

MABK'3450 Massive Speed '00-'11 Ford Focus 13.05" Front Brake Kit Installation

These notes are meant to supplement the "OEM Ford Service Manual" removal instructions. This product is designed for *off road racing* use ONLY and is supplied for use at your own risk.

Wheels with a minimum diameter of 17" are required after installation. Not all wheels fit, please inspect and test fit. A wheel hub spacer may be required to allow the wheel to fit. Low profile tape balance weights may be required also. Perfect #200624N

'02-'04 SVT or '05-'11 type spindles are required to install this kit. '00-'04 non SVT Focuses must be retrofitted before installation can proceed.

'00-'07 *SHOULD* be equipped with OEM **Bubble** end fittings, in which case the brake hoses supplied have a **concave** internal configuration.

'08-'11 *SHOULD* be equipped with OEM **Flare** end fittings, in which case the brake hoses supplied have a **convex** internal configuration.

Make sure car is parked on a **level** surface with transmission set to **neutral**. Raise front of vehicle. **Always** use jack stands. **Block** rear tires.

1. Remove front wheels.
2. Remove caliper and brake disc rotor.
3. Clean back of caliper bracket mounting surface. Illustration 1.



Illustration 1: Remove rust and debris from back of caliper mounting ears

4. Locate Caliper conversion bracket and two M12 x 35 flange head bolts.



Illustration 2: Caliper conversion bracket and two M12 x 35 flange head bolts.

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5. Loctite bolts prior to installation. Tighten bolts to 65 ft/lbs.

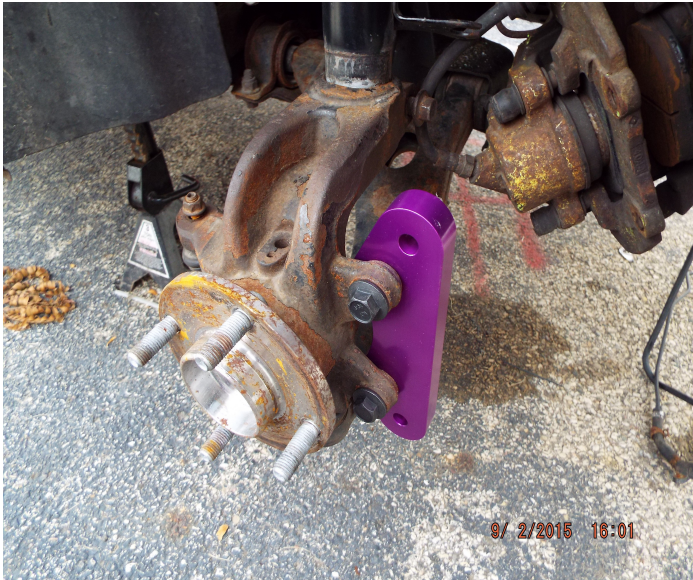


Illustration 3: Apply Loctite to bolts and tighten to 65 ft/lbs.

6. Clean rotor hub and install brake rotor spacer as shown.



Illustration 4: Rotor Spacer.

7. Install rotor and temporarily tighten with lug nuts.



Illustration 5: Temporarily tighten rotor to hub.

8. Locate caliper (in this case) for the left side (bleeder toward top).



Illustration 6: Notice clearance has been ground on either side of caliper bracket near bolt holes.

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9. Next, test assemble two M12 x 45mm flange head bolts into bracket with large gold spacer washers.

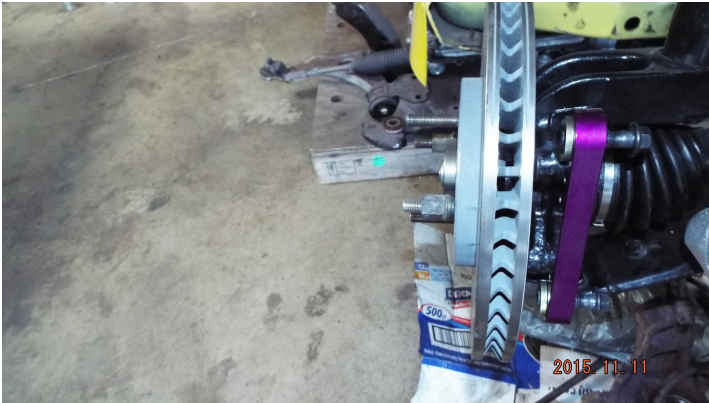


Illustration 7: Thick spacer washers top and bottom

10. Slide caliper over rotor and align holes with flange head bolts.



Illustration 8: Caliper TRIAL assembled to conversion bracket.

11. Due to Ford OEM production variations, clearance between rotor and either side of caliper bracket must be adjusted. If space is too close on either side, adjust gold spacer washer stack-up to obtain approximately equal clearance.

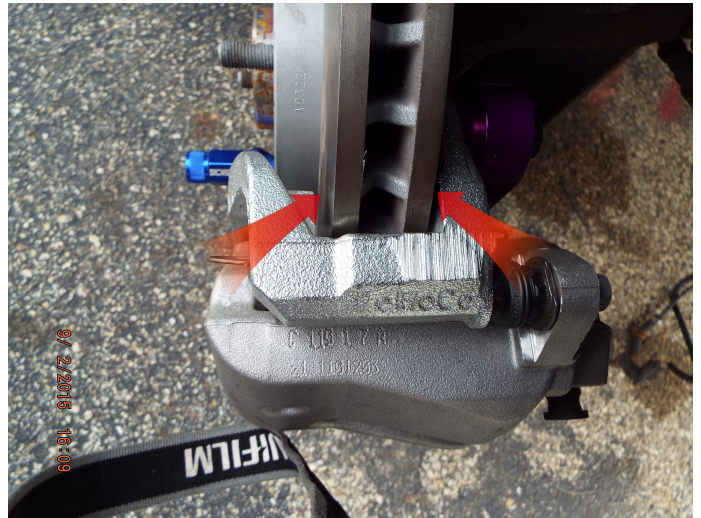


Illustration 9: Rotor should **NOT** contact caliper bracket on either side.

12. Once appropriate spacer washer stack-up is established, Loctite both M12 x 45 flange head bolts and tighten to 65 ft/lbs.

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13. Bolt and Loctite hose bracket to caliper conversion bracket with two M6 x 12mm flange head bolts.



Illustration 10: Hose bracket attached to caliper conversion bracket.

14. Attach brake hose to caliper (copper washer on either side of banjo fitting). Tighten to 25 ft/lbs.



Illustration 11: Copper Washers on either side of Banjo fitting. Tighten to 25 ft/lbs.

15. Slide large grommet into bracket on strut (Illustration 12). Attach hose fitting to OEM brake line end fitting.

Please NOTE:

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'08-'11 SHOULD be equipped with OEM **Flare** end fittings, in which case the brake hoses supplied have a **convex** internal configuration.



Illustration 12: Please CHECK your hose end configuration and make sure brake hose is correct for your installation. Slide large grommet into strut bracket

16. Install other side and bleed brakes.

17. Mount wheels and check for proper clearance. Wheel spacers may be necessary.

18. Lower vehicle and test drive at slow speed, apply brakes and listen for unusual noises. Assure brakes are properly bled with firm pedal.

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WEAR / REPLACEMENT / CONSUMABLE PARTS:

Part Name	Part Number
Rotors	Massive Speed MABK'3452
Pads	Ford CR3Z-2001-B
Pair of Hoses '00-'07 Bubble fitting end (concave)	Massive Speed MAHS' 3458.0
Pair of Hoses '08-'11 Flare fitting end (convex)	Massive Speed MAHS' 3458.1
Calipers '11-'14 Mustang GT NON Performance/Brembo	Ford CR33-2B119-DA, Left Ford CR33-2B118-DA, Right
10mm iD x 14mm oD Copper Crush Washer for Banjo Fitting	Massive Speed MCHW'13933.1

Kit Parts List:

Part Name	Part Number	Quan
Front Disk Brake Adapter Bracket - Mustang GT to Focus SVT Spindle 13.05in Rotor	MCMC'3450	2
M12 x 1.75mm Pitch x 35mm Long Flange Head Cap Screw - Class 10.9	MCHW'10168	4
Hub Centering Ring	MCMC'3448	2
Spacer Washer .475in iD x 1.25in oD x .18in Thick – Zinc Chromate Gold	MCMC'3449.1	4
Spacer Washer .475in iD x 1.25in oD x .06in Thick – Zinc Chromate Gold	MCMC'3449.2	8
Spacer Washer .475in iD x 1.25in oD x .032in Thick – Zinc Chromate Gold	MCMC'3449.3	8
M12 x 1.75mm Pitch x 45mm Long Flange Head Cap Screw - Class 10.9	MCHW'10167	4
Massive Speed Front L or R Brake Rotor for MABK'3450 - Mustang GT 13.05in Rotor Front Disk Brake to Ford Focus '00-'11	MABK'3452.0	2
'11-'13 Ford Mustang GT Front L and R Brake Caliper - Ford Part # BR33-2B119-A and BR33-2B118-A	MCBK'3453	1 ea
M6 x 1mm Pitch x 12mm Long Flange Head Cap Screw - Class 10.9	MCHW'10169	4
'00-07 Focus GOODRIDGE ZZMASSIVE-003 Front Disk Brake Conversion Brake Hose (Packaged as a pair) - BUBBLE Fitting (concave)	MAHS'3458.0	1
OR		
'08-11 Focus GOODRIDGE ZZMASSIVE-004 Front Disk Brake Conversion Brake Hose (Packaged as a pair) - FLARE Fitting (convex)	MAHS'3458.1	1