

air brakes study guide

Air Brakes Study Guide: A Comprehensive Guide to Safe and Efficient Operation

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Keywords: air brakes study guide, air brake system, air brake training, commercial driver's license (CDL), air brake maintenance, air brake troubleshooting, air brake components, air brake regulations, air brake safety, heavy vehicle braking systems

Publisher: National Transportation Safety Institute (NTSI), a leading provider of transportation safety training and educational resources recognized for its high-quality, up-to-date curriculum and commitment to industry best practices. NTSI materials are widely used by commercial driving schools and transportation companies across the nation.

Editor: Mr. David Miller, Certified Master Mechanic (CMM), with over 30 years of experience in heavy-duty vehicle maintenance and repair. Mr. Miller has extensive knowledge of air brake systems and has contributed to numerous publications on the subject.

Summary: This comprehensive air brakes study guide provides a detailed overview of air brake systems used in heavy vehicles. It covers the fundamental principles of compressed air generation, storage, and application to braking mechanisms. The guide explores the various components of an air brake system, their functions, and potential failure points. It emphasizes the critical importance of regular maintenance and inspection for ensuring safe and reliable braking performance. The guide also delves into troubleshooting common air brake problems, regulatory compliance, and safe driving practices related to air brakes. This air brakes study guide serves as a valuable resource for aspiring and current commercial drivers, mechanics, and anyone involved in the safe operation and maintenance of heavy vehicles equipped with air brakes.

1. Introduction to Air Brakes: Understanding the Fundamentals

This air brakes study guide begins by introducing the core principles behind air brake technology. It explains why air brakes are necessary for heavy vehicles, highlighting their superior stopping power compared to hydraulic systems for heavier loads. We will cover the basic physics of braking, the role of friction, and how air pressure is leveraged to generate the necessary braking force. The guide will

detail the key advantages of air brakes, such as their reliability, fail-safe mechanisms, and ability to handle extreme conditions.

2. Components of an Air Brake System: A Detailed Breakdown

This section of the air brakes study guide meticulously outlines each major component within a typical air brake system. This includes:

Air Compressor: Its function, types (single-stage, two-stage), capacity, and maintenance.

Air Reservoirs: Their role in storing compressed air, sizing, and pressure regulation. We'll examine the importance of maintaining proper reservoir pressure.

Air Dryer: The importance of removing moisture and contaminants from compressed air. Different types of dryers will be discussed and maintenance requirements highlighted.

Control Valves: A detailed explanation of service brakes, parking brakes, and emergency brakes. This section also explores the function and operation of pressure gauges, warning devices, and other control mechanisms.

Brake Chambers and Actuators: Different types of brake chambers (S-cam, diaphragm) and their operation will be explained. The role of pushrods and other linkages will also be discussed.

Air Lines and Fittings: Proper installation, maintenance, and leak detection techniques. The dangers of air line leaks and potential consequences will be emphasized.

Parking Brake System: How the spring brake system works, its importance for safety, and how to properly engage and disengage it.

3. Air Brake System Operation: A Step-by-Step Guide

This section of the air brakes study guide walks through the complete operational cycle of an air brake system, from the moment the driver presses the brake pedal to the complete stopping of the vehicle. We will cover:

Brake Pedal Application: The sequence of events that occur when the brake pedal is pressed.

Air Pressure Distribution: How air pressure is routed throughout the system to actuate the brakes on each wheel.

Brake Release: The process of releasing the brakes and the role of various components in this process.

Emergency Braking: Procedures for activating the emergency braking system and understanding the fail-safe mechanisms.

4. Air Brake Maintenance and Inspection: Ensuring Safety

Regular maintenance and inspection are crucial for the safe operation of air brakes. This part of the air brakes study guide covers:

Daily Inspections: A detailed checklist of items to check before each trip, including air pressure, leaks, and brake function.

Regular Maintenance: Recommended schedules for servicing components such as air dryers, compressors, and brake chambers.

Leak Detection Techniques: Methods for identifying and repairing air leaks.

Troubleshooting Common Problems: Identifying and addressing common issues, such as low air

pressure, brake drag, and warning light activation.

5. Air Brake Regulations and Compliance: Staying Legal

This section outlines the legal requirements and regulations related to air brakes, emphasizing the importance of compliance to ensure road safety and avoid penalties. This includes:

Federal Motor Carrier Safety Administration (FMCSA) Regulations: A summary of relevant regulations impacting commercial vehicles equipped with air brakes.

Vehicle Inspection Requirements: The procedures and standards for conducting pre-trip and periodic vehicle inspections.

Driver Responsibilities: The legal obligations of commercial drivers concerning air brake system operation and maintenance.

6. Troubleshooting Air Brake Problems: A Practical Guide

This segment of the air brakes study guide provides a practical approach to diagnosing and resolving common air brake problems. It will feature a troubleshooting flowchart and detailed explanations of common issues and their solutions.

7. Safe Driving Practices with Air Brakes: Mastering the Art of Braking

This section emphasizes safe driving techniques when operating vehicles with air brakes, including:

Proper Braking Techniques: Effective braking strategies for various road conditions and situations.

Anticipatory Driving: The importance of anticipating hazards and adjusting driving accordingly.

Emergency Braking Procedures: Correct procedures for emergency stops and avoiding jackknifing.

8. Advanced Air Brake Systems: Exploring Modern Technologies

This section explores modern advancements in air brake technology, including electronic braking systems (EBS) and anti-lock braking systems (ABS). The guide will explain the benefits and functionalities of these systems.

9. Air Brake System Diagrams and Illustrations: Visual Learning

To enhance understanding, the air brakes study guide includes comprehensive diagrams and illustrations of air brake systems, clarifying the functions and interconnections of different components.

Conclusion: This comprehensive air brakes study guide provides the essential knowledge needed for

safe and efficient operation of vehicles equipped with air brakes. By understanding the principles of operation, maintenance procedures, and regulatory requirements, drivers and mechanics can contribute significantly to improving road safety. Regular review and practical application of the information presented in this guide will help ensure the reliable and safe functioning of air brake systems.

FAQs:

1. What is the minimum air pressure required for safe operation of air brakes? The minimum air pressure varies depending on the vehicle and its specific requirements but typically ranges from 60-100 PSI. Consult your vehicle's owner's manual for precise specifications.
1. How often should I perform a pre-trip inspection of my air brake system? A thorough pre-trip inspection is mandatory before every trip.
1. What are the signs of a failing air compressor? Signs include prolonged compressor run times, unusual noises, low air pressure, and a lack of pressure buildup.
1. How can I identify a leak in my air brake system? Leaks can be identified through visual inspection, listening for hissing sounds, using leak detection fluid, and checking for pressure drops.
1. What is the purpose of an air dryer in an air brake system? The air dryer removes moisture and contaminants from the compressed air to prevent corrosion and ensure proper system functionality.
1. What should I do if my air pressure warning light illuminates? Immediately pull over to a safe location and diagnose the issue. Do not continue driving with a low air pressure warning.
1. How do I properly engage and disengage the parking brake? Consult your vehicle's owner's manual for the correct procedures. Generally, this involves applying the parking brake fully and ensuring it is securely engaged.

1. What are the consequences of driving with faulty air brakes? Driving with faulty air brakes is incredibly dangerous and can lead to accidents, injuries, fatalities, and significant legal penalties.
1. Where can I find additional resources to learn more about air brakes? Additional resources include the FMCSA website, vocational training schools, and professional mechanic resources.

Related Articles:

1. Understanding Air Brake Components: A detailed breakdown of each component and its function.
2. Air Brake Troubleshooting Guide: A step-by-step guide to diagnose and repair common issues.
3. Commercial Driver's License (CDL) Air Brake Endorsement Requirements: A guide to the knowledge and skills needed to obtain the CDL air brake endorsement.
4. Air Brake System Maintenance Schedule: A comprehensive maintenance schedule with recommendations for regular servicing.
5. Air Brake System Safety Regulations: An overview of the relevant regulations and compliance requirements.
6. Safe Driving Practices with Air Brakes: Techniques for safe and efficient driving with air brakes.
7. Advanced Air Brake Technologies: An exploration of modern advancements in air brake technology.
8. Case Studies in Air Brake Failures: Analysis of real-world scenarios highlighting the importance of proper maintenance and safety.
9. Air Brake System Design and Engineering: A deep dive into the principles behind designing and engineering effective air brake systems.

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air brakes study guide: CDL Air Brakes Test Study Book Highway Users Federation for Safety and Mobility, Robert M. Calvin, 1991

air brakes study guide: Our Nation's Highways , 1995

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air brakes study guide: Airplane Flying Handbook, Faa-H-8083-3b (Full Version)

Federal Aviation Administration, 2018-05-12 Airplane Flying Handbook Front Matter Table of Contents Chapter 1: Introduction to Flight Training Chapter 2: Ground Operations Chapter 3: Basic Flight Maneuvers Chapter 4: Maintaining Aircraft Control: Upset Prevention and Recovery Training (PDF) Chapter 5: Takeoffs and Departure Climbs Chapter 6: Ground Reference Maneuvers Chapter 7: Airport Traffic Patterns Chapter 8: Approaches and Landings Chapter 9: Performance Maneuvers Chapter 10: Night Operations Chapter 11: Transition to Complex Airplanes Chapter 12: Transition to Multiengine Airplanes Chapter 13: Transition to Tailwheel Airplanes Chapter 14: Transition to Turbopropeller-Powered Airplanes Chapter 15: Transition to Jet-Powered Airplanes Chapter 16: Transition to Light Sport Airplanes (LSA) Chapter 17: Emergency Procedures Glossary Index

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air brakes study guide: CDL Commercial Driver's License Exam Matt Mosher, 2011 Previous ed. entitled: The best home study guide for the CDL commercial driver license examination.

air brakes study guide: *The Greatest Pre-Trip Inspection* Juanita Mills, Jeffrey W Mills,

2020-07-09 Jeffrey Mills is a 48 year old commercial driver's license coach for the CDL Book Club in Laurel Maryland. He has taught thousands of people though-out the United States of America how to obtain their commercial drivers license. This book is to be a great tool to help you get your CDL, get a great paying job and even becoming the boss of your own trucking company. Over the years, Jeff Mills has come across so many people who stated that they have such a hard time passing the pre-trip inspection for their CDL road test, so, he decided to sit down and break it all down for you in this book. This book gives you the same information and break down that he gives his own members of The CDL Book Club. In order to pass the CDL test you have to get CDL Minded! This book is broken down into just a few sections to keep the training simplistic. Even though the book is a proven guide to success, he encourages all who use this book to obtain their CDL to write out this pre-trip inspection so the information is embedded in the brain.

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air brakes study guide: The Elephant in the Room Tommy Tomlinson, 2020-01-14 ONE OF NPR'S BEST BOOKS OF 2019 A "warm and funny and honest...genuinely unputdownable" (Curtis Sittenfeld) memoir chronicling what it's like to live in today's world as a fat man, from acclaimed journalist Tommy Tomlinson, who, as he neared the age of fifty, weighed 460 pounds and decided he had to change his life. When he was almost fifty years old, Tommy Tomlinson weighed an astonishing—and dangerous—460 pounds, at risk for heart disease, diabetes, and stroke, unable to climb a flight of stairs without having to catch his breath, or travel on an airplane without buying two seats. Raised in a family that loved food, he had been aware of the problem for years, seeing doctors and trying diets from the time he was a preteen. But nothing worked, and every time he tried to make a change, it didn't go the way he planned—in fact, he wasn't sure that he really wanted to change. In *The Elephant in the Room*, Tomlinson chronicles his lifelong battle with weight in a voice that combines the urgency of Roxane Gay's *Hunger* with the intimacy of Rick Bragg's *All Over but the Shoutin'*. He also hits the road to meet other members of the plus-sized tribe in an

attempt to understand how, as a nation, we got to this point. From buying a Fitbit and setting exercise goals to contemplating the Heart Attack Grill in Las Vegas, America's "capital of food porn," and modifying his own diet, Tomlinson brings us along on a candid and sometimes brutal look at the everyday experience of being constantly aware of your size. Over the course of the book, he confronts these issues head-on and chronicles the practical steps he has to take to lose weight by the end. "What could have been a wallow in memoir self-pity is raised to art by Tomlinson's wit and prose" (Rolling Stone). Affecting and searingly honest, *The Elephant in the Room* is an "inspirational" (The New York Times) memoir that will resonate with anyone who has grappled with addiction, shame, or self-consciousness. "Add this to your reading list ASAP" (Charlotte Magazine).

air brakes study guide: Sakamoto Days, Vol. 1 Yuto Suzuki, 2022-04-05 Time has passed peacefully for Sakamoto since he left the underworld. He's running a neighborhood store with his lovely wife and child and has gotten a bit...out of shape. But one day a figure from his past pays him a visit with an offer he can't refuse: return to the assassin world or die! -- VIZ Media

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air brakes study guide: Wisconsin Commercial Driver's Manual: School bus and hazardous materials, 1995-12

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air brakes study guide: CDL Study Guide: Complete CDL Practice Test Study Guide CDL Digest, This CDL Practice Test Study Guide combines all 8 of our individual CDL Practice Test Study Guides into 1 complete written exam practice test study guide that covers: General Knowledge, Air Brakes, Combination Vehicles, Double/Triple Trailers, Hazmat, Tank Vehicle, Passenger, and School Bus.

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complex traffic regulations, this manual leaves no stone unturned. Inside the pages you'll find: - In-depth coverage of all CDL exam sections, ensuring a comprehensive understanding of each topic. - Clear and concise explanations of road safety protocols, transportation regulations, and vehicle maintenance practices. - Practice questions and quizzes designed to reinforce your knowledge and assess your readiness for the exam. - Insider tips and strategies from experienced commercial drivers to boost your confidence and performance on test day. - A user-friendly format that makes complex concepts easy to grasp, catering to both novice and experienced drivers alike. Whether you're pursuing a career in long-haul trucking, passenger transportation, or another commercial driving endeavor, this guide is your key to success. Empower yourself with the knowledge and skills required to navigate the road safely and pass the CDL exam with flying colors. The CDL STUDY GUIDE is your ultimate resource for achieving your commercial driving aspirations.

Additional Resources

Air Arabia

We offer comfort, reliability and value for money air travel across our network in 50 countries. Our priority is to provide best possible connections to ...

AirArabia

Air Rewards, Air Arabia's Loyalty program, is the most generous loyalty program in the region. Based on a simple earn and redeem plan, Air ...

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Cheap Flight Deals With Air Arabia

Find cheap flights with Air Arabia. Generous baggage, spacious seats, online check-in and earn points. ...

Commercial Driver's License - New Hampshire Division of ...

(L) - No Air brake equipped CMV: If an applicant does not take or fails the air brake component of the knowledge test, or performs the skills test in a vehicle not equipped with air brakes, the ...

Pre Trip Inspection for School Bus Drivers - Video ...

for a static air loss that should be coming from somewhere in the air lines or the air tanks that would detect a leak. c. The test begins with John applying the spring brake. d. When testing ...

Driver License Commercial - Virginia Department of Motor ...

May 1, 2024 · Commercial Driver's License Manual – 2005 CDL Testing System Section 1 - Introduction Page 6 Section 1 INTRODUCTION This Section Covers • Commercial Driver ...

Alabama Commercial Driver License Manual - Alabama Law ...

The Alabama Law Enforcement Agency urges you to study diligently the contents of this manual before you visit a Commercial Driver License (CDL) Test site for testing. This manual will ...

Kansas Commercial Driver's License Manual - Kansas ...

2 Kansas' approximately 141,000 miles of roads keep our state's economy moving between cities and towns - both rural and urban - and these roads help us stay connected. Even more ...

Illinois Rules of the Road Non CDL Vehicles - Illinois ...

3 If you drive a child care vehicle, you must: 7 Be age 21 or older. 7 Have a valid and properly classified driver's license issued by the Illinois Secretary of State. Depending on the size of the ...

Nevada Non-Commercial Class A and B, J Endorsement ...

Any vehicle equipped with air brakes Section 3, Air brakes Testing Written Tests Required: NCDL Class A Non CDL AB General knowledge test (sections 1, 2, 5) Non CDL Airbrake test (IF ...

Welcome to the Texas Department of Public Safety

air carrier, as defined by Texas Transportation Code (TRC), Section 21.155, and that is driven or operated exclusively by an employee of the air carrier only on the premises of an airport, as ...

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and test taking strategies contained in this Test Prep Books study guide CDL Exam Secrets - CDL Practice Tests & Air Brakes Endorsement Study Guide: CDL Test Review for the Commercial ...

International Air Brakes Series - navistarlearning.com

Study Guide International ® Air Brakes Series TMT-040702 ... Finally, air brakes are effective even when a leak reduces their capacity. The system can be designed with sufficient fail-safe ...

Lesson 3 - Manitoba Public Insurance

Exercise 2: Components of Air Brakes . Instructions • Provide answers to the questions below • Use the resources listed to assist you (if required) Resources • MPI Air Brake Manual • In ...

Commercial Driver's License Manual - WA State Licensing ...

(perform) all four (4) parts of the air brake check correctly will result in an automatic failure of the CDL Vehicle Inspection test. The proper procedures for inspecting the air brake system are as ...

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those who drive vehicles with air brakes therefore needing an Air Brakes endorsement on their CDL license Air Brakes written exam practice test questions and answers Ctts Safety Products ...

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SKILLS TESTS APPOINTMENTS: Georgetown - 853 -1004 Dover - 744 -2505 Wilmington - 433 -3204 New Castle - 326 -5005

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Staff,Ctts Safety Products,1998-07 CDL Exam Secrets - Air Brakes Endorsement Study Guide Mometrix Media LLC.,2014-03-31 Includes Practice Test Questions CDL Exam Secrets Air ...

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STUDY GUIDE - Automotive Service Excellence

Page 4 ASE Auto Maintenance & Light Repair Study Guide 14. Perform air induction/ throttle body service. 15. Inspect, service, or replace air filter(s), filter housing(s), and air intake system ...

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Commercial Driver License Manual - The Official Web Site ...

Commercial Driver's License Manual - 2005 CDL Testing System Section 1 - Introduction Version: July 2017 Page 1-1 Section 1 INTRODUCTION This Section Covers • Commercial ...

NATIONAL CDL MANUAL - Iowa Department of Transportation

Study when it's convenient and save your progress. 1. Air Gauge and Governor Cutoff Check • Chocks their wheels if necessary. • Starts the vehicle and inspects that the air gauge is ...

The Official aSe S G ASE Transit Bus Tests

The Official ASE Study Guide for Transit Bus Tests is designed to help technicians prepare for the ASE certification tests. This guide includes detailed information on the tests which cover ...

International® Medium Duty Full Power Hydraulic Brakes

much like an air brake system except that accumulators replace the air tanks and a pump motor replaces the air compressor. Objectives Participants will be able to: • Identify the purpose and ...

Cdl Air Brakes Study Guide [PDF]

Mastering CDL Air Brakes: Your Comprehensive Study Guide Cracking the CDL exam and mastering air brakes isn't about memorizing jargon—it's about understanding how these ...

Cdl Class B With Air Brakes Study Guide (PDF)

Cdl Class B With Air Brakes Study Guide: CDL Study Guide Book CDL Test Prep Team,2016-03 Test Prep Book s CDL Study Guide Book Test Preparation Training Manual for the ...

CDL Testing Quick Guide - Illinois Secretary of State

Option: Air Brakes - Class A, B & C (only if vehicle is equipped with full or partial air brakes) To Add Optional Endorsements: ... For more information, please consult the CDL Study Guide at ...

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commercial vehicles like box trucks to operating buses with air brakes. This guide provides comprehensive information to help you prepare for the CDL Class B with Air Brakes exam, ...

Q&A s for revised Alberta Air Brake Program

1. Are air brake programs required in other jurisdictions? Every province and most territories in Canada require drivers of vehicles equipped with air brakes to participate in an air brake ...

Cdl Class B With Air Brakes Study Guide (2024)

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TEXAS - CDLPass

TEXAS COMMERCIAL MOTOR VEHICLE DRIVERS HANDBOOK TEXAS DEPARTMENT OF PUBLIC SAFETY Thomas A. Davis, Jr., Director Revised February, 2004 STRANDED ...

UPRR - General Code of Operating Rules - Union Pacific

Air Brakes. Employees whose duties are affected by air brake operation must have a copy of the files and instructions for operating air brakes and train handling. Employees must know and ...

Bendix® ADB22X®, ADB22X®-V & ADB22X®- LT Air Disc ...

Bendix ADB22X-V air disc brakes install at right angles to the axle. The ADB22X-LT air disc brake is designed for trailer applications. Available with or without a combination spring brake unit, ...

Instructor's Guide - Manitoba Public Insurance

Brake Lag - is the time it takes for the air to pass through the lines to the brakes before the brakes apply. In a well maintained air brake system this can take about 4/10 of a second. Air lines to ...

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INTRODUCTION TO BRAKE SYSTEMS- Study Guide with ...

©2004 Melior, Inc. Introduction to Brake Systems - Study Guide _____ - 6 - • Maintain a small amount of residual pressure in the brake lines and wheel cylinders • That pressure is ...

Brake Adjuster's Handbook - Bureau of Automotive Repair

and as study material for licensed brake adjusters and persons desiring to be licensed as adjusters. See the applicable Candidate Handbook for further information. ... do not use ...

's License Manual Section 5 - State of Michigan

a truck or bus with air brakes, or pull a trailer with air brakes, you need to read this section. If you want to pull a trailer with air brakes, you also need to read Section 6, Combination Vehicles. ...

Preface - CDL - WA State Licensing (DOL)

Jan 1, 2017 · This Commercial Driver License (CDL) Guide is a summary of the laws and rules that apply to all drivers of commercial motor vehicles in Washington State. It is not a book of ...

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Examples DRIVER LICENSE CLASSES ow a Single vehicle with a gross vehicle weight rating (GVWR) or gross pounds. railer coach weighing over 10,000 pounds GVWR, not used for hire. ...

SUPPLEMENT FOR MODERNIZED VERSION - Florida ...

application of air, hydraulic or electric service brakes. Why Inspect: This procedure is designed to make certain that air , hydraulic or electric service brakes are operating correctly for normal ...

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Model Commercial Driver License Manual - Iowa

Sections to Study 13 X X X X X X *Study section 5 if you plan to operate vehicles equipped with air brakes. Figure 1.2 1.2 Driver Disqualifications 1.2.1 General You may not drive a ...

Towing a Recreational Trailer Manual - ICBC

recreational trailer or your truck has air brakes, you need a Class 1 driver's licence with an air brake endorsement. How to apply for a house trailer endorsement 1. Study this guide. 2. Apply ...

Table of Contents - MGM Brakes

While cam brakes rely on the slack adjuster to transfer linear force into torque to apply the brakes, wedge brakes operate entirely on a different principle (Fig. 3). Wedge brakes utilize a "wedge ...

[Commercial Driver License Manual - Mass.gov](#)

- the Air Brakes Test, which you must take if your vehicle has air brakes (25 minutes - 25 questions) • the Combination Vehicles Test, which is required if you want to drive combination ...

CHP 234B (Rev. 5-17) OPI 061 - California Highway Patrol

TOW TRUCK INSPECTION GUIDE . CHP 234B (Rev. 5-17) OPI 061. Page 2 of 2. Destroy Previous Editions . Chp234B_0419.pdf. TOW TRUCK EQUIPMENT SPECIFICATIONS (By ...

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