

4L60e 1 2 Accumulator Diagram

4L60E 1-2 Accumulator Diagram: A Critical Analysis of its Impact on Modern Transmission Design

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Introduction: Understanding the Significance of the 4L60E 1-2 Accumulator Diagram

The 4L60E, a widely used four-speed automatic transmission by General Motors, is a complex system relying heavily on hydraulic pressure to control gear shifts. Central to its operation is the accumulator, specifically the 1-2 accumulator, which plays a crucial role in the smooth and firm engagement of the first and second gears. A thorough understanding of the 4L60E 1-2 accumulator diagram is therefore vital for both diagnosing transmission issues and appreciating the design principles underpinning this prevalent automatic transmission. This analysis will critically examine the 4L60E 1-2 accumulator diagram, exploring its function, impact on shift quality, common failure points, and its relevance in the context of modern transmission design trends.

The 4L60E 1-2 Accumulator: Function and Operation

The 4L60E 1-2 accumulator diagram illustrates the hydraulic circuit responsible for the quick and firm engagement of first and second gears. This accumulator stores hydraulic energy, acting as a reservoir that provides a rapid surge of pressure when the transmission shifts from first to second gear. This stored energy compensates for the inherent lag in the hydraulic system, ensuring a smooth transition and preventing harsh shifts. Analyzing the diagram reveals the interplay of several components: the accumulator piston, the accumulator spring, the hydraulic lines connecting to the

valve body, and the various valves regulating the flow of hydraulic fluid. The precise arrangement and dimensions depicted in the 4L60E 1-2 accumulator diagram are crucial for optimizing pressure buildup and release times. A malfunction in any part of this circuit, clearly highlighted in the diagram, will directly affect shift quality and potentially lead to transmission failure.

Impact on Shift Quality and Transmission Performance

The efficiency portrayed in the 4L60E 1-2 accumulator diagram directly translates to the on-road driving experience. A properly functioning 1-2 accumulator ensures quick, firm, and smooth transitions between first and second gear. This contributes significantly to overall driving comfort and vehicle performance. Conversely, problems with the accumulator, as readily diagnosed using the 4L60E 1-2 accumulator diagram, often manifest as harsh shifts, delayed engagement, or even complete failure to shift. These issues can significantly impact fuel efficiency and vehicle drivability. The diagram allows mechanics and engineers to pinpoint the source of these problems and implement effective repairs or preventative maintenance.

4L60E 1-2 Accumulator Diagram and Modern Transmission Trends

While the 4L60E represents older transmission technology, the principles illustrated in its 1-2 accumulator diagram remain relevant to modern automatic transmission design. Although modern transmissions often incorporate electronically controlled valve bodies and more sophisticated shift strategies, the fundamental need for hydraulic accumulators persists, albeit with refined designs and materials. The 4L60E 1-2 accumulator diagram serves as a valuable teaching tool, illustrating core hydraulic principles that continue to shape the development of more complex and efficient automatic transmissions. The study of the 4L60E's design, using the diagram as a guide, provides insight into the challenges of balancing smooth shifting with robust performance, a challenge still relevant in modern automated manual transmissions (AMTs) and continuously variable transmissions (CVTs).

Common Failure Points and Troubleshooting using the 4L60E 1-2 Accumulator Diagram

The 4L60E 1-2 accumulator diagram facilitates effective troubleshooting by visualizing potential failure points. Common problems include a worn-out accumulator piston, a weakened accumulator spring, or blockages in the hydraulic lines. By carefully examining the diagram, technicians can identify the specific component causing the issue and implement the necessary repair. For instance, a leak in a specific hydraulic line, clearly indicated on the diagram, can be isolated and repaired, preventing further damage to the transmission. This highlights the crucial role of the 4L60E 1-2 accumulator diagram in the diagnosis and repair of transmission problems, minimizing downtime and repair costs.

The 4L60E 1-2 Accumulator Diagram and its Importance in Preventive Maintenance

Proactive maintenance, guided by a clear understanding of the 4L60E 1-2 accumulator diagram, can significantly extend the lifespan of the transmission. Regular inspections of the accumulator and its associated components, informed by the diagram's layout, can help identify potential issues before they escalate into major failures. This preventive approach is cost-effective and ensures optimal transmission performance over the vehicle's lifetime. A well-maintained accumulator, as shown in the diagram, significantly reduces the risk of costly repairs and premature transmission failure.

Conclusion

The 4L60E 1-2 accumulator diagram is far more than a simple schematic; it's a crucial tool for understanding, troubleshooting, and maintaining a widely used automatic transmission. Its detailed representation of the hydraulic circuit responsible for first-to-second gear shifts offers valuable insights into both the functionality and potential failure points of this critical component. While technology continues to evolve, the fundamental principles illustrated in the diagram remain essential for anyone working with automatic transmissions, highlighting its enduring relevance in the field of automotive engineering. Understanding the diagram's intricacies contributes directly to improved shift quality, enhanced vehicle performance, and cost-effective maintenance strategies.

FAQs

1. What is the function of the accumulator spring in the 4L60E 1-2 accumulator? The accumulator spring provides the necessary force to charge the accumulator and ensure a rapid release of hydraulic pressure during the 1-2 shift.
2. How does a faulty 4L60E 1-2 accumulator affect fuel economy? A malfunctioning accumulator can lead to harsh shifts and inefficient gear engagement, resulting in reduced fuel economy.
3. Can I replace the 4L60E 1-2 accumulator myself? While possible, it's a complex process requiring specialized tools and knowledge. It is generally recommended to have this repair done by a qualified mechanic.
4. What are the common symptoms of a bad 4L60E 1-2 accumulator? Symptoms include harsh 1-2 shifts, delayed engagement, slipping, and potential inability to shift into second gear.
5. How often should I inspect the 4L60E 1-2 accumulator? Regular inspection as part of routine transmission maintenance is recommended, ideally during every fluid change.
6. What type of fluid is used in the 4L60E transmission? Dexron-compatible automatic transmission

fluid is required.

7. Is the 4L60E 1-2 accumulator diagram the same for all 4L60E transmissions? While the basic principles are the same, minor variations may exist across different model years and vehicle applications.

8. How can I find a reliable 4L60E 1-2 accumulator diagram? Reliable diagrams can be found in factory service manuals or specialized automotive repair resources.

9. What is the cost of replacing a 4L60E 1-2 accumulator? The cost varies depending on labor rates and the cost of the replacement part.

Related Articles:

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Understanding the 4L60E 1-2 Accumulator Diagram: A Comprehensive Guide

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specializing in GM automatic transmissions, including extensive work on the 4L60E.

Publisher: TransmissionTech Publications, a leading publisher of automotive repair manuals and technical guides specializing in transmission systems.

Editor: Dr. Emily Carter, PhD in Mechanical Engineering with a focus on fluid dynamics and automotive transmission systems.

Keywords: 4L60E 1-2 accumulator diagram, 4L60E transmission, 1-2 shift, accumulator piston, 4L60E repair, automatic transmission, hydraulic system, GM transmission, 4L60E troubleshooting, shift problems, 4l60e accumulator spring, 4l60e accumulator pressure

Abstract: This article provides a detailed explanation of the 4L60E 1-2 accumulator diagram, a critical component in the smooth operation of this widely used automatic transmission. We explore the function of the accumulator, its role in the 1-2 shift, common issues, and troubleshooting methodologies. We will examine various approaches to understanding the diagram, including visual interpretation, schematic analysis, and practical application within the context of repair and maintenance.

1. Introduction to the 4L60E Transmission and its Hydraulic System

The 4L60E is a four-speed automatic transmission found in numerous General Motors vehicles. Its smooth operation relies heavily on a sophisticated hydraulic system, which utilizes various components to control fluid pressure and direct it to the appropriate clutch packs for gear changes. Central to this system is the accumulator, a crucial element in ensuring a firm and timely 1-2 shift. Understanding the 4L60E 1-2 accumulator diagram is essential for anyone involved in diagnosing and repairing this transmission.

2. The Role of the Accumulator in the 4L60E

The accumulator, specifically the 1-2 accumulator, acts as a pressure reservoir within the hydraulic system. It stores pressurized fluid, which is released rapidly to assist with the engagement of the 1-2 clutch pack. This stored energy helps to provide a smoother and faster shift, preventing harsh engagement or slipping. The accumulator's spring and piston design are critical to this function. A weak spring or damaged piston can significantly affect the 1-2 shift quality. The 4L60E 1-2 accumulator diagram visually represents this system, showing the flow of fluid and the interaction of components.

3. Deciphering the 4L60E 1-2 Accumulator Diagram: A Step-by-Step Approach

The 4L60E 1-2 accumulator diagram is typically found in factory service manuals or specialized transmission repair guides. It presents a schematic representation of the hydraulic pathways related to the 1-2 shift.

Understanding the Components: The diagram will show the:

1-2 Accumulator: This is the central component, often depicted as a cylinder with a piston and spring.

Accumulator Spring: Provides the force to store and release hydraulic pressure.

Accumulator Piston: Moves in response to pressure changes, controlling fluid flow.

Shift Valves: Control the direction and flow of hydraulic fluid to the clutch packs.

Hydraulic Lines: Show the pathways of hydraulic fluid throughout the system.

1-2 Clutch Pack: The clutch pack responsible for engaging second gear.

Pressure Regulator: Controls system pressure.

Tracing Fluid Flow: By following the lines on the 4L60E 1-2 accumulator diagram, you can trace how hydraulic pressure is built up, stored in the accumulator, and then rapidly released to engage the 1-2 clutch pack during a shift. This involves understanding the operation of the various shift valves and their role in directing fluid flow.

4. Common Problems Indicated by the 4L60E 1-2 Accumulator Diagram Analysis

Analyzing the 4L60E 1-2 accumulator diagram in conjunction with troubleshooting symptoms can help pinpoint specific problems. Common issues often reflected in the diagram's context include:

Weak 1-2 Shift: A weak spring or a leak in the accumulator system, as illustrated in the diagram, can result in a delayed or sluggish 1-2 shift.

Harsh 1-2 Shift: A malfunctioning accumulator, perhaps a sticking piston or a problem with the valve body, can lead to a harsh engagement. The diagram helps trace where the malfunction lies.

1-2 Slip: Again, a problem with the accumulator's ability to build and release pressure, as depicted in the diagram, can manifest as slippage during the 1-2 shift.

No 1-2 Shift: This severe issue often points to a major problem in the accumulator circuit, a blockage in a line visible in the 4L60E 1-2 accumulator diagram, or a failure of a key component.

5. Troubleshooting Techniques Utilizing the 4L60E 1-2 Accumulator Diagram

Troubleshooting involves using the diagram to guide your testing and inspection process. This might include:

Visual Inspection: Carefully inspect the accumulator and its components for any signs of damage or wear, referring to the 4L60E 1-2 accumulator diagram to pinpoint the location of each part.

Pressure Testing: Using a pressure gauge, test the hydraulic pressure within the accumulator circuit. This helps identify pressure leaks or insufficient pressure build-up, as predicted by the

diagram.

Line Testing: Check for blockages or leaks in the hydraulic lines shown on the diagram.

Valve Body Inspection: Inspect the shift valves controlling fluid flow to the 1-2 accumulator, as shown on the diagram.

6. Repairing and Replacing the 1-2 Accumulator

Based on your diagnosis guided by the 4L60E 1-2 accumulator diagram, you might need to repair or replace the accumulator itself. This often involves removing the valve body and carefully disassembling the accumulator to inspect and replace the piston or spring. Refer to the appropriate service manual for detailed instructions.

7. Advanced Diagnostics and Specialized Tools

For advanced diagnostics, specialized tools like pressure transducers and scan tools can be used to monitor pressure within the system in real-time, correlating the data with the 4L60E 1-2 accumulator diagram to isolate the root cause of the problem.

8. Preventive Maintenance

Regular fluid and filter changes are crucial for maintaining the health of the 4L60E transmission, including the accumulator. Following recommended service intervals will help prevent premature wear and extend the life of the transmission components.

Conclusion:

The 4L60E 1-2 accumulator diagram is an invaluable tool for understanding the hydraulic operation of this common automatic transmission. By carefully studying the diagram and utilizing the troubleshooting techniques outlined, technicians can accurately diagnose and repair issues related to the 1-2 shift, ensuring smooth and reliable transmission performance. This comprehensive understanding improves repair efficiency and reduces downtime.

FAQs:

1. What is the function of the accumulator spring in the 4L60E 1-2 accumulator? The accumulator spring stores potential energy, allowing for rapid release of fluid pressure to smoothly engage the 1-2 clutch pack.
2. How can I identify a faulty 1-2 accumulator? Symptoms include a weak, harsh, or slipping 1-2 shift. Pressure testing can confirm a problem.

3. Can I replace the 1-2 accumulator myself? It's possible, but requires experience with automatic transmissions and specialized tools. Consult a service manual.
4. What are the consequences of a malfunctioning 1-2 accumulator? Damage to the clutch pack, increased wear and tear, and potential transmission failure.
5. How often should I replace the transmission fluid? Follow the manufacturer's recommended service intervals, typically every 30,000-60,000 miles.
6. What is the cost of replacing a 4L60E 1-2 accumulator? The cost varies depending on parts and labor costs.
7. Are there different types of 4L60E accumulators? Yes, different revisions of the 4L60E might have slight variations in the accumulator design.
8. Where can I find a 4L60E 1-2 accumulator diagram? Factory service manuals, online repair manuals, and specialized transmission repair guides.
9. Can I use a generic accumulator in place of the original 4L60E part? It is not recommended; always use an OEM or high-quality replacement part specifically designed for the 4L60E.

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4L60e 1 2 accumulator diagram: GM Turbo 350 Transmissions Cliff Ruggles, 2015-07-15

Although not quite the stout heavy-duty performer as its big brother, the Turbo 400, the Turbo 350 transmission is a fine, durable, capable, and when modified, stout performer in its own right. Millions of GM cars and trucks have been built with Turbo 350 automatic transmissions. There always comes a time when the old transmission shows signs of wear. At some point, even the best transmissions need to be rebuilt. In *GM Turbo 350 Transmissions: How to Rebuild & Modify*, respected automotive technical author Cliff Ruggles guides you through the complex rebuild procedure of GM's popular rear-wheel-drive automatic transmission. With his proven style, Ruggles goes through the step-by-step rebuild and performance upgrade procedures in a series of full-color photos. He includes instruction on removal and installation, tear-down procedures, parts inspection and replacement, as well as performance mods and shift kit installation. Time-saving tips are part of every buildup as well. Automatic transmissions are a mystery to most. Even if you end up deciding to have a professional take care of your transmission repair and performance needs, the information contained in this book is crucial to understanding how the power gets from the engine to the road. Add a copy of *GM Turbo 350: How to Rebuild & Modify* to your automotive library today.

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engines: spark-ignition gasoline, compression-ignition diesel, and hybrid. According to its estimates, adopting the full combination of improved technologies in medium and large cars and pickup trucks with spark-ignition engines could reduce fuel consumption by 29 percent at an additional cost of \$2,200 to the consumer. Replacing spark-ignition engines with diesel engines and components would yield fuel savings of about 37 percent at an added cost of approximately \$5,900 per vehicle, and replacing spark-ignition engines with hybrid engines and components would reduce fuel consumption by 43 percent at an increase of \$6,000 per vehicle. The book focuses on fuel consumption-the amount of fuel consumed in a given driving distance-because energy savings are directly related to the amount of fuel used. In contrast, fuel economy measures how far a vehicle will travel with a gallon of fuel. Because fuel consumption data indicate money saved on fuel purchases and reductions in carbon dioxide emissions, the book finds that vehicle stickers should provide consumers with fuel consumption data in addition to fuel economy information.

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out of an Iowa cornfield in the movie *Field of Dreams*. But come Brady did. At age forty-three, pushing the boundaries of football mortality and without Bill Belichick by his side for the first time in his NFL career, this would be the ultimate test for the ultimate football legacy. Brady's new coach, Bruce Arians, also had much to prove. One of the great offensive minds of his generation, Arians returned to coaching in 2018, at the age of 65, in search of the one achievement that had eluded him throughout his illustrious career: a Super Bowl championship. Together, like so many aged snowbirds, Brady and Arians had decamped to Florida to make the most of their remaining years. Renowned sports journalist Lars Anderson was granted extraordinary access to the inner workings of the Bucs' organization. The result is a remarkable work of sports journalism, peppered with wild inside stories and new insights into Brady, Arians, and the Bucs. From the practice facility to the team plane, from the garage where Brady treats his footballs to the huddle on gameday, Anderson captures the rhythms of perhaps the strangest NFL season ever, turned upside down by the COVID-19 pandemic. In his telling, the Bucs' quest for one glorious season in the sun becomes a riveting sports epic.

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icon. Dave McLellan belongs to a select group by having been the second of only three Corvette Chief Engineers to date. He is also the very first Corvette Chief Engineer to sit down and write his view of the incredible story of America's foremost sports car. In *Corvette from the Inside* Dave McLellan talks about his years at the center of Corvette Engineering, his take on Corvette history and many of the details that have made the Corvette a perennial favorite with millions of Americans. As McLellan describes the incredible highs and lows in the life of the Corvette, he also paints the bigger picture of the American auto industry's ability to rebuild itself whenever its survival is threatened. McLellan uses every tool at his disposal to tell his story, including original sketches and charts drawn by him exclusively for this book, scores of archival photos from GM, photos from his personal collection, and of course his own first-hand memories of 32 years at General Motors. Whether you're interested in the Corvette from an engineering perspective or simply a fan of the celebrated sports car, you'll want to own a copy of Dave McLellan's *Corvette from the Inside*.

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4160e 1 2 accumulator diagram: *How to Build a Boat* Jonathan Gornall, 2019-05-07 Part ode to building something with one's hands in the modern age, part celebration of the beauty and function of boats, and part moving father-daughter story, *How to Build a Boat* is a bold adventure. Once an essential skill, the ability to build a clinker boat, first innovated by the Vikings, can seem incomprehensible today. Yet it was the clinker, with its overlapping planks, that afforded us access to the oceans, and its construction has become a lost art that calls to the do-it-yourselfer in all of us. John Gornall heard the call. A thoroughly unskilled modern man, Gornall set out to build a traditional wooden boat as a gift for his newborn daughter. It was, he recognized, a ridiculously quixotic challenge for a man who knew little about woodworking and even less about boat-building. He wasn't even sure what type of wood he should use, the tools he'd need, or where on earth he'd build the boat. He had much to consider...and even more to learn. But, undaunted, he embarked on a voyage of rediscovery, determined to navigate his way back to a time when we could fashion our future and leave our mark on history using only time-honored skills and the materials at hand. His journey began in East Anglia, on England's rocky eastern coast. If all went according to plan, it would end with a great adventure, as father and daughter cast off together for a voyage of discovery that neither would forget, and both would treasure until the end of their days. *How to Build a Boat* celebrates the art of boat-building, the simple pleasures of working with your hands, and the aspirations and glory of new fatherhood. John Gornall "tells the inspiring story of how even the least skilled of us can make something wonderful if we invest enough time and love" (*The Daily Mail*) and taps into the allure of an ancient craft, interpreting it in a modern way, as tribute to the generations yet to come. "Both the book, and place, are magical" (*The Sunday Telegraph*).

4160e 1 2 accumulator diagram: *It's Called Work for a Reason!* Larry Winget, 2007 Most business books on the market today stroke people's egos by telling them what they want to hear and by reinforcing what they already know. Larry Winget makes the case that poor results in the workplace are the result of apathy and poor performance. He points the finger of blame exactly

where it needs to be pointed: the face of the reader.

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4160e 1 2 accumulator diagram: *High-Performance Automotive Cooling Systems* John F. Kershaw, 2019-06-15 When considering how well modern cars perform in many areas, it is easy to forget some of the issues motorists had on a regular basis 40+ years ago. Cars needed maintenance regularly: plugs and points had to be replaced on a frequent basis, the expected engine life was 100,000 miles rather than double and triple the expectation that you see today, and an everyday hassle, especially in warm climates, was being the victim of an overheating car. It was not uncommon on a hot day to see cars stuck in traffic, spewing coolant onto the ground with the hoods up in a desperate attempt to cool off. Fast-forward to today, and it's easy to forget that modern cars even have coolant. The temp needle moves to where it is supposed to be and never moves again until you shut the car off. For drivers of vintage cars, this level of reliability is also attainable. In *High-Performance Automotive Cooling Systems*, author Dr. John Kershaw explains the basics of a cooling system operation, provides an examination of coolant and radiator options, explains how to manage coolant speed through your engine and why it is important, examines how to manage airflow through your radiator, takes a thorough look at cooling fans, and finally uses all this information in the testing and installation of all these components. Muscle cars and hot rod engines today are pushed to the limit with stroker kits and power adders straining the capabilities of your cooling system to extremes never seen before. Whether you are a fan of modern performance cars or a fan of more modern performance in vintage cars, this book will help you build a robust cooling system to match today's horsepower demands and help you keep your cool.

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4160e 1 2 accumulator diagram: *How to Build High-Performance Chevy LS1/LS6 V-8s* Will Handzel, 2008 This new color edition is essential for the enthusiast who wants to get the most performance out of this new engine design but is only familiar with the older Chevy small-blocks. Covered is everything you need to know about these engines, including the difficult engine removal and installation, simple engine bolt-ons, electronic controls for the Generation III engine, and detailed engine builds at four different power levels.

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4160e 1 2 accumulator diagram: *FORTAN 77* Gordon Bitter Davis, Thomas Russell Hoffmann, 1988

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Mitchell, 1999-10 For courses in Automotive Brake Systems or Chassis Systems in colleges or proprietary schools. Unlike other books which seem to offer little more than service manual material Automotive Brake Systems reflects Halderman's real world experience. It offers complete coverage of the parts, operation, design, and troubleshooting of brake systems, and answers the why's along with the how's.

4160e 1 2 accumulator diagram: I Want You Paper Company, 2019-10-22 This Notebook Makes a wonderful day to day notebook to write, take notes, make lists, and more This is a simple and durable all round notebook. There is plenty of room inside for writing notes, investigation, memories, lists, school notes, and even shopping lists. It can be used as a notebook, journal, diary, or composition book. This paperback notebook is 6 x 9 in / 2 with a soft, matte cover and has 120 lined pages. Perfect for all ages -- kids or adults! Wonderful as a gift, present, or personal notebook! About this notebook: 120 ruled pages Ruled on both sides with thin gray lines Perfect for teachers, busy moms, workshops, school, home school, college High-quality matte cover for a professional finish Perfect size at 6 x 9 inch perfect for your school class! - french German Spanish music drama design Business math science English history social geography PE ethics psychology art chemistry

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5. 1-2 Accumulator Valve Shim Installation a. Reuse OE accumulator valve spring. b. Install shim into sleeve pocket, beveled side down. This can be done by removing the accumulator valve or ...

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Remove OE piston and spring from 1-2 or 3-4 accumulator bore. Discard piston, save spring for reuse. NOTE: Some aftermarket shift kit springs do not fit properly into Sonnax pistons.

4L60-E Overhaul Procedures

Inspect the 2-4 servo bore, the 3rd accumulator retainer and ball assembly (40), the orifice cup plug (11) in the servo bore, and the 2nd apply piston pin bore for any of the following conditions:

4L60-E, 4L65-E Heavy Duty Remanufactured - Summit Racing ...

f. Install Sonnax 1-2 outer accumulator spring into the 1-2 accumulator housing. Install OE inner spring then install OE piston and seal with spring pocket toward the springs (Figure 4). g. ...

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Calibration update was released for the 2006-08 applications designed to address 1-2 hard shift concerns. This updated calibration allows for an increase in the shift adaptive learning ...

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Installation Instructions SHIFT IMPROVER KIT - Holley.com

B&M's 4L60E Shift Improver Kit was designed to provide firm positive shift quality and improve transmission durability in original vehicle installations and those with moderate engine power ...

PERFORMANCE - JEGS High Performance

4L60-E, 4L65-E Heavy Duty Remanufactured Valve Body

Install Sonnax 3-4 accumulator spring into 4L60-E case after the OE accumulator piston and pin are installed (Figure 4). NOTE: This will provide a 'stock' shift feel for previously modified ...

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5. 1-2 Accumulator Valve Shim Installation a. Reuse OE accumulator valve spring. b. Install shim

into sleeve pocket, beveled side down. This can be done by removing the accumulator valve or ...

4L60E-HD2-D - JEGS High Performance

GM 4L60-E, 4L65-E, 4L70-E Pinless Forward Accumulator ...

2. Installation a. Clean and inspect the bore. b. Plug the pin bore in bottom of accumulator bore by installing both the Sonnax balls (Figure 1). Lightly stake the pin bore after pressing in the balls. ...

4L60E common problems - Just Commodores

Middle case: leak in the 2nd gear apply circuit (servo assembly or 1-2 accumulator). Double check by using the pressure gauge and watch for a big drop when the PCM commands 2nd gear. ...

GM 200-4R, 4L60, 4L60-E Accumulator Valve Train Kit

1. Disassembly a. Remove and discard OE accumulator sleeve, plug, valve and spring from valve body. b. Save OE roll pin for reuse. 2. Installation & Assembly a. Lube all Sonnax parts. b. ...

4L60-E, 4L65-E Heavy Duty Remanufactured Valve Body

g. Install OE small stiffener plate, bolts and the 1-2 accumulator housing assembly. Torque bolts to 100 in-lb. h. Install six .250" checkballs into the locations (Figure 6). i. Remove the two ...

S C KIT - d2q1ebiaq300ih.cloudfront.net

Scuff the accumulator(s) and servo bore with Red ScotchBrite™. A stiff wire or rod wrapped with material can be spun in a drill. Note: Viton ® seals require a surface that retains fluid to ensure

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Take a look at diagram and see if pressure is pushing the spring with piston on shift or releasing the spring tension on the piston ...

Page 1 PRODUCTSPRODUCTS TH700-R4 / 4L60E AUTOMATIC T...

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