



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 RACING
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

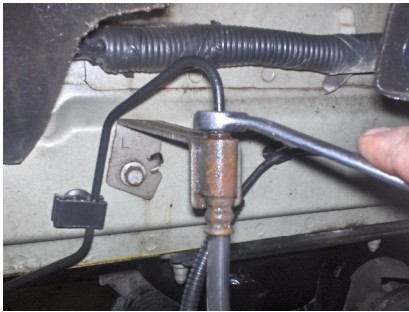
STEP 3: Remove 10mm bolt from back of strut holding the brake line on (see Pic. 3).

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

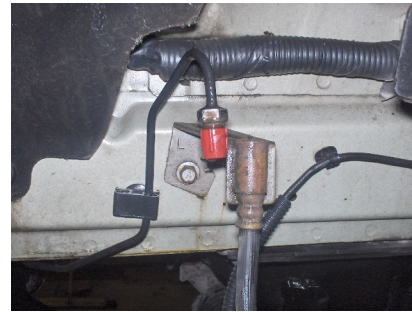
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Pic. 5



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).

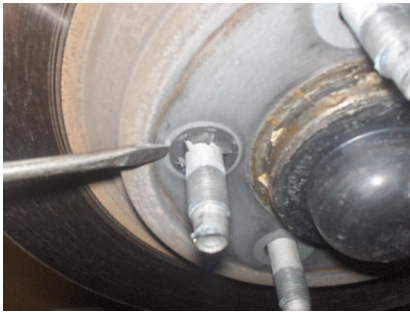


Pic. 9

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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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).

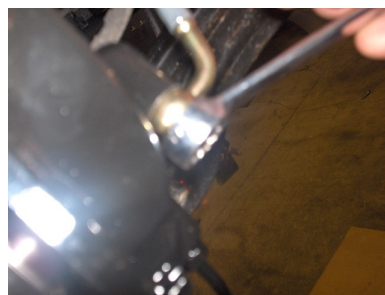
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Pic. 20



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



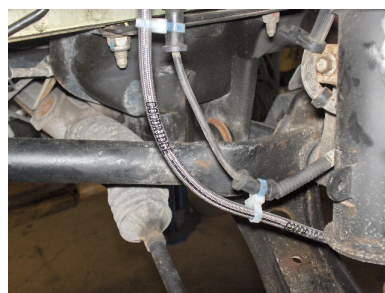
Pic. 23

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



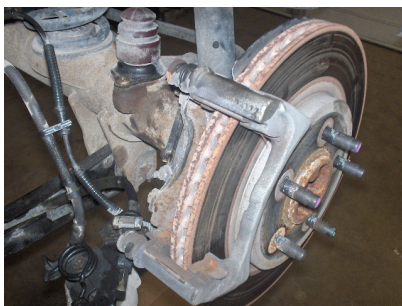
Pic. 35

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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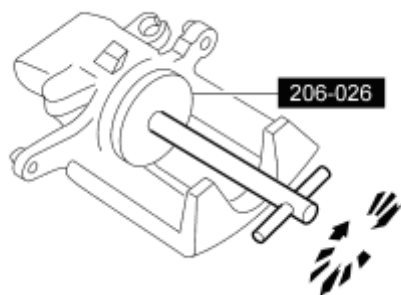
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Pic. 36

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 (then insert attachment).

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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