

Volume 4

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Take it to the EDGE!

The EDGE™ is the combination of the Hendrickson heavy-duty HI-TORQUE™ shock and height control valve system. Together they perform Efficient Driveline GEometry. The EDGE is available for use on Hendrickson's HAS™ air suspension for vehicles with high torque engines.

- The HI-TORQUE shock contains a patented rebound spring inside, which limits rapid shock extension during acceleration. HI-TORQUE shocks control torque induced frame rise and help to reduce driveline vibration. HI-TORQUE shocks provide increased carrying capacity

and longer life, and they function as traditional shock absorbers to deliver a smooth, high-quality ride.

Replacing a HI-TORQUE shock with a non HI-TORQUE shock, will cause premature wear and have adverse effects on all other driveline and suspension components.

- The Hendrickson height control valve system (kit number 57977-000) eliminates the need for a separate quick release dump



valve. A zero delay minimum dead band height control valve offers consistent, repeatable operation for precise ride height control. The valve reacts quickly to changes in suspension ride height due to load changes and uneven road surfaces, helping to maintain proper driveline angles.

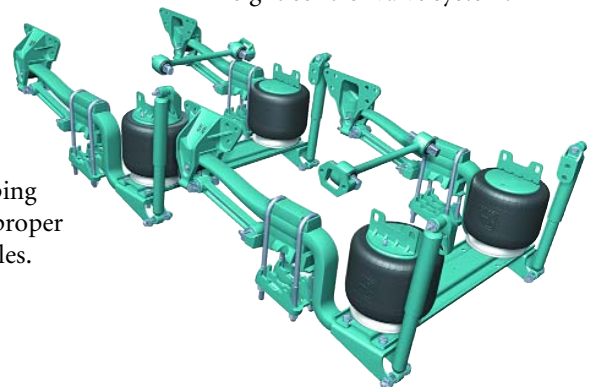
Installation Tip:

When replacing an existing shock with a HI-TORQUE shock it will appear that the new replacement shock is too short. Human strength can not overcome the spring force when trying to extend the HI-TORQUE shock while the suspension system is at ride height, therefore the vehicle must do the extending.

1. Exhaust the air from the air system.
2. Install the new shock compressed.
3. Air up the suspension to the proper ride height.
4. The shock will extend with the vehicle doing the extension.

Refer to Hendrickson Technical Publication **17730-212**, **17730-224** and **17730-222**.

Remember: Take it to the EDGE with Hendrickson's HAS HI-TORQUE shocks and height control valve system.



Getting Back to the Saddle!

Hendrickson has made a change to the RT™ Series saddles to further enhance durability and reduce weight. Because of these changes, we have released new casting part numbers, as shown in the matrix. The previous 7.19" saddle accommodated both the low spring stack, 5.25" to 7.0" (RT 403) and the high spring stack, 6.57" to 7.32"

(RT 463) spring assemblies. These new designs now have unique castings and part numbers for RT 403 and RT 463 with 7.19" saddles. The 6" saddles retain the same part number, but have new casting numbers. The casting number is located on the backside of the saddle. The extended leaf or RTE 403 (low spring stack height) and

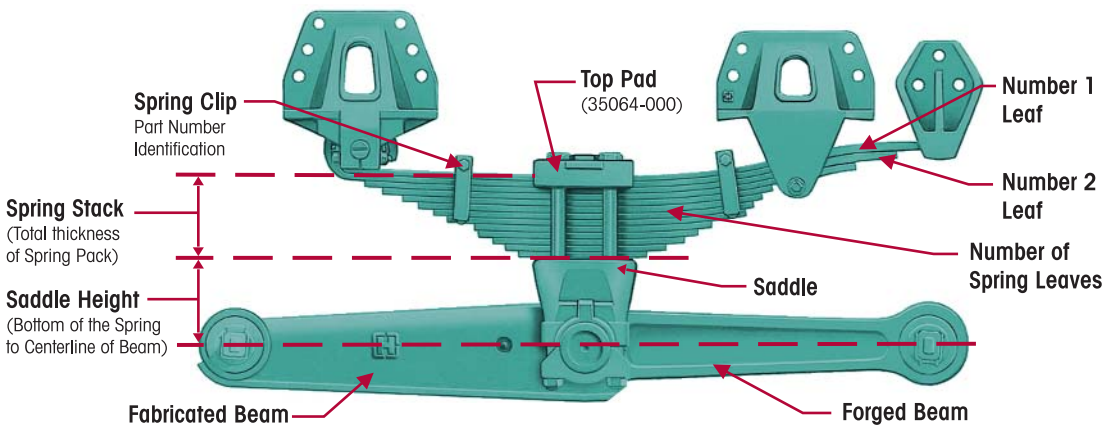
RTE 463 (high spring stack height) are also affected by this change.

- The current castings **must** be used with the **35064 top pad, casting number 47880**. The old castings are no longer available.

Refer to Hendrickson Technical Publication **17730-070**.

Remember: When Getting Back to the Saddle, use the current saddle with the correct mating components.

	Saddle Height	Previous Part No.	Old Casting	New Part No.	New Casting	Spring Stack
403 SERIES	6.00"	31017-022	42933-000	31017-022	57167	5.50" to 6.38"
403 SERIES	7.19"	31017-006	32102-001	31017-109	57143	5.25" to 7.0"
463 SERIES	6.00"	31017-096	45605-000	31017-096	57457	6.50" to 7.38"
463 SERIES	7.19"	31017-006	32102-001	31017-110	57155	6.57" to 7.32"



Now Let's Talk Springs

Please remember that effective April 1998:

- Hendrickson replaced suspension spring assemblies in production for the RT/RTE 400/460/480 and RT 520 with the springs listed in the matrix. The discontinued springs are obsolete and will no longer be available.
- Number 1 and 2 leaves are no longer available for the discontinued spring assembly part numbers.

It is recommended that the complete spring assembly be replaced as listed in the matrix.

Discontinued Model Suspension	Discontinued Spring Number	Number of Spring Leaves	Current Model Suspension	Current Spring Number	Number of Spring Leaves
RT2-400	58179-000	7	RT-403	45027-000	10
RTE2-400	58252-000	7	RTE-403	45121-000	13
RT2-460	58847-000	8	RT-463	47057-000	12
RTE2-460/480	58195-000	9	RTE-463/483	45322-000	12
RT2-480/520	58251-000	9	RT-520	47057-000	12

The current springs further enhance performance in durability and handling in severe applications.

The current springs are completely interchangeable with the discontinued springs and do not have to be replaced in pairs.

Refer to Hendrickson Technical Publication **17730-070**.

Remember: When talking about RT/RTE spring replacements, use the current spring part numbers as reference above.

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Genuine Parts

There's only one way to ensure the suspension's original performance — ask for Hendrickson genuine parts by name.

Technical Publications

Technical publications are available on our website at www.hendrickson-intl.com

Technical Assistance

For Aftermarket Assistance visit our website at techservices@hendrickson-intl.com or call Aftermarket Toll-Free 1-877-611-8800

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