Diab C Compiler Manual

CP LAB 1

SARADA INSTITUTE OF TECNOLOGY & SCIENCE

SARADA NAGAR, RAGHUNADHAPALEM, KHAMMAM

'C' PROGRAMMING & DATA STRUCTURES
LABMANUAL
FOR
I YEAR B.Tech
(Common to All Branches)

Department of
Computer Science & Engineering
&
Information Technology
SARADA INSTITUTE OF TECHNOLOGY & SCIENCE

File Name: Diab C Compiler Manual.pdf
Size: 3395 KB
Type: PDF, ePub, eBook
Category: Book
Uploaded: 19 May 2019, 16:19 PM
Rating: 4.6/5 from 667 votes.

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 Diab C Compiler Manual . To get started finding Diab C Compiler 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:

Diab C Compiler Manual

If in doubt, issue theNo warning or errorThe result is a model which does notThe messageThe generated object code may be susceptible to a known compiler defect. Refer to the OpenECU user guide for further details. Hence those functions can become large enoughRTW generates a different CFor example,This can beIf the compilation is. Which compiler to use is chosenThe default value of num is 8.Compiling with different values of num may orPut small initialized nonconst global and staticThis will not stopThese optionsPlease refer to. Diab CompilerWind River, Tornado, and VxWorks are registered trademarks of Wind River Systems, Inc. The Wind River logo is a trademark of Wind River Systems, Inc. Any thirdpartyFor further informationThis product may include software licensed to Wind River by third parties. RelevantWind River may refer to thirdparty documentation by listing publications or providingWind River accepts noCorporate Headquarters. Wind RiverAlameda, CA 945011153TelephoneFor information on how to contact Customer Support, see. Wind River Diab Compiler. Release NotesContentsWind River Diab Compiler. Release Notes, 5.9.2Wind River Diab CompilerThe Wind River Diab Compiler 5.9.2 is a complete toolkit for embeddedFor information on installing the Wind River Diab Compiler and configuring yourThey are accessible from the following URLUsing mismatchedDiab Compiler can result in unexpected results, e.g., older versions of someIf you choose to install bothSpecial Note Installing on Linux HostsIn order to install the Wind River Diab Compiler on a Linux host, your host systemYour installation will fail if you do not have. Linux distributions provide the libraries in their base install feature set. For someIssues, p.10 for details.Release Notes, 5.9.2. Note that some Linux distributions either do not automount media, or automountTo do so, use the following stepsFor example, aThe latest information on this release can be found in the Wind River Diab.http://superpechat.ru/userfiles/breitling-emergency-instruction-manual-pdf.xml

- **diab c compiler manual, diab c compiler manual pdf, diab c compiler manual download, diab c compiler manual free, diab c compiler manual 2017.**

Compiler area of the Wind River Online Support Web siteNOTE Wind River strongly recommends that you visit the Online Support WebThe Online Support Web site mayFor information on accessing the Wind River Online Support Web site, see. Customer Services, p.15. In addition, a list of known issues and other important information is installed inSupported Processors. For a current list of supported processors for your architecture, use the dctrl utilityARM Unified Assembler Language support. Cortex M4 instructions enabled for MT2 targets. In addition the following floating point support has been added for MT2 targets. Code. DescriptionARMV6MT2, ARMV7MT2, ARMV7AT2, ARMV7RT2 onlyPowerPC. Support has been added for the following processorsThe following processors are now supported as part of TriCore ISA 1.3.1 supportRelease Notes, 5.9.2TC27xAstep16E. TC2Dx16E. TC2Dx16PTC26x16PThe default front end of the TriCore compiler has been changed from ctoa to etoa. The default compilation for this release therefore behaves as if invoked with dccTricore Alignment of long long and double. The alignment of long long and double data types has been changed fromTriCore 32bit Unified Processor Core Embedded Applications Binary Interface EABI. Users Manual v2.3, Feb. 2007. Note that TriCore code compiled with previous releases is not binarycompatibleTriCore SFR Header Files. To simplify the programming of low level software like device drivers and startupTriCore special function registers SFRs. The files can be found in. Square Root Instructions. The compiler generates the efssqrt instructions where appropriate.Static Initialization of Flexible Length Arrays. The Wind River Diab Compiler supports static initialization of flexible arrayCompiler Attributes and Keywords. Instructs the compiler to copy the stack pointer of theColdFire, MCORE, MIPS, PowerPC, SH, SPARC, and TriCore architectures only. For all but the TriCore architecture, it isTriCore it is supported by default.http://www.crammotorsport.com/breitling-for-bentley-manual-pdf.xml

CommandLine Options. The following are new or modified commandline options. For detailedReduce size of function prologue and epilogue.Do not generate debug information toList all functions that have not been inlined andSpecify output file for XdumpmetadataRelease Notes, 5.9.2Specify name pattern for split sections.With the assembler, the ELF header of the output. With the linker, the ELF header of the executableColdfire architecture only. See alsoDisable specific intrinsic functions. See alsoSupport the automaticErrata, p.11.Use legacy aligned attribute implementation. See also 6. Documentation Errata, p.11.For PowerPC only. See alsoAssembler. The intrinsic assembly feature that available for certain architectures is nowThe following TriCore 1.6.x AURIX instructions are now supportedLinker. CLONEoriginalclone. Instructs the linker to make a copy of the section thatALIASreference, definition. Instructs the linker to bind all references to the symbolConfiguration FilesThe ddump m flag generates a metadata report for all provided object files, as theThe ddump Td flag is similar to T, but removes only debug information ELFMultiChannel Sequencer Support. The compiler toolchain supports building code for Multi Channel SequencerEclipse CDT Integration. Wind River provides a Diab compiler plugin for the Eclipse CDT, which isThe plugin allows you to use the Wind River. Diab compiler within the CDT environment, including a graphical interface forSee also Documentation, p.7 and 6. Documentation. Errata, p.11. Documentation. The Wind River Diab Compiler Plugin for Eclipse CDT Getting Started has been addedThe Wind River Diab Compiler User’s Guide and the Wind River Diab Compiler Error. Message Reference have been updated for new features and enhanced for existingNote in particular the following new material in the user’s guide. SDA Optimization in chapter 10. See also 6. Documentation Errata, p.11. Creating a System Image with MultiChannel Sequencer Code in chapter 15.

Rebuilding Libraries in chapter 32. The example for removing unused sections in the Xunusedsections section ofDocumentation is available in PDF and HTML form in theFor a list of problems fixed in the Wind River Diab Compiler, visit the Online. Support Web site see 1.2 Latest Release Information, p.2.For the ARM Thumb architecture, formal testing is performed with the Thumb 2Diab compiler support for the Thumb architecture, contact Customer Support.Release Notes, 5.9.2. COMDAT support to correctly implement the semantics of the language.This section lists the minimum requirements for the Wind River Diab CompilerThe host is the computer on which you do your development work. This sectionThese system requirements are for the Wind River Diab Compiler only; they do notWindows HostMicrosoft Windows XP Professional Service Pack 2 or 3, x8632. Microsoft Windows Vista Business, x8632. Microsoft Windows Vista Enterprise, x8632. Administrator rights. Intel Pentium 4 class computer with a 2 GHz processor, or a computer withInstalling a subsetWhen calculating theA local DVDROM drive or access to a network for installation. A current version of a standardscompliant Web browser.A network interface card for debugging over a network recommended. An active Internet connection is recommended during initial installation toWind River Online Support Web site. See 1.2 Latest Release Information, p.2.Solaris Host. A Blade 150 workstation with a 500 MHz processor, or a workstation withInstalling a subsetWhen calculating theA local DVDROM drive or access to a network for installation. A current version of a standardscompliant Web browser. CDE Window Manager recommended. An active Internet connection is recommended during initial installation toWind River Online Support Web site. See 1.2 Latest Release Information, p.2.. Linux Host. NOTE There are usage caveats associated with installing on Linux Hosts. Refer toCompiler. One of the following. GNOME Window Manager.

http://www.raumboerse-luzern.ch/mieten/bosch-mono-jetronic-manual

Intel Pentium 4 class computer with a 1 GHz processor, or a computer withInstalling a subsetWhen calculating theA local DVDROM drive or access to a network for installation. A network interface card for debugging over a network recommended. A current version of a standardscompliant Web browser.Release Notes, 5.9.2. An active Internet connection is recommended during initial installation toWind River Online Support Web site. See 1.2 Latest Release Information, p.2.NOTE In order to install the Wind River Diab Compiler on a Linux host, yourThe Wind River product. Most Linux distributions provide the libraries in their base feature set; for others, you must installIn order to install and run Wind River products on certain Linux hosts, you mustCompiler. For example. Fedora 9 64Bit Host. Install the 32bit libraries that are required in order to run the installer. Fedora 11 64bit Host. Ubuntu 8.04 64Bit Host. Ubuntu 9.04 64Bit Host. Install the 32bit libraries that are required in order to run the installerThe target is the processor for which you are developing. The Wind River Diab. Compiler is separately licensed for a variety of target architecture families. For aWind River Compiler User's Guide for each architecture family.Wind River Diab Compiler Plugin for Eclipse CDT. The Wind River Diab Compiler Plugin for Eclipse CDT has been tested with the. Eclipse Indigo release. The Wind River Diab Compiler Plugin for Eclipse CDT Getting. Far Relative Addressing and VLE. The following applies to PowerPC code using the VLE Variable Length EncodingPrograms compiled to use far 32bit relative addressing, either for code or dataSee the user's guide section on. ELF Relocation Information for more on absolute SDA. This is not a problem for nonVLE code, where r0 is interpreted as zero; in contrast,Limited Support for RTA Profiling. Only one compiler option for generating RunTime Analysis profiling informationThat option is Xrtc.

https://incentives-sales.com/images/Das-Ds-15-Manual.pdf

Other compiler profiling options,For a complete list of known problems in the Wind River Diab Compiler, visit the. Online Support Web site see 1.2 Latest Release Information, p.2.For a detailed list of documentation errata for the Wind River Diab Compiler, visitRelease Notes, 5.9.2. Wind River Diab Compiler Plugin for Eclipse CDT Getting Started. Wind River Diab Compiler User's Guide SDA Optimization. For 5.9.1, SDA optimization was enabled by default when wholeprogramFor 5.9.2, the introductory paragraph for the SDA Optimization section is incorrect. It includes the following sentences ellipses are used here for abbreviation. SDA optimization takes place as an optional part of wholeprogramIt should instead say. SDA optimization is an optional part of wholeprogram optimization WPO. It is not, however, enabled by default when WPO is enabled. To enable SDA optimization, set bit 0x100 in the Xwholeprogramoptim flag. For example use. SDA optimization can be disabled for particular classes of small data area withNote that the SDA optimization is incompatible with the linktime objectfileWind River Diab Compiler User's Guide CommandLine Options. The following commandline options are missing from the Wind River Diab. Compiler User's Guide.Used with the assembler, the ELF header of the output. With the linker, the ELF header of the executableColdfire architecture only. If the optimizer encounters a loop like thisJapanWind River Online Support. Wind River Customer Services also provides Wind River Online Support, an onlineThis is a basic service to all Wind River. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the prior written permission of Wind River Systems, Inc. Wind River, Tornado, and VxWorks are registered trademarks of Wind River Systems, Inc. Any thirdparty trademarks referenced are the property of their respective owners.

http://atamusavirlik.com/images/Das-Ds-115A-Manual.pdf

For further information regarding Wind River trademarks, please see This product may include software licensed to Wind River by third parties. Wind River accepts no responsibility for the information provided in such thirdparty documentation. NOTE Some combinations of processor, floating point support, object module format, and environment may not be valid. See Release other Enter text string MC68K Target Configuration Options MC68K target configuration options for target processors, object module formats, floating point support, and execution environments. See Release other Enter text string MCS Target Configuration Options MCS target configuration options for target processors, object module formats, floating point support, and execution environments. See Release vxworks60 vxworks60 Interface with VxWorks 6.0 vxworks61 vxworks61 Interface with VxWorks 6.1 vxworks62 vxworks62 Interface with VxWorks 6.2 vxworks63 vxworks63 Interface with VxWorks 6.3 vxworks64 vxworks64 Interface with VxWorks 6.4 vxworks65 vxworks65 Interface with VxWorks 6.5 vxworks66 vxworks66 Interface with VxWorks 6.6 rtp rtp Real Time Process for VxWorks 6.x other other Enter text string vxworks55 vxworks55 Interface with VxWorks 5.5 MIPSIV Target Configuration Options MIPSIV target configuration options for target processors, object module formats, floating point support, and execution environments.See Release vxworks60 vxworks60 Interface with VxWorks 6.0 vxworks61 vxworks61 Interface with VxWorks 6.1 vxworks62 vxworks62 Interface with VxWorks 6.2 vxworks63 vxworks63 Interface with VxWorks 36 Wind River Diab Compiler Options Reference, Code Description vxworks64 vxworks64 Interface with VxWorks 6.4 vxworks65 vxworks65 Interface with VxWorks 6.5 vxworks66 vxworks66 Interface with VxWorks 6.6 rtp rtp Real Time Process for VxWorks 6.

x other other Enter text string Pentium Target Configuration Options Pentium target configuration options for target processors, object module formats, floating point support, and execution environments. See Release vxworks60 vxworks60 Interface with VxWorks 6.0 vxworks61 vxworks61 Interface with VxWorks 6.1 vxworks62 vxworks62 Interface with VxWorks 6.2 vxworks63 vxworks63 Interface with VxWorks 6.3 vxworks64 vxworks64 Interface with VxWorks 6.4 vxworks65 vxworks65 Interface with VxWorks 6.5 vxworks66 vxworks66 Interface with VxWorks 6.6 rtp rtp Real Time Process for VxWorks 6.x other other Enter text string vxworks55 vxworks55 Interface with VxWorks 47 1 and Configurations PowerPC Compressed Target Configuration Options PowerPC Compressed Target Configuration Options PowerPC Compressed target configuration options for target processors, object module formats, floating point support, and execution environments.The basic options in Driver Options on page 60 and Compiler CommandLine Options on page 72 are one or twocharacter commands that control general operation of the driver programs and the compiler. The X options in Compiler X Options Overview on page 94 and other sections provide additional control over specific aspects of compilation. Many of these options are specific to a particular processor architecture. Read commandline options from file or variable. Read commandline options from either a file or an environment variable. When is encountered on the command line, the driver first looks for an environment variable with the given name and substitutes its value. If an environment variable is not found then the driver tries to open a file with given name and substitutes the contents of the file. If neither an environment variable or a file can be found, an error message is issued and the driver terminates. Same as also prints all commandline options on standard output. 60 61 2 Driver Options Redirect standard error to file.

Redirect any error output to the given file.Redirect standard output to file. Redirect standard output to the given file.The default file extension is.o. See o on page 80 to use a different extension. E Stop after preprocessor, write source to standard output. E Run only the preprocessor on the named files and send the output to the standard output. All preprocessor directives are removed except for linenumber directives used by the compiler to generate linenumber information. To suppress linenumber information, use Xpreprocessorlinenooff. The source files do not require any particular suffix. When E is invoked, the preprocessor implicitly includes the lpragma.h file. To suppress inclusion of lpragma.h, use Xcliboptimoff. For more on lpragma.h, see Xcliboptimoff on page 159. See also P on page 62. P Stop after preprocessor, produce source file. P Stop after the preprocessor step and produce a source file. The default file extension is.i. See o on page 80 to use a different extension. Unlike with the option E on page 62, the output will not contain any preprocessing directives, and the output is written to a file instead of standard out. See o on page 80 to use a different extension. When this option is used, the compiler driver does not invoke the assembler or linker. Thus, any switches intended for the assembler or linker must be given separately on command lines which invoke them. The P option also disables i. 62 63 2 Driver Options S When P is invoked, the preprocessor implicitly includes the lpragma.h file. To suppress inclusion of lpragma.h, use Xcliboptimoff. For more on lpragma.h, see Xcliboptimoff on page S Stop after compilation, produce assembly file. S Stop after the compilation step and produce an assembly source code file with the default file extension.s unless modified by o. See also Xshowconfiguration on page v Run driver in verbose mode. v Run the main driver program in verbose mode, printing a message as each subprogram is started.

V Display current driver version number. V 63 64 Wind River Diab Compiler Options Reference, Display the current version number of the driver. See also VV on page 64. VV Display current program version numbers. VV Display the current version number of the driver and the version number of all subprograms. Do not complete the compilation. Any option which is not recognized by the driver or compiler is automatically passed to the linker. Wl may be used to pass options to thirdparty linkers in cases where such an option resembles a driver or compiler option. See Xforeignasld on page 113. The preprocessor is incorporated in the compiler, so this becomes a synonym for 0. The compiler implied by the extension of the source file. The assembler. See W a,was on page 64.See W l, Wld on page 64. The object converter. Usually not implemented. If given, it will execute after the linker. Other filter programs; usually not implemented. W1 and W2 are only executed if O or XO is given. They process the output from the compiler. W3 and W4 are always executed if given and process the output from the compiler. W5 and W6 process the input to the assembler. Example Was,l or Wa,l 66 67 2 Driver Options W x.ext Pass the option l lower case letter L to the assembler to get an assembler listing file. W x.ext Associate source file extension. W x.ext Associate a source file extension with a tool; that is, indicate to the main driver program dcc or dplus which tool should be invoked for an input file with a particular extension.Allows use of preprocessor directives with assembly language.The configuration file to be used. Pass the string following the Wc exactly as is as an option to the linker. More than one option can be given following Wc, separated by commas. For example, Wclc, lproj would cause the linker to search for missing symbols in libraries libc.a and libproj.a.ld, l L m s The linker l option is the more usual way to specify libraries. See W D on page 83. See W m on page 65.

Specifying W1 with no substitute program name will disable the reorder program. ARM, MIPS, PowerPC, RH850 The llopt assemblylevel optimizer. Specifying W1 with no substitute program will disable llopt. Other filter programs. W1 and W2 execute if O or XO is given and process the output from the compiler. W3 and W4 also process the output from the compiler. W5 and W6 process the input to the assembler. For ARM, MIPS, and PowerPC, W2 invokes the reorder program. For example, entering dcc Xbss returns information about Xbssoff and Xbsscommonoff. 72 73 Ignore predefined macros and assertions. 3 Compiler CommandLine Options A A A Cause the preprocessor to ignore all predefined macros and assertions. A Define assertion. A pred ident1ident2 Cause the assertion predident to be defined. Directives, p.35. balanceddebug Optimize code and balance between size and speed optimization, and enable debugging. balanceddebug 73 74 Wind River Diab Compiler Options Reference, This option macro is replaced by compiler switches that optimize the code, balanced between size and speed, and enable debugging. If no definition is given, the value 1 is used. Macros may be either functionlike macros or objectlike macros. To reduce the level to ignore, use ei1025. NOTE Some messages have a minimum severity level. The severity level of a message may be raised above its minimum but not lowered below it. If either form of Xmismatchwarning is used, mismatched types will only produce a warning, even if e is used to increase the severity level of the diagnostic. See Xmismatchwarning on page g Generate symbolic debugger information. gn The several gn options enable generation of varying levels of debugging information. If optimization options are also present O or XO, optimization will be affected as described. g g0 g1 g2 Same as g2. Do not generate symbolic debugger information. This is the default. No effect on optimization.

Generate symbolic debugger information, but leave out line number information. Generate symbolic debugger information. Do most targetindependent optimizations, but disable optimizations that cannot be properly described using the debugging data format. 76 77 3 Compiler CommandLine Options H g3 See also the Optimization chapter of the Wind River Diab Compiler Users Guide for your architecture. See also Xoptimizeddebugoff on page 105 for how to disable optimizations that interfere with debugging. Generate symbolic debugger information and do most optimizations. Highly optimized code can be difficult to debug. To debug inlined functions you must also add the option Xdebuginlineon on page 100. This option is intended to serve as a lightweight debug option, adding debug information with minimal effect on the generated code. The output depends on the value of X, which may be one of the following Do not output anything. Print the path names of all header files to the standard error output. Print the system header file search paths in the order that they are searched, and the system headers that are in fact included. If X is omitted, the value defaults to 1. I Specify directory for header files. 77 78 Wind River Diab Compiler Options Reference, I dir Add dir to the list of directories to be searched for header files. A full pathname is allowed. More than one I option can be given. If file1 is empty, include file2 before processing any other source file. The i option is disabled by P on page 62. Control search for userdefined header files. That is, do not search the current directory by default; search the current directory only when an option is encountered. Example dcc Iabc Idef file.c will result in a search order of the directory abc the current directory the directory def M Specify pathname of targetspec file. M targetspec NOTE This option is primarily for use by Wind River.

79 80 Wind River Diab Compiler Options Reference, Specify the pathname of the targetspec file to the compiler. This file contains the target description and is read by the compiler at startup. See Xfixvr4133 on page O Optimize code. O Optimize code. Either this or XO must be present to enable optimization and to invoke the reorder program. See XO on page 171 for the difference between these options. o Specify output file. o file 80 81 3 Compiler CommandLine Options sizedebug Output to the given file instead of the default. This option works with the P, S and c options as well as when none of these are specified. When compiling file.ext the following filenames are used by default if the o option is not given P file.i S file.s c file.o not P, S, or c a.out sizedebug Optimize code for size and enable debugging. sizedebug This option macro is replaced by compiler switches that optimize the code for size and enable debugging. The code can be dramatically restructured when compiling for size and may be difficult to debug. Wind River does not recommend debugging with this option unless it is required to make the code fit into available memory. To determine the proper tof, execute dctrl t to interactively display all valid combinations. More than one WD option can be used to set several variables. The effect is as if an assignment statement for each such WD variable had been added to the beginning of the main configuration file. w Suppress all compiler warnings. 83 84 Wind River Diab Compiler Options Reference, w Suppress all compiler warnings. Does not apply to assembler or linker. Y I,dir Specify default header file search path. Y I,dir Use dir as the default directory or directories to search for header files specified with the I option. A full pathname is allowed; also, a colonseparated path list may be supplied for multiple directories. Most X options can be set either by name Xname or by number Xn.

Internally, the name is translated to its number 23 in this case, and then the value is assigned. Option Defaults If an option is not provided, it defaults to a value of 0 unless otherwise stated. If an option which takes a value is provided without one, then the value 1 is used unless otherwise stated. All X options used are given in numeric form near the beginning of the file. These include both options specified by the user and also some options generated by the compiler. Some of the latter may be undocumented and are present for use by Customer Support. X Options Checking and Profiling Refer to the following X checking and profiling options. Xblockcount Insert profiling code. Xblockcount X24 Insert code in the compiled program to keep track of the number of times each basic block the code between labels and branches is executed. See also the Wind River Diab

Compiler Utilities Reference DBCNT Profiling Basic Block Counter, and Xfeedback on page 97. When using Xfeedback on page 97, the compiler divides the basic blocks into three categories code executed frequently, sometimes, and seldom. More of the above optimizations are done for frequent code, while less or none is done for code executed seldom. The higher the thresholds, the more often code must be executed to get into the frequent category. The lowmark and highmark values are normalized on a basis of 1,000 ticks, which means that the options have units of a tenth of a percent. That is, the default values mean that, if exactly 1,000 ticks are recorded, blocks executed fewer than 10 times up to 1% are marked seldom, those executed from 10 to 50 times 1% to 5% are marked sometimes, and those executed 50 or more times 5% of more are marked frequent.

That is, the default values mean that, if exactly 1,000 ticks are recorded, blocks executed fewer than 10 times up to 1% are marked seldom, those executed from 10 to 50 times 1% to 5% are marked sometimes, and those executed 50 or more times 5% of more are marked frequent.The default is dbcnt.out. To use this option Compile a program with Xblockcount. Use Xfeedbackfrequent and Xfeedbackseldom described below to control how the feedback data affects optimization. Specify mask to select specific checks rather than all. Multiple checks can be bitwise OR d. 0x01 0x02 0x08 0x10 0x20 0x40 0x80 Register and check static global variables. Register and check automatic variables. Pointer reference checks. Pointer arithmetic checks. Standard function checks; for example memset and bcopy . Report source code filename and line number in error logs. The RTEC facility only detects errors in code that is compiled with Xrtc. See also Xdebugdwarf1 on page 310, Xdebugdwarf2 on page 310, and Xdebugdwarf2 extensionsoff on page 99. Xdebugdwarf2extensionsoff Suppress vendorspecific extensions. 99 100 Wind River Diab Compiler Options Reference, Xdebugdwarf2extensionsoff Suppress vendorspecific extensions in DWARF 2 and DWARF 3 debug information. See also Xdebugdwarf2 on page 310 and Xdebugdwarf3 on page Xdebuginlineon Generate debug information for inlined functions. Xdebuginlineon Generate debugging information for all inlined functions. Works with DWARF 2 and DWARF 3 only. Can result in very large executables. This option is disabled by default. Xdebuglocalall Emit debug information for unused local variables. Xdebuglocalall X181 Emit debugging information for all local variables, even variables that are never used. This option is disabled by default. 100 101 4 Compiler X Options Xdebuglocalcie Xdebuglocalcie Generate local CIE for each unit. Xdebuglocalcie X176 Generate a local Common Information Entry CIE for each unit.

https://www.thebiketube.com/acros-bosch-motion-sensor-manual