

Page Thum... X



30



31



32

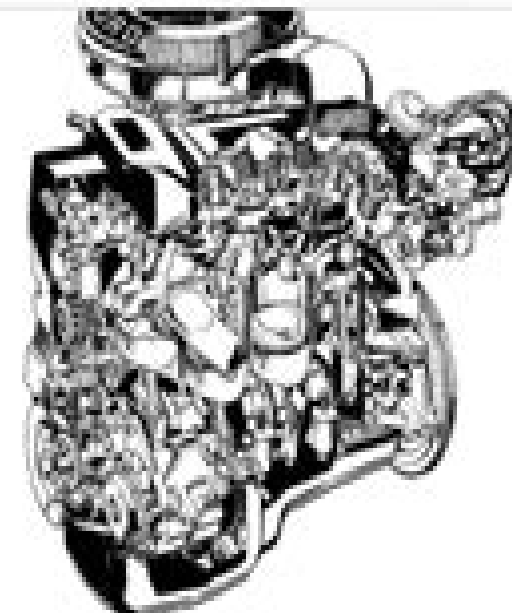
The following work can be carried out without having to remove the engine:

- a) Timing belt - removal
- b) Camshaft oil seal - removal
- c) Camshaft - removal and refitting
- d) Oilpan head - removal and refitting
- e) Camshaft front oil seal - removal
- f) Sump - removal and refitting
- g) Flywheel/belt drive - removal and refitting
- h) Flywheel/belt drive housing - removal and refitting

### 3 Major operations requiring engine removal

The following work can only be carried out after removal of the engine from the car:

- a) Crankshaft main bearings - removal
- b) Crankshaft - removal and refitting
- c) Flywheel - removal and refitting
- d) Crankshaft rear oil seal - removal
- e) Oil pump - removal and refitting



### 1.6 1.6 litre 16V engine

- 1 Intake manifold upper
- 2 Intake housing
- 3 Throttle position sensor
- 4 Ignition coil
- 5 Fan belt
- 6 Air flow sensor
- 7 Timing belt cover
- 8 Crankshaft front oil seal
- 9 Crankshaft main bearing
- 10 Crankshaft pin
- 11 Crankshaft pulley
- 12 Flywheel drive
- 13 Flywheel
- 14 Oil pump
- 15 Oil filter
- 16 Sump (oilpan) gasket
- 17 Sump (oilpan) wing nut



# Escort Service Manual

**LP Steffe**

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the 'LP Steffe' text.

## **Escort Service Manual:**

Getting the books **Escort Service Manual** now is not type of inspiring means. You could not unaided going subsequent to ebook gathering or library or borrowing from your connections to open them. This is an no question simple means to specifically get guide by on-line. This online message Escort Service Manual can be one of the options to accompany you taking into account having new time.

It will not waste your time. how to me, the e-book will extremely make public you new event to read. Just invest tiny get older to admittance this on-line broadcast **Escort Service Manual** as capably as evaluation them wherever you are now.

[https://www.portal.goodeyes.com/book/detail/Documents/Dinamap\\_V400\\_User\\_Manual.pdf](https://www.portal.goodeyes.com/book/detail/Documents/Dinamap_V400_User_Manual.pdf)

## **Table of Contents Escort Service Manual**

1. Understanding the eBook Escort Service Manual
  - The Rise of Digital Reading Escort Service Manual
  - Advantages of eBooks Over Traditional Books
2. Identifying Escort Service Manual
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Escort Service Manual
  - User-Friendly Interface
4. Exploring eBook Recommendations from Escort Service Manual
  - Personalized Recommendations
  - Escort Service Manual User Reviews and Ratings
  - Escort Service Manual and Bestseller Lists
5. Accessing Escort Service Manual Free and Paid eBooks

- Escort Service Manual Public Domain eBooks
- Escort Service Manual eBook Subscription Services
- Escort Service Manual Budget-Friendly Options
- 6. Navigating Escort Service Manual eBook Formats
  - ePub, PDF, MOBI, and More
  - Escort Service Manual Compatibility with Devices
  - Escort Service Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Escort Service Manual
  - Highlighting and Note-Taking Escort Service Manual
  - Interactive Elements Escort Service Manual
- 8. Staying Engaged with Escort Service Manual
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Escort Service Manual
- 9. Balancing eBooks and Physical Books Escort Service Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Escort Service Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Escort Service Manual
  - Setting Reading Goals Escort Service Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Escort Service Manual
  - Fact-Checking eBook Content of Escort Service Manual
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

### **Escort Service Manual Introduction**

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Escort Service Manual PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers

individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Escort Service Manual PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Escort Service Manual free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

## **FAQs About Escort Service Manual Books**

**What is a Escort Service Manual PDF?** A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Escort Service Manual PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. **How do I edit a Escort Service Manual PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Escort Service Manual PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Escort Service Manual PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing

capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

### **Find Escort Service Manual :**

*dinamap v400 user manual*

dinosaurs without bones dinosaur lives revealed by their trace fossils

**direct tv guide espn**

**discovering jesus elliot blount**

**discovery bugopedia the complete guide to everything insect plus other creepy crawlies**

*disability workbook for social security applicants 8th edition 2012*

**directed reading for content mastery overview electricity chapter 7 worksheet answers**

**directional drilling petroleum engineering development**

directv diagnostic code 71 73

**directions in electromagnetic wave modeling advances in experimental medicine and**

**discover lonely planet lonely planet**

disadvantages of manual transmission

disability management and workplace integration disability management and workplace integration

*dinesh lab manual class 12*

**dino suprsaurier t rex terror legende**

### **Escort Service Manual :**

mercury 75 hp outboard motor sterndrives - Feb 28 2022

web sep 13 2017 read mercury 75 elpto service manual by euniceburgos2216 on issuu and browse thousands of other publications on our platform start here



[mercury 75 elpto service manual by euniceburgos2216 issuu](#) - Nov 27 2021

**mercury 75 operation and maintenance manual pdf** - Aug 17 2023

web view and download mercury 75 operation and maintenance manual online 75 outboard motor pdf manual download also for 125 115 90 100 60

*mercury 75 elpto owners manual by v424 issuu* - Jul 04 2022

web we offer the largest selection of old stock quicksilver original parts and quality discount aftermarket parts by sierra marine mallory marine and cdi electronics lookup

*owner s resources mercury marine* - Jan 10 2023

web i need a 90 efi four strock and a 75 mercury efi four strock latest service manual please can you help 38 hi i am looking for a workshop

**mercury 75 elpto 1993 user s guide instructions manual** - May 02 2022

web 6790323 pdf files and becomes bigger every day just enter the keywords in the search field and find what you are looking for search results include manual name description size

**mercury 75 elpto service manual yunqian info** - Jan 30 2022

web mercury product protection is a factory backed extended coverage plan completely administered and backed by mercury that can give you up to eight years of worry free

**mercury outboard service manuals free download pdf** - May 14 2023

web aug 15 2014 marine manuals and free pdf instructions find the marine product manual you need at manualsonline mercury marine outboard motor 75elpto manual

[mercury parts catalog mercury marine](#) - Oct 27 2021

**find mercury marine 75 hp 3 cylinder outboard motor parts by** - Apr 01 2022

web manuals brands mercury manuals outboard motor 75 mercury 75 manuals manuals and user guides for mercury 75 we have 11 mercury 75 manuals available for free

*mercury 75 twostroke operation maintenance* - Feb 11 2023

web manual start commercial 75 manual start all electric models electric start model 65 jet 75 90 starter draw under load starter draw no load electric start model

**mercury 75 user manual pdf download manualslib** - Jun 15 2023

web summary of contents for mercury 75 page 1 welcome aboard proper care and maintenance is an important part in

keeping your mercury product operating at peak

[manualslib makes it easy to find manuals online](#) - Nov 08 2022

web may 18 2023 1987 1993 mercury mariner 70hp 75hp 80hp 90hp repair manual 1988 1993 mercury mariner 100hp 115hp repair manual 1990 2000 mercury mariner 2 5hp

**mercury mariner outboard 75 hp service repair manual** - Sep 06 2022

web 1997 2003 mercury 75hp 90hp 100hp 115hp 125hp 2 stroke outboard repair manual pdf download now mercury mariner outboards 70hp 75hp 80hp 90hp 100hp

**mercury 75hp service repair manual pdf just give me the** - Jun 03 2022

web mercury 75 hp midrange outboard specifications propshaft horsepower 75 hp 56 kw max rpm w o t 4750 5250 cylinders configuration 3 displacement 84 6 cu in

[mercury 75 elpto service manual by i1816 issuu](#) - Dec 09 2022

web dec 17 2019 mercury mariner outboard 75 hp service repair manual by hmbmsbla issuu read mercury mariner outboard 75 hp service repair manual by hmbmsbla on

**owners manuals mercury marine** - Jul 16 2023

web owners manuals to easily access an owner s manual with consolidated information specific to your mercury engine agree to the terms and fill out the form below to order

*mercury 75 betriebshandbuch wartungshandbuch und* - Apr 13 2023

web view and download mercury 75 twostroke operation maintenance installation manual online 75 twostroke outboard motor pdf manual download also for 90 twostroke 60

*mercury 75 manuals manualslib* - Dec 29 2021

*mercury 75 service manual pdf download* - Sep 18 2023

web view and download mercury 75 service manual online 75 outboard motor pdf manual download also for 75 marathon 75 sea pro 115 125 65 80 jet 90 100

**mercury marine outboard motor 75elpto manual** - Mar 12 2023

web owner s manuals to access a free digital owner s manual with consolidated information specific to your mercury engine please click here to order a printed version of the

**mercury outboard repair manuals** - Aug 05 2022

web installation manual mercury 75 elpto this installation manual provides instructions on how to setup mount and install the product reading the official installation manual

**mercury outboard service manuals free download pdf** - Oct 07 2022

web feb 2 2018 mercury 75 elpto owners manual ppt get instant access for mercury 75 elpto owners manual ppt simply follow the link provided above and you can directly

**machinist exambank** - Jul 06 2023

web 40 questions 10 credits randomized from 553 questions start test section 1 metallurgy and heat treatment ferrous metals non ferrous metals metal specifications and

İş makinaları ve operatörlük sınav soruları - Dec 31 2022

web İş mankineleri ve operatörlük sınav soruları 1 yakıttan elde ettiği ısı enerjisini mekanik enerjiye çeviren aşağıdakilerden hangisidir a dinamo b vites kutusu c diferansiyel

İş makinası operatörlük sınavı soruları ve cevapları - Mar 02 2023

web b motor tam güçle çalıştırılır c araçta devamlı aynı vitesle gidilir d ani duruş ve kalkış yapılmaz cevaplar 1 d 2 b 3 c 4 c 5 b 6 c 7 a 8 d 9 c 10 a 11 b 12 a 13 d 14 c

**studyguide machinist pdf document** - Aug 07 2023

web jun 3 2018 the content for the ip exam is based on the noa red seal website red seal ca machinist practice exam this is not an ip exam this is a

**indian penal code ipc 1860 online practice test mcqmate** - Jan 20 2022

web select test length i e small medium large 1 point for each question no points will be given for skipped questions after submission results will be shown instantly with correct

**machinist ip exam practice pantera adecco com** - Nov 17 2021

web 4 machinist ip exam practice 2022 12 18 continues to attract artists to this day between the late 1800s and 1940 an inspired group of painters were drawn to the new jersey

machinist ip exam practice etherpad arts ac uk - Oct 29 2022

web machinist ip exam practice 3 3 29 31 may 1995 the workshop brought together the world s foremost experts in steel connections research development fabrication and

*machinist ip exam practice stage gapinc com* - Mar 22 2022

web machinist ip exam practice ibm business process manager version 8 0 production topologies interpreting engineering drawings foundations of addiction counseling play

**aitt iti machinist exam preparation with sample paper mock test** - Apr 22 2022

web machinist practice tests for machinist group a iti trades take test 455 questions 243815 attempt 7132 tested discussions exam info workshop calculation and

*red seal machinist exam practice questions exam* - May 04 2023

web machinist exam practice questions available to help you pass the red seal exam get the most complete updated exam package here and pass the exam with confidence

study guide machinist government of newfoundland and labrador - Sep 08 2023

web study guide machinist 2019 11 exam breakdown the machinist ip red seal exam has 135 questions the following table shows a breakdown of the approximate number of

machinist ip exam practice stage gapinc - Jun 24 2022

web level 2 general machinist for the machining and tooling trades is based upon the on the job performance objectives located in the industry approved training standard

**machinist ip exam practice ai classmonitor com** - Dec 19 2021

web 2 machinist ip exam practice 2023 01 14 and history of addiction counseling with chapters written by expert scholars this text covers many topics in depth often ignored

*red seal sample examination questions* - Oct 09 2023

web familiarize yourself with the red seal questions format by testing yourself with sample questions once you will have answered all questions for your trade an overview of your

**machinist ip exam practice cdn writermag com** - Feb 18 2022

web machinist ip exam practice 3 3 bible of the metalworking industries contains major revisions of existing content as well as new material on a variety of topics it is the

*machinist apprenticeship exam preparation jobtestprep* - Feb 01 2023

web machinist apprentice exam preparation interested in a machinist apprenticeship jobtestprep provides practice materials to prepare you for the exam familiarizing

**machinist ip exam practice ai classmonitor com** - Aug 27 2022

web machinist ip exam practice 3 3 and tooling trades is based upon the on the job performance objectives located in the industry approved training standard the

**red seal exam self assessment guide** - Jun 05 2023

web 4 red seal exam self assessment guide machinist breakdown of red seal exam questions and self assessment rate your own understanding and experience with each

**machinist apprentice exam 2023 comprehensive study guide** - Jul 26 2022

web take practice test the us test the us machinist apprenticeship test follows a different format this is a basic skills test and you can expect to be assessed on math expect

[machinist ip exam practice stage gapinc com](#) - May 24 2022

web 2 machinist ip exam practice 2022 09 15 ice cream cone and the point of a star accounting manual for federal credit unions down the shore pub this volume explores

**machinist ip exam practice ceu social** - Nov 29 2022

web machinist ip exam practice a literary masterpiece penned by a renowned author readers set about a transformative journey unlocking the secrets and untapped potential

[machinist red seal self assessment and exam breakdown](#) - Apr 03 2023

web machinist red seal self assessment and exam breakdown self assessment this tool can be used to reflect on your own experience and knowledge in the trade compared

[machinist ip exam practice pivotid uvu edu](#) - Sep 27 2022

web machinist ip exam practice machinist ip exam practice 7 downloaded from pivotid uvu edu on 2021 12 21 by guest take practice exams in the subjects you need to

[ams 2430 shot peening automatic document center inc](#) - Aug 09 2022

web revision t shot peening automatic jan 28 2015 revision s shot peening automatic july 23 2012 revision r shot peening automatic jan 1 2010 revision p shot peening automatic march 1 2009 revision n shot peening automatic june 1 2008

**sae ams2430 shot peening ihs markit standards store** - Apr 17 2023

web sae ams2430 revision u april 2018 shot peening purpose this specification covers the requirements for shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot read more

*sae ams 2430 u 2018 shot peening sai global store* - Feb 15 2023

web jul 25 2018 this specification covers the requirements for shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot general product information show below hide below

**sae ams 2430 2015 shot peening sai global store** - Mar 04 2022

web jan 1 2015 specifies the requirements for shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot general product information show below hide below

*ams2430j shot peening automatic sae international* - Apr 05 2022

web this specification covers the engineering requirements for automatic peening of surfaces of parts by impingement of metallic shot glass beads or ceramic shot to induce residual compressive stress in surface layers of parts thereby increasing fatigue strength and resistance to stress corrosion c

[ams2430u shot peening sae international](#) - Sep 22 2023

web jan 15 2010 this specification covers the requirements for shot peening of surfaces of parts by impingement of media

including metallic glass or ceramic shot ams2430u 2018 04 09 latest  
[sae ams2430u techstreet](#) - Nov 12 2022

web apr 9 2018 this specification covers the requirements for automatic shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot product details published 04 09 2018 number of pages 19 file size 1

**shot peening process controls ensure repeatable results** - Dec 13 2022

web ams 2430 shot peening 2 1 shot peening 3 ams 2431 peening media 2 a new specification is almost ready for publication by the sae entitled computer monitored shot peening it will in all likelihood have the designation ams 2432 over the years these specifications have become increasingly stringent

**ams2430 shot peening automatic sae international** - Oct 23 2023

web jan 15 2010 this specification covers the engineering requirements for automatic peening of surfaces of parts by impingement of metallic shot glass beads or ceramic shot to induce residual compressive stress in surface layers of parts thereby increasing fatigue strength and resistance to stress corrosion c

**ams 2430 shot peening automatic document center inc** - Oct 11 2022

web this specification covers the requirements for automatic shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot to find similar documents by federal supply class code fsc standardization area mffp metal finishes and finishing processes and procedures

**sae ams 2430t 2015 sae ams2430t 2015 shot peening** - Jan 14 2023

web sae ams 2430t 2015 sae ams2430t 2015 shot peening automatic this specification covers the requirements for automatic shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot

*aerospace ams2430 rev u material specification* - Jun 19 2023

web 1 3 related peening processes such as peen forming and straightening peening for prevention of intergranular corrosion and peening to produce a surface texture are beyond the scope of this specification 1 4 shot peening in accordance with ams2432 meets or exceeds the requirements of ams2430

**sae ams2430 r shot peening automatic globalspec** - May 18 2023

web jul 1 2012 sae ams2432 r shot peening computer monitored published by sae on february 1 2013 purpose this specification establishes the requirements for computer monitored shot peening of part surfaces by impingement of media including metallic glass or ceramic shot computer monitored

[ams2430s shot peening automatic sae international](#) - Jun 07 2022

web jan 15 2010 ams2430s this specification covers the requirements for automatic shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot ams2430u

**aerospace shot peening practices and nadcap** - Jul 20 2023

web sae then introduced its version of shot peening process control in 1948 with its release of ams 2430 sae then published two documents to control the process test strip holder and gage 3 and use of test strip for shot peening 4 in 1952

[ams2430 shot peening sae international](#) - May 06 2022

web jul 1 1993 this specification covers the engineering requirements for peening surfaces of parts by impingement of metallic shot glass beads and ceramic shot to induce residual compressive stress in surface layers of parts thereby increasing fatigue strength and resistance to stress corrosion cracking

*sae ams 2430 shot peening 2018 pdf kreisler publications* - Sep 10 2022

web sae ams2430 shot peening covers the requirements for automatic shot peening of surfaces of parts by impingement of media including metallic glass or ceramic shot sae ams2430u

[sae ams 2430 2015 shot peening sai global store](#) - Mar 16 2023

web sae ams 2430 2015 superseded add to watchlist shot peening available format s hardcopy pdf superseded date 15 04 2018 language s english published date 01 01 2015 publisher sae international table of contents abstract general product information standards referenced by this book standards referencing this book

*pdf ams 2430 shot peening cyberlab sutd edu sg* - Jul 08 2022

web ams 2430 shot peening bibliography on the fatigue of materials components and structures apr 05 2021 bibliography on the fatigue of materials components and structures 1838 1950 is a bibliographic guide to references on the fatigue of materials components and structures the materials listed in this bibliography were published

**ams2430n shot peening automatic sae international** - Aug 21 2023

web jun 3 2008 ams2430n this specification covers the engineering requirements for automatic peening of surfaces of parts by impingement of metallic shot glass beads or ceramic shot ams2430u