



FORD PERFORMANCE

M-2300-S 2005-2014 Mustang GT 14" Brake Upgrade Kit INSTRUCTION SHEET

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Please visit www.fordracingparts.com for the most current instruction information

!!! PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS CAREFULLY PRIOR TO INSTALLATION. AT ANY TIME YOU DO NOT UNDERSTAND THE INSTRUCTIONS, PLEASE CALL THE FORD PERFORMANCE TECHLINE AT 1-800-367-3788 !!!

OVERVIEW:

This kit is designed for use on the 2005-2014 Mustang GT. The use of a floor hoist is recommended. If you do not have access to one, use a hydraulic floor jack and jack stands to raise the vehicle.

!!! CAUTION: JACK STANDS MUST BE USED ON A LEVEL SURFACE AND BE SECURELY SEATED. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY OR VEHICLE DAMAGE !!!

KIT INCLUDES:

<u>Item #</u>	<u>Qty</u>	<u>Description</u>	<u>Part Number</u>
1	2	14" GT-500 Rotors	7R3Z-1125-AA
2	2	Brake Dust Shields	7R3Z-2K004-A
3	1	Brembo 4-Piston Caliper RF	7R3Z-2B120-A
4	1	Brembo 4-Piston Caliper LF	7R3Z-2B121-A
5	1	Performance Brakeline Kit	Goodridge 12364
6	1	Rear Brake Pad Kit	7R3Z-2200-A
7	4	Caliper Anchor Bolts	W710233-S439
8	6	Dust Shield to Knuckle Bolts	W500020-S439
9	4	Cable Ties	LCR-4340
Additional Service Parts		Front Brake Pad Kit	7R3Z-2001-A



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INSTALLATION INSTRUCTIONS:

NOTES: Fits 2005-2014 Mustang GT.
Kit will upgrade the front brakes to 2007 SVT Mustang Cobra 14" rotors and 4-piston calipers.
Includes 2007 SVT Mustang Cobra rear pads for use in stock Mustang GT rear calipers.
Includes Goodridge DOT four-piece hose kit and attaching parts.
Requires 18" M-1007-S1895, M-1007-S1895B wheels or equivalent for caliper clearance.
For vehicles with 16" or 17" wheels from the factory: installing 18" x 8.5" or 18" x 9.5" wheels, use steering stop 6R3Z-3932-CA.

REMOVAL OF PRODUCTION FRONT BRAKES:



Pic. 1



Pic. 2

STEP 1: Raise and safely support the vehicle with stands (see Pic. 1).

STEP 2: Remove front wheels (see Pic. 2).



Pic. 3



Pic. 4

STEP 3: Remove 10mm bolt from back of strut holding the brake line on (see Pic. 3).

STEP 4: Remove wheel speed sensor clips from brake line (see Pic. 4).

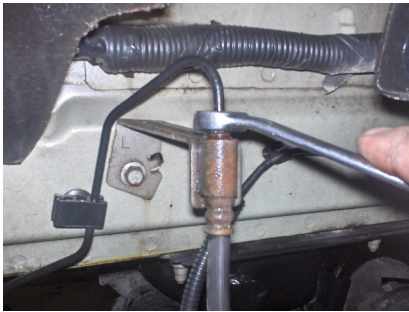
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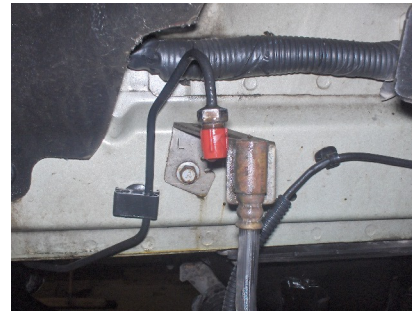
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Pic. 5



Pic. 6

STEP 5: Loosen brake hard line at frame rail with line wrench (cap off line) (see Pic. 5).

STEP 6: Remove 10mm bolt for brake line bracket from frame (see Pic. 6).



Pic. 7



Pic. 8

STEP 7: Remove two caliper bolts (see Pics. 7 and 8).



Pic. 9

STEP 8: Remove calipers with the production brake line (see Pic. 9).

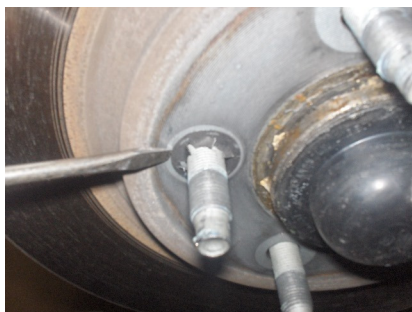
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Pic. 10



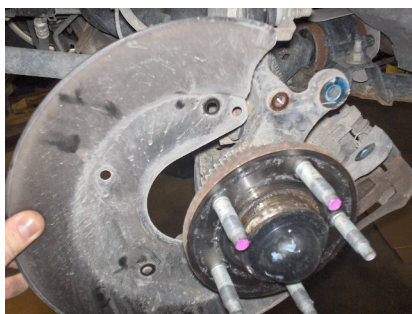
Pic. 11

STEP 9: Remove stock rotor (remove two small clips that hold rotor on) (see Pics. 10 and 11).



Pic. 12

STEP 10: Remove three 12mm backing plate bolts (see Pic. 12).



Pic. 13



Pic. 14

STEP 11: Remove backing plate (see Pics. 13 and 14).

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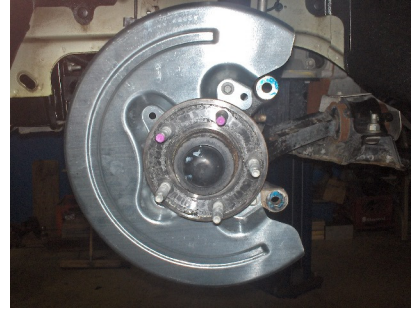
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INSTALLATION OF NEW FRONT BRAKES:



Pic. 15



Pic. 16

STEP 1: Install new dust shields and tighten 10mm bolts. Torque to 20 Nm (15 lbs/ft) (see Pics. 15 and 16).



Pic. 17

STEP 2: Install new rotor (see Pic. 17).



Pic. 18



Pic. 19

STEP 3: Install new Brembo caliper and pads with two anchor bolts. Torque to 115 Nm (85 lbs/ft) (see Pics. 18 and 19).

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Pic. 20



Pic. 21

STEP 4: Attach new brake line to caliper by putting flow bolt with copper washer on each side of the line into caliper. Torque flow bolt to 24-32 Nm (18-24 lbs/ft) (see Pics. 20 and 21).



Pic. 22



Pic. 23

STEP 5: Re-install 10mm bolt on strut to hold new line. Torque to 20 Nm (15 lbs/ft) (see Pic. 22).

STEP 6: Install new brake line bracket to frame (see Pic. 23).



Pic. 24



Pic. 25

STEP 7: Connect hard brake line to the new brake line. Torque to 20 Nm (15 lbs/ft) (see Pic. 24).

STEP 8: Verify safe routing and secure wheel speed sensor/brake line together with cable ties provided (see Pic. 25).

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REMOVAL OF PRODUCTION REAR PADS:



Pic. 26

STEP 1: With car still raised, remove rear wheels (see Pic. 26).



Pic. 27



Pic. 28

STEP 2: Remove retaining clip and remove parking brake cable (see Pics. 27 and 28).



Pic. 29



Pic. 30

STEP 3: Remove the brake caliper flow bolt and discard the two copper washers (see Pics. 29 and 30).

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Pic. 31



Pic. 32

STEP 4: Disconnect rear hard brake line and separate ABS sensor wire (see Pics. 31 and 32).



Pic. 33

STEP 5: Disconnect brake line bracket at frame and remove brake line (see Pic. 33).



Pic. 34



Pic. 35

STEP 6: Remove the two bolts and the brake caliper (see Pics. 34 and 35).

STEP 7: Remove pads and spring clips from caliper anchor.

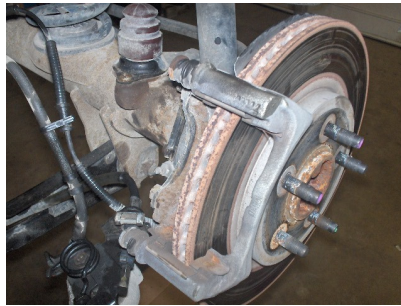
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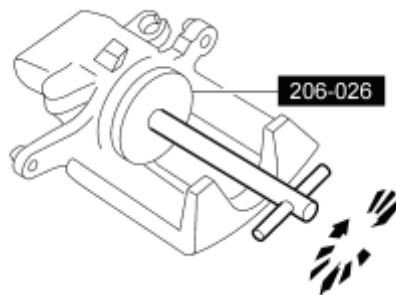
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Pic. 36

STEP 8: Inspect the brake caliper and rotor. Replace as necessary.

INSTALLATION OF NEW REAR PADS:



Pic. 37

STEP 1: Install new brake pads (you will need to rotate pistons to retract them using tool 206-026 – T87P-2588-A or equivalent (see Pic. 37).



Pic. 38



Pic. 39

STEP 2: Install new spring clips on anchors and install new pads (see Pic. 38).

STEP 3: Position the brake caliper and install the two bolts. Torque to 33 Nm (24 lbs/ft) (see Pic. 39).

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Pic. 40



Pic. 41

STEP 4: Using the new brake line bolts and washers, install new line and torque flow bolt to 24-32 Nm (18-24 lbs/ft) (see Pic. 40).

STEP 5: Connect bracket to frame (see Pic. 41).



Pic. 42



Pic. 43

STEP 6: Connect new line to body hard line. Torque to 20 Nm (15 lbs/ft) (see Pic. 42).

STEP 7: Connect the parking brake cable to caliper (see Pic. 43). Re-install retaining clip.

STEP 8: Bleed brake system.

STEP 9: Install wheels, check wheel to front caliper clearance. Torque to 133 Nm (98 lbs/ft).

TORQUE SPECIFICATIONS:

Front brake dust shield to knuckle	20 Nm (15 lbs/ft)
Front brake caliper to knuckle bolts	115 Nm (85 lbs/ft)
Brake hose to caliper banjo bolts	24-32 Nm (18-24 lbs/ft)
Brake line to strut bolt	20 Nm (15 lbs/ft)
Brake line bracket to frame	20 Nm (15 lbs/ft)
Rear brake caliper to anchor	33 Nm (24 lbs/ft)
Wheel nuts	133 Nm (98 lbs/ft)

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