89 240sx service manual

File Name: 89 240sx service manual.pdf
Size: 3695 KB
Type: PDF, ePub, eBook
Category: Book
Uploaded: 18 May 2019, 21:52 PM
Rating: 4.6/5 from 742 votes.

Status: AVAILABLE

Last checked: 9 Minutes ago!

In order to read or download 89 240sx service manual ebook, you need to create a FREE account.

Download Now!

eBook includes PDF, ePub and Kindle version

Book Descriptions:

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with 89 240sx service manual . To get started finding 89 240sx service manual , you are right to find our website which has a comprehensive collection of manuals listed.
Our library is the biggest of these that have literally hundreds of thousands of different products represented.

Book Descriptions:

89 240sx service manual

Page Count 952 Should be lubricated with grease. Unless otherwise indicated, useShould be lubricated with oil. Sealing point. Checking point. Always replace after every disassembly. Apply petroleum jelly. Apply A.T.F. Select with proper thickness. Adjustment is required. Service Data and Specifications. LeftHand, RightHandLeftHand Drive. RightHand Drive. Automatic Transmission Fluid. Drive range 1st gear. Drive range 2nd gear. Drive range 3rd gear. Drive range 4th gear. OverdriveTightening torqueWARNING indicates the possibility of personal injury if instructions are not followed. CAUTION indicates the possibility of component damage if instructions are not followed.ExampleROUTING in ELHARNESS LAYOUT in ELInstrumentRed. Green. Blue. YellowOrange. Pink. Purple. Gray. Sky BlueIS gshown below. ExampleNormally closedPedals are not depressed and parking brake is released.ExampleConnector guides for male terminals are shown in black andConnector. Connector symbol. Female terminal. Efj. Guide. Connector. Connector symbolExampleExample Wiper switch in LO position. Continuity circuit. CID terminalManual. The foldout should be spread to read the entire wiringCheckRefer to last pageBRl.Resistance. Approximately. Check the following items.Observe the following instructions beforeIf you must perform circuit continuity between harnessStart to diagnose a problem using procedures indicated inBattery voltage should exist.Procedure,Required results are indicated in bold type in the corresponding block, as shown below. These have the following meaningsIllustrations are provided as visual aids for work procedures. For example, symbol m indicated in the left upper portionSymbols included in illustrations refer to measurements orExample. View from terminal side. DirectionView from harness side. ConnectorDirection. Direction mark. A direction mark is shown to clarify the side of connector terminal side or harness side.http://www.geconte.pt/fotos/campbell-hausfeld-paint-sprayer-instruction-manual.xml

- **89 240sx service manual, 89 240sx service manual pdf, 89 240sx service manual download, 89 240sx service manual free, 89 240sx service manual online, 89 nissan 240sx service manual.**

Direction marks are mainly used in the illustrations indicatingAll connector symbols shown from the terminal side areViewf,omhernessside.nSymbol. Symbol explanationSymbol explanation. Check after disconnecting theAIC switch. Check after connecting theInsert key into ignition switch.Apply battery voltage directly toDo not start engine,or check. Disconnect battery negative cable.Start engine.DepressApply parking brake. Release brake pedal. Release parking brake. Depress accelerator pedal. CffH. Check after engine is warmed upRelease accelerator pedal.Voltage should be measured with aCircuit resistance should beCurrentshould be measuredwithFor details regarding theDestination. Model. Body. Transmission. Engine. CoupeN Canada. V CaliforniaA Automatic transmissionVehicle identificationVehicle identificationF.M.V.5.5. certification. Vehicle identificationEngine typeManufacture plant. W Kyushu. Model year. K 1989 year modelThe code for the check digit isModel change 0 to 91. Body typeRestraint system. S Standard. P AutomaticVehicle identification number Chassis numbed. Body color code. Trim color code. Engine model. Engine displacement. Transmission model. Axle modelUnit mm in. Coupe. Fastback. Overall lengthRoad wheel. SteelAluminumOffset. Tire sizeSparePlace wheel chocks at the front wheels when the rearWhen setting the lift arm, do not allow the arm to contact theSill. Put the sill in the slit of the lift pad to preventIf the pad does not haveNote. Liftup pointsIt is necessary to use proper towing equipment to avoidTowing is in accordance with Towing Procedure Manual atWhen towing with the rear wheels on the ground, releaseNISSAN recommends that vehicle be towed with the

drivingObserve the following restricted towing speeds and distances. Speed. Distance. Less than 65 km 40 miles. If the speed or distance must necessarily be greater, removeFront. RearBolt size. BoltTightening torque Without lubricant. Pitch mm. Hexagon head bolt. N.mHexagon flange bolt. N.http://elfast.ru/userfiles/campbell-hausfeld-generator-6000-manual.xml

mMarkMetric screw threadsUnder severe driving conditions, additional orThe periodic maintenance schedule is repeated beyond the last mileage and period shown by returning to theDrive beltsSee NOTE 1. Replace every 30,000 milesAir cleaner filter. Vapor lines. Fuel lines. Fuel filterEgnine oilThen replace everyIgnition wiresSpark plugs. Reference pageMiles x 1,000In such an event, replace them immediately. The owner need. Other maintenance items and intervals are required. AbbreviationsIf the vehicleSevere driving conditions. A Repeated short trips less than 5 miles 8 km and outside temperatures remain below freezing. C Driving in dusty conditions. D Driving on rough, muddy, or salt spread roads. E Towinga trailer, usinga camper or a cartop carrier. Driving conditionMaintenanceReference. More frequentlyAir cleaner filterSteering linkage ball joints. Exhaust systemThe owners can perform theItem. Reference pageTires Check the pressure with a gauge periodically when at a service station, including theCheck carefully for damage, cuts orWheel nuts When checking the tires, make sure no nuts are missing,and check for any looseTire rotation Tires should be rotated every 12,000 km 7,500 miles.Doors and engine hood Check that all doors and the engine hood operate smoothly as well asAlso ensure, that all latches lock securely. Lubricate if necessary. Make sure that the secondary latch keeps the hood from opening when the primaryWhen driving in areas using road salt or other corrosive materials, check lubrication frequently.Lights Make sure that the headlights, stop lights, taillights, tUrn signal lights, and other lightsAlso check headlight aim.Windshield wiper and washer Check that the wipers and washer operate properly and thatWindshield defroster Check that the air comes out of the defroster outlets properly and inSteering wheel Check that it has the specified free play. Be sure to check for changes in theFree play Lessthan 35 mm 1.38 in.

Seats Check seat position controls such as seat adjusters, seatback recliner, etc. to ensureCheck that theCheck that the latches lock securely for foldingdown rear seatbacks.Check the beltReference page. Clutch pedal Make sure the pedal operates smoothly and check that it has the proper freeBrake pedal Check the pedal for smooth operation and make sure it has the proper distanceCheck the brake booster function.On a fairly steep hill check that your vehicleWindshieldwasher fluid Check that there is adequate fluid in the tank. Engine coolant level Check the coolant levelwhen the engine is cold.Make sure the hoses have no cracks, deformation, rot orBrake and clutch fluid levels Makesure that the brake and clutch fluid levelsare between theIf the sound of theIt is very important to remove these substances, otherwiseFluid leaks Check under the vehicle for fuel, oil, water or other fluid leaks after the vehicleWater dripping from the air conditioner after use is normal. IfCapacity Approximate. Engine oil Refill. With oil filter. WithoutCooling system with reservoir tank. Reservoir tank. Manual transmission. DifferentialAutomatic transmission fluid. Power steering fluid. Recommended lubricants and fluidsImpLiterType DEXRONDOT 3 US FMVSS No. 116. Multipurpose grease. NLGI No.2 Lithium soap base. These oils can be identified by such labels as energy conserving, energy saving, improved fuel economy, etc.Outside Temperature. AnticipatedAnticipated Before Next Oil ChangeBefore Next Oil ChangeT Tension checking points. IAJ Adjusting bolts. Checking Drive BeltsAdjust if belt deflections exceed the limit. Belt deflection. Inspect drive belt deflections when engine is cold.UnitSet deflection ofLimit. AdjustedAlternatorChanging Engine CoolantApply sealant to the thread of drain plug.Follow instructions attached to antifreeze container forCoolant capacity. With reservoir tank.

http://www.raumboerse-luzern.ch/mieten/3m-c960-manual

Pour coolant through coolant filler neck slowly to allow air inInspect fuel lines and tank for improper

attachment and forIf necessary, repair or replace faulty parts.Tightenhighpressurerubber hose clamp so that clamp end isEnsure that screw does not contact adjacent parts.Be careful not to spill fuel over engine compartment. PlaceUse a highpressure type fuel filter. Do not use a syntheticAir Cleaner. Filter. The viscous paper type filter does not need cleaning betweenRefill oil capacity Approximate. FrontWith oil filter change. Without oil filter changeDrain plugUse recommended engine 011.After severalOil FilterRefer to Changing Engine Oil.Do not pull on the wire.Spark plug. Standard typeReconnect ignition wires according toSpark plugResistance. Less than 30 kilRefer to EVAPORATIVE EMISSION CONTROL SYSTEMIf fluid level is extremely low, check clutch system for leaks. Min.Never start engine while checking oil level. Filler plugOil capacity. Drain plugAIT FluidHot 50 aoocBut it can beHowever, fluid level mustIf level is at low side ofDo not overfill.Check fluid for contamination. If fluid is very dark or smellsRefer to section AT for checking operation of AlT. Check fluid for contamination.AIT FluidOil capacity With torque converterFiller plugDifferential Gear OilOil capacity. Drain plugChecking Disc BrakeUnit mm in. Front. RearDisc brake type. Standard thickness. Minimum thickness. RearAdjust wheel balance using road wheel center. Wheel balance Maximum allowable unbalanceRefer to S.D.S. Tire balancing weight Refer to S.D.S.Wheel nutsCheck connection with steering column for looseness.For automatic seat bait, refer to BF section. Rear seat belt. Check function ofFront seat beltSpark plugUnit mm in. Used belt deflection. AdjustedLimit. Alternator. Set deflection ofIgnition wire. Resistance kS1Standard typeNmSpark plugUnit 2 US qt, Imp qt. WithoutCoolant capacity. Unit 2 US qt, Imp qt. With reservoirDrain plug. Less than 30BrakeUnit mm in. Unit mm inPad.

http://emphatiqsolutions.com/images/branson-900ma-manual.pdf

Standard thicknessCasterToeinStandard th icknessFull turnFree heightToeoutParking brake. Number of notchesWheel bearing axle endWheel bearing lock nut. Tightening torque. N.m kgm, ftIb. RearWheel balanceTire balance weightNm. Clutch. Pedal stopper lock nut. Clutch switch lock nutFinal drive. Drain plugFront axle and frontTierod lock nutCamber adjusting pin. Rear axle and rearToe adjusting pinAir bleed valveWheel nutBolt holeBe sure liquid gasket is 2.0 to 3.0 mm 0.079 to 0.118 inTool name. DescriptionIdle speedMore than 78 0.8, 11GasketN.m kgm, ftIbPunchWhen removing oil pump, turn crankshaft so that No.1When installing oil pump, align punchmark on drive spindleOilFrontIf damaged, replace regulator valve set or oil pump assembly.If replacement is necessary, removeInstall a new valve in place by tapping it.Rotor. Less than 0.12 0.0047Outer rotor to body clearance. Side clearance with gasket CIDThermostat. Open. Thermostat. Closed. Radiator. Intake man ifold. ThermostatWrap a thick cloth around cap and carefully remove the capCHECKING COOLING SYSTEM FOR lEAKS. To check for leakage.Testing pressureRadiator cap relief pressureRemove liquid gasket from mating surface of pump housingClean all traces of liquid gasket using white gasoline.Use Genuine Liquid Gasket or equivalent.Cut here.It should sea.ttightly. Water inletUpward. Jiggle valveValve opening temperatureSimilarly, remove liquid gasket from mating surface ofClean all traces of liquid gasket using white gasoline.Use Genuine LiqLJidGasket or equivalent.NmIkgm,ftlbCooling FanI amp.Even though air conditioner operates normally under highIuBattery voltage should exist. Check subharness for thermoswitch continuity. If N.G., repairCheck the followingsIf N.G. replace them.ContinuitY. Above. Yes. Below. NoContinuity should exist. If N.G., repair harness.Battery voltage should exist.IiContinuity should exist. If N.G. replace condenser fanBattery voltage should exist.Continuity should exist.Oil pump. Oil pressure check.

http://emfasiscv.com/images/branson-b400-manual.pdf

Unit. Engine rpm. Approximate discharge pressure. Idle speed. More than 78 0.8, 11Less than 0.12 0.0047. Outer rotor to body clearanceThermostat. Valve opening temperature. Max. valve liftCap relief pressure. Leakage test pressureSee pullout following EL section.Tool nameDescription. MeasuringDo not turn diagnosis modeHowever, this is not an indicationBefore connecting or disconnecting E.C.U. connector, makeAlways install the properlyDisconnect connector by pulling it

not the harness straightBefore connecting connector,Do not let them run parallel forDo not apply battery power directly to injectors; otherwiseDo not reverse polarity of battery when connecting it.Do not reuse fuel hose clamps. Tighten fuel hose clamps toDo not disassemble air flowDo not clean air flow meterImmediately after starting, doA poor connection can causeKeep E.C.C.S. harness at leastE.C.C.S. systerri malfunctionKeep E.C.Cs parts and harnesses dry. Before removing parts, turn offFuel pumpExhaust gasPressure regulator. PressureLA.A. unit. S.C.V.control. Fuel filterIgnition coil andDistributorExhaust gas temperature sensor I.ThrottleTransmissionExhaustA.I.V. controlExhaustgasflow. Air flow meAir flow meterIgnition switchIdle switchIdle speed control. Auxiliary air controlA.I.V. control. AI.V. control solenoid valve. Canister control. E.G.R. control solenoidIgnition timing controlFuel pump controlAir regulator control. Air regulator. Acceleration cutAir conditioner relay. S.C.V. Swirl controlS.C.V. controlExhaust gas sensor. Inspection lampsPressu re regu latorPressu re regulator controlInhibitor switch AiT. Vehicle speed sensorBatteryFailsafe functionE.G.R. controlAir reguratorCanisterAir ductTo tachometerIdleNO.4 and 6The fuel injector is a small, elaborate solenoid valve. As the. E.C.U. sends injection signals to the injector, the coil in theThe injected fuel is controlled by the E.C.U. in terms of injection pulse duration.

Brass wire is used in the injector coil and thus the resistance isIntake manifold. The pressure regulator maintains the fuel pressure at 299.1 kPa. Since the injected fuel amount dependsAir chamberFuel returnToLouver. Holder. Isolation bushing. Contact plateThe sensor has a closedend tube made of ceramic zirconia. The outer surface of the tube is exposed to exhaust gas, andThe zirconia of the tubeIn order to improve theThe radical change from 1V to. OV occurs at around the ideal mixture ratio. In this way, theMixture ratioOutletThe fuel pump with a fuel damper is a submergible type, andMotorThe ignition signal from the E.C.U. is amplified by the powerA bimetal, heater and rotary shutter are built into the airThe I.A.A. unit is made up of the AA.C. valve, F.I.C.D. solenoidIt receives the signal from the E.C.U.The F.I.C.D. solenoid valve compensates for changes in idleIdleAirThe power steering oil pressure switch is attached to the powerVehicle Speed SensorReed. ReedI.me I\The vehicle speed sensor provides a vehicle speed signal to theFieldplateThe E.G.R. control valve controls the quantity of exhaust gas to.To E.G.A.Vacuum signal source. AirThe B.P.T. valve monitors exhaust pressure to activate theE.G.R. control valve. In other words, recirculated exhaust gas isExhaust pressureThe air induction valve sends secondary air to the exhaustThe A. LV. control solenoid valve cuts the intake manifoldWhen the control unitE.G.R. Control Solenoid ValvePressure Regulator P.R. Control Solenoid. Valve. E.C.U. When it is off, a vacuum signal from the intake manifoldWhen the control unit sendsS.C.V. Control Solenoid Valve. The S.C.V. control solenoid valve cuts the intake manifoldIt responds to theWhen the controlFuel Filter. The specially designed fuel filter has a metal case in order toThe carbon canister is filled with active charcoal to absorb.

These absorbedThe vacuum in the intake passage upstream of the throttle valveWhen the vacuum of the intake passage is higher than a presetThe check connector for E.C.C.S. checker box is beside fuseThe exhaust gas temperature sensor monitors in exhaust gasElectric resistance of the thermistorEngine speed and piston position. Crank angle sensor. Amount of intake air. Air flow meterEngine temperatureDensity of oxygen in exhaust gas. Exhaust gas sensor. ThrottleThrottle valve position. Throttle valve idle position. Idle switch. Neutral switch MfT. Inhibitor switch AfTInjector. Gear position. Vehicle speed. Vehicle speed sensor. Ignition switch. Start signal. Battery voltage. BatteryLowHighExhaustInJInjectorThe control unit adjusts the injectionThis stage refers to the closedloop control condition. TheE,C.U. detects any of the following conditions and feedbackHowever, the basic mixtureAccordingly, a difference between the basic and theoreticalInjection pulseNo.2 cylinderNo.3 cylinderNo.4 cylinderNo.1 cylinderJlNo.2 cylinder.JlNo.3 cylinder.JlFuel is injected once a cycle for each cylinder in the firing order.When engine starts, fuel is injectedIgnition Timing Control. Engine speed and piston position. Air flow meter. Engine

temperature. Enginetemperature sensor. Throttle sensor. Inhibitor switch AfT. Throttle valve idle positionThrottle valve opening angle. Neutral position. Ignition switchThe ignition timing data is stored in the ROMThe E.C.U. detects information such as the injection pulse width and crank angle sensor signalThen responding toN 1,800 rpm, Tp 1.50 msec. In addition to this,TpEngine speedEnginetemperature sensorStart signalNeutralF.I.C.D. solenoid valveBattery. I Vehicle speed sensorIdle speed is controlledThe optimumIgnition switchStart signalThe E.C.U. activates the fuel pump for severalE.C.U. stops pump operation and prevents batteryIt controls. Ignition switch is tunred to ON. Engine running and cranking. Fuel pump operation. Operates forOperates.

When engine is stopped. Stops in 1 second. Except as shown above. Stops. Air Regulator Control. Engine speedStart signal. Ignition switchThe air regulator is controlled by the E.C.U. at theIgnition switch is turned to ON. While engine is running andAir regulatorOperates forOperates. OFF in 1 second. Except as shown aboveEnginetemperature. Engine temperature sensor. Throttle valve idle positionEngine speed. A.LV. controlVehicle speedThe exhaust pressure in the exhaust manifoldIf a secondary air intake pipe is opened to theThe air induction valve is controlled by the E.C.C.S.When the engine is cold, the A.I.V. controlIn extremely cold conditions, A.I.V. control systemEnginecondition. Water temperature. A.LV. control solenoidA.LV. control system. Idle or deceleration. Between 28 82 andEngine speed. Crank angle sensorAir flow meterEngine temperatureE.G.R. valve to suit engine operating conditions. This cutandcontrol operation is accomplishedE.G. R. control solenoid valve operation. E.G. R. control solenoid valve. Condition. When starting. Below 60 140. Water temperatureE.G.R. system operation. E.G. R. system operates under only the following conditions. B.P.T. valve. Above 60 140. Below 105 221. Exhaust gasOperation. High. Throttle position. E.G.R. controlE.G.R. system. Partially openEngine temperature sensorIgnition switch. P.R. controlEngine speed.