tecumseh tc2

tecumseh tc2 is a notable model in the Tecumseh line of small engines, primarily recognized for its reliability, efficiency, and suitability for various outdoor power equipment. This article provides a comprehensive overview of the Tecumseh TC2 engine, highlighting its specifications, common applications, maintenance tips, and troubleshooting advice. Understanding the features and performance of the Tecumseh TC2 can help users maximize the lifespan and functionality of their equipment. Additionally, this guide covers the engine's design aspects, fuel requirements, and typical problems encountered. Whether you are a homeowner, landscaper, or equipment technician, this detailed examination of the Tecumseh TC2 will enhance your knowledge and ensure optimal engine operation. The following sections will delve into the engine's technical details, practical uses, and essential care considerations.

- Overview and Specifications of Tecumseh TC2
- Applications of the Tecumseh TC2 Engine
- Maintenance and Care for Tecumseh TC2
- Troubleshooting Common Issues
- Fuel and Performance Optimization

Overview and Specifications of Tecumseh TC2

The Tecumseh TC2 is a small, air-cooled, four-stroke engine designed for durability and ease of use. It is part of the Tecumseh TC series, renowned for delivering dependable power in compact machinery. The engine typically features a horizontal shaft configuration, making it versatile for various equipment types. Its robust construction includes a cast iron cylinder sleeve, which enhances wear resistance and engine longevity.

Engine Design and Build

The Tecumseh TC2 engine incorporates a single-cylinder layout with an overhead valve (OHV) system. This design improves combustion efficiency and reduces emissions compared to older flathead engines. The engine displacement is generally around 196cc, providing sufficient power output for light to medium-duty tasks. Additionally, the TC2 utilizes a recoil starter mechanism, which is straightforward and reliable for starting the engine manually.

Technical Specifications

Key technical specifications of the Tecumseh TC2 include:

- Displacement: Approximately 196cc
- Engine Type: 4-stroke, single-cylinder, air-cooled
- Valvetrain: Overhead valve (OHV)
- Starting System: Recoil starter
- Fuel System: Carburetor-fed gasoline
- Power Output: Typically ranges between 5 to 6.5 horsepower
- Shaft Orientation: Horizontal

These specifications make the Tecumseh TC2 suitable for a variety of applications requiring moderate power and consistent performance.

Applications of the Tecumseh TC2 Engine

The Tecumseh TC2 engine is widely used in outdoor power equipment due to its reliable performance and ease of maintenance. Its compact size and power output make it an excellent choice for several types of machinery in residential and commercial settings.

Common Equipment Featuring Tecumseh TC2

The engine is commonly found in:

- Lawn mowers: Both walk-behind and small riding mowers often utilize the TC2 for efficient grass cutting.
- Pressure washers: The engine powers compact pressure washers designed for light to medium cleaning tasks.
- Generators: Portable generators benefit from the TC2's steady output and fuel efficiency.
- Water pumps: Small water pumps employ the engine for irrigation and drainage purposes.
- Tillers and cultivators: Garden tillers use the engine to provide the necessary torque for soil preparation.

These applications highlight the versatility and adaptability of the Tecumseh TC2 engine within various outdoor and utility equipment industries.

Advantages in Equipment Performance

The Tecumseh TC2 enhances equipment performance by delivering:

- Consistent power output for reliable operation
- Fuel efficiency that reduces operational costs
- Compact design facilitating ease of installation and maintenance
- Durability to withstand regular use in different environments

Maintenance and Care for Tecumseh TC2

Proper maintenance is critical to preserving the performance and extending the lifespan of the Tecumseh TC2 engine. Routine care ensures the engine runs smoothly and prevents costly repairs or downtime.

Regular Maintenance Tasks

Essential maintenance activities for the Tecumseh TC2 include:

- 1. **Oil Change:** Replace the engine oil every 25-50 hours of operation or at least once per season. Use SAE 30 or recommended oil type.
- 2. Air Filter Cleaning: Inspect and clean or replace the air filter regularly to maintain proper airflow and prevent engine damage.
- 3. **Spark Plug Inspection:** Check the spark plug for wear or carbon buildup every 100 hours and replace if necessary.
- 4. Fuel System Check: Clean the carburetor and fuel filter to avoid clogging and ensure efficient fuel delivery.
- 5. **Cooling Fins Cleaning:** Remove debris from cooling fins to prevent overheating and maintain engine temperature control.

Storage and Seasonal Care

During periods of inactivity, proper storage procedures are vital. These include draining the fuel tank or adding a fuel stabilizer to prevent gasoline degradation. Additionally, running the engine dry of fuel before storage reduces the risk of carburetor blockages. Keep the engine in a dry, clean environment to avoid corrosion and damage.

Troubleshooting Common Issues

Despite its durability, the Tecumseh TC2 engine may encounter operational problems. Identifying and addressing these issues promptly helps maintain optimal performance and safety.

Starting Difficulties

Common causes of hard starting or failure to start include:

- Dirty or fouled spark plug
- Clogged fuel filter or carburetor
- Old or stale fuel
- Insufficient compression due to internal engine wear

Regular maintenance and inspection can prevent most starting problems. Replacing worn parts and ensuring clean fuel and air supply are critical steps.

Engine Running Rough or Stalling

If the engine runs unevenly or stalls during operation, potential reasons might be:

- Fuel contamination or incorrect fuel mixture
- Blocked air filter restricting airflow
- Improper carburetor adjustment
- Ignition system faults such as a weak spark

Diagnosing these issues involves systematic checks of fuel, air, and ignition components to restore smooth engine function.

Fuel and Performance Optimization

The fuel system plays an essential role in the efficiency and power output of the Tecumseh TC2 engine. Using the correct fuel and maintaining the fuel system are fundamental to optimal performance.

Fuel Requirements and Recommendations

The Tecumseh TC2 typically requires unleaded gasoline with an octane rating of 87 or higher. It is important to use fresh fuel to avoid the negative effects of stale gasoline, which can cause poor combustion and engine deposits. The use of ethanol-free fuel or fuel with low ethanol content is preferred to minimize carburetor and fuel system corrosion.

Improving Engine Efficiency

Performance can be enhanced by:

- Regularly cleaning and tuning the carburetor
- Ensuring the air filter is clean and unobstructed
- Maintaining the correct oil level and quality
- Using recommended spark plugs and replacing them as needed
- Operating the engine within the specified load and RPM ranges

Adhering to these practices helps maintain fuel economy, reduce emissions, and extend engine life.

Frequently Asked Questions

What is the Tecumseh TC2 engine commonly used for?

The Tecumseh TC2 engine is commonly used in lawn mowers, small garden tractors, and other outdoor power equipment due to its reliability and compact design.

What are the key specifications of the Tecumseh TC2 engine?

The Tecumseh TC2 engine typically features a 2-cycle design, with around 5 to 7 horsepower, and a displacement of approximately 163cc, making it efficient

How do I perform basic maintenance on a Tecumseh TC2 engine?

Basic maintenance for a Tecumseh TC2 engine includes regularly changing the spark plug, cleaning or replacing the air filter, using the correct fuel mixture, and checking for any fuel or oil leaks.

Where can I find replacement parts for the Tecumseh TC2 engine?

Replacement parts for the Tecumseh TC2 engine can be found through authorized Tecumseh dealers, online marketplaces like Amazon or eBay, and specialized small engine parts retailers.

What are common issues with the Tecumseh TC2 engine and how can they be fixed?

Common issues include difficulty starting, rough running, or stalling, often caused by dirty carburetors, old fuel, or spark plug problems. Cleaning the carburetor, replacing fuel, and changing the spark plug usually resolve these problems.

Is the Tecumseh TC2 engine compatible with modern outdoor equipment?

While the Tecumseh TC2 engine is older and designed for specific equipment, it can still be compatible with some modern outdoor tools if the mounting and power requirements match, but newer engines might offer better efficiency and emissions.

Additional Resources

- 1. Tecumseh TC2 Engine Repair Manual
 This comprehensive quide covers the
- This comprehensive guide covers the maintenance and repair of the Tecumseh TC2 engine series. It includes detailed diagrams, troubleshooting tips, and step-by-step instructions for common repairs. Ideal for both amateur mechanics and professionals working on small engines.
- 2. Small Engine Fundamentals: Tecumseh TC2 Edition
 Focused on the Tecumseh TC2 engine, this book introduces readers to the basics of small engine operation and care. It explains engine components, fuel systems, and ignition processes, making it perfect for beginners looking to understand their engine better.
- 3. Tecumseh TC2 Troubleshooting and Maintenance Handbook

A practical handbook designed to help diagnose and fix issues specific to Tecumseh TC2 engines. It provides clear guidance on routine maintenance tasks, common engine problems, and effective solutions to keep the engine running smoothly.

- 4. The History and Legacy of Tecumseh Engines
- This book explores the development and impact of Tecumseh engines, with a special focus on the TC2 series. It covers the company's innovations, engine design evolution, and the role Tecumseh engines have played in the small engine industry.
- 5. DIY Small Engine Repair: Tecumseh TC2 Focus
 A hands-on manual for do-it-yourself enthusiasts aiming to repair and

maintain their Tecumseh TC2 engines. The book emphasizes safety, proper tools, and provides easy-to-follow instructions for common repairs and part replacements.

- 6. Tecumseh TC2 Carburetor Tuning Guide Specializing in the carburetor system of the TC2 engine, this book explains how to adjust and tune the carburetor for optimum performance. It includes troubleshooting carburetor issues and tips to improve fuel efficiency and
- 7. Performance Upgrades for Tecumseh TC2 Engines
 This title is for those interested in enhancing the power and efficiency of their Tecumseh TC2 engines. It covers aftermarket parts, modifications, and tuning techniques to boost engine performance for various applications.
- 8. Tecumseh TC2 Engine Parts Catalog
 An essential reference for owners and mechanics, this catalog lists all parts available for the Tecumseh TC2 engine. It includes part numbers, descriptions, and illustrations to assist in identifying and ordering replacement components.
- 9. Small Engine Safety and Operation: Tecumseh TC2
 Focusing on safe operation practices, this book provides guidelines for using Tecumseh TC2 engines responsibly. It covers startup procedures, hazard awareness, and maintenance routines to prevent accidents and prolong engine life.

Tecumseh Tc2

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Tecumseh TC2: The Ultimate Guide to Mastering Your Off-Road Adventure

Are you tired of struggling with unreliable off-road performance? Does the thought of getting stuck in the mud, battling steep inclines, or facing unpredictable terrain fill you with dread? Do you crave the freedom and excitement of conquering challenging landscapes but lack the knowledge to confidently navigate them? If so, this ebook is your answer.

This comprehensive guide, "Conquering the Trails: Your Tecumseh TC2 Mastery Handbook," dives deep into everything you need to know to unlock the full potential of your Tecumseh TC2 engine. We'll transform you from a novice to a confident off-road expert.

Contents:

Introduction: Understanding the Tecumseh TC2 Engine - its strengths, weaknesses, and unique features.

Chapter 1: Maintenance & Care: A step-by-step guide to routine maintenance, ensuring peak performance and longevity.

Chapter 2: Troubleshooting & Repairs: Diagnosing common problems, performing basic repairs, and identifying when professional help is needed.

Chapter 3: Performance Tuning & Optimization: Exploring techniques to enhance power, fuel efficiency, and overall performance.

Chapter 4: Off-Road Techniques & Strategies: Mastering various off-road driving techniques for different terrains and conditions.

Chapter 5: Safety & Emergency Procedures: Preparing for unexpected situations, ensuring safe operation, and handling emergencies effectively.

Conclusion: Maintaining your Tecumseh TC2 for years of reliable off-road adventures.

Conquering the Trails: Your Tecumseh TC2 Mastery Handbook

Introduction: Understanding the Tecumseh TC2 Engine

The Tecumseh TC2 engine, a stalwart in the world of small engines, powers a multitude of off-road vehicles and equipment. Its reputation for reliability and robust performance makes it a favorite among enthusiasts. However, understanding its nuances is crucial for maximizing its lifespan and achieving optimal performance. This introduction will lay the groundwork for your journey to mastering your Tecumseh TC2. We'll explore its key features, inherent strengths, and potential weaknesses, setting the stage for the detailed guidance provided in the subsequent chapters. Understanding these fundamentals will empower you to tackle any challenge the trail throws your way. We'll discuss common variations within the TC2 family and highlight any significant differences that impact maintenance or operation.

Chapter 1: Maintenance & Care: Keeping Your TC2 Running Smoothly

Regular maintenance is paramount for extending the life and performance of your Tecumseh TC2. This chapter details a comprehensive maintenance schedule, broken down into routine tasks and more infrequent but crucial procedures.

- 1.1 Regular Inspections: We'll cover the importance of visual inspections, checking for signs of leaks, damage, or loose components. Learning to identify potential problems early can prevent costly repairs down the line.
- 1.2 Oil Changes: A detailed guide on selecting the correct oil viscosity for various operating conditions and the proper oil change procedure, including draining, refilling, and checking oil levels.
- 1.3 Air Filter Replacement: A clean air filter is vital for optimal engine performance and longevity. We'll explain how to identify a clogged filter, the correct replacement procedure, and the importance of using the correct filter type.
- 1.4 Spark Plug Maintenance: The spark plug is crucial for ignition. This section will cover checking the spark plug gap, cleaning or replacing the plug, and ensuring proper installation.
- 1.5 Carburetor Cleaning & Adjustment: A dirty carburetor can significantly impact performance. We'll provide step-by-step instructions on cleaning and adjusting the carburetor for optimal fuel delivery. This includes identifying common carburetor issues and troubleshooting solutions.
- 1.6 Cooling System Check: Ensuring adequate cooling is critical, especially in demanding off-road conditions. We'll discuss checking coolant levels, identifying leaks, and addressing cooling system issues.
- 1.7 Lubrication: Proper lubrication is vital for reducing wear and tear on moving parts. We'll discuss lubrication points and the types of grease or lubricants to use.

Chapter 2: Troubleshooting & Repairs: Addressing Common Problems

This chapter empowers you to diagnose and solve common Tecumseh TC2 engine problems. We'll move beyond basic maintenance and delve into more advanced troubleshooting techniques.

- 2.1 Engine Won't Start: A systematic approach to diagnosing why your engine won't start, covering issues like fuel delivery, spark, and starting system problems.
- 2.2 Engine Runs Rough: Identifying causes of rough running, including carburetor issues, ignition problems, and air leaks.

- 2.3 Engine Overheating: Diagnosing and addressing overheating issues, from coolant leaks to cooling system blockages.
- 2.4 Low Power/Lack of Performance: Troubleshooting issues that lead to reduced engine power, including fuel delivery problems, air restrictions, and ignition problems.
- 2.5 Excessive Smoke/Exhaust Issues: Diagnosing the causes of abnormal smoke from the exhaust, such as oil burning, fuel mixture issues, and other potential problems.
- 2.6 Basic Repair Procedures: This section will cover simple repairs that can be performed at home, including replacing simple components and performing basic adjustments. Important safety precautions will be emphasized throughout.
- 2.7 When to Call a Professional: Recognizing when a problem requires the expertise of a qualified mechanic is crucial to avoid further damage.

Chapter 3: Performance Tuning & Optimization: Getting the Most Out of Your TC2

This chapter focuses on optimizing your Tecumseh TC2's performance.

- 3.1 Fuel Mixture Adjustment: Fine-tuning the fuel mixture for optimal power and efficiency.
- 3.2 Governor Adjustment: Understanding and adjusting the governor to optimize engine speed and response.
- 3.3 Exhaust System Modifications (if applicable): Exploring potential exhaust modifications (where permissible and safe), emphasizing the importance of maintaining proper back pressure.
- 3.4 Performance Upgrades (if applicable): Discussing potential performance upgrades, emphasizing safety and the potential trade-offs involved.

Chapter 4: Off-Road Techniques & Strategies: Mastering Different Terrains

This chapter transcends the engine itself and focuses on mastering off-road driving techniques with your TC2-powered vehicle.

- 4.1 Driving on Different Terrains: Techniques for navigating mud, sand, rocks, and hills.
- 4.2 Vehicle Recovery Techniques: Strategies for recovering your vehicle if you get stuck.

4.3 Safety Precautions: Emphasizing safe driving practices in challenging off-road environments.

Chapter 5: Safety & Emergency Procedures: Preparing for the Unexpected

Safety is paramount. This chapter equips you with essential safety knowledge and procedures.

- 5.1 Pre-Trip Inspections: Essential checks before each off-road adventure.
- 5.2 Emergency Kit Essentials: Creating a comprehensive emergency kit for unexpected situations.
- 5.3 First Aid Knowledge: Basic first aid knowledge for minor injuries sustained off-road.
- 5.4 Communication Strategies: Maintaining communication in remote areas.

Conclusion: A Lifetime of Off-Road Adventures

This guide provides a comprehensive resource for mastering your Tecumseh TC2 engine and enjoying years of reliable off-road adventures. Remember that consistent maintenance and a proactive approach to troubleshooting will keep your engine running smoothly for years to come.

FAQs

- 1. What type of oil should I use in my Tecumseh TC2 engine? Refer to your owner's manual for the recommended oil type and viscosity.
- 2. How often should I change the oil in my Tecumseh TC2? The frequency depends on usage, but generally, it's recommended every 25-50 hours of operation or as recommended in your owner's manual.
- 3. How do I adjust the carburetor on my Tecumseh TC2? This requires careful adjustment and may necessitate consulting a repair manual or a qualified mechanic. Improper adjustment can damage your engine.
- 4. My Tecumseh TC2 engine won't start. What should I check? Start by checking the fuel supply, spark plug, and air filter. Consult Chapter 2 for a detailed troubleshooting guide.

- 5. What are the signs of a worn spark plug? Signs include difficulty starting, rough running, and poor performance. Inspect the spark plug for wear and replace as needed.
- 6. How do I clean the air filter on my Tecumseh TC2? Refer to your owner's manual for instructions. Some filters are washable, while others need to be replaced.
- 7. What safety precautions should I take when working on my Tecumseh TC2 engine? Always disconnect the spark plug before performing any maintenance or repairs to prevent accidental starting.
- 8. What is the governor on my Tecumseh TC2 engine, and why is it important? The governor regulates the engine speed to prevent over-revving and damage.
- 9. Where can I find parts for my Tecumseh TC2 engine? Many online retailers and small engine repair shops carry Tecumseh parts. You can also check the Tecumseh website for authorized dealers.

Related Articles:

- 1. Tecumseh TC2 Engine Repair Manual: A detailed guide to repairing your Tecumseh TC2 engine.
- 2. Tecumseh TC2 Carburetor Troubleshooting: Focusing specifically on diagnosing and fixing carburetor problems.
- 3. Tecumseh TC2 Performance Tuning Guide: Advanced techniques to enhance engine power and efficiency.
- 4. Understanding Tecumseh TC2 Engine Specifications: A comprehensive guide to the engine's technical specifications.
- 5. Maintaining Your Tecumseh TC2 Engine for Longevity: Tips and tricks for extending your engine's lifespan.
- 6. Common Tecumseh TC2 Engine Problems and Solutions: A quick reference guide to common issues and their solutions.
- 7. Off-Road Driving Techniques for Tecumseh TC2 Powered Vehicles: Specific driving techniques tailored to this engine type.
- 8. Building an Emergency Kit for Off-Road Adventures: A detailed guide to building a comprehensive off-road emergency kit.
- 9. Safety First: Off-Road Driving with a Tecumseh TC2 Engine: Emphasizing safety procedures and best practices while using a Tecumseh TC2 powered vehicle.

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tecumseh tc2: Fairies Afield Mrs Molesworth, 2024-02 Fairies Afield is a children's fantasy story written by Mary Louisa Molesworth, a well-known English children's author in the late nineteenth and early twentieth century. The book, published in 1902, is part of Molesworth's wide body of work, which includes a number of novels and stories for children. The story follows two siblings, Tottie and Tittie, as they go on a fantastic journey into the world of fairies. The children discover a secret road in the woods that leads them to the world of the fairies, where they meet a variety of wonderful creatures and participate in quirky and enchanting adventures. The kids become friends with fairies, elves, and other mystical creatures as they explore this magical realm. Like children's books from the Victorian and Edwardian eras, the story is full with endearing moments and soft moral messages. The narratives of Molesworth highlight kindness, amazement, and inventiveness. Fairies Afield perfectly encapsulates the essence of beloved children's books with its themes of friendship, magic, and youthful innocence. For those who appreciate classic stories of magic and adventure, the novel is still enjoyable.

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recovering and extending the role of Indigenous law within both Indigenous communities and Canadian society more broadly.--Pub. desc.

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termites; the radioisotopes for feeding studies; and the moisture requirements for termite survival. The concluding chapters deal with the introduction or interception of termites by humans and their association with fungi, as well as the relationships of termite hosts with termitophiles. Termite biologists, zoologists, botanists, ecologists, behaviorists, biochemists, endocrinologists, and economic entomologists will find this volume invaluable.

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tecumseh tc2: Fatty Legs Christy Jordan-Fenton, Margaret Pokiak-Fenton, 2010-09-01 Eight-year-old Margaret Pokiak has set her sights on learning to read, even though it means leaving her village in the high Arctic. Faced with unceasing pressure, her father finally agrees to let her make the five-day journey to attend school, but he warns Margaret of the terrors of residential schools. At school Margaret soon encounters the Raven, a black-cloaked nun with a hooked nose and bony fingers that resemble claws. She immediately dislikes the strong-willed young Margaret. Intending to humiliate her, the heartless Raven gives gray stockings to all the girls — all except Margaret, who gets red ones. In an instant Margaret is the laughingstock of the entire school. In the face of such cruelty, Margaret refuses to be intimidated and bravely gets rid of the stockings. Although a sympathetic nun stands up for Margaret, in the end it is this brave young girl who gives the Raven a lesson in the power of human dignity. Complemented by archival photos from Margaret Pokiak-Fenton's collection and striking artworks from Liz Amini-Holmes, this inspiring first-person account of a plucky girl's determination to confront her tormentor will linger with young readers.

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tecumseh tc2: Global Citizenship Education William Gaudelli, 2016-03-22 Global Citizenship Education addresses the intersection of globalization, education and programmatic efforts to prepare young people to live in a more interdependent, complex and fragile world. The book explores topics such as sustainability education, cultural diversity, and human rights education, offering critical insights into how these facets of GCE are interpreted around the world. The book also strives to give voice to student populations within historically marginalized communities, rather than focusing solely on the role of GCE in elite schools. Gaudelli blends theory and practice to provide both an overview of GCE as well as examining current efforts to develop more globally-conscious classrooms. Blending empirical research and practical illustrations, this important volume encourages educators to take seriously their own call to prepare young people to engage

global challenges with a sense of urgency and helps chart a new direction for global learning that is increasingly expansive, dialogic and inclusive.

tecumseh tc2: Understanding by Design Grant P. Wiggins, Jay McTighe, 2005 What is understanding and how does it differ from knowledge? How can we determine the big ideas worth understanding? Why is understanding an important teaching goal, and how do we know when students have attained it? How can we create a rigorous and engaging curriculum that focuses on understanding and leads to improved student performance in today's high-stakes, standards-based environment? Authors Grant Wiggins and Jay McTighe answer these and many other questions in this second edition of Understanding by Design. Drawing on feedback from thousands of educators around the world who have used the UbD framework since its introduction in 1998, the authors have greatly revised and expanded their original work to guide educators across the K-16 spectrum in the design of curriculum, assessment, and instruction. With an improved UbD Template at its core, the book explains the rationale of backward design and explores in greater depth the meaning of such key ideas as essential questions and transfer tasks. Readers will learn why the familiar coverageand activity-based approaches to curriculum design fall short, and how a focus on the six facets of understanding can enrich student learning. With an expanded array of practical strategies, tools, and examples from all subject areas, the book demonstrates how the research-based principles of Understanding by Design apply to district frameworks as well as to individual units of curriculum. Combining provocative ideas, thoughtful analysis, and tested approaches, this new edition of Understanding by Design offers teacher-designers a clear path to the creation of curriculum that ensures better learning and a more stimulating experience for students and teachers alike.

tecumseh tc2: A Sorrow in Our Heart Allan W. Eckert, 1993-02-01 A biography of the famous Shawnee describes Tecumseh's plan to amalgamate all North American tribes into one people, his role as statesman and military strategist, and his death in the Battle of Thames.

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