

Unity 11725

Instruction Manual

UNITY AUTOMOTIVE 11725 FRONT LEFT COMPLETE STRUT ASSEMBLY

Model: 11725 | Brand: Unity

Product Overview

The Unity Automotive 11725 Front Left Complete Strut Assembly is engineered to provide a hassle-free solution for replacing your vehicle's suspension. This preassembled unit includes all necessary components, such as the top mount, bearing plate, bumper, insulators, and coil spring, eliminating the need for specialized tools during installation. It is designed to restore your vehicle's factory ride height and ensure a stable, comfortable ride. Unity Automotive has over 50 years of experience in manufacturing high-quality aftermarket automotive parts, focusing on durability and reliability.

Key Features

- **Preassembled Design:** Includes top mount, bearing plate, bumper, insulators, and coil spring for a complete unit.
- **Restores Ride Quality:** Engineered to restore factory ride height and provide a stable, comfortable driving experience.
- **Trouble-Free Installation:** Designed for superior fit and eliminates the need for specialty tools.
- **Hassle-Free Repair:** All new components ensure a straightforward replacement process.
- **Vehicle Specific Fit:** Ensures precise compatibility with specified vehicle models.

Package Contents

Upon opening the package, you will find the following item:

- (1) Unity Automotive 11725 Front Left Complete Strut Assembly

Vehicle Compatibility

This Unity Automotive 11725 Front Left Complete Strut Assembly is compatible with the following vehicle:

- **Make:** Dodge
- **Model:** Dart
- **Years:** 2013-2016
- **Position:** Front Driver Side (Left)

Fitment Note: This part **excludes** SE, SXT, and Rallye Models of the Dodge Dart.

Installation Guide

Important Safety Information: Installation of automotive suspension components should only be performed by qualified individuals with proper tools and safety equipment. Failure to follow proper procedures can result in serious injury or damage to the vehicle. Always consult a professional mechanic if you are unsure about any step.

Required Tools (Typical):

- Vehicle Jack and Jack Stands
- Wheel Chocks
- Socket Wrench Set
- Torque Wrench
- Penetrating Oil
- Safety Glasses and Gloves

General Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and chock the rear wheels. Loosen the lug nuts on the front left wheel.
2. **Lift Vehicle:** Safely lift the front of the vehicle using a jack and secure it with jack stands. Remove the front left wheel.
3. **Disconnect Components:** Locate the existing strut assembly. Disconnect any brake lines, ABS sensor wires, or sway bar links attached to the strut.
4. **Remove Old Strut:** Unbolt the lower mounting bolts connecting the strut to the steering knuckle. Then, unbolt the upper mounting nuts from the strut tower under the hood. Carefully remove the old strut assembly from the vehicle.
5. **Install New Strut:** Position the new Unity Automotive 11725 complete strut assembly into the strut tower. Secure the upper mounting nuts, but do not fully tighten yet.
6. **Connect Lower Mount:** Align the lower mounting holes of the new strut with the steering knuckle. Insert and hand-tighten the lower mounting bolts.
7. **Reconnect Components:** Reattach any brake lines, ABS sensor wires, and sway bar links that were disconnected.
8. **Torque Fasteners:** Refer to your vehicle's service manual for specific torque specifications. Fully tighten all upper and lower mounting bolts/nuts to the manufacturer's recommended torque.

9. **Reinstall Wheel:** Reinstall the front left wheel and hand-tighten the lug nuts.
10. **Lower Vehicle:** Safely lower the vehicle to the ground. Fully tighten the lug nuts to the manufacturer's specifications.
11. **Final Check:** After installation, it is highly recommended to have a professional alignment performed to ensure proper vehicle handling and tire wear.



Image: The Unity Automotive 11725 Front Left Complete Strut Assembly, showing the integrated coil spring, strut body, and mounting points. This preassembled unit simplifies the installation process by including all necessary components.

Maintenance and Care

The Unity Automotive 11725 Complete Strut Assembly is designed for long-lasting reliability and typically requires minimal maintenance after proper installation. However, regular vehicle inspections are recommended to ensure optimal performance and safety.

- **Regular Inspections:** Periodically inspect the strut assembly for any signs of damage, leaks, or excessive

wear. Check the rubber boots for cracks and ensure all mounting bolts remain tight.

- **Alignment:** After replacing any suspension component, it is crucial to have a professional wheel alignment performed. This ensures correct steering, handling, and prevents premature tire wear.
- **Cleaning:** Keep the strut assembly free from excessive dirt, salt, and debris, especially in harsh weather conditions. A simple rinse with water during vehicle washing is usually sufficient.
- **Avoid Overloading:** Do not exceed your vehicle's Gross Vehicle Weight Rating (GVWR) as this can put undue stress on suspension components, including the strut assembly.

Troubleshooting Common Issues

If you experience any issues after installing your new strut assembly, consider the following common problems and their potential solutions. Always consult a certified mechanic for complex issues or if you are unsure.

Symptom	Possible Cause	Solution
Uneven Ride Height	Incorrect part installed (e.g., wrong side), or issue with other suspension components.	Verify part number and position. Inspect other suspension components (e.g., springs, control arms) on both sides of the vehicle.
Clunking or Rattling Noise	Loose mounting bolts, worn sway bar links, or other loose components.	Check all mounting bolts (upper and lower) for proper torque. Inspect sway bar links and bushings.
Poor Handling or Steering Pull	Wheel alignment needed, or other steering/suspension components are worn.	Perform a professional wheel alignment. Inspect tie rod ends, ball joints, and control arm bushings.
Excessive Bouncing or Rough Ride	Rare for new strut; could indicate an issue with the strut itself or other worn suspension components.	Contact Unity Automotive support if the issue persists after verifying proper installation. Inspect other suspension components.

Product Specifications

Manufacturer	Unity Automotive
Brand	Unity
Model Number	11725
Item Weight	17.2 pounds
Product Dimensions	17.4 x 6.2 x 6.2 inches
Exterior Finish	Painted

Manufacturer Part Number	11725
Position	Front Left (Driver Side)
ASIN	B07RT6NCTN
First Available Date	May 15, 2019

Safety Information







Always prioritize safety when working on your vehicle's suspension system. Improper installation or handling can lead to serious injury or vehicle damage.

- **Professional Installation Recommended:** If you are not experienced with automotive repairs, it is highly recommended to have this part installed by a certified professional mechanic.
- **Use Proper Tools:** Always use appropriate and well-maintained tools for the job, including a reliable jack, sturdy jack stands, and a torque wrench.
- **Personal Protective Equipment:** Wear safety glasses, gloves, and appropriate work attire to protect yourself from potential hazards.
- **Vehicle Stability:** Ensure the vehicle is securely supported on jack stands before beginning any work underneath. Never rely solely on a jack.
- **Torque Specifications:** Always tighten fasteners to the vehicle manufacturer's specified torque settings. Overtightening or undertightening can lead to component failure.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

Warranty and Support

For information regarding the warranty of your Unity Automotive 11725 Front Left Complete Strut Assembly, please refer to the documentation included with your purchase or visit the official Unity Automotive website. For technical support or assistance with installation, please contact Unity Automotive customer service directly.

Contact Information: Please refer to the manufacturer's official website or product packaging for the most current contact details for customer support.

	<p>Dell Unity Family: Replacing a Faulted 2U DPE</p> <p>A comprehensive guide for replacing a faulted 2U Disk Processor Enclosure (DPE) in Dell Unity storage systems, including safety precautions, step-by-step removal and installation procedures, and verification steps.</p>
	<p>Dell EMC Unity 480/480F, 680/680F, 880/880F Quick Start Guide</p> <p>A quick start guide for installing and configuring Dell EMC Unity 480/480F, 680/680F, 880/880F storage systems. Covers unpacking, rail installation, system mounting, serial number recording, network cabling, power up, and initial management address assignment.</p>
	<p>Dell EMC Unity All-Flash Storage System: Technical Overview</p> <p>A comprehensive overview of the Dell EMC Unity All-Flash storage system, detailing its architecture, physical specifications, connectivity options, software capabilities, and virtualization solutions. Includes technical data for Unity 350F, 450F, 550F, and 650F models.</p>
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UsGerraMdaenlunavlted Biological Microscope User Manual This manual is written for EXI-600 research g...

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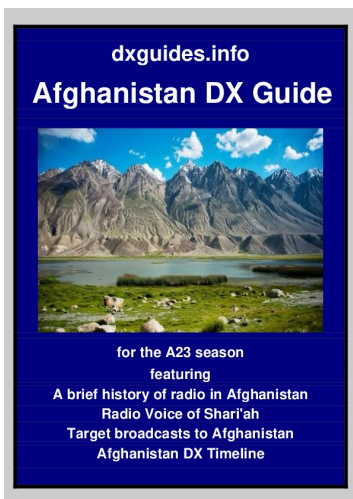
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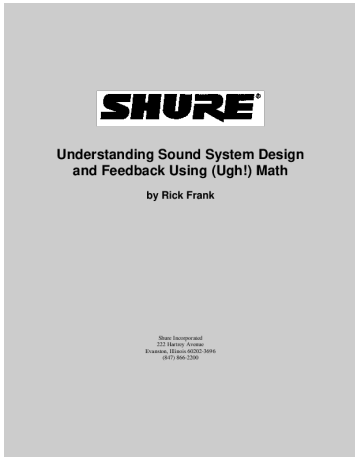
dxguides.info Afghanistan DX Guide for the A23 season featuring A brief history of

radio in Afghanis ... an is scheduled to broadcast at 1400-1430 on 15445, 11875 and

11770 kHz, as well as at 0300-0330 on **11725**, 9750 and 7145 kHz. Programmes are

in Dari. Station Schedule December 1987: Radio Afghanista...

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Understanding Sound System Design and Feedback Using Ugh! Math Potential Acoustic Gain Equation Shure Incorporated us pro sound system design eacdn shure 80 publication upload 513 ea UghOne of the basic building blocks is PAG equation With a few simple calculations it can provide guide Understand with Mathus easchematicsforfree files Audio Circuits Professional Installation Operation Understand Mathcdn |||

Understanding Sound System Design and Feedback Using Ugh Math by Rick Frank Shure Incorporated 22 ... this article. Handbook of Sound System Design, John Eargle; ELAR Publishing Co., Inc., Commack, NY **11725** Handbook for Sound Engineers, Ed. Glen Ballou especially the article by Chris Foreman Sound... lang:en score:15 filesize: 87.26 K page_count: 12 document date: 2010-01-20



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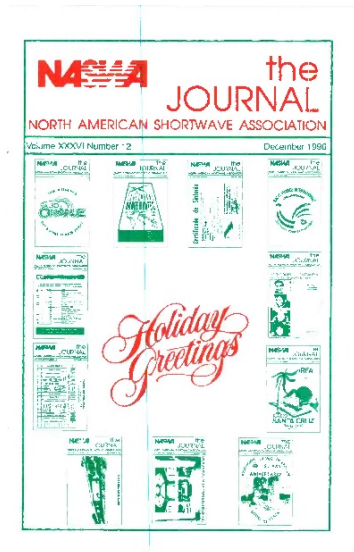
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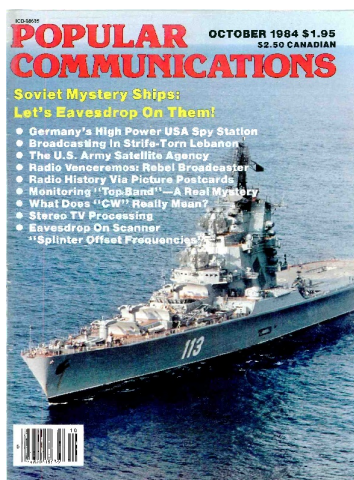
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Mystery Eavesdro World Radio History can be set on manual for continuous monitoring of any one channel In addition the search function locates unknown frequencies within a band Other features include scan delay priority and bright dim switch to control brightness 9 digit Vacuum Fluorescent display The D310 operated either 120VAC or 12VDC Popular Communications 1984 10 worldradiohistory Archive 80s ICD-03635 -5Th, Thl 3 1 r N OCTOBER 1984 1.95 2.50 CANADIAN Soviet Mystery Let s Eavesdro G ... siness with Ger- many until then despite the rather delicate CRB RESEARCH P.O. Box 56 Commack, NY 11725 condition of international affairs. Don t forget that the Navy had probably taken the Telegra...

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891CU MICROSCOPY CAMERA

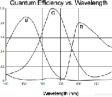


High Resolution with Outstanding Sensitivity

With 3264 x 2472 resolution and on-board processing, the 891CU delivers excellent image quality utilizing the most advanced Sony[®] sensor on the market.

The 891CU camera allows for up to 20 frames per second during operation in high speed mode and incorporates a new signal to noise ratio to keep images crisp. 891CU cameras are supplied with the latest Micrometrics[®] SE Premium Imaging software which incorporates live image measurement and annotation, image stitching and image stacking as well as increased long exposure times in the live image preview.

Quantum Efficiency vs. Wavelength



Specifications

Resolution	3 KDP
Power	USB Bus
Bit Depth	12-bit High Dynamic Range Processing
Interface Class	USB 3.0
Interface	One-Click Automation
Microscope Interface	One-Click Connect to the port
Recommended Video Delay	0.5s
Image Technology	CCD
Pixel Array	3264 x 2472
Frame Rate	30.2 FPS (Full Frame) at 100% gain with 10 frames
Pixel Size	2.2 µm x 2.2 µm
Signal to Noise Ratio	60 dB
Imaging Time	1.7 frames / 1.6 sec (max)
Microscope Interface Type	One-Click Connect to the port
Frame Rate	30.2 FPS (Full Frame) at 100% gain with 10 frames
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73 Mall Drive • Commack, NY 11725
631-864-1000 (Ph) • 631-543-8900 (F)
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891CU MICROSCOPY CAMERA High Resolution with Outstanding Sensitivity With


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591CU MICROSCOPY CAMERA

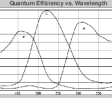


High Resolution With Outstanding Sensitivity

With 2608 x 652 resolution and on-board processing, the 591CU delivers excellent image quality utilizing the most advanced Sony[®] sensor on the market.

The 591CU camera allows for up to 11.2 frames per second during operation in high speed mode and incorporates a new signal to noise ratio to keep images crisp. 591CU cameras are supplied with the latest Micrometrics[®] SE Premium Imaging software which incorporates live image measurement and annotation, image stitching and image stacking.

Quantum Efficiency vs. Wavelength



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631-864-1000 (Ph) • 631-543-8900 (F)
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