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Clutch Control & Gears Explained *How to Rebuild and Modify High-Performance Manual Transmissions* **How to Drive a Stick Shift - Manual Car in 5 Easy Routines Including Pictures** How To Rebuild and Modify Your Manual Transmission **Development of Correlation Model for Manual Shift Transmission Efficiency Through Experimental Analysis** *Visual Performance Feedback System for a Gear Shift in a Manual Transmission Vehicle* **Automotive Power Transmission Systems** Automatic Control of a Manual Shift Transmission **How to Drive a Stick Shift: Full Tutorial for Controlling Your Car in Every Situation** Gear-Shift Strategy for a Clutchless Automated Manual Transmission in Battery Electric Vehicles **Automobile Manual-shift Transmissions Notebook Planner Gear Shift Knob 1 2 3 4 County Prison Manual Transmission** Aston Martin Design of a Two-speed Transmission for a Manual Wheelchair Composition Notebook **Manual Transmission Clutch Systems** *Automated Manual Transmission Shift Sequence Controller* Synchronizer and Shift System Optimization for Improved Manual Transmission Shiftability **Direct and General Support Maintenance Manual** Comparison Manual and CVT Transmission for a Car Under 1 Liter Engine **Lined Notebook Journal Real Cars Don T Shift Themselves Manual Transmission** 6 Speeds Gear Shift Manual Transmission Heartbeat Art Racing *Notebook* Notebook **Safety Driving** *How to Drive Safety For Everyone* Shift Indicator for Manual Transmission Car Automotive Manual Transmissions and Power Trains **Automated Manual Transmission Shift Strategy for Parallel Hybrid Electric Vehicle Modeling and Control of an Automated Manual Transmission for EcoCAR 3 Vehicle Gear Change Selection and Clutch Control of an Automated Manual Transmission Vehicle How to Build and Modify High-Performance Manual Transmissions** Automotive Transmission Technologies Design of a Three-speed Transmission for a Manual Wheelchair *6 Speeds Gear Shift Manual Transmission Heartbeat Development of A Virtual Automated Manual Transmission System* **Composition Notebook Automated Manual Transmission Mode Selection Controller How to Drive a Stick Shift** *Toyota G40, G44, G45, G50, G52, G53, G54, G55, G56 Transmission Repair Manual*

Lined Notebook Journal Real Cars Don T Shift Themselves Manual Transmission Jun 01 2021 Lined Notebook Journal Real Cars Don t Shift Themselves Manual Transmission. This Lined Notebook Journal Real Cars Don t Shift Themselves Manual Transmission can be used as a notebook, journal, diary, or composition book. This Lined Notebook Journal Real Cars Don t Shift Themselves Manual Transmission is perfect for your family, friends, your mother, children, girl, girlfriend, sister, boy . This notebook makes a great gift for any graduation, christmas, birthday, thanksgiving, anniversary.

How to Drive a Stick Shift: Full Tutorial for Controlling Your Car in Every Situation Jun 13 2022 Some people call it learning how to drive stick or how to drive a manual. Whatever you call it, both are the same. Many drivers never learn how to drive a car with a manual transmission, or stick shift. The ability to drive a stick shift will allow you to drive any type of vehicle regardless of it is automatic or manual. You've heard that a driving stick gives you more control of your car in every situation, from a passing maneuver to descending a snowy hill. You've heard driving a stick shift car is more economical at the gas pump. You've heard it's more fun. But you've also heard it's hard to learn. There are gearshifts to master, your engine can stall, your car can roll backward on a hill, and understanding the

clutch is a nightmare. So, what if I told you using a clutch is no more difficult than using a faucet, or that your car's handbrake is a lot more than just a 'parking brake', or that I can teach you - in one sentence - how to avoid ever stalling your engine? I've already taught thousands of people how to drive stick - men and women of all ages - normal people, not engineering students or race car engineers. And I can teach you.

Automotive Power Transmission Systems Aug 15 2022 Provides technical details and developments for all automotive power transmission systems The transmission system of an automotive vehicle is the key to the dynamic performance, drivability and comfort, and fuel economy. Modern advanced transmission systems are the combination of mechanical, electrical and electronic subsystems. The development of transmission products requires the synergy of multi-disciplinary expertise in mechanical engineering, electrical engineering, and electronic and software engineering. Automotive Power Transmission Systems comprehensively covers various types of power transmission systems of ground vehicles, including conventional automobiles driven by internal combustion engines, and electric and hybrid vehicles. The book covers the technical aspects of design, analysis and control for manual transmissions, automatic transmission, CVTs, dual clutch transmissions, electric drives, and hybrid power systems. It not only presents the technical details of key transmission components, but also covers the system integration for dynamic analysis and control. Key features: Covers conventional automobiles as well as electric and hybrid vehicles. Covers aspects of design, analysis and control. Includes the most recent developments in the field of automotive power transmission systems. The book is essential reading for researchers and practitioners in automotive, mechanical and electrical engineering.

Gear-Shift Strategy for a Clutchless Automated Manual Transmission in Battery Electric Vehicles May 12 2022

Composition Notebook Jan 16 2020 This 6 Speeds Gear Shift Manual Transmission Heartbeat 120 Wide Lined Pages - 6" x 9" - College Ruled Journal Book, Planner, Diary for Women, Men, Teens, and Children, Diary for Women, Men, Teens, and Children has 120 Wide Lined pages that provides enough room to write down your whole life journey. A journal is a great way to cultivate a better you. This is a self exploration journal that will help you set and reach your goals, set a plan of action to achieve those goals. There are many critical metrics in becoming the best you. We all say that we'll do our best, but going through the process of writing down your goals and tracking your performance has a major impact on you actually achieving your goals. Grab a copy for yourself (and for a friend) and get started today. A great gift idea for women, mom, girls, husband, boys, men, dad, kidsfriendwife, teens, on Birthday, Anniversary, Easter, Thanksgiving, Father's Day, Graduation, Valentine's Day, Christmas, Halloween, Mothers' Day, or Wedding Anniversary.

How to Drive Safety For Everyone Dec 27 2020 Although manual gearboxes are commonplace, automatic gearboxes are increasingly popular - and the art of driving a stick shift (as the Americans would say) might be in danger of dying out. If you have never drivien a manual and want to know the basics read through our easy guide and find out how to do it. If you want to find out how to drive a manual - check out our guide on how to drive an automatic car in this book!

How to Drive a Stick Shift Nov 13 2019 A complete step-by-step guide that will teach you everything you need to know. In 2018 I created a company called Shift Bay Area. My goal was to provide a fun and educational experience for people wanting to learn how to properly drive a manual transmission car, and since then we’ve successfully instructed thousands of students and have grown to become Northern California’s preferred stick shift driving school. Based on customer demand we decided to take our most popular behind-the-wheel stick shift driving lesson and expanded it into an eBook with over 150 illustrations to aid the written content. This eBook will cover high-level conceptual topics, 1st gear and clutch control, reverse gear, how to upshift to 2nd gear, proper upshifting and downshifting techniques in the higher gears, and we’ll finish with hill

control, where we'll learn about parking on hills and how to start from inclines. At the end of this eBook you'll have a complete overview of what's necessary to safely and properly operate a manual transmission car, and we'll build your confidence so that you can use the skills you learn in the real world. Happy Driving, Dennis Chernyukhin Author

How to Build and Modify High-Performance Manual Transmissions Jun 20 2020 How to Build and Modify High Performance Manual Transmissions, by author Paul Cangialosi, is a complete guide to all transmissions manual, including theory and design, disassembly, inspection, rebuilding, tips and techniques, and performance modifications. Borg Warner T-10s. ST-10s and T-5s are covered, as well as Ford Top Loaders, Chrysler A833s, and GM Muncies. Peripheral systems are covered as well, including clutches, speedometers assemblies, as well as shifters and shifter modifications. Also included are tables, speedometer ratios for GM cars, torque specs, oil capacities, and ratio charts of all the popular transmissions. If you have any plan for rebuilding or improving your manual transmission, this is the book for you!

Automotive Transmission Technologies May 20 2020 Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online. Pages: 123. Chapters: Clutch, Universal joint, Torque converter, Manual transmission, Dual clutch transmission, Automatic transmission, Continuously variable transmission, Direct-Shift Gearbox, Hybrid Synergy Drive, Differential, Electromagnetic clutch, Electromagnetic brake, Semi-automatic transmission, Limited slip differential, Overdrive, Gear ratio, NuVinci Continuously Variable Planetary Transmission, Global Hybrid Cooperation, Haldex Traction, Epicyclic gearing, Torsen, Fluid coupling, Preselector gearbox, Locking differential, Chain drive, Hydristor, Constant-velocity joint, Non-synchronous transmission, Manumatic, Freewheel, Composite gear housing, Turboglide, Multimode manual transmission, Twin Clutch SST, Variomatic, Gear stick, Hele-Shaw clutch, Powerglide, Torque Vectoring, Transaxle, Multitronic, Corvair Powerglide, Close-ratio transmission, Sequential manual transmission, Borg-Warner 35 transmission, Electrohydraulic manual transmission, Portal axle, Zeroshift, Torque tube, Variable force solenoid, Electronic differential, Justus B. Entz, Hotchkiss drive, Super Select, Crash gearbox, Elastic coupling, Friction drive, Shift knob, Rag joint, Volkswagen 01M transmission, Giubo, Quaife, Starter ring gear, Dog leg gearbox, Parking pawl, Saxomat, Peugeot Hybrid4, Short shifter, Cone clutch, Shift kit, Easytronic, Gear shift, Transmission solenoid, Magnetic particle clutch, Bennual transmission, Rover PG1 transmission, Electrorheological clutch, Hill Start Assist, Cross-drive steering transmission, Inch pedal, Lunchbox locker.

Development of A Virtual Automated Manual Transmission System Feb 15 2020 This research presented as the development virtual model of Automated Manual Transmission (AMT). The model is designed with the consideration of low mass, low price and good quality in Solid Edge ST3. This AMT model is designed as three subsystems, which are Dual Clutch, Direct Shift Gearbox, and Differential Gearbox. The AMT system is developed by using MSC ADAM View 2011 software. In which, the AMT model has developed the performance with using simulation. The input parameter applied to AMT model which are kinematic and mechanism. The output analysis carried out as speed increment in different gear speed ratio, shifting period, and wheel turning speed (Left and Right turn).

Automobile Manual-shift Transmissions Apr 11 2022

How to Rebuild and Modify High-Performance Manual Transmissions Jan 20 2023 How to Rebuild and Modify High-Performance Manual Transmissions breaks down the disassembly, inspection, modification/upgrade, and rebuilding process into detailed yet easy-to-follow steps consistent with our other Workbench series books. The latest techniques and insider tips are revealed, so an enthusiast can quickly perform a tear-down, identify worn parts, select the best components, and successfully assemble a high-performance transmission. Transmission expert and designer Paul Cangialosi shares his proven rebuilding methods, insight, and 27 years of knowledge in the transmission industry. He guides you

through the rebuilding process for most major high-performance transmissions, including BorgWarner T10 and super T10, GM/Muncie, Ford Toploader, and Tremec T5. This new edition also contains a complete step-by-step rebuild of the Chrysler A833 transmission.

How To Rebuild and Modify Your Manual Transmission Nov 18 2022 This resource explains how to rebuild and modify transmissions from both rear- and front-wheel-drive cars. It explains the principles behind the workings of all manual transmissions, and helps readers understand what they need to do and know to rebuild their own transmissions. Includes how to determine what parts to replace; how and why to replace certain seals, spacers, springs, forks, and other parts; and where to find (and how to measure) the specifications for each particular transmission.

Synchronizer and Shift System Optimization for Improved Manual Transmission Shiftability Sep 04 2021

Notebook Feb 26 2021 notebook 6x9 inch by Clara Hagenes

6 Speeds Gear Shift Manual Transmission Heartbeat Mar 18 2020 GIFT IDEAS | TIME MANAGEMENT | ORGANIZATION The perfect notebook to keep track of your daily, weekly or monthly tasks, chores and responsibilities in a simple, organized manner. Each page has two columns of 13 standard checkboxes as well as a priority box to highlight your top 8 tasks, paired with a full page dot matrix layout for additional notes and memos. Product Details: * High quality 60lb (90gsm) paper stock * Premium matte-finish cover design * Perfect for all writing mediums * Large format 6.0" x 9.0" (approximately A5) pages

Automotive Manual Transmissions and Power Trains Oct 25 2020

Visual Performance Feedback System for a Gear Shift in a Manual Transmission Vehicle Sep 16 2022 Abstract: The manual transmission (MT) automobile allows for a unique driving experience. The MT is unlike other vehicle transmissions, like an automatic or continuously variable transmission (CVT), in that the driver is in control of the transmission. The reward and appreciation of driving an MT vehicle efficiently and properly comes with the daunting challenge of learning how to properly shift gears. This gear shift skill is required to shift gears up (upshift) and down (downshift) by using the clutch pedal and the shift selector. If the driver does not perform the upshift or downshift operation smoothly (match engine and transmission speed), then the vehicle and occupants experience a noticeable and uncomfortable jolt. Since the engine and transmission are to move at a relational rate of speed, when a driveline jolt occurs there is likely an observable characteristic that may indicate an incorrect shift. This thesis project explores a proof of concept aimed to provide direct visual shift performance feedback to the driver of an MT vehicle by using visual cues (LED lights and an LCD display). The feedback system identifies an upshift or downshift while also identifying a good shift or bad shift. When a bad shift is determined, the device defines the cause of the poor performance. This will provide the driver insight on how to improve the shift and help to identify common issues to improve. The logic of the feedback system is derived from an experiment with an experienced MT driver. Of the total 269 identified shifts, the system correctly identified 150 good and 39 bad shifts with their reason of poor performance. This resulted in an overall accuracy of 70.3%. The implementation of this device will help increase the longevity of the vehicle components by reducing transmission wear or damage while also helping new and current drivers to master the gear shift operation.

Design of a Two-speed Transmission for a Manual Wheelchair Jan 08 2022

Automated Manual Transmission Mode Selection Controller Dec 15 2019 A powertrain system for a hybrid vehicle. The hybrid vehicle includes a heat engine, such as a diesel engine, and an electric machine, which operates as both an electric motor and an alternator, to power the vehicle. The hybrid vehicle also includes a manual-style transmission configured to operate as an automatic transmission from the perspective of the driver. The engine and the electric machine drive an input shaft which in turn drives an output shaft of the transmission. In addition to driving the transmission, the electric machine regulates the speed of the input shaft in order

to synchronize the input shaft during either an upshift or downshift of the transmission by either decreasing or increasing the speed of the input shaft. When decreasing the speed of the input shaft, the electric motor functions as an alternator to produce electrical energy which may be stored by a storage device. Operation of the transmission is controlled by a transmission controller which receives input signals and generates output signals to control shift and clutch motors to effect smooth launch, upshift shifts, and downshifts of the transmission, so that the transmission functions substantially as an automatic transmission from the perspective of the driver, while internally substantially functioning as a manual transmission.

Shift Indicator for Manual Transmission Car Nov 25 2020

Clutch Control & Gears Explained Feb 21 2023 Does the clutch and gear lever confuse you? This book - written by a retired top grade instructor with over 50 years experience - explains the clutch and gears in detail and will solve all your problems - and all for less than half the price of a single driving lesson! New 2020 edition Items covered in detail are: How the clutch works (with diagrams) and how to use it correctly; Moving Off, Stopping and Clutch Control (on all gradients); The gears explained in detail (with diagrams); When, why and how to change gear in all circumstances; Changing from 2nd - 1st Uphill to gain Clutch control at junctions etc; Plus much, much more.

Composition Notebook Dec 07 2021 Are you looking for a fun gift for someone close to you? This is a perfect blank, lined notebook for men, women, and children. Great for taking down notes, reminders, and crafting to-do lists. Also a great creativity gift for decoration or for a notebook for school or office! This notebook is an excellent accessory for your desk at home or at the office. It's the perfect travel size to fit in a laptop bag or backpack. Use it on the go and you will keep all of your notes and reminders in organized in one place. Professionally designed this 6x9 notebook provides the medium for you to detail your thoughts. Buy your notebook today and begin to fill the pre-lined pages with your heart's desire. Your new notebook includes: Fresh white paper 100 pages 6x9 inch format Paper color: White We have even more wonderful titles that you'll enjoy! Be sure to click on the author name for other great notebook ideas.

Direct and General Support Maintenance Manual Aug 03 2021

Notebook Mar 30 2021 notebook 6x9 inch by Clara Hagenes

Design of a Three-speed Transmission for a Manual Wheelchair Apr 18 2020

Development of Correlation Model for Manual Shift Transmission Efficiency Through Experimental Analysis Oct 17 2022

Toyota G40, G44, G45, G50, G52, G53, G54, G55, G56 Transmission Repair Manual Oct 13 2019

Gear Change Selection and Clutch Control of an Automated Manual Transmission Vehicle Jul 22 2020 The aim of this report is to provide a detailed overview of Automated Manual Transmissions (AMT) from its control point of view. An introduction about AMT is given, stating its main advantages in terms of cost and efficiency compared to other transmission types and justifying the context which makes AMT an interesting system for investigation. It is stated as well its importance for the Ford Focus prototype vehicle, where the project will carry the investigation. This leads to the aim and objectives. Then, previous research about AMT is summarized. Starting with the common problems of AMT, some proposed control strategies follow, which aim to solve the discussed problems. As well, AMTs actuator control strategies are presented. All this analysis led to some recommendations which guide the next steps of the project. Continuing with, the vehicle is introduced with major emphasis on the AMT system. It is explained the present components and new drivers that are designed and built, which provide the functionality needed for the AMT. Next, the controller architecture development process is discussed. Starting from the low-level controllers for each of the AMT actuators, it is explained the strategy used to achieve the control of them. It includes an interesting discussion on how to use the sensors present on the actuators to achieve position control without position feedback. Then, it follows the details on how each actuator is integrated in high-level controllers until achieving the

complete control of the AMT successfully. Finally, some conclusions are drawn stating the importance of the feedback sensors for gearbox controllers and the clutch control concerns. Guidance is as well given for further investigation on the AMT system of the prototype vehicle. Keywords: Gearshift, Gearbox Actuators, Gearbox Control, Clutch Control, Shift Shock, Shift Time, Vehicle Start, Simulink, Stateflow, Synchromesh, dSpace.

Notebook Planner Gear Shift Knob 1 2 3 4 County Prison Manual Transmission Mar 10 2022 Notebook Planner Gear Shift Knob 1 2 3 4 County Prison Manual Transmission. This Notebook Planner Gear Shift Knob 1 2 3 4 County Prison Manual Transmission is perfect for high school and college students, professionals and writers. This Notebook Planner Gear Shift Knob 1 2 3 4 County Prison Manual Transmission for your sister, family, friends, girl, girlfriend, your mother, children, boy give this notebook planner as a great present for birthday, thanksgiving, anniversary, christmas, graduation.

6 Speeds Gear Shift Manual Transmission Heartbeat Art Racing Apr 30 2021 6 Speeds Gear Shift Manual Transmission Heartbeat Art Racing/h3> Hey there! If you're looking for an excellent quality simple + functional planner, you're in the right place. View your week at-a-glance with this helpful Weekly Planner. It provides an attractive way for you to accomplish your goals, stay organized and in control of your daily life activities.

Aston Martin Feb 09 2022 The DB 5 was immortalized by James Bond, and Aston Martin's sports cars have been treasured by high-performance fans ever since. Readers will learn about this company's storied history, sports cars, and what aspects make a sports car a super car. The automaker's best-loved models, as well as the growing development of more compact city cars are covered in accessible text. Young gear-heads will love the stat boxes provided for each model.

Manual Transmission Clutch Systems Nov 06 2021 This book serves as a basic clutch design handbook by covering present and future clutch technologies related to passenger cars and light duty trucks. Chapters cover: History of Clutches Introduction to Modern Diaphragm Spring Clutch Basic Diaphragm Clutch Operating Principles Terminology and Definitions Clutch Operating Parameters Clutch Sizing for Manual Transmission System Engagement Quality Torsional Vibration and Tuning Capacity Testing Clutch Troubleshooting Clutch Quality Control Clutch Friction Materials Clutch Rebuilding and Remanufacturing Clutch Actuation Systems.

Automated Manual Transmission Shift Strategy for Parallel Hybrid Electric Vehicle Sep 23 2020

Safety Driving Jan 28 2021 Although manual gearboxes are commonplace, automatic gearboxes are increasingly popular -and the art of driving a stick shift (as the Americans would say) might be in danger of dying out. If you have never drivien a manual and want to know the basics read through our easy guide and find out how to do it. If you want to find out how to drive a manual - check out our guide on how to drive an automatic car in this book!

Automated Manual Transmission Shift Sequence Controller Oct 05 2021 A powertrain system for a hybrid vehicle. The hybrid vehicle includes a heat engine, such as a diesel engine, and an electric machine, which operates as both, an electric motor and an alternator, to power the vehicle. The hybrid vehicle also includes a manual-style transmission configured to operate as an automatic transmission from the perspective of the driver. The engine and the electric machine drive an input shaft which in turn drives an output shaft of the transmission. In addition to driving the transmission, the electric machine regulates the speed of the input shaft in order to synchronize the input shaft during either an upshift or downshift of the transmission by either decreasing or increasing the speed of the input shaft. When decreasing the speed of the input shaft, the electric motor functions as an alternator to produce electrical energy which may be stored by a storage device. Operation of the transmission is controlled by a transmission controller which receives input signals and generates output signals to control shift and clutch motors to effect smooth launch, upshift shifts, and downshifts of the transmission, so that the transmission functions substantially as an automatic transmission from the perspective

of the driver, while internally substantially functioning as a manual transmission.
Automatic Control of a Manual Shift Transmission Jul 14 2022
Modeling and Control of an Automated Manual Transmission for EcoCAR 3 Vehicle Aug 23 2020 EcoCAR 3 is a part of the Advanced Vehicle Technology Competition series hosted by the Department of Energy, and it challenges 16 North American university teams to re-engineer a 2016 Chevrolet Camaro and turn it into a hybrid electric vehicle, thus improving the environmental impact of the car while retaining its performance aspects. The Ohio State University's EcoCAR 3 vehicle has a plug-in hybrid architecture, with operation in series and parallel power flows. The architecture features a 5-speed manual transmission that was automated by the team to retain the efficiency of a manual transmission while providing the convenience of an automatic transmission. The team-developed controllers manage the clutch and shift actuators to provide supervisory control of the automated manual transmission. The simplicity and efficiency of a manual transmission combined with the advantages provided by the hybrid architecture make it a good candidate for an HEV. This thesis provides an overview of the modeling, component testing, and controls development for the AMT system. The controls development includes high level control for vehicle launch, gearshift process, and strategies used in different hybrid vehicle operation modes.
How to Drive a Stick Shift -Manual Car in 5 Easy Routines Including Pictures Dec 19 2022 How to Drive a Stick Shift -Manual Car in 5 Easy Routines Including Pictures, takes you from being an automatic car driver, to being able to drive a manual (stick shift) car.It shows you the comparisons between driving an automatic car, and driving a manual (stick shift) car.It has a straight forward step by step approach comparing automatic and manual, grouped into 5 easy routines with the aid of pictures and diagrams.The contents of the book are:Chapter 1 - Background Information - The ComparisonsChapter 2 - Background Information - The ClutchChapter 3 - Background Information - The GearsChapter 4 - This is Routine 1: Moving offChapter 5 - This is Routine 2: StoppingChapter 6 - This is Routine 3: Changing Up GearsChapter 7 - This is Routine 4: Changing Down GearsChapter 8 - This is Routine 5: Being Ready at Junctions and Hill StartsWe look forward to helping you drive a manual car.
Comparison Manual and CVT Transmission for a Car Under 1 Liter Engine Jul 02 2021 This thesis presented about comparison manual and CVT transmission. This thesis deals with analysis on performance of transmission for a car under 1 liter engine. The objective of this thesis is to compare the performance of transmission between manual transmission and CVT transmission. Besides that, the purpose of this thesis is to analyze the performance of the Manual Transmission and the CVT Transmission for a car under 1 liter engine. This thesis also purposes to study the suitability using CVT for a car under 1 liter engine. Manual transmission and CVT transmission have their own advantages and one of that is better in their performance. In performance, there are many category that compared consist of power available, tractive force, fuel consumption and many more. The data used for the analysis is obtained through calculation using specification data that has got from brochure which is downloaded from Toyota's official web because this model only market at Europe. This model fulfilled this project because it had two types of transmission which is CVT transmission and Manual Transmission. The post-processing method was performed using manual calculation with certain engineering formula and graph is plotted by using assistance software such as Microsoft Excel. The post-processing method to analyze the performance of transmission was performed using the SAE definition. From the results, it is observed that the performance of CVT is better than manual transmission. It is also observed that Manual Transmission is better than CVT in term of fuel consumption for a car under 1 liter engine. Besides that, CVT are suitable to use for a car under 1 liter engine because it gives more power and ride comfort ability. Future work, this comparison between manual transmission and CVT must do in experimental or simulation since CVT technology just begun

to blossom to Malaysia. There are many factors that required to do research by experimental especially in transmission's performance and driveability.