



## Spring Quality - You Have A Right To Know!

Bulletin #2050

Dayton Parts is committed to the goal of supplying springs which meet OEM quality standards. We feel it is important that both you and your customer know the importance of meeting OEM quality standards. In the end, both you and your customer will suffer if your spring supplier is not committed to supplying quality springs.

Unfortunately, it is difficult for you and your customer to check all aspects of spring quality. For example, steel quality and proper heat treatment cannot be checked without sophisticated and expensive tests. However, the level of commitment to quality of your spring supplier can be checked by two simple tests:

Multileaf Springs - Are all leaves shot peened? (Not just the first 2 or 3.)

Full Taper Truck Springs - Do all leaves appear to have been stress peened? [1]

Some spring suppliers will omit these important manufacturing steps. Why? The answer is simple - cost. Shot and stress peen equipment is very expensive to operate.

Dayton Parts has and will continue to perform these costly manufacturing processes as part of our commitment to quality. Are your other spring suppliers following these OEM quality requirements? Ask them, you have a right to know.

	Dayton Parts	Triangle	Standens	MTC	Universal Impex
<b>Multileaf Springs</b>					
Main leaves shot peened?	Yes				
All leaves shot peened?	Yes				
<b>Full Taper Truck Springs</b>					
All leaves stress peened?	Yes				

[1] A shot peened and stress peened leaf looks identical to the eye. However, if a full taper leaf does not appear to be shot peened, it has definitely not been stress peened.

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**Dayton Parts, LLC** • PO Box 5795 • Harrisburg, PA 17110-0795 • 800-233-0899 • Fax 800-225-2159  
**DP/Batco Canada** • 12390 184th Ave. • Edmonton, Alberta T5V 0A5 • 800-661-9861 • Fax 888-207-9064

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Dayton Parts has available a technical bulletin concerning the use of shot peening:

### Shot Peening

#### Technical Bulletin #2046 - **Shot Peening and Spring Life**

This bulletin shows how shot peening all leaves as compared to not shot peening any can increase spring life by over three times. Also the difference between shot peening just the first two or three leaves and shot peening all leaves is discussed. Springs in which all leaves are shot peened lasted two and a half times longer than those with only the first three leaves shot peened.

Dayton Parts strongly believes in the value of shot peening all leaves. This process is required by OEM truck manufacturers. No matter how good a spring looks or where it was made, it does not meet the minimum OEM quality requirement if it's not shot peened. The reputation of the entire spring aftermarket depends on each supplier holding to the goal of offering only the highest quality products.

Look at the quality issue from a truck owner's perspective: If the truck owner knew that choosing a shot peened spring could increase his spring life by a factor of three, which spring would he choose? The choice is obvious.

Sincerely,



James A. Musser  
Product Manager/Springs

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