



## TMS E36M3 Carbon Brake Backing Plates

### PART # T-SU-36-90-212

The TMS carbon brake backing plates are made of pure carbon with Kevlar for reinforcement and high temperature resin. Our unique design specifically for the E36M3 is optimized for 3" hose and allows the air to flow directly to the rotor with no impedance and weigh a considerable amount less compared to competing products. When flow tested compared to a competitor's product, the TMS ducts flowed *twice* as much. This greatly reduces the chance of brake fade, boiling the brake fluid, and wear and tear on your brake components. Our manufacturer is an experienced known composite company that works with many ALMS race teams. Installation is easy as it does not require removal of the wheel bearing.

\*\*\*We also offer 3" brake duct hose in 12ft lengths and 3" hose clamps.

**Parts list for kit:**

- 2 – carbon backing plates
- 2 – brackets
- 2 – M5 bolts, wave washers, and nuts

**Install time:** 2 hours (no alignment)

#### Directions:

1. Properly lift and support the front end of the car, and remove the wheels
2. If your car still has the original metal backing plates:
  - Remove caliper and rotor. Hang rotor by something so the brake lines are not damaged.
  - Remove the 3 bolts that hold the backing plate on.
  - Either cut the old plates off or you can remove the wheel bearing. (We definitely suggest just cutting them off.)
3. Slide the correct side brake duct on so the inlet opening faces to the inside and front of the car, and line up the bolt holes.
4. Bolt on the carbon backing plates using the stock hardware.
  - *Note: The rotor may slightly rub against the carbon edge because of flex. So some carbon may need to be removed*



5. Install support bracket

- Remove upper strut bolt nut (not the pinch bolt that holds the shock and spindle together)
- Slip bracket over bolt in between the nut and washer and re-install. Torque to:
- Drill small hole in brake duct and attach bracket to the brake duct.



6. Reassemble rotor and caliper. Torque caliper bolts to: 110 Nm (81 ftlb)