

Part # 6680

Ford 3.5L EcoBoost Master Timing Kit

- Kit contains everything required to perform timing service on 3.5L EcoBoost engines
- This comprehensive kit contains the tools needed to properly time the variable cam timing (VCT) on the EcoBoost turbocharged engines
- Includes the following tools:
 - Timing Brackets (7641) sets & holds 1st generation EcoBoost cams
 - Timing Brackets (3800) sets & holds 2nd generation EcoBoost cams
- Comparable to Ford Factory Tools: 303-1248, 303-1530 & 303-1655



CAUTION: To prevent injury, always wear gloves and eye protection that meets ANSI Z87.1 and OSHA standards.
CAUTION: To prevent equipment damage, clean and lubricate threaded screws and holes before and after use.

INSTRUCTIONS:

- 1. Engine Preparation:**
 - Place the vehicle in a secure and safe position for the timing service.
 - Remove any components obstructing access to the timing components.
- 2. Identify Generation of EcoBoost Engine:**
 - Determine whether the EcoBoost engine is 1st generation or 2nd generation. This information will help you select the appropriate timing bracket for the job.
- 3. Use Timing Brackets:**
 - A) Use Timing Brackets (7641) for 1st Generation EcoBoost Cams:**
 - If the engine is 1st generation, locate the timing brackets (7641) in the kit.
 - Position the 7641 timing brackets to set and hold the 1st generation EcoBoost cams in place.
 - Ensure proper alignment by referring to the engine's timing marks.
 - B) Use Timing Brackets (3800) for 2nd Generation EcoBoost Cams:**
 - If the engine is 2nd generation EcoBoost, locate the timing brackets (3800) in the kit.
 - Position the 3800 timing brackets to set and hold the 2nd generation EcoBoost cams in place.
 - Confirm the correct alignment by referring to the engine's timing marks.
- 4. Perform Timing Service:**
 - Follow the vehicle's service manual for the specific timing procedures.
 - Utilize the appropriate timing bracket (7641 or 3800) to ensure precise timing alignment during the service.
- 5. Reassemble and Test:**
 - Once the timing service is complete, double-check the timing marks and inspect the components for any signs of issues.
 - Reassemble any components removed for access, and ensure everything is securely in place.
 - Start the engine and perform a test to ensure proper timing and functionality.
- 6. Documentation:**
 - Keep records of the timing service, including any adjustments made and the tools used, for future reference.

