

The Top 10 Brake
Service Mistakes
- Which Ones
Are You Guilty
Of?



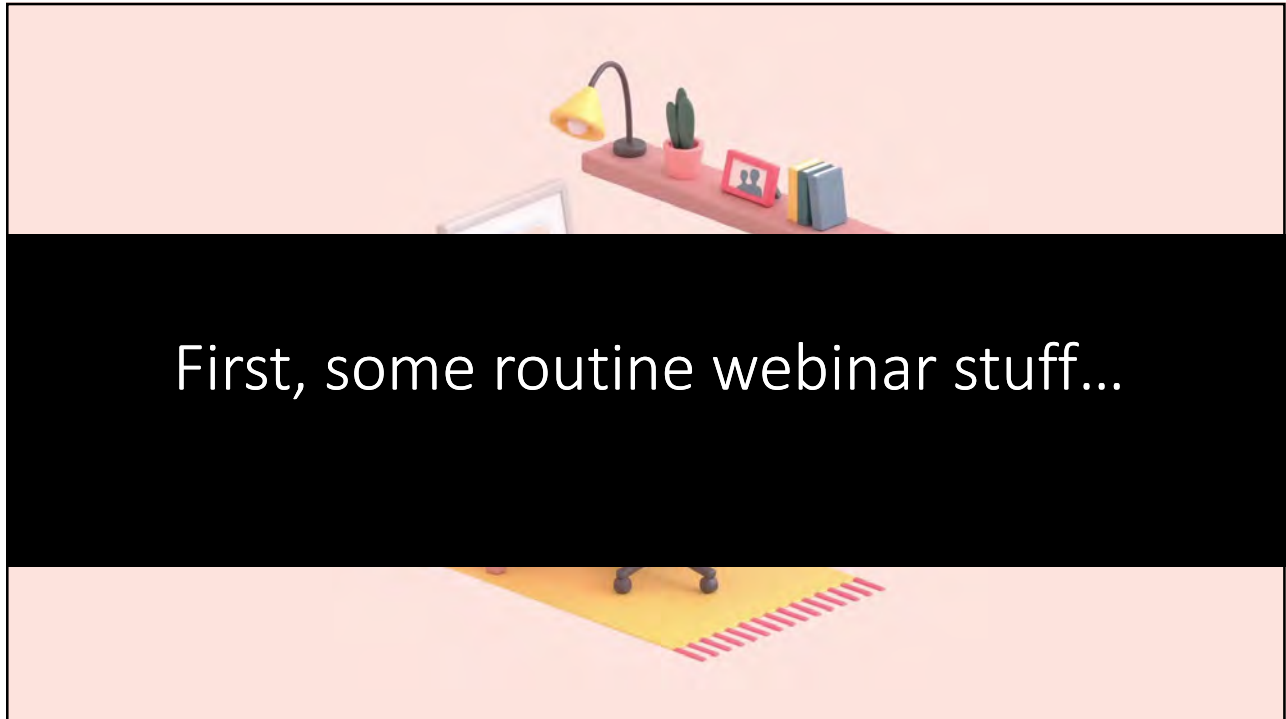
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The link to the handout should be above the player and/or on your account home screen

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The screenshot shows the Motor Age Training website. At the top, there is a navigation menu with links: HOME, LIVE EVENTS, WEBINARS, ONDEMAND TRAINING, ASE STUDY GUIDES, MAT CONNECT, and ABOUT US. Below the menu is a large orange banner with the text: "Don't forget to print out your certificate of completion!". To the right of the banner, there is a timestamp "03:36 PM". Below the banner is a course card for "Top 10 DTCs". The card includes a thumbnail image, the title "Top 10 DTCs", and the text: "LIVE AUGUST 28 at 7 p.m. EST - TST's G. Jerry Truglia and Motor Age's Pete Meier use on-vehicle demonstrations to help you apply a repeatable diagnostic process when solving challenging DTC issues in your bays." Below the text, it says "Sponsored by Snap-on". At the bottom of the card, there is a message: "You have passed this course! [Click here](#) to view your certificate of completion." The link "Click here" is highlighted with a blue box.

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The slide features a large orange semi-circle on the left side. Inside the semi-circle, the text reads: "You can also email us after with your questions and comments...". To the right of the semi-circle, there are two horizontal lines. Between the first line and the second line, the contact information for Pete is listed: "Pete:" followed by "pmeier@endeavorb2b.com". Below the second line, the contact information for G is listed: "G:" followed by "gt@tstseminars.org".

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Mistake #1 – Brake
Fluid Inspection



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True or False - A brake warning light that comes on and remains on means it's time to add fluid.

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All of the following are reasons for performing a brake fluid service EXCEPT:

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The screenshot shows the top portion of a website. At the top left is the logo for the Motorist Assurance Program, featuring a stylized car and the text "MOTORIST ASSURANCE PROGRAM" and "BUILDING TRUST THROUGH STANDARDS". To the right of the logo is a navigation menu with the following items: HOME, WHO WE ARE, FIND MY SHOP, RECALL LOOKUP, EDUCATION, and RESOURCES. Below the navigation is a large banner image showing a hand holding a set of car keys in front of a car's headlight. Overlaid on the right side of the banner is the text "MAP Vision" in a large, bold font, followed by the tagline "A World In Which Every Motorist Trusts the Automotive M and Repair Industry". At the bottom of the banner, the question "Should fluid be serviced?" is displayed. In the bottom left corner of the banner, there is a "Translate »" button. In the bottom right corner, there are four small circles, the first of which is filled, indicating the current slide in a presentation.

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Mistake #2 – Failing To Put Electric Parking Brake System In Service Mode

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Which of the following statements is FALSE regarding Electronic Parking Brake systems?

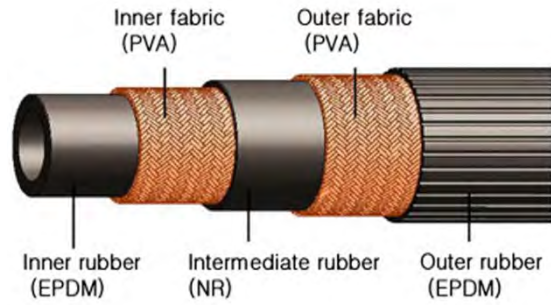
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Mistake #3 –
Hanging The
Caliper By The
Hose



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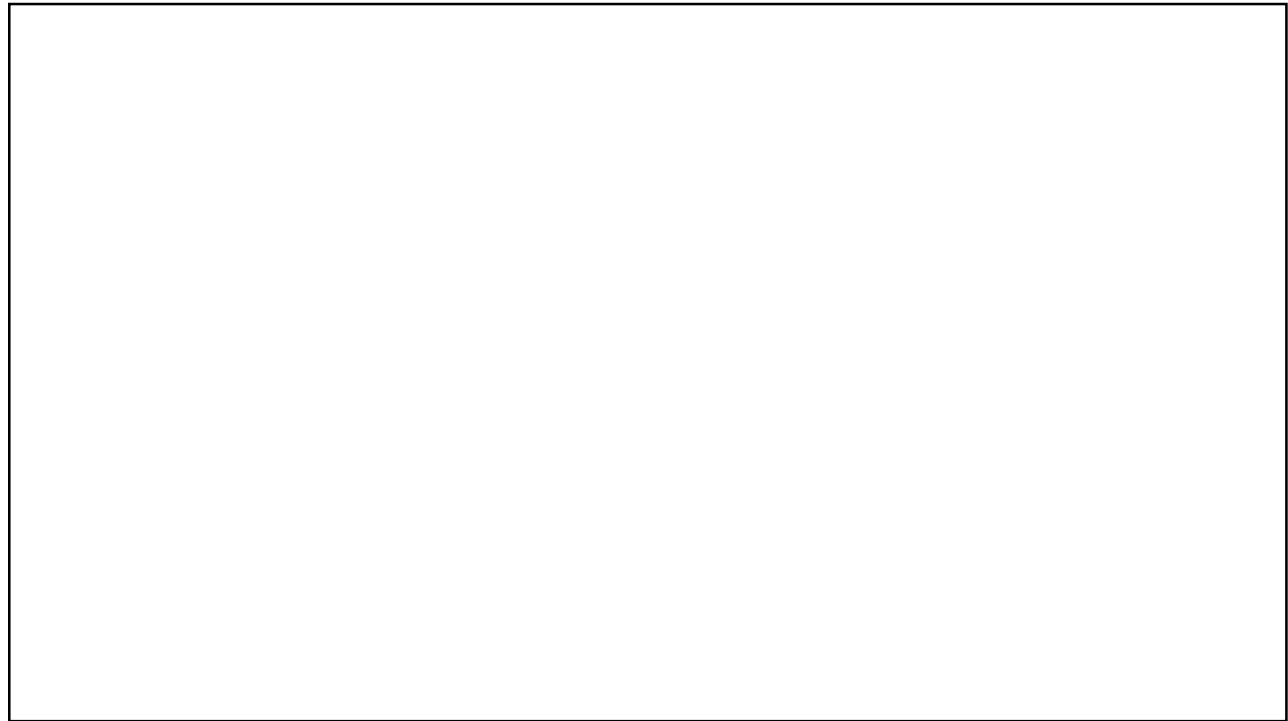
Brake Line Construction

17

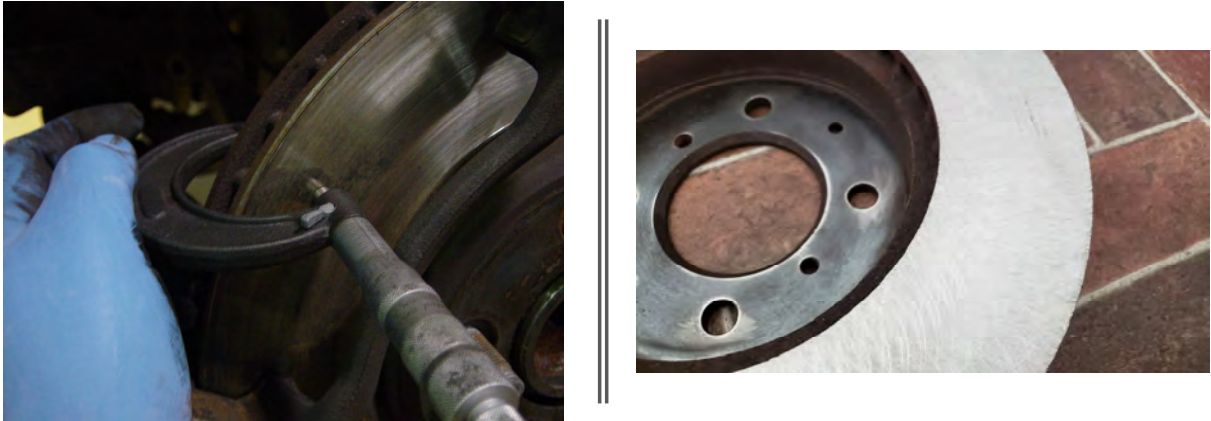
Mistake #4 –
Improper Rotor
Service



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Rotor Inspection And Service

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Abrasive Friction

- The only force that is stopping the rotor from spinning is friction
- Generates great amounts of heat that can:
 - Soften the rotor
 - Breakdown pad material
 - Boil the brake fluid
 - Cause premature failure

Adhesive Friction

- A friction mechanism where a thin layer of brake pad material bonds to the surface of the rotor
- This transfer layer of brake pad material is what contacts the brake pad surface during the braking process.
- Easier on the brake system components – less generated heat

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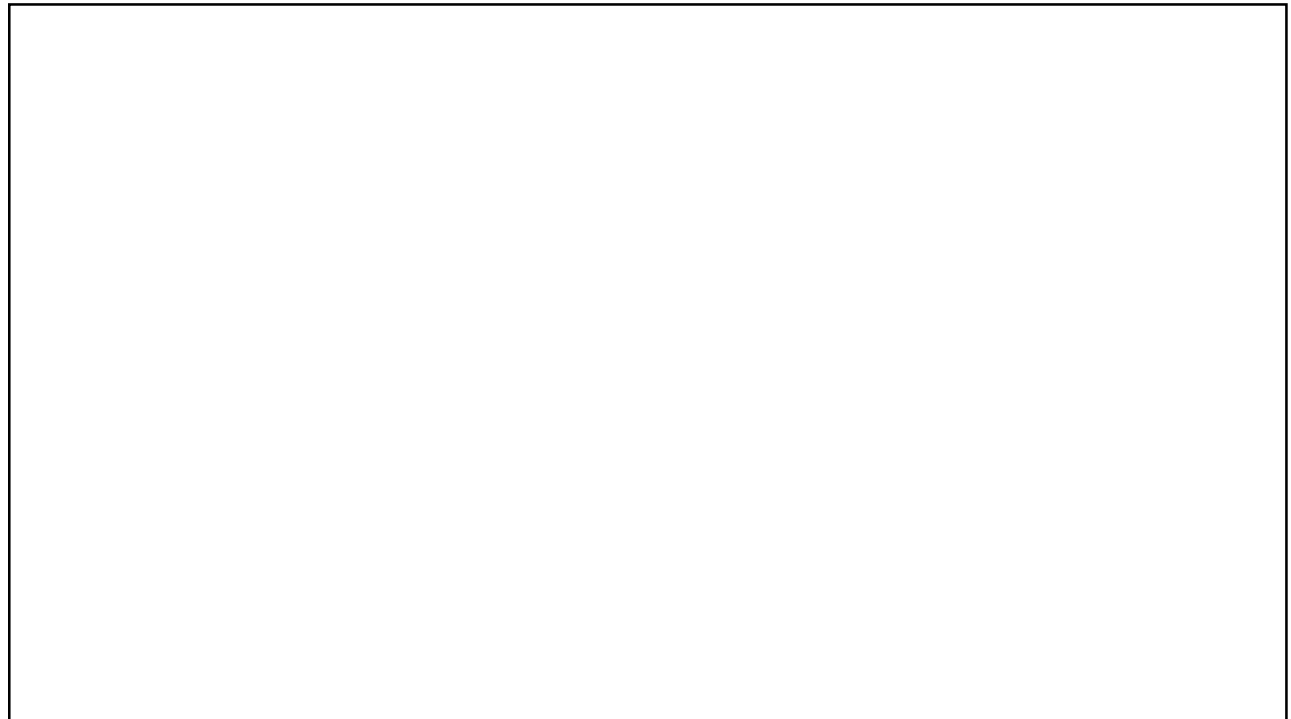
Bonus Tips! Avoiding Pedal Pulsation And Noise Complaints

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Mistake #5 – Not
Servicing The
Caliper Assembly



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Caliper Service Points

1

Inspect the caliper caliper piston boot for damage

2

Inspect the floating caliper guide pin boots for damage

3

Replace abutment clips and "squealers"

4

Always use caliper-specific grease.

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Mistake #6 –
Installing The Brake
Pads Backwards



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Mistake #7 – Not
Lubricating The
Caliper Slide Pins



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Failure to service the guide pins is the
leading source of uneven pad wear.

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Mistake #8 –
Installing The Caliper
Upside Down

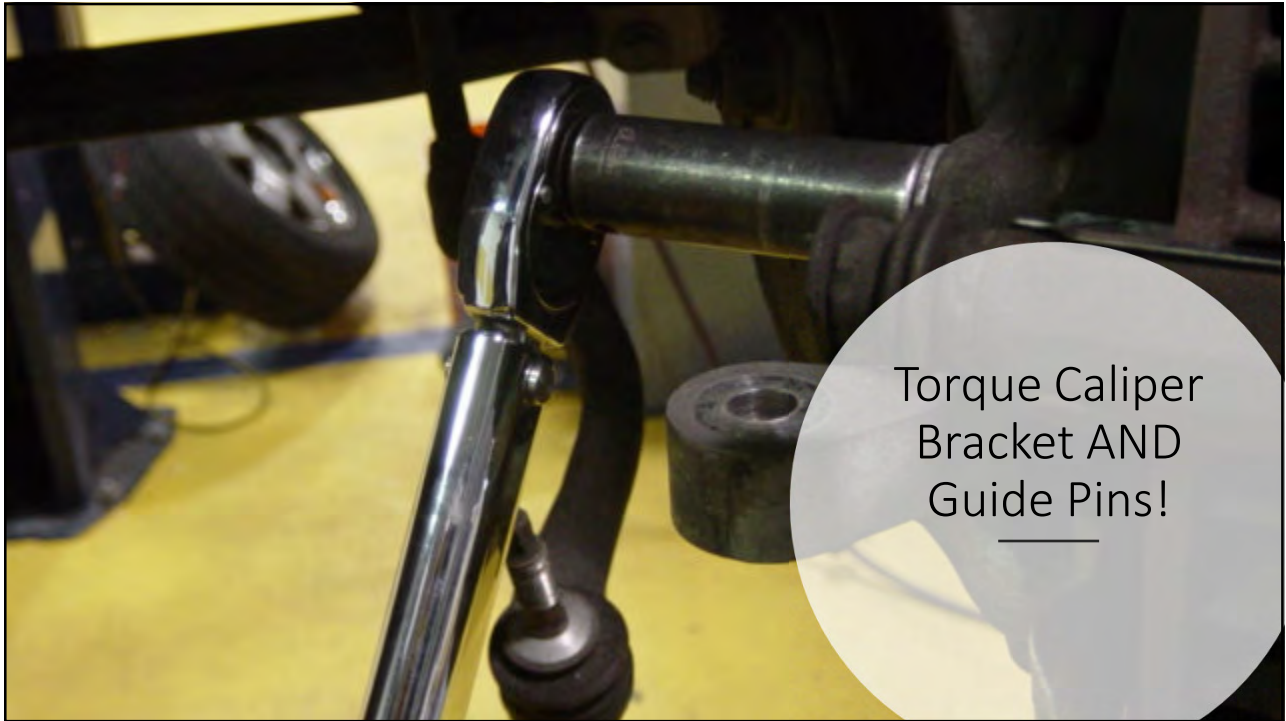


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Mistake #9 – Not
Torquing Critical
Fasteners




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As a general rule, aftermarket ceramic disc brake pads can replace any of the following EXCEPT:

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All of the following are TRUE statements about LOW COPPER brake pads EXCEPT:

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Mistake #10 – Not
Breaking In The
New Pads



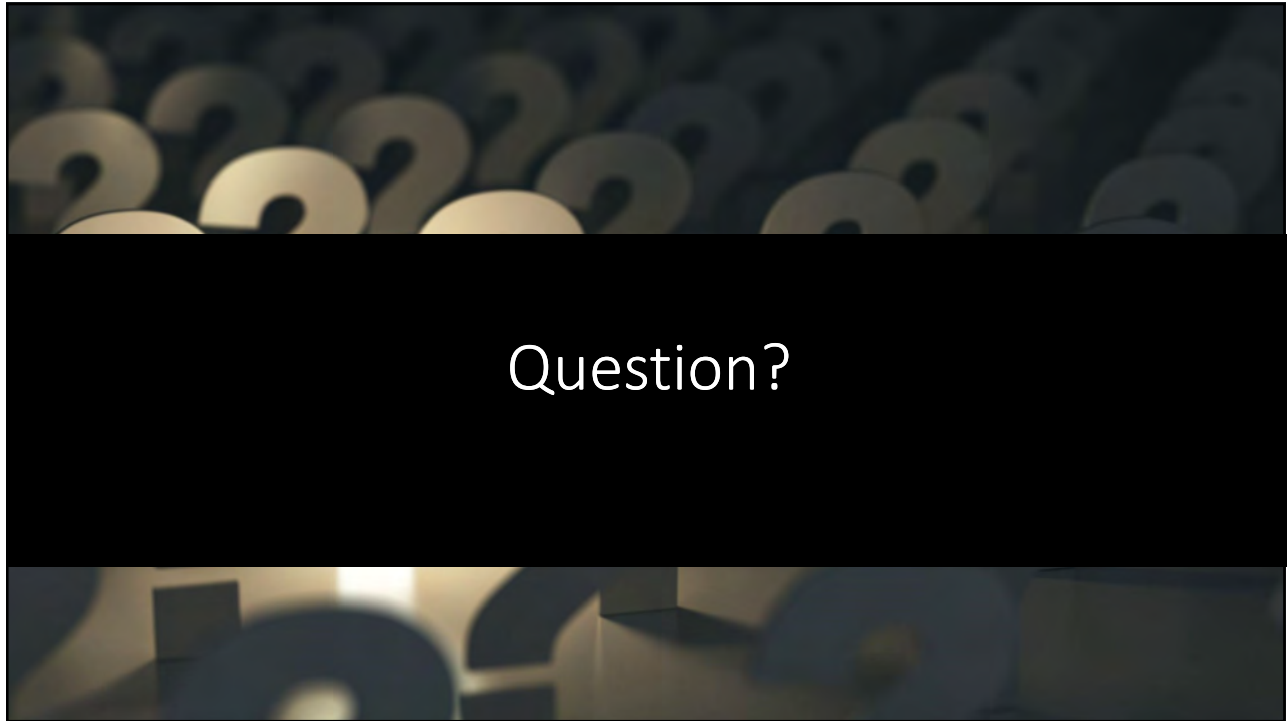
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Pad Break In (Prior To Customer Delivery)

- 30-30-30 procedure:
 - 30 gradual stops from 30 mph with 30 seconds in between each stop so the brakes can cool before the next application.
- 60-20-10 procedure:
 - Gradually brake from 60 mph to 20 mph 10 times with moderate pedal pressure (without coming to a complete stop each time). After the last brake application, accelerate back up to 60 mph and drive for several minutes without braking so the brakes can cool.


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Thank You !




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