

## TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Manual transmission unit assembly x Engine Bolt A	72	730	53
Manual transmission unit assembly x Engine Bolt B and C	37	379	27
Engine mount insulator near No. 1 x Manual transmission unit assembly	65	663	48
Frame crossmember No. 3 x Engine mount insulator near No. 1	19	189	14
Frame crossmember No. 3 x Frame	40	408	30
Starter assembly x Manual transmission unit assembly	37	377	27
Clutch release cylinder assembly x Manual transmission unit assembly	12	122	9
Manifold stay x Manual transmission unit assembly Bolt A	72	730	53
Manifold stay x Manual transmission unit assembly Bolt B	44	449	33
Manifold stay x Exhaust manifold	30	306	22
Exhaust pipe assembly front x Exhaust manifold	43	438	32
Exhaust pipe assembly front x Exhaust tail pipe	48	489	35
Propeller shaft x Rear differential	68	699	65
Propeller shaft center bearing x Frame	36	369	27
Propeller shaft assembly front x Front differential	68	699	65
Engine under cover sub-assembly No. 2 x Frame	30	306	22
Manual transmission unit assembly x Transfer	24	240	17
Manual transmission filler plug x Manual transmission case	37	380	27
Manual transmission drain plug x Manual transmission case	37	380	27
Release fork support x Clutch housing	47	480	35
Clutch housing x Manual transmission case	36	370	27
Back up light switch x Manual transmission case	44	450	32
Reverse restrict pin assembly x Transfer adaptor	37	380	27
Floor shift control shift lever retainer x Transfer adaptor	18	185	13
Shift lever housing x Shift and select lever shaft	33	340	25
Manual transmission case x Transfer adaptor	37	380	27
Reverse restrict pin plug x Transfer adaptor	18.5	189	14
Front bearing retainer x Manual transmission case	46.5	468	32
Shift detent ball spring seat x Intermediate plate	18.5	189	14
Shift fork set bolt x Shift fork shaft	195	199	14
Reverse shift arm bracket x Intermediate plate	18	185	13
Output shaft rear bearing retainer x Intermediate plate	18	185	13

SS

# Toyota 4y Engine Torque Specs

**Michael Burgan**



# Toyota 4y Engine Torque Specs

**Toyota Repair Manual for Emission Control** Toyota Jidōsha Kabushiki Kaisha. Overseas Service Division,1989

**Toyota 1Y, 1Y-C, 2Y, 2Y-C ... 4Y-E Engine Repair Manual**,1989 *Toyota 1Y, 1Y-C, 2Y, 2Y-C, 2Y-C(U), 3Y, 3Y-C, 3Y-C(U), 4Y, 4Y-C, 4Y-E Engine Repair Manual*,1987 This repair manual has been prepared to provide information covering general service repairs for the 1Y 1Y C 2Y 2Y C 2Y C U 3Y 3Y C 3Y C U 4Y 4Y C and 4Y E engines equipped on the Toyota Cressida Crown Liteace Model F Tarago Hilux Hiace Dyna Dyna 100 and Dyna 150 Applicable models YX70 series YS120 series YM30 31 35 40 41 series YR21 22 31 series YN50 52 55 56 57 60 62 63 65 67 series YH50 51 60 61 71 series YU60 61 70 80 series YH80 81 series YY51 60 61 series Foreword

**Vehicular Engine Design** Kevin Hoag,2007-02-05 The mechanical engineering curriculum in most universities includes at least one elective course on the subject of reciprocating piston engines The majority of these courses today emphasize the application of thermodynamics to engine efficiency performance combustion and emissions There are several very good textbooks that support education in these aspects of engine development However in most companies engaged in engine development there are far more engineers working in the areas of design and mechanical development University studies should include opportunities that prepare engineers desiring to work in these aspects of engine development as well My colleagues and I have undertaken the development of a series of graduate courses in engine design and mechanical development In doing so it becomes quickly apparent that no suitable text book exists in support of such courses This book was written in the hopes of beginning to address the need for an engineering based introductory text in engine design and mechanical development It is of necessity an overview Its focus is limited to reciprocating piston internal combustion engines both diesel and spark ignition engines Emphasis is specifically on automobile engines although much of the discussion applies to larger and smaller engines as well A further intent of this book is to provide a concise reference volume on engine design and mechanical development processes for engineers serving the engine industry It is intended to provide basic information and most of the chapters include recent references to guide more in depth study

**The Origin of Competitive Strength** Akira Kawahara,2012-12-06 When the war ended on August 15 1945 I was a naval engineering cadet at the Kure Navy Yard near Hiroshima Japan A week later I was demobilized and returned to my home in Tokyo fortunate not to find it ravaged by firebombing At the beginning of September a large contingent of the American occupation forces led by General Douglas MacArthur moved its base from Yokohama to Tokyo Near my home I watched a procession of American military motor vehicles snaking along Highway 1 This truly awe inspiring cavalcade included jeeps two and a half ton trucks and enormous trailers mounted with tanks and artillery At the time I was a 21 year old student in the Machinery Section of Engineering at the Tokyo Imperial University Watching that magnificent parade of military vehicles I was more than impressed by the gap in industrial strength between Japan and the U S That

realization led me to devote my whole life to the development of the Japanese auto industry I wrote a small article concerning this incident in Nikkei Sangyo Shimbun one of the leading business newspapers in Japan on May 2 1983 The English translation of this story was carried in the July 3 1983 edition of the Topeka Capital Journal and the September 13 1983 issue of the Asian Wall Street Journal The Topeka Capital Journal headline read MacArthur s Jeeps Were the Toyota Catalyst

**The Toyota Land Cruiser** Michael Burgan,1999 Describes the history production and different models of the Toyota Land Cruiser a sport utility vehicle originally created to allow police and military to travel off paved roads **The Classic Saab 900** Richard Horner,2016-07-15 The full story and complete reference guide for the iconic Saab 900 **Bosch Automotive Electrics and Automotive Electronics** Robert Bosch GmbH,2013-09-24 This is a complete reference guide to automotive electrics and electronics This new edition of the definitive reference for automotive engineers compiled by one of the world s largest automotive equipment suppliers includes new and updated material As in previous editions different topics are covered in a concise but descriptive way backed up by diagrams graphs photographs and tables enabling the reader to better comprehend the subject This fifth edition revises the classical topics of the vehicle electrical systems such as system architecture control components and sensors There is now greater detail on electronics and their application in the motor vehicle including electrical energy management EEM and discusses the topic of inter system networking within the vehicle It also includes a description of the concept of hybrid drive a topic that is particularly current due to its ability to reduce fuel consumption and therefore CO2 emissions This book will benefit automotive engineers and design engineers automotive technicians in training and mechanics and technicians in garages It may also be of interest to teachers lecturers and students at vocational colleges and enthusiasts **The Complete Guide to Chain** ,1997 **Build Your Own Electric Vehicle, Third Edition** Seth Leitman,Bob Brant,2013-02-08 BUILD CONVERT OR BUY A STATE OF THE ART ELECTRIC VEHICLE Thoroughly revised and expanded Build Your Own Electric Vehicle Third Edition is your go to guide for converting an internal combustion engine vehicle to electric or building an EV from the ground up You ll also find out about the wide variety of EVs available for purchase and how they re being built This new edition details all the latest breakthroughs including AC propulsion and regenerative braking systems intelligent controllers batteries and charging technologies Filled with updated photos this cutting edge resource fully describes each component motor battery controller charger and chassis and provides illustrated step by step instructions on how to assemble all the parts Exclusive web content features current supplier and dealer lists Custom built for environmentalists engineers students hobbyists and mechanics this hands on guide puts you in the fast lane toward a cost effective reliable green machine Build Your Own Electric Vehicle Third Edition covers Environmental impact and energy savings The best EV for you purchase trade offs conversion trade offs and conversion costs Chassis and design Different types of electric motors and controllers Lithium EV batteries Chargers and electrical systems EV builds and conversions Licensing and insuring your EV Driving and maintenance List of manufacturers and dealers

regularly updated on website      **Como Mantener Tu Volkswagen Vivo** John Muir,1980-10-01      **Strategic Management** ,2004 In a business world characterised by change turbulence and corporate scandals strategy is more crucial today than ever before Far too often top management develops a strategy for the company that is never communicated to or understood by other levels      *Helen of the Old House* D. Appleton and Company,2019-03-13 This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it This work was reproduced from the original artifact and remains as true to the original work as possible Therefore you will see the original copyright references library stamps as most of these works have been housed in our most important libraries around the world and other notations in the work This work is in the public domain in the United States of America and possibly other nations Within the United States you may freely copy and distribute this work as no entity individual or corporate has a copyright on the body of the work As a reproduction of a historical artifact this work may contain missing or blurred pages poor pictures errant marks etc Scholars believe and we concur that this work is important enough to be preserved reproduced and made generally available to the public We appreciate your support of the preservation process and thank you for being an important part of keeping this knowledge alive and relevant      Mitsubishi Magna/Dimante 1991 to 2005 Max Ellery,2008-10-15 Mitsubishi Magna Dimante repair manual with step by step instructions including plenty of photographs plus detailed information on 4 cylinder and V6 Mitsubishi Magna sold in America as Diamante from 1991 to 2005 Four chapters cover 2 4 cylinder and 2 V6 plus more chapters on all transmissions axles suspension brakes body wiring schematics problem solving plus more Tune up Maintenance Repairs Mechanical Bodywork Electrical diagrams Specifications Suitable for DIY enthusiast or the mechanic      *Vehicle-dependent Expedition Guide* Tom Sheppard,1998      **Japanese Car** Marco Ruiz,1986 Follows the growth of the Japanese automobile industry with information on the production of every Japanese manufacturer technical specifications racing car versions the evolution of car design and all experimental prototypes

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