

Chapter 1 : Pontiac Workshop Manuals

Safety Warnings and Symbols There are a number of safety cautions in this book. We use a box and the word CAUTION to tell about things that could hurt you if you were to ignore the warning.

Author McCord provides a thorough process for trouble shooting problems, tracing a problem to its root, explaining why DTCs may not lead to the This product is made of high-quality materials to serve you for years to come. Designed using state-of-the-art technology and with customers in mind. It will meet your needs and Regardless of which door parts need replacement, sagging hinges, If you are building or racing a full bodied drag car, this book shows youhow to maximize chassis performance. Written by industry expert DaveMorgan, it contains a wealth of Narrated by Adrian Pendegrass, this video explains in detail how to set up a differential using our Part POW pinion depth setter. It will meet your needs and deliver This book is an excellent instruction manual and guide for every body man or student. It provides authoritative reference for techniques and methods for all phases of body and fender work. The car opening instructional DVD is great for both novices and professionals. It features multiple camera angles because seeing is learning. The Access Tools Car Opening Manual contains over pages of step-by-step directions, pictures, and a diagram for virtually every vehicle since Art Evans was a sports car racer in the s on the West Coast who raced against, and became close friends with, Carroll Shelby. How to Wire Your Car from Scratch. In most forms of racing, cornering speed is the key to winning. On the street, precise and predictable handling is the key to high This informative, fully illustrated All of the information in this valuable companion guide is presented in terms easy to understand. Packed with general tips, Imagine transforming a flat sheet of aluminum alloy into an attractive hood scoop. Or designing and making your own

Chapter 2 : pontiac grand am service repair manual by yu - Issuu

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Remove left sound insulator and disconnect push rod from clutch pedal assembly if equipped. Disconnect control cables, coolant hoses, electrical connectors, vacuum hoses, and fuel lines as necessary. Remove air cleaner assembly. Disconnect air conditioning hose assembly from compressor if equipped. Remove throttle cable and bracket. Remove power steering pump bolts and pump leave hoses connected. Disconnect clutch actuator slave cylinder hydraulic line. Remove exhaust manifold and heat shield. Remove coolant recovery tank leave hoses connected and position aside. Remove engine mount from timing chain end of engine. Raise and support vehicle. Remove right splash shield. Remove engine mount strut and transaxle mount. Separate ball joints from steering knuckles. Put a suitable supporting device under suspension support, crossmember and stabilizer shaft. Remove suspension support and stabilizer shaft. Remove heater outlet hose from radiator outlet pipe. Remove axle shaft from transaxle and intermediate shaft manual transaxle only and position aside. Remove flywheel housing cover. Put a suitable supporting device under engine and transaxle assembly and lower vehicle onto support. Mark threads on engine upper support fixture hooks for installation reference. Remove engine upper support fixture hooks. Raise vehicle slowly from engine and transaxle assembly. Separate engine from transaxle note bolt location for reassembly reference. Assemble engine to transaxle, ensuring bolts are in correct locations. On automatic transaxle models, clean torque converter bolts and bolt holes. Apply sealant to bolts. On all models, position engine and transaxle assembly under engine compartment. Lower vehicle until transaxle mount is aligned. Install transaxle mount bolt. Install engine mount at timing chain end of engine. Install engine mount at transaxle. Remove supporting device from below engine and transaxle assembly. Install suspension support, crossmember and stabilizer shaft assembly. Tighten suspension support rear bolts, center bolts and then front bolts to specification. Install engine mount strut. To complete installation, reverse removal procedure. Evacuate and charge air conditioning system. Fill cooling system and crankcase. On models, remove engine while leaving transmission in vehicle. Disconnect negative battery cable. Drain cooling system and engine oil. Remove fuel rail assembly, air intake duct from air cleaner, ignition coil and module assembly. Unbolt power steering pump and secure aside. Remove air intake duct bracket. Remove cruise control assembly and set aside. Install J engine support fixture. Remove fan belt and engine mount assembly. Raise engine using support fixture, then remove engine mount bracket. Remove front wheels and right splash shield. Remove torque converter bolts and oxygen sensor. Remove generator and starter. Remove exhaust brace bolt and exhaust manifold heat shield. Disconnect exhaust pipe from exhaust manifold. Remove oil pan-to-bellhousing bolts. Install engine hoist, then remove engine while supporting transaxle. Installation To install, reverse removal procedure. Tighten all fasteners to specifications. Fill engine fluids, and bleed cooling system. Never remove intake manifold while engine is hot. Intake manifold is made of composite plastic and can be damaged if removed while engine is hot. Disconnect electrical connectors and vacuum hoses from intake manifold components as necessary. Disconnect air intake tube. Remove throttle cable bracket. Remove generator mount bolt. Remove intake manifold nuts and bolts. Remove intake manifold and gasket. Intake manifold gasket is reusable unless damaged. Numbered side of intake manifold gasket must face intake manifold. Tighten all intake manifold nuts and bolts to specification in sequence. Disconnect oxygen sensor connector. Remove exhaust manifold brace bolt. Remove upper heat shield. Disconnect exhaust pipe flex decoupler from manifold. DO NOT allow flex decoupler to bend more than 3 degrees in any direction, as damage will result. Pull down and back on exhaust pipe to disengage it from manifold. Remove exhaust manifold nuts. Remove exhaust manifold, seals and gaskets. Installation To install, reverse removal procedure using NEW gaskets. Tighten bolts to specification in sequence. If oxygen sensor was removed, coat threads with Anti-Seize Compound before installation. Remove throttle body-to-air cleaner duct. Disconnect heater hose and throttle body hose from water outlet. Remove power brake vacuum hose from throttle body. Disconnect electrical connectors, vacuum hoses, and coolant hoses as necessary. Reinstall generator mount bolt. Remove ignition coil and module assembly connectors. Remove attaching bolts and remove coil

assembly from camshaft housing by pulling it straight up. Disconnect camshaft position sensor connector. Remove power steering pump. Remove fuel line retaining clamp from bracket on top of intake camshaft housing. Remove fuel rail from cylinder head, and leaving fuel lines attached, position on top of master cylinder. Cover injector openings in head and injector nozzles. Turn camshaft housing upside down immediately after removing from vehicle, or valve lifters will fall out and may be damaged. Remove timing chain and sprocket. Remove bolts attaching intake camshaft housing to cylinder head bolts in reverse of tightening sequence. Repeat procedure with exhaust camshaft housing. Disconnect radiator inlet hose from coolant outlet and disconnect coolant temperature sensor connectors. Remove cylinder head bolts in reverse order of tightening sequence.

Chapter 3 : Pontiac Grand Am Service Repair Manual Download

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With 6 Groove Serpentine Pulley. The alternator is one of the parts you want to function properly, otherwise all the comforts given by the This ready-to-install complete strut assembly includes everything needed for strut replacement in an affordable, fully-assembled unit. Centric Axle Packs are engineered to restore original braking performance for street driven cars and light trucks. Each Centric Axle Pack contains pre-selected, application A Replace engine is reverse engineered to eliminate original factory If you are looking for the ultimate in quality and value, then this superior replacement exhaust kit by Walker is what you need. All its components are designed with precision A defective fuel pump can cause a no-start condition or poor engine performance. If replacement is required, your best choice is Spectra Premium. Bring back the factory-like condition of your vehicle with Timken Wheel Hubs. Constructed from premium materials, these wheel hubs guarantee accurate fit and durability. Designed utilizing the latest technology, this product by ACDelco features premium quality and will perform Bosch Iridium Spark Plugs are engineered to deliver both high performance and long life, representing the best of OE spark plug technology. If your O2 sensor is not functioning properly, you are robbing yourself of performance and costing yourself money at the gas pump. The Access Tools Car Opening Manual contains over pages of step-by-step directions, pictures, and a diagram for virtually every vehicle since This manual covers cars, SUVs, and This product is made of high-quality materials to serve you for years to come. Designed using state-of-the-art technology and with customers in mind. It will meet your needs and deliver great quality at Variable rate coil springs maintain proper chassis ride height and smooth ride. Upgrade your vehicle to MOOG coil Manufactured using quality G11H18 metallurgy and designed with a non-directional finish, this rotor provides superior braking power, high This premium product is the best way to go for those Each manifold is developed off of the original parts Spectra Premium Radiator Fan Assemblies are engineered, developed and validated to meet Original Equipment OE requirements, to ensure a durable and quality product Restore like-new, leak-free steering performance! This product features a brand new construction with precision machined and heat treated center-shafts, CV joints, bearings and races. The CV axle shaft by SurTrack is manufactured with Number of Mounting Holes: When your condenser is leaking, restricted, or otherwise damaged, you know you need to get a new one right away. Designed with a drain plug for easy service of the transmission fluid,

Chapter 4 : Pontiac Grand-Am workshop Service Repair Manual

Pontiac Grand Am for factory, Chilton & Haynes service repair manuals. Pontiac Grand Am repair manual PDF.

Disconnect the battery with a wrench. Locate the fuel pressure test port at the beginning of the fuel rail, where the injectors are mounted. This test port looks like the air valve on your Grand Am tires. Remove the cap from the pressure test port and wrap a shop towel around it. Depress the test port valve with a small standard screwdriver and absorb the fuel spray with the shop towel. Then put the cap back on the test port. Removing the Fuel Filter Raise the rear of your Grand Am with a floor jack and support it on jack stands. Put on your goggles, crawl under the vehicle and locate the fuel filter in front of the fuel tank, below and around the center of the trunk area. Wrap a shop towel around the fitting of the inlet fuel line at the filter. This is the line coming from the fuel tank. Disconnect the inlet fuel line from the filter by squeezing the plastic tabs at the fitting at the same time that you pull the line off the filter nipple. Use the shop towel to absorb any residual fuel in the line. Hold the fuel filter hex nut at the top of the filter with a back-up wrench. This nut, molded into the body of the filter, connects with the retaining nut of the outlet fuel line that goes to the engine. Unscrew the retaining nut of the outlet fuel line using a flare wrench. Discard the O-ring from the outlet line fitting. Loosen the fuel filter clamp at the bracket using a ratchet, ratchet extension and socket and slide the fuel filter out of the mounting bracket and remove it from the vehicle. Installing the New Fuel Filter Slide the new fuel filter in its mounting bracket and tighten the clamp bolt using the ratchet, ratchet extension and socket. Apply a light coat of new engine oil to the new O-ring and install the O-ring in the outlet line fitting. Hand tighten the outlet line fitting to the filter hex nut. Then steady the filter hex nut with the back-up wrench and tighten the line fitting with the flare wrench. Connect the inlet fuel line by pushing the line fitting against the plastic retainer on the filter nipple. Pull the light slightly to make sure the line fitting has engaged the filter and locked in place. Lower your Grand Am using the floor jack. Connect the battery using the wrench. Turn the ignition key to the "On" position to pressurize the fuel system and check for leaks at the filter. Turn off the ignition.

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