manufacturer which are normally almost identical to manufcaturers parts, but often considerably cheaper.Manufacturer parts Specific parts made by Kubota, often referred to as OEM Parts, often normally required to be fitted to comply with terms of any warranty in place.Salvage Parts used parts that are normally taken from a used rtv that either no longer works, or has run its lifetime, but certain parts are still useable.Kubota RTV 900 rear axle parts diagramKubota RTV 900 front axle parts diagramKubota RTV 900 transmission parts diagramKubota RTV 900 front drive shaft parts The towing capacity of a Kubota RTV 900 is typically around 1300 lbs (590 kg)How to install engine heater in a Kubota RTV 900Installing an engine heater in a Kubota RTV 900 can be a helpful addition, especially if you live in a cold climate. An engine heater can help with cold starts and prevent damage to the engine during extreme cold conditions. Here are the general steps to install an engine heater in a Kubota RTV 900:Please note: Its essential to refer to your specific engine heaters installation instructions, as they may vary depending on the brand and model of the engine heater you are using.Tools and materials you may need:Engine heater (block heater or oil pan heater)Screwdriver or wrench setPliersWire cutters and crimping toolElectrical tapeExtension cord (if not included with the engine heater)AntifreezeFunnelInstallation Steps:Prepare the vehicle: Ensure that your Kubota RTV 900 is parked on a level surface, and the engine is cold. Safety first: disconnect the batterys negative terminal to prevent electrical accidents during installation.Locate the frost plug or oil pan: Depending on the type of engine heater you have (block heater or oil pan heater), identify the appropriate location on the engine block or oil pan to install the heater. Refer to your engine heaters instructions for specific guidance.Drain coolant (if needed): If youre installing a block heater that requires you to remove a frost plug, you may need to drain some coolant from the engine. Use a funnel and container to collect the coolant, and remember to dispose of it safely. Be prepared to replace the coolant later.Install the engine heater: Follow the manufacturers instructions for your specific engine heater model to install it correctly. Typically, this involves removing a frost plug or oil pan drain plug and replacing it with the engine heater. Use the appropriate tools for this task.Electrical connections: Connect the electrical cord or wire from the engine heater to a power source. If your engine heater didnt come with an electrical cord or plug, you may need to purchase one separately and wire it according to the manufacturers instructions.Insulate the connections: Use electrical tape to insulate and protect the electrical connections. This is crucial to prevent water and moisture from causing electrical issues.Refill coolant (if needed): If you had to drain coolant during the installation, refill the engines coolant system to the recommended level. Make sure the radiator cap is securely closed.Recon

could be a sign of attempted repairs using sealants.Oil IssuesOil Contamination: The engine oil may appear milky or discolored, indicating coolant mixing with the oil.Other IndicatorsLoss of Power: The engine may experience a loss of power or run poorly.Visible Damage: Upon inspection, you might see signs of the head gasket being blown out when examining the cylinder head.Its important to note that these symptoms could also indicate other engine problems, so a thorough diagnosis is recommended. If you suspect a head gasket issue, its best to have the RTV 900 inspected by a qualified mechanic familiar with Kubota engines to confirm the problem and determine the extent of the damage.Kubota RTV 900 Fuel FilterThe fuel filter on a Kubota RTV 900 should typically be replaced every 400 hours of operation or annually, whichever comes first. This regular replacement helps ensure optimal fuel system performance and prevents contaminants from reaching the engine.However, the exact replacement interval may vary depending on operating conditions and fuel quality. If you frequently operate in dusty environments or use lower-quality fuel, you might need to replace the filter more often. Its a good practice to inspect the fuel filter regularly for signs of clogging or contamination.When replacing the fuel filter, its important to follow the proper procedure:1. Locate the fuel filter on the side of the engine, typically positioned low on the vehicle.2. Remove the plastic panel attached to the frame for easier access.3. Use a long extension on a ratchet to break the top nut loose while holding the filter.4. Unscrew the filter cup and remove the old filter.5. Clean the filter cup thoroughly.6. Install the new filter into the cup.7. Replace the two O-rings.8. Screw the assembly back into place, being careful not to overtighten.Remember to consult your Kubota RTV 900 owners manual for the manufacturers specific recommendations, as they may differ slightly based on your model year and operating conditions.Kubota RTV 900 Transmission OilTo change the transmission oil in a Kubota RTV 900, follow these steps:1. Warm up the engine and transmission by running the vehicle for a few minutes.2. Park the RTV on a level surface and engage the parking brake.3. Locate the transmission drain plug underneath the vehicle and place a drain pan beneath it.4. Remove the drain plug using a 17mm wrench and allow the oil to drain completely.5. While the oil is draining, remove the transmission oil filters. There are typically two filters one yellow and one white.6. Clean the filter sealing surfaces on the transmission housing.7. Install new filters, applying a thin layer of clean oil to the O-rings before installation.8. Replace the drain plug, ensuring it is tightened securely.9. Locate the transmission oil fill port, usually near the drivers seat.10. Fill the transmission with Kubota Super UDT2 fluid. The capacity is approximately 2.5 gallons.11. Start the engine and let it run for a few minutes, then check the oil level using the dipstick.12. Add more fluid if necessary to bring the level to the FULL mark on the dipstick.13. Operate the vehicle in both forward and reverse gears to circulate the new fluid.14. Recheck the fluid level after operating and top off if needed.15. Dispose of the old oil and filters properly.Remember to consult your specific RTV 900 owners manual for the exact fluid capacity and any model-specific instructions. Regular transmission oil changes help maintain the performance and longevity of your Kubota RTV 900.For the Kubota RTV 900, the recommended transmission oil is Kubota Super UDT2 fluid. This is a specialized hydraulic/transmission fluid designed specifically for Kubota equipment.Key points about the transmission oil for the Kubota RTV 900:1. Use only Kubota Super UDT2 fluid, as its the manufacturers recommended oil for optimal performance and longevity of the transmission.2. The transmission capacity is approximately 2.5 gallons.3. Kubota Super UDT2 is formulated for use in colder climates and is considered the best option for the RTV 900.4. Its important not to mix different types of transmission fluids, so stick with the Kubota Super UDT2.5. While some owners may consider alternative oils, using the manufacturer-recommended fluid is the safest choice to maintain the vehicles warranty and ensure proper operation.When changing the transmission oil, be sure to also replace the transmission oil filters as specified in the maintenance schedule. Regular transmission oil changes using the correct fluid help maintain the performance and longevity of your Kubota RTV 900.Kubota RTV 900 Power Steering FluidTo check and replace the power steering fluid in a Kubota RTV 900:1. Locate the power steering fluid reservoir under the seat. There are two reservoirs one for coolant and one for power steering fluid.2. Check the fluid level in the power steering reservoir. It should be between the low and high marks molded into the side of the reservoir.3. To drain the old fluid, remove the skid plate underneath to access the bottom of the reservoir. There is a hose clamp on a plastic nipple carefully remove this to drain the fluid into a pan.4. Once drained, reattach the hose and clamp.5. Refill the reservoir with the proper power steering fluid (Kubota UDT or equivalent hydraulic fluid) through the fill hole under the seat.6. Fill to between the low and high marks on the reservoir, about halfway full.7. Start the engine and turn the steering wheel lock-to-lock a few times to purge air from the system.8. Recheck the fluid level and top off as needed.9. Inspect for any leaks around hoses or fittings.The power steering system should be checked every 200 hours of operation and the fluid changed every 2 years as part of regular maintenance. Always use the fluid type specified by Kubota for optimal performance and longevity of the power steering components.When changing the power steering fluid in a Kubota RTV 900, there are a few things to keep in mind:1. Use the correct fluid. Kubota recommends using their UDT hydraulic fluid or an equivalent for the power steering system.2. Be careful when removing the drain plug on the bottom of the reservoir. The nipple is plastic, so use caution to avoid damaging it.3. After refilling, start the engine and turn the steering wheel lock-to-lock several times to purge any air from the system. Air in the lines can cause poor steering performance.4. Check for leaks around hoses and fittings after refilling and running the system.5. The power steering fluid reservoir should only be filled to about halfway between the low and high marks. Overfilling can cause issues.6. If the old fluid was significantly thicker or darker than normal when drained, it may indicate the need for more frequent changes in the future.7. While changing the fluid, inspect other components like hoses for any signs of wear or damage.8. Be sure to properly tighten the drain plug and fill cap after servicing to prevent leaks.9. The power steering system shares fluid with the transmission, so changing the power steering fluid typically involves changing all the hydraulic fluid in the system.By following the proper procedure and using the correct fluid, changing the power steering fluid should help maintain smooth steering operation in your Kubota RTV 900.Kubota RTV 900 EngineThe Kubota RTV 900 can experience several common engine issues:Loss of power, especially when going uphill, is a frequent complaint. This is often due to insufficient fuel delivery, which can be adjusted by fine-tuning the fuel injection system.Starting problems are another issue owners may encounter. The RTV 900 may crank but fail to start, which could be caused by fuel delivery problems, clogged filters, or issues with the glow plugs.Overheating can occur, potentially leading to more serious engine damage like blown head gaskets. This may be due to a malfunctioning cooling fan or radiator issues.White smoke from the exhaust can indicate coolant leaking into the combustion chamber, often because of a failed head gasket.Some owners report problems with the hydrostatic transmission, including difficulty shifting or getting stuck in gear.Fuel system issues are also common, including contaminated fuel, clogged filters, or problems with the fuel pump or injectors.Regular maintenance is crucial for preventing many of these issues. This includes changing filters, checking and replacing fluids, greasing moving parts, and addressing any small problems before they become major repairs.While these issues can occur, many owners find the RTV 900 to be a reliable machine when properly maintained. However, potential buyers should be aware of these possible problems and factor them into their decision-making process.Kubota RTV 900 Power LossThe Kubota RTV 900 can experience power loss due to several common issues:1. Fuel system problems: Clogged fuel filters, contaminated fuel, or issues with the fuel pump or injectors can restrict fuel flow and cause power loss, especially when going uphill.2. Insufficient fuel delivery: Many owners report that the factory fuel settings are too lean, leading to power loss on inclines. Adjusting the fuel injection system can often improve performance.3. Clogged exhaust: A blocked spark arrestor or muffler can restrict exhaust flow, reducing engine power. Cleaning or replacing these components may restore lost power.4. Engine compression issues: Low compression in one or more cylinders, possibly due to worn piston rings or valves, can result in significant power loss.5. Transmission problems: Issues with the hydrostatic transmission, such as low fluid levels or worn components, can cause a lag in power delivery.6. Air intake restrictions: A clogged air filter or other obstructions in the air intake system can limit airflow to the engine, reducing power output.7. Overheating: Engine overheating can lead to power loss. This may be caused by cooling system issues like a malfunctioning radiator or cooling fan.8. Emissions control adjustments: Some owners believe that strict emissions controls have led to overly lean fuel mixtures from the factory, contributing to power loss.Regular maintenance, including changing filters, checking fluid levels, and addressing small issues promptly, can help prevent many of these power loss problems in the Kubota RTV 900.Kubota RTV 900 Clogged Fuel InjectorsTo check if your Kubota RTV 900s fuel injectors are clogged, you can follow these steps:1. Listen for unusual engine sounds. A rough-running engine or misfiring cylinders can indicate clogged injectors.2. Check for power loss. If your RTV 900 is losing power, especially when going uphill, it could be due to clogged injectors restricting fuel flow.3. Inspect the exhaust. Excessive black smoke can suggest that fuel is not being properly atomized, which may be caused by clogged injectors.4. Perform a visual inspection. Remove the injectors and look for any visible debris or buildup on the nozzles.5. Conduct a fuel pressure test. Use a fuel pressure gauge to check if the pressure is within the manufacturers specifications. Low pressure could indicate clogged injectors.6. Do a fuel flow test. Remove the injectors and activate them electrically while collecting the spray in a clear container. Compare the spray patterns and volumes between injectors to identify any that are clogged or malfunctioning.7. Listen for clicking sounds. Use a mechanics stethoscope or a long screwdriver to listen for the characteristic clicking sound of properly functioning injectors while the engine is running.8. Check for uneven cylinder temperatures. After running the engine, carefully feel the exhaust manifold near each cylinder. A cooler area may indicate a cylinder with a clogged injector.9. Perform a cylinder balance test. Use a diagnostic tool to cut fuel to each cylinder one at a time. A cylinder with a clogged injector will show little to no change in engine performance when cut.If these tests indicate clogged injectors, you may need to clean or replace them. For best results, consider having a professional mechanic perform a thorough diagnosis and cleaning using specialized equipment.How to Service a Kubota RTV 900Heres how to service a Kubota RTV 900:Engine Oil and Filter Change:1. Park the RTV on a level surface and raise the cargo bed2. Remove the drain plug and allow oil to drain completely3. Remove the old oil filter4. Install a new oil filter, applying a small amount of oil to the rubber seal5. Replace the drain plug with a new washer6. Add approximately 3 quarts of new engine oil7. Check oil level and top up if neededTransmission Fluid and Filters:1. Remove the transmission drain plug and drain fluid2. Remove and replace both transmission filters (suction and power steering)3. Reinstall drain plug and add 2.5 gallons of new transmission fluid4. Start engine and check for leaks around new filters5. Check fluid level and top up if neededAir Filter:1. Locate the air filter housing and remove cover2. Remove and replace both the outer and inner air filter elements3. Clean out any debris from the housing before reinstalling new filters4. Secure the air filter coverAdditional Service Items: Check and clean radiator/heat exchangers Inspect and clean spark arrestor Check brake fluid level Grease all fittings Inspect and adjust fan belt if needed Check coolant level and conditionPerform these service tasks according to the maintenance schedule in your owners manual. Regular servicing will help keep your Kubota RTV 900 running smoothly and extend its lifespan.Common Issues During ServicesWhen servicing a Kubota RTV 900, several common issues may arise:Engine and Fuel System IssuesOil pressure problems are frequently encountered. These can manifest as warning lights coming on unexpectedly, often due to faulty oil pressure sensors or sending units. Replacing the oil pressure sensor is a common fix, though it doesnt always resolve the issue.Fuel system problems are another frequent concern. Symptoms may include: The engine starting and running for a short time before dying Bogging down when under load or encountering obstacles Poor performance, especially at higher throttle settingsThese issues can be caused by: Fuel starvation or contaminated fuel Clogged fuel filters Problems with the fuel injection system Blocked spark arrestorTransmission and Hydraulic SystemTransmission fluid leaks may occur, particularly around the filter areas. Its important to check for leaks after changing transmission filters and fluid.Maintenance ChallengesSome specific maintenance tasks can present difficulties: Accessing the oil drain plug can be tricky due to the skid plate placement. Some owners find it necessary to jack up one side of the RTV to properly drain the oil. Removing and replacing filters (both oil and transmission) in tight spaces can be challenging without proper tools. Bleeding the fuel system after service can be necessary to prevent air locks.Other Considerations Regular servicing, including changing fluids and filters according to the maintenance schedule, is crucial for preventing many common issues. Using the correct fluids and genuine or high-quality replacement parts is important for optimal performance and longevity. Proper diagnostic tools and procedures are often needed to accurately identify the root cause of problems, especially for more complex issues related to the engine or transmission.By being aware of these common issues, owners can better prepare for servicing their Kubota RTV 900 and potentially avoid some problems through regular maintenance.Kubota RTV 900 BatteryThe Kubota RTV 900 typically uses a 12-volt battery with the following specifications:Group Size: U1Cold Cranking Amps (CCA): 300-315 CCAReserve Capacity: 45-50 minutesDimensions: Approximately 7.75 L x 5.19 W x 7.13 HWhen selecting a replacement battery for your Kubota RTV 900, its important to choose one that matches these specifications to ensure proper fit and performance. The battery should be a sealed lead-acid type, maintenance-free design.Some compatible battery models include: Kubota K2581-61550 (OEM replacement) Exide FP-U1L Interstate U1-XHD Deka ETX15LWhen installing a new battery, make sure to:1. Disconnect the negative terminal first, then the positive2. Clean the battery tray and terminals3. Install the new battery, connecting the positive terminal first, then the negative4. Apply dielectric grease to the terminals to prevent corrosionIts recommended to check your batterys charge level regularly and keep it charged, especially if the vehicle is not used frequently. This will help extend the batterys lifespan and ensure reliable starting of your Kubota RTV 900.The battery on a Kubota RTV 900 typically lasts about 3-5 years with normal use and proper maintenance. However, several factors can affect battery life:1. Usage patterns: Frequent short trips or long periods of inactivity can shorten battery life.2. Maintenance: Regular charging and keeping the battery clean can help extend its lifespan.3. Environmental conditions: Extreme temperatures, especially heat, can degrade battery performance over time.4. Electrical system health: Issues with the alternator or other electrical components can put extra strain on the battery.5. Battery quality: Using a high-quality battery designed for the RTV 900 can provide longer service life.To maximize battery life: Keep the battery charged, especially if the vehicle is not used frequently Clean the battery terminals regularly to prevent corrosion Check and maintain proper electrolyte levels in non-sealed batteries Avoid deep discharges Store the vehicle in a temperature-controlled area when possibleIf you notice signs of reduced performance, such as slow starting or dimming lights, it may be time to test the battery and consider replacement. Regular maintenance checks can help identify potential battery issues before they lead to failure.Kubota RTV 900 Front Wheel BearingTo change a front wheel bearing on a Kubota RTV 900, follow these steps:1. Park the RTV on a level surface and engage the parking brake.2. Loosen the lug nuts on the wheel before jacking up the vehicle.3. Jack up the front of the RTV and secure it with jack stands.4. Remove the wheel completely.5. Remove the cotter pin and castle nut from the hub assembly.6. Take off the brake caliper and rotor.7. Remove the hub assembly from the steering knuckle.8. Use a bearing puller to remove the old bearing from the hub.9. Clean the hub thoroughly and inspect for any damage.10. Press the new bearing into the hub using a bearing press or large socket.11. Apply a thin layer of grease to the new bearing.12. Reassemble the hub onto the steering knuckle.13. Reinstall the rotor and brake caliper.14. Replace the castle nut and tighten to the specified torque.15. Insert a new cotter pin through the castle nut and axle.16. Reattach the wheel and lower the RTV.17. Tighten the lug nuts in a star pattern to the proper torque specification.18. Test drive the RTV to ensure proper installation and function.Remember to consult your RTVs service manual for specific torque specifications and any model-specific instructions. Its also important to work in a clean environment to prevent contamination of the new bearing. If youre not comfortable with this procedure, its best to have it done by a qualified mechanic.Common MistakesWhen changing the front wheel bearing on a Kubota RTV 900, there are several common mistakes to avoid:1. Using improper tools: Avoid using an impact wrench to tighten the axle nut. Instead, use a torque wrench to ensure the correct torque specification is applied.2. Failing to use the provided self-staking nut: Always use a new nut provided with the bearing kit. Reusing old nuts can lead to loosening over time.3. Neglecting to clean components: Thoroughly clean the axle shaft and wheel speed sensor (if equipped) before installing the new bearing. Debris can affect performance and longevity.4. Skipping inspection: Inspect the knuckle bore for damage or corrosion before installing the new bearing. Damaged bores can cause premature bearing failure.5. Not checking flange runout: Measure the hub flange runout before installation to ensure proper alignment and prevent vibration issues.6. Using low-quality parts: Choose high-quality, OEM-grade bearings to ensure reliability and longevity.7. Improper lubrication: Apply the correct amount of grease to the new bearing, but avoid over-greasing.8. Incorrect assembly order: Follow the proper sequence when reassembling components to avoid misalignment or damage.9. Neglecting to check for smooth rotation: After installation, manually rotate the hub to ensure smooth, noise-free operation before fully reassembling the wheel.By avoiding these common mistakes, you can ensure a proper front wheel bearing replacement on your Kubota RTV 900, leading to better performance and longer bearing life.Kubota RTV 900 Fuse BoxThe fuse box on a Kubota RTV 900 is located on the back of the operators compartment, also known as the cab. It can be found under a black plastic cover on the drivers side firewall area. To access the fuse box, youll need to lift or tilt the cargo bed.Specifically, the fuse box is positioned between the cargo bed and the seat. Once youve lifted the bed, youll see the fuses behind a plastic panel. The slow-blow fuse, which is important for the electrical system, is typically on the left-hand end of the fuse box.Its worth noting that some owners find this location a bit inconvenient, as you need to raise the cargo bed each time you want to check or replace a fuse. However, this design helps protect the electrical components from dirt and moisture.If youre having trouble locating the fuse box, it might be helpful to consult your owners manual or contact a Kubota dealer for more specific guidance, especially if your model has any unique features or modifications.Fuse Box ProblemsWhile there are no widespread issues reported specifically with the fuse box on Kubota RTV 900 models, there are a few electrical system considerations to be aware of:1. Fuse box location: The fuse box is positioned in a somewhat inconvenient spot behind the cab, requiring you to lift the cargo bed to access it. This can make checking or replacing fuses a bit cumbersome.2. Corrosion: Given the outdoor use of these vehicles, the fuse box and electrical connections can be susceptible to corrosion over time, especially if exposed to moisture or harsh environments. Regular inspection and cleaning of connections may be necessary.3. Blown fuses: Some owners have reported issues with blown fuses, particularly related to the fuel stop solenoid. This may indicate an underlying electrical problem that needs diagnosis.4. Wiring issues: In some cases, owners have experienced loss of power to the entire electrical system. While not always related to the fuse box itself, this can sometimes be traced to loose connections or damaged wiring near the starter or battery.5. Battery drain: There have been reports of unexplained battery drain on some RTV 900 models. While this isnt directly a fuse box issue, it can impact the overall electrical system performance.To maintain the electrical system on your Kubota RTV 900: Regularly inspect the fuse box and connections for signs of corrosion or damage Keep the area around the fuse box clean and dry Check fuses if you experience any electrical issues Consider adding dielectric grease to connections to prevent moisture ingress If experiencing persistent electrical problems, have a professional diagnose the systemWhile these arent necessarily common problems, being aware of potential electrical system issues can help you maintain your RTV 900 more effectively.Kubota RTV 900 Rear AxleTo replace the rear axle on a Kubota RTV 900, follow these steps:1. Lift and secure the vehicle, then remove the rear wheels.2. Disconnect the brake lines and parking brake cable.3. Remove the rear hub. You may need to use a gear puller if its pressed on tightly.4. Detach the leaf springs from the axle support bar.5. Lower and remove the axle support bar. Youll need to rotate it to clear other components.6. Disconnect any remaining attachments to the axle housing.7. Carefully remove the entire rear axle housing from the vehicle.8. Once the housing is out, you can access and replace the axle shaft.9. When installing the new axle, insert it slowly into the transmission, turning it back and forth as you push. This helps align the splines.10. Reassemble all components in reverse order, ensuring everything is properly tightened and aligned.11. Refill any fluids that may have been drained during the process.12. Test the vehicle thoroughly before regular use.This process can be complex and time-consuming. If youre not comfortable with mechanical work, its advisable to seek assistance from a professional mechanic familiar with Kubota RTVs.Common MistakesWhen replacing the rear axle on a vehicle like a Kubota RTV 900, there are several common mistakes to avoid:1. Improper torquing of fasteners: Its crucial to use a torque wrench and follow the manufacturers specifications when tightening nuts and bolts, especially for axle nuts. Over-torquing can damage components, while under-torquing may lead to loosening and premature failure.2. Letting the axle hang unsupported: During removal or installation, never allow the axle to hang from the differential or transaxle. This can damage the inboard joint and cause axle failure.3. Neglecting to clean mating surfaces: Failing to properly clean and prepare mating surfaces can lead to misalignment and potential leaks.4. Reusing worn components: Always inspect related parts like seals, bearings, and boots. Replace any that show signs of wear or damage.5. Improper alignment: Ensure the axle is correctly aligned and seated in the transmission/differential. Misalignment can cause premature wear and damage.6. Forgetting to check fluid levels: After installation, make sure to check and refill transmission or differential fluid as needed.7. Not inspecting the entire suspension system: While replacing the axle, take the opportunity to check other suspension components for wear or damage.8. Rushing the job: Take your time to ensure everything is properly installed and aligned. Rushing can lead to overlooked steps or mistakes.9. Failing to test thoroughly: After installation, perform a thorough test drive and inspection to ensure everything is working correctly before returning the vehicle to regular use.By avoiding these common mistakes, you can ensure a proper and long-lasting rear axle replacement on your Kubota RTV 900 or similar vehicle. To remove the front drive shaft on a Kubota RTV900 diesel, follow these steps:1. Park the vehicle on a level surface and engage the parking brake.2. Raise and support the front of the vehicle securely using jack stands.3. Remove the front wheels to gain better access to the drive shaft.4. Locate the drive shaft, which connects the front differential to the front wheels.5. Mark the position of the drive shaft flanges relative to the differential and wheel hubs for proper realignment during reassembly.6. Remove the bolts securing the drive shaft to the differential flange.7. Remove the bolts connecting the drive shaft to the wheel hub flange.8. Carefully slide the drive shaft out of the differential and wheel hub.9. If the drive shaft is difficult to remove, you may need to tap it gently with a rubber mallet to loosen it.10. Once the drive shaft is free, remove it from the vehicle.11. Inspect the drive shaft, U-joints, and seals for any signs of wear or damage.12. Clean the drive shaft and related components before reinstallation or replacement.When reinstalling the drive shaft, make sure to align the marks you made earlier and torque all bolts to the manufacturers specifications. Its also a good idea to apply a thin layer of anti-seize compound to the splines before reassembly.Common IssuesWhen removing the front drive shaft on a Kubota RTV900, there are a few common issues to watch out for:1. Proper support: Ensure the vehicle is securely supported on jack stands before beginning work underneath it.2. Marking components: Before removal, mark the position of the drive shaft flanges relative to the differential and wheel hubs. This will help with proper realignment during reassembly.3. Stuck bolts: The bolts securing the drive shaft may be corroded or seized. Use penetrating oil and allow it to soak before attempting removal.4. Careful extraction: When sliding the drive shaft out, be gentle to avoid damaging the splines or seals in the differential and wheel hubs.5. Inspect for wear: While the drive shaft is removed, check the U-joints, splines, and seals for any signs of excessive wear, damage, or leaks.6. Fluid leakage: Be prepared for some transmission fluid to leak out when removing the drive shaft from the transfer case. Have a drain pan ready.7. Cleanliness: Clean all mating surfaces and splines before reinstallation to ensure proper fit and function.8. Proper torque: When reinstalling, use a torque wrench to tighten all bolts to the manufacturers specified torque values.9. Alignment: Make sure to realign any marks you made during disassembly to ensure proper driveline balance.10. Grease application: Apply a thin layer of anti-seize compound to the splines before reassembly to prevent future seizure.By being aware of these potential issues, you can avoid common pitfalls and ensure a smoother removal and reinstallation process for the front drive shaft on your Kubota RTV900.

How to start a kubota rtv x900. Kubota rtv-x900 parts diagram. Kubota rtv parts diagram. Kubota rtv x900 maintenance schedule. Kubota rtv 900 parts manual pdf. Kubota rtv-x900 parts manual pdf.