2000 ford ranger parts manual

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GO to A NOTE: When 4X4 is disengaged, the front driveshaft may spin due to viscous drag in the transfer case, especially if cold. If this occurs, the front drive line can easily be stopped. Is any voltage indicated? Measure the voltage between transfer case electric shift motor C, circuit Y , and ground; and between transfer case electric shift motor C, circuit O , and ground. GO to GO to A Do the PID values agree with the ignition switch positions? GO to B2. GO to B6. GO to B8. Measure the resistance between the mode switch terminals 2 and 3. Is the resistance between and ohms? GO to B9. Page 36 Ranger Workshop Manual Page 36 of 62 Measure the resistance between the mode switch terminals 2 and 3. GO to B CHECK fuse 9 7. Are the resistances greater than 10, ohms? Is the resistance greater than 10, ohms? GO to C GO to D4. Does the vacuum drop exceed 0. GO to E9. GO to E Is the voltage greater than 10 volts? Disconnect the LH wheel end vacuum line connector. NOTE: This step may require rapid pumping for up to 10 seconds. Page 60 Ranger Workshop Manual Page 60 of 62 Are bubbles visible at the wheel bearing outer seal? Remove the hub and bearing; refer to Section B. Page 62 Ranger Workshop Manual Page 62 of 62 resistance is greater than 5 ohms, continue the test. Use two jumper wires to connect relay terminals 1 and 3 directly to the positive battery terminal. Set in volts position and check for voltage at terminal 4. Print page 1 Print document 62 pages. Cancel Delete. Sign In OR. Don't have an account? Sign up! Restore password. Upload from disk. Upload from URL. Quick Links. See also: Workshop Manual. Table of Contents. Before driving. Controls And Features. Seating And Safety Restraints. Starting and driving. Roadside Emergencies. Maintenance And Care. Capacities And Specifications. Customer Assistance. Reporting Safety Defects. All rights reserved. Reproduction by any means, electronic or mechanical including. 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Page 9 The Check Engine indicator light illuminates when the ignition is first turned to the ON position to check the bulb. The light may illuminate without a driveability concern being noted. For more information, refer to Fuel pump shut-off switch in the Roadside emergencies chapter. Air bag readiness Momentarily illuminates when the ignition is turned ON. Page 11 Instrumentation Turn signal Illuminates when the left or right turn signal or the hazard lights are turned on. If one or both of the indicators stay on continuously or flash faster, check for a burned-out turn signal bulb. Refer to Exterior bulbs in the Maintenance and care chapter. Page 12 Instrumentation Check gage if equipped Illuminates when the engine coolant temperature is high, the engine oil pressure is low or the fuel gauge is at or near empty. The ignition must be in the ON position for this lamp to illuminate. The lamp will also illuminate when the ignition is turned to the ON position. Page 13 Instrumentation Safety belt warning chime Sounds to remind you to fasten your safety belts. For information on the safety belt warning chime, refer to the Seating and safety restraints chapter. The fuel gauge may vary slightly when the vehicle is in motion. Page 15 vehicle from empty indication, the amount of fuel that can be added will be less than the advertised capacity due to the reserve fuel. Engine coolant temperature gauge Indicates the temperature of the engine coolant. Odometer Registers the total kilometers miles of the vehicle. Trip odometer Registers the kilometers miles of individual journeys. To reset, depress the control. Page 17 Instrumentation Engine oil pressure gauge This shows the engine oil pressure in the system. If the gauge indicates low pressure, stop the vehicle as soon as safely possible and switch off the engine

immediately. Rotate to the second position to also turn on the headlamps. Foglamp control if equipped Turn on the low-beam headlamps and press the foglamp control to activate the foglamps. Page 19 Flash to pass Pull toward you to activate and release to deactivate. Rotate up to brighten. Rotate down to dim. Rotate to full up position past detent to turn on interior lamps. Page 20 Controls and features Temperature control knob Controls the temperature of the airflow inside the vehicle. On heater-only systems, the air cannot be cooled below the outside temperature. Mode selector control Controls the direction of the airflow to the inside of the vehicle. Panel -Distributes outside air through the instrument panel registers. Page 21 Remove any snow, ice or leaves from the air intake area at the bottom of the windshield under the hood. Do not place objects over the defroster outlets. These objects can block airflow and reduce your ability to see through your windshield. Also, avoid placing small objects on top of your instrument panel. Page 22 Controls and features Mode selector control Controls the direction of the airflow to the inside of the vehicle. The air conditioning compressor will operate in all modes except. Since the air conditioner removes considerable moisture from the air during operation, it is normal if clear water drips on the ground under the air conditioner drain while the system is working and even after you Page 23 Controls and features Floor -Allows for maximum heating by distributing outside air through the floor ducts. However, the air will not be cooled below the outside temperature because the air conditioning does not operate in this mode. Floor and defrost -Distributes outside air through the windshield defroster ducts and the floor ducts. Page 24 Controls and features Do not place objects over the defroster outlets. These objects can fall down into the defroster outlets and block airflow and possibly damage your climate control system. This outlet should be used in place of the cigarette lighter for optional electrical accessories. Turn the control to raise or lower volume. Page 28 Controls and features Radio station memory preset The radio is equipped with four station memory preset controls. Setting memory preset stations 1. Page 29 Speaker balance adjust Speaker sound distribution can be adjusted between the right and left speakers. Press the TONE control three times, then use the volume knob to adjust the desired level. Speaker fade adjust if equipped Speaker sound can be adjusted between the front and rear speakers. The CLK control will allow you to switch between media display mode radio station, stereo information, etc. Page 32 Controls and features Tune adjust The tune control works in radio mode. Tune adjust in radio mode Press to move to the next frequency down the band whether or not a listenable station is located there. Hold the control to move through the frequencies quickly. Page 33 Controls and features Setting memory preset stations 1. Select the frequency band with the AM or the FM select control. Select a station. Refer to Tune adjust or Seek function for more information on selecting a station. Press and hold a memory preset control until the sound returns, indicating the station is held in memory on the control you selected. Page 34 Controls and features Speaker balance adjust Speaker sound distribution can be adjusted between the right and left speakers. Speaker fade adjust Speaker sound can be adjusted between the front and rear speakers. Page 35 selection. The tape deck stops and returns to play mode when the AMS circuit senses a blank section on the tape. In order to ensure proper operation of the AMS feature, the tape MUST have a blank section of at least four seconds duration between programs. Rewind The rewind control works in tape mode. Page 36 Controls and features Setting the clock Press CLK to toggle between listening frequencies and clock mode while in radio mode. Page 37 When in clock mode, the media information will display for 10 seconds, when the radio is turned on, and then revert to clock information. Anytime that the media is changed, new radio station, etc. Page 38 Controls and features Turn the control to raise or lower volume. Page 39 Press to move to the next frequency up the band whether or not a listenable station is located there. Hold for quick movement. Play will begin on the first track of the disc unless the CD changer is in shuffle mode. Page 40 Controls and features Scan function in radio mode Press the SCAN control to hear a brief sampling of all listenable stations on the frequency band. Press the SCAN control again to stop the scan mode. Page 41 Speaker fade adjust Speaker sound can be adjusted between the front and rear speakers. The first track of the disc will begin playing. After that, CD play will begin where it stopped last. Page 42 Controls and features Compression feature Compression adjust brings soft and loud CD passages together for a more consistent listening level. Press the COMP control to activate and deactivate compression adjust. Shuffle feature if equipped with CD changer The shuffle feature operates in CD changer mode only and plays all tracks on the current disc in random order. Page 43 to decrease minutes and to increase minutes. Page 44 Controls and features Turn control to raise or lower volume. Page 45 Seek function The seek function control works in radio, tape or CD mode. Seek function in radio mode Press to find the next listenable station down the frequency band. Press to find the next listenable station up the frequency band. Seek function in tape mode Press to listen to the previous selection on the tape. Page 46 Controls and features Scan function in tape mode Press

the SCAN control to hear a short sampling of all selections on the tape. The tape scans in a forward direction. To stop on a particular selection, press the control again. Page 47 Starting autoset memory preset 1. Press the AUTO control. When the first six strong stations are filled, the station stored in memory preset control 1 will start playing. If there are less than six strong stations available on the frequency band, the remaining memory preset controls will all store the last strong station available. Page 48 Controls and features Press the TREB control then press: to decrease the treble output to increase the treble output. Speaker balance adjust Speaker sound distribution can be adjusted between the right and left speakers. Press the BAL control then press: to shift sound to the left and to shift sound to the right. Press the button during rewind or fast forward to stop the rewind or fast forward function. Rewind The rewind control works in tape and CD modes. Dolby noise reduction Dolby noise reduction operates in tape mode. Dolby noise reduction reduces the amount of hiss and static during tape playback. Press the control to activate and deactivate the Dolby noise reduction. Page 52 Controls and features The CLK button will allow you to switch between media display mode radio station, stereo information, etc. When in clock mode, the media information will display for 10 seconds, when the radio is turned on, and then revert to clock information. Page 53 Do not leave tapes in the cassette player for a long time when not being played. Push up to activate the right turn signal. Do not use the speed control in heavy traffic or on roads that are winding, slippery, or unpaved. If you drive up or down a steep hill, your vehicle speed may vary momentarily slower or faster than the set speed. Page 57 You can accelerate with the accelerator pedal at any time during speed control usage. Releasing the accelerator pedal will return your vehicle to the previously programmed set speed. Page 58 Controls and features To disengage speed control Depress the brake pedal or Depress the clutch pedal if equipped. Disengaging the speed control will not erase the previously programmed set speed. Pressing OFF will erase the previously programmed set speed. Page 60 Controls and features When you shut off and re-start your vehicle, the transmission will automatically return to normal Overdrive mode. For additional information about the gearshift lever and the transmission control switch operation refer to the Automatic Transmission Operation section of the Driving chapter. The bars of varying length are for intermittent wipers. When in this position rotate the control upward for fast intervals and downward for slow intervals. Depress again to stop window operation. One touch down can be deactivated during operation by pushing up on the power window control. Hard objects can injure you in a collision. The interior lamps will illuminate. Press the control a second time within five seconds to unlock all doors. Locking the doors Press this control to lock all doors. To confirm all doors are closed and locked, press the control a second time within five seconds. Replacing the battery The transmitter is powered by one coin type three-volt lithium battery CR or equivalent. Typical operating range will allow you to be up to 10 meters 33 feet away from your vehicle. Page 67 Illuminated entry The interior lamps illuminate when the remote entry system is used to unlock the door s or sound the personal alarm. The dome lamp control if equipped must not be set to the OFF position for the illuminated entry system to operate. Page 68 Controls and features other objects on the key ring held away from the ignition key. Check to make sure the encoded ignition key is an approved Ford encoded ignition key. Spare SecuriLock keys can be purchased from your dealership and Page 69 Procedure to program spare SecuriLock New SecuriLock keys must have the correct mechanical key cut for your vehicle. Conventional non-SecuriLock keys cannot be programmed to your vehicle. You will need to have two previously programmed SecuriLock the new unprogrammed SecuriLock procedure. Do not pile cargo higher than the seatbacks to reduce the risk of injuring people in a collision or sudden stop. Always drive and ride with your seatback upright and the lap belt snug and low across the hips. Page 71 Seating and safety restraints Pull lever up to adjust seatback. Using the manual lumbar support if equipped Turn the lumbar support control clockwise to increase firmness. Turn the lumbar support control counterclockwise to increase softness. Page 72 Seating and safety restraints Center facing jump seat 4 door SuperCab if equipped To open, pull seat assembly down, then raise seatback. To stow the seat, fold seat back down and raise seat assembly to the fully upright position. Do not install a child seat in a center facing jump seat. Page 73 In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Each seating position in your vehicle has a specific safety belt assembly which is made up of one buckle and one tongue that are designed to be used as a pair. Page 74 Seating and safety restraints The front outboard safety restraints in the vehicle are combination lap and shoulder belts. The front passenger outboard safety belt has two types of locking modes described below: Energy Management Feature This vehicle has a seat belt system with an energy management feature at the front outboard seating positions to help further reduce the risk of injury in the event of a head-on collision. Page 75 When to use the automatic locking mode Anytime a child safety seat is installed in a passenger front or outboard

rear seating position if equipped. Children 12 years old and under should be properly restrained in the rear seat whenever possible. Page 77 Regular Cab and 4â€"door Super 2â€"door SuperCab To lower the shoulder belt height, push the button and slide the height adjuster down. To raise the height of the shoulder belt, slide the height adjuster up. Pull down on the height adjuster to make sure it is locked in place. Page 78 Seating and safety restraints Lap belts Adjusting the front center seat lap belt if equipped The lap belt does not adjust automatically. The lap belts should fit snugly and as low as possible around the hips, not around the waist. Insert the tongue into the correct buckle the buckle closest to the direction the tongue is coming Page 79 The lap belts should fit snugly and as low as possible around the hips, not around the waist. If you need to lengthen the belt, unfasten it and repeat the procedure above. To unfasten the belt, push in the release button prior to opening the rear door. Page 80 Seating and safety restraints Belt minder if equipped The Belt Minder feature is a supplemental warning to the safety belt warning function. Belts are Ford designs its safety belts to enhance comfort. If uncomfortable you are uncomfortable - try different positions for the safety belt upper anchorage and seatback which should be as upright as possible; Page 82 Seating and safety restraints One time disable Anytime the safety belt is buckled and then unbuckled during an ignition ON cycle, Belt Minder will be disabled for that ignition cycle only. Page 83 if equipped , shoulder belt guide on seatback if equipped , child safety seat tether bracket assemblies if equipped , and attaching hardware, should be inspected after a collision. Ford recommends that all safety belt assemblies used in vehicles involved in a collision be replaced. Page 84 This information will assist Ford in the servicing of your vehicle and may help Ford better understand real world collisions and further improve the safety of future vehicles. See your Ford or Lincoln-Mercury dealer. Children and air bags For additional important safety information, read all information on safety restraints in this guide. Page 86 Seating and safety restraints How does the air bag supplemental restraint system work? The air bag SRS is designed to activate when the vehicle sustains sufficient longitudinal deceleration. The fact that the air bags did not inflate in a collision does not mean that something is wrong with the system. Page 87 Several air bag system components get hot after inflation. Do not touch them after inflation. If the air bag is deployed, the air bag will not function again and must be replaced immediately. If the air bag is not replaced, the unrepaired area will increase the risk of injury in a collision. Page 88 Seating and safety restraints If any of these things happen, even intermittently, have the SRS serviced at your dealership or by a qualified technician immediately. Unless serviced, the system may not function properly in the event of a collision. Disposal of air bags and air bag equipped vehicles including pretensioners For disposal of air bags or air bag equipped vehicles, see your local dealership or qualified technician. Page 90 Seating and safety restraints The safety belts for the driver and right front passenger seating positions have been specifically designed to function together with the air bags in certain types of crashes. When you turn OFF your air bag, you not only lose the protection of the air bag, you also may reduce the effectiveness of your safety belt system, which was designed to work with the air bag. Child age 1 to A child age 1 to 12 must ride in the front seat because: the vehicle has no rear seat; Infant: An infant less than 1 year old must ride in the front seat because: my vehicle has no rear seat; the rear seat in my vehicle cannot accommodate a rear-facing infant seat; Important child restraint precautions You are required by law to use safety restraints for children in the U. Page 94 To improve the fit of lap and shoulder belts on children who have outgrown child safety seats, Ford recommends use of a belt-positioning booster seat that is labelled as conforming to all Federal motor vehicle safety standards. Belt-positioning booster seats raise the child and provide a shorter, firmer seating cushion that encourages safer seating posture and better fit of lap and shoulder belts on the child. Page 95 passenger side front and outboard rear seating positions if equipped. Ford recommends the use of a child safety seat having a top tether strap. Install the child safety seat in a seating position which is capable of providing a tether anchorage. For more information on top tether straps, refer to Attaching safety seats with tether straps. Page 96 Seating and safety restraints Installing child safety seats in combination lap and shoulder belt seating positions 1. Position the child safety seat in a seat with a combination lap and shoulder belt. An air bag can kill or injure a child in a child seat. If you must use a forward-facing child seat in the front seat, move seat all the way back. Page 97 Seating and safety restraints 3. Be sure the belt webbing is not twisted. Insert the belt tongue into the proper buckle the buckle closest to the direction the tongue is coming from for that seating position until Page 98 Seating and safety restraints 7. Pull the lap belt portion across the child seat toward the buckle and pull up on the shoulder belt while pushing down with knee on the child seat. Allow the safety belt to retract to remove any slack in the belt. Page 99 Do not install a child seat in a center facing jump seat. Tether anchorage hardware Tether anchorage hardware kits part number D20 including instructions, may be obtained at no charge

from any Ford or Lincoln-Mercury dealer. Tighten the anchor according to specifications. Otherwise, the safety seat may not be properly secured and the child may be injured in a sudden stop or collision. This system meets all Canadian Interference-Causing Equipment standard requirements regulating the impulse electrical field strength of radio noise. When starting a fuel-injected engine, avoid pressing the accelerator before or during starting. Page 2. Make sure the headlamps and vehicle accessories are off. If starting a vehicle with an automatic transmission: Make sure the parking brake is set. Make sure the gearshift is in P Park. If starting a vehicle with a manual transmission: Make sure the parking brake is set. If a light fails to illuminate, have the vehicle serviced. Page Cold starting performance can also be improved with the use of an engine block heater. The engine block heater is available as a Ford option and can also be obtained from your Ford dealer. Consult the engine block heater section for proper use of the engine block heater. Page Starting If the engine fails to start using the preceding instructions 1. When the engine starts, release the key, then release the accelerator pedal gradually as the engine speeds up. Page Guarding against exhaust fumes Although odorless and colorless, carbon monoxide is present in exhaust fumes. Take precautions to avoid its dangerous effects. If you ever smell exhaust fumes of any kind inside your vehicle, have your dealer inspect and fix your vehicle immediately. Do not drive if you smell exhaust fumes. Refer to the scheduled maintenance guide for scheduled maintenance. In normal operation, automotive brake systems may emit occasional or intermittent squeal or groan noises when the brakes are applied. Page With the ABS light on, the anti-lock brake system is disabled and normal braking is still effective unless the brake warning light also remains illuminated with parking brake released. If your brake warning lamp illuminates, have your vehicle serviced immediately. Page Driving ABS warning lamp warning lamp in the instrument cluster momentarily illuminates when the ignition is turned to the ON position. If the light does not illuminate momentarily at start up, remains on or continues to flash, the ABS needs to be serviced. With the ABS light on, the anti-lock brake system is disabled and normal braking is still effective unless the Page The BRAKE warning lamp in the instrument cluster illuminates and remains illuminated when the ignition is turned ON until the parking brake is released. Always set the parking brake fully and make sure that the gearshift is securely latched in P Park automatic transmission or in 1 First manual transmission. Page Use extra caution while becoming familiar with your vehicle. Know the capabilities and limitations of both you as a driver and your vehicle. Page Driving If the parking brake is fully released, but the brake warning lamp remains illuminated, the brakes may not be working properly. See your dealer or a qualified service technician. Driving with a 4â€”speed automatic transmission if equipped To put your vehicle in gear, start the engine, depress the brake pedal, then move gearshift lever out of P Park. Page Overdrive The normal driving position for the best fuel economy. Transmission operates in gears one through four. Overdrive can be deactivated by pressing the transmission control switch on the gearshift lever. The transmission control indicator light TCIL will illuminate on the instrument cluster. Page Driving 1 First Use 1 Low to provide maximum engine braking on steep downgrades. Upshifts can be made by shifting to 2 Second or to Overdrive. Selecting 1 Low at higher speeds causes the transmission to shift to a lower gear, and will shift to 1 Low after vehicle decelerates to the proper speed. Always come to a complete stop before shifting into and out of R Reverse. N Neutral With the gearshift lever in N Neutral , the vehicle can be started and is free to roll. Page Driving To return to Overdrive mode, press the transmission control switch. The TCIL will no longer be illuminated. Each time the vehicle is started, the transmission will automatically return to normal Overdrive mode. Page 3. Put the gearshift lever in N Neutral. Start the engine and let it idle for a few seconds. Put the gearshift lever in 1 First or R Reverse. Release the clutch slowly while pressing gradually down on the accelerator pedal. Page Driving Recommended shift speeds Upshifts when accelerating for best fuel economy Shift from: 1 - 2 2 - 3 3 -4 4 - 5 Overdrive Upshifts when cruising recommended for best fuel economy Shift from: 1 -2 2 - 3 3 - 4 4 - 5 Overdrive Maximum downshift speeds Page 4WD system indicator lights The 4WD system indicator lights illuminate only under the following conditions. If these lights illuminate when driving in 2WD, contact your Ford dealer as soon as possible. Illuminates when 4H 4WD High is engaged. Bring the vehicle to a stop. Depress the brake. Place the gearshift in N Neutral automatic transmission or depress the clutch manual transmission. Move the 4WD control to the 2WD position. Page Driving Maintain steering wheel control at all times, especially in rough terrain. Since sudden changes in terrain can result in abrupt steering wheel motion, make sure you grip the steering wheel from the outside. Do not grip the spokes. Drive cautiously to avoid vehicle damage from concealed objects such as rocks and stumps. Page Driving After driving through mud, clean off residue stuck to the driveshafts and tires. Excess mud stuck on tires and rotating driveshafts causes an imbalance that could damage drive components. If the transmission, transfer case or front axle

are submerged in water, their fluids should be checked and changed, if necessary. Page Driving Avoid sudden applications of power and quick changes of direction on snow and ice. Apply the accelerator slowly and steadily when starting from a full stop. When braking, apply the brakes as you normally would. In order to allow the anti-lock brake system ABS to operate properly, keep steady pressure on the brake pedal. It does not include passengers or aftermarket equipment. Payload: Combined maximum allowable weight of cargo, passengers and optional equipment. Weigh your vehicle as you customarily operate the vehicle without cargo. Page Trailer towing table 4x2 manual transmission Maximum trailer weight is shown. The combined weight of the completed towing vehicle including hitch, passengers and cargo and the loaded trailer must not exceed the Gross Combined Weight Rating GCWR. Trailer tow table 4x4 manual transmission Engine Rear Maximum Preparing to tow Use the proper equipment for towing a trailer, and make sure it is properly attached to your vehicle. Your vehicle may not have enough braking power and your chances of having a collision greatly increase. Page Driving Trailer tow connector Color Function 1. Dark Green Trailer right hand turn signal 2. Yellow Trailer left hand turn signal 3. White Ground Driving while you tow When towing a trailer: Ensure that you turn off your speed control. The speed control may shut off automatically when you are towing on long, steep grades. Page Allow more distance for stopping with a trailer attached. After you have traveled 80 km 50 miles , thoroughly check your hitch, electrical connections and trailer wheel lug nuts. When stopped in traffic for long periods of time in hot weather, place the gearshift in P Park automatic transmissions or N Neutral manual transmissions. This program is separate from the New Vehicle Limited Warranty. Page Roadside coverage beyond basic warranty In the United States, you may purchase additional roadside assistance coverage beyond this period through the Ford Auto Club by contacting your Ford or Lincoln Mercury dealer. Similarly in Canada, you may purchase additional coverage beyond the basic coverage period by consulting the Ford Roadside Assistance Club brochure or by calling 1â€”â€”â€”CLUB 1â€”â€”â€” Use the following procedure to reset the fuel pump shut-off switch. Turn the ignition to the OFF position. Check the fuel system for leaks. Blown fuses are identified by a broken wire within the fuse. Check the appropriate fuses before replacing any electrical components. Always replace a fuse with one that has the specified amperage rating. Pull the panel cover outward to access the fuses. To remove a fuse use the fuse puller tool provided on the fuse panel cover. Page Roadside emergencies Power distribution box The power distribution box is located in the engine compartment. Always disconnect the battery before servicing high current fuses. Always replace the cover to the Power Distribution Box before reconnecting the battery or refilling fluid reservoirs. Instead, gradually decrease your speed. Hold the steering wheel firmly and slowly move to a safe place on the side of the road. Temporary spare tire information Your vehicle may have a temporary or conventional spare tire. Page Roadside emergencies Location of the spare tire and tools The spare tire and tools for your vehicle are stowed in the following locations: Tool Spare tire Jack, jack handle, wheel nut wrench Key, spare tire lock if equipped Removing the spare tire 1. Page Roadside emergencies 2. If equipped, unlock and remove the spare tire carrier lock from the rear access hole located just above the rear bumper and below the tailgate. Insert the straight end of the jack handle into the rear access hole located just above the rear bumper and below the tailgate. Page Roadside emergencies 4. The flat full size tire should be stowed and tied down in the pickup box bed until it can be repaired. Page 4. Insert tapered end of the lug wrench behind hub caps and twist them off. Loosen each wheel lug nut one-half turn counterclockwise but do not remove them until the wheel is raised off the ground. Position the jack according to the following guides and turn the jack handle clockwise until the tire is a maximum of 25 mm 1 inch off the ground. Page Roadside emergencies To lessen the risk of personal injury, do not put any part of your body under the vehicle while changing a tire. Do not start the engine when your vehicle is on the jack. The jack is only meant for changing the tire. Never use the differential as a jacking point. Page Roadside emergencies Do not attempt to push start your vehicle. Automatic transmissions do not have push-start capability. Preparing your vehicle 1. Use only a 12â€”volt supply to start your vehicle. Connect the negative - cable to the negative - terminal of the assisting battery. Page Do not connect the end of the second cable to the negative - terminal of the battery to be jumped. A spark may cause an explosion of the gases that surround the battery. Ensure that the cables are clear of fan blades, belts, moving parts of both engines, or any fuel delivery system parts. Page It is recommended that your vehicle be towed with a wheel lift or flatbed equipment. Do not tow with a slingbelt. Ford Motor Company has not approved a slingbelt towing procedure. We provide a Scheduled Maintenance Guide which makes tracking routine service easy. If your vehicle requires professional service, your dealership can provide necessary parts and service. Turn off the engine and remove the key. Block the wheels to prevent the vehicle from moving unexpectedly. Working with the engine on Automatic transmission: 1. Set the

parking brake and ensure the gearshift is securely latched in P Park. Engine coolant reservoir 2. Windshield washer fluid reservoir 3. Transmission fluid dipstick automatic transmission 4. Engine oil dipstick 5. Brake fluid reservoir 6. Power distribution box 7. Clutch fluid reservoir manual transmission 8. Page Maintenance and care 3. Engine oil filler cap 4. Transmission fluid dipstick automatic transmission 5. Engine oil dipstick 6. Brake fluid reservoir 7. Power distribution box 8. Clutch fluid reservoir 9. Page Maintenance and care 4. Windshield washer fluid reservoir 2. Engine oil filler cap 3. Power steering fluid reservoir 6. Make sure the vehicle is on level ground. Turn the engine off and wait a few minutes for the oil to drain into the oil pan. Page Change your engine oil and filter according to the appropriate schedule listed in the Scheduled Maintenance Guide. Ford production and aftermarket Motorcraft oil filters are designed for added engine protection and long life. If a replacement oil filter is used that does not meet Ford material and design specifications, start-up engine noises or knock may be experienced. Page MAX. Do not fill above this line. Use only a DOT 3 brake fluid certified to meet Ford specifications. Refer to Lubricant specifications in the Capacities and specifications chapter. Brake fluid is toxic. If brake fluid contacts the eyes, flush eyes with running water for 15 minutes. Page If the fluid level drops, refill the fluid level to the step in the reservoir. Use only a DOT 3 brake fluid designed to meet Ford specifications. Refer to Capacities and specifications. Page In very cold weather, do not fill the reservoir all the way. Only use a washer fluid that meets Ford specifications. State or local regulations on volatile organic compounds may restrict the use of methanol, a common windshield washer antifreeze additive. When you are sure that all the pressure has been released, use the cloth to turn it counterclockwise and remove the cap. Recycled engine coolant Ford Motor Company recommends the use of a recycled engine coolant produced by Ford-approved processes. Fill your engine coolant reservoir as outlined in Adding engine coolant in this chapter. Refer to the Scheduled Maintenance Guide for the service interval schedules. Start the engine and let it run until it reaches normal operating temperature the engine coolant temperature gauge indicator will be near the center of the normal area between H and C. Page Maintenance and care operated for an extended period at high speeds, in city traffic during hot weather or pulling a trailer, the vehicle should be turned off for about 30 minutes to allow fluid to cool before checking. Drive the vehicle 30 km 20 miles or until it reaches normal operating temperature. High fluid level Fluid levels above the safe range may result in transmission failure. Add enough fluid through the filler opening so that the fluid level is at the bottom of the opening. Install and tighten the fill plug securely. Use only fluid that meets Ford specifications. Refer to the Capacities and specifications chapter. Page Use only fluid that meets Ford specifications. However, for severe usage or in high temperature climates, check the battery electrolyte level. Page Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks or lighted substances to come near the battery. When working near the battery, always shield your face and protect your eyes. Always provide proper ventilation. Page Maintenance and care If you do not allow the engine to relearn its idle trim, the idle quality of your vehicle may be adversely affected until the idle trim is eventually relearned. If the battery has been disconnected or a new battery has been installed, the clock and the preset radio stations must be reset once the battery is reconnected. Page 10 to 12 inches or limited production tires as defined in Title 49 Code of Federal Regulations Part Department of Transportation-Tire quality grades: The U. Department of Transportation requires Ford to give you the following information about tire grades exactly as the government has written it. Page Maintenance and care Treadwear The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. Check the tire pressure when tires are cold, after the vehicle has been parked for at least one hour or has been driven less than 5 km 3 miles. Page If you do not follow these precautions, your vehicle may not drive properly and safely. Make sure that all replacement tires are of the same size, type, load-carrying capacity and tread design e. Failure to follow these precautions may adversely affect the handling of the vehicle and make it easier for the driver to lose control and roll over. Page Maintenance and care The suspension insulation and bumpers will help prevent vehicle damage. Do not remove these components from your vehicle when using snow tires and chains. The pressure in an overfilled tank may cause leakage and lead to fuel spray and fire. Page death or permanent injury. If fuel is swallowed, call a physician immediately, even if no symptoms are immediately apparent. The toxic effects of fuel may not be visible for hours. Avoid inhaling fuel vapors. Inhaling too much fuel vapor of any kind can lead to eye and respiratory tract irritation. Page Maintenance and care Ethanol is more chemically active than gasoline. It corrodes some metals and causes some plastic and rubber components to swell, break down or become brittle and crack, especially when mixed with gasoline. Special materials and procedures have been developed for flexible fuel vehicles and

the dispensers used by ethanol fuel providers. Page The customer warranty may be void for any damage to the fuel tank or fuel system if the correct genuine Ford or Motorcraft fuel filler cap is not used. The fuel system may be under pressure. If the fuel filler cap is venting vapor or if you hear a hissing sound, wait until it stops before completely removing the fuel filler cap. Page Maintenance and care Octane recommendations Do not be concerned if your engine sometimes knocks lightly. These standards and guidelines can be obtained from Ford Motor Company. Fuel stations may apply to be certified as meeting these standards. However, not all stations meet these standards at this time. To ensure proper operation of your FFV on fuel ethanol, refuel at certified stations. Page Maintenance and care Fuel Filter For fuel filter replacement, see your dealer or a qualified service technician. Refer to the Scheduled Maintenance Guide for the appropriate intervals for changing the fuel filter. Replace the fuel filter with an authorized Motorcraft part. The customer warranty may be void for any damage to the fuel system if an authorized Motorcraft fuel filter is not used. Page Use a known quality gasoline, preferably a national brand. Use the same side of the same pump and have the vehicle facing the same direction each time you fill up. Have the vehicle loading and distribution the same every time. Your results will be most accurate if your filling method is consistent. Page Maintenance and care Idling for long periods of time greater than one minute may waste fuel. Anticipate stopping; slowing down may eliminate the need to stop. Sudden or hard accelerations may reduce fuel economy. Slow down gradually. Page Using fuel blended with alcohol may lower fuel economy. Fuel economy may decrease with lower temperatures during the first 12â€"16 km 8â€"10 miles of driving. Driving on flat terrain offers improved fuel economy as compared to driving on hilly terrain. Transmissions give their best fuel economy when operated in the top cruise gear and with steady pressure on the gas pedal. Page Maintenance and care If other than Ford, Motorcraft or Ford-authorized parts are used for maintenance replacements or for service of components affecting emission control, such non-Ford parts should be equivalent to genuine Ford Motor Company parts in performance and durability. Page Next, at least 20 minutes driving in stop-and-go, city-type traffic with at least four idle periods. Allow the vehicle to sit for at least eight hours without starting the engine. Then, start the engine and complete the above driving cycle. The engine must warm up to its normal operating temperature. Page Maintenance and care 5. Remove the bulb retaining ring by rotating it counterclockwise when viewed from the rear to free it from the bulb socket, and slide the ring off the plastic base. Keep the ring to retain the new bulb. Page Maintenance and care Replacing front side marker bulbs 1. Open the hood. Remove two screws from the lamp assembly. Disengage lamp assembly it has a snap fit. Disconnect the electrical connector from the bulb by pulling rearward. Follow the same steps to replace either bulb: 1. Open the liftgate to expose the lamp assemblies. Page Maintenance and care Replacing high-mount brakelamp and cargo lamp bulbs The replacement of the high-mount brakelamp bulb and cargo lamp bulb is basically the same. This procedure covers the high-mount brakelamp bulb. To remove the brakelamp assembly: 1. Remove the two screws and lamp assembly from vehicle. To replace all instrument panel lights - see your dealer. Washing your vehicle Wash your vehicle regularly with cold or lukewarm water. Never use strong detergents or soap. If your vehicle is particularly dirty, use a quality car wash detergent. Observe the application instructions on the products. Page Cleaning the exterior lamps Wash with the same detergent as the exterior of your vehicle. To avoid scratching the lamps, do not use a dry paper towel, chemical solvents or abrasive cleaners. Do not use abrasive cleansers on glass as they may cause scratches. The windshield or rear window is clean if beads do not form when you rinse it with water. The windshield, rear window and wiper blades should be cleaned on a regular basis, and blades or rubber elements replaced when worn. Cleaning mirrors Do not clean your mirrors with a dry cloth or abrasive materials. Use a soft cloth and mild detergent and water. Be careful when removing ice from outside mirrors because you may damage the reflective surface. Refer to Adding engine coolant, in the Maintenance and Care chapter. Page Washer Concentrate Add ml 4 oz. Ensure the correct automatic transmission fluid is used. Transmission fluid requirements are indicated on the dipstick or on the dipstick handle. Page Capacities and specifications Page Certification Label The engine number the last eight numbers of the vehicle identification number is stamped on the engine block, transmission, frame and transfer case if equipped. Capacities and specifications MFD. If you did not take advantage of the Ford Extended Service Plan at the time of purchasing your vehicle, you may still be eligible. Please contact your dealer for further information. Since this information is subject to change, please ask your dealer for complete details about Ford Extended Service Plan coverage options. Page Away from home If you own a Ford or Mercury vehicle and are away from home when your vehicle needs service, or if you need more help than the dealership could prov

mercy milan

2000 mercury mountaineer manual

2013 toyota venza limited headlights

ide, after following the steps described above, contact the Ford Customer Assistance Center to find an authorized dealership to help you. To properly review your case, the Board needs the following information The decisions of the Board are binding on Ford and, in some cases, on the dealer but not on consumers who are free to pursue other remedies available to them under state or federal law. Page If your vehicle must be serviced while you are traveling or living in Central or South America, the Caribbean, or the Middle East, contact the nearest Ford dealership. Ford cannot assume responsibility for any adverse effects or damage that may result from the use of such equipment. Page Index Air bag supplemental restraint system Page Page capacity Page Index air bag Page Speed control Page Filling Station Information Maintenance and care chapter. Print page 1 Print document pages. Cancel Delete. Sign In OR. Don't have an account? Sign up! Restore password. Upload from disk. Upload from URL.