

**BRAKE COOLING SYSTEM UPGRADE
MINI MANIA PART NUMBER NMB4000
For 2002-2006 MINI Cooper Hardtops and
2005-2008 MINI Cooper Convertibles**

Congratulations on your purchase of the Performance Brake Cooling System Upgrade for the track. This setup is designed to reduce operating temperatures of the front brakes under extreme conditions. The result is a more consistent and predictable braking performance throughout an event.

NOTE: Inlet Scoops may prevent full-lock on the wheel once the kit is installed depending on the size and offset of wheel – BE AWARE of this when driving! Scoops can be modified to allow full-lock if necessary.

Kit Contents:

- 2 ea. Anodized Backing Plate
- 2 ea. Polyethylene Scoops
- 2 ea. 500°F Silicone Ducting
- 4 ea. 2.5" Hose Clamps
- 2 ea. Flat Head Screws
- 8 ea. Plastic Tie Wraps

Take all necessary precautions when working on your MINI. Mini Mania Inc. is not responsible for any damages or injuries incurred during the installation.

DIRECTIONS:

1. Properly lift and support the front end of the car, and remove the wheels.



2. Remove the brake calipers by removing the two bolts that secure the calipers to the strut and support them in a way not to damage the brake lines.

3. Remove the rotor retaining screw (Flat Head) and remove rotor from hub.



4. Remove the dust shield.



5. The new backing plate can now be installed on the spindle by using (3) of the original Torx style screws, and (1) flat head style screw provided in the kit. When satisfied with the fit, the bolts can then be tightened to factory specs.



6. Note location of Flathead Screw.



7. Install the scoop on the lower control arm. One method is to position the scoop on the underneath of the control arm and **LOOSELY** secure it with the supplied tie wraps. (You may need to reposition later.)



8. Install the hose between the scoop and the backing plate securing at both ends with the supplied hose clamps.



9. Place the rotor back onto the hub.
10. Re-mount the brake calipers and tighten the bolts to factory specifications.
11. With the car still up on the jack stands, rotate the steering back and forth to check for any interference. The scoops will limit full-lock and rub the wheel unless they are modified. If all checks fine, re-attach the road wheels, and torque lugs.
12. With the car on the ground, have someone else SLOWLY rotate the steering wheel back and forth while you check clearance. You may need to move the scoop to gain proper clearance. **Some wheel sizes and offsets will cause rubbing as you approach full-lock – THIS IS NORMAL.** The inlet scoops can be modified for greater clearance if necessary. Once the optimal position is established, **tighten the tie wraps to secure the inlet scoops.**
13. Take a short test drive followed by an inspection to confirm all components are secure. Re-check everything after your first hot session.

IMPORTANT NOTE: Be aware of the reduced clearance and limited full-lock with this track kit. It is recommended that the Intake Scoops be removed when the track sessions are completed to prevent damage to the components.

Warranty Policy:

All merchandise is guaranteed to be free from defects in material and workmanship. Any item that has been found to be defective will be replaced without charge due to defective material or workmanship. All warranty claims must include the original invoice number.

Disclaimer:

Due to vehicle regulations varying from state to state, it is recommended you check local laws and regulations for your area before ordering. Our liability is limited to replacement of the part only and does not recognize claims for labor or consequential damage. We do recommend the kit to be installed by a qualified mechanic. The preceding pictures are for reference only, your vehicle may be different.