

MMX HEMI VVT Swap A/C Bracket

Installation Instructions • Billet Aluminum



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IMPORTANT — READ BEFORE INSTALLING

This bracket system is not a simple bolt-on installation. You must understand how to properly check pulley alignment. Incorrect alignment can cause premature belt wear, noise, or component failure.

Compressor Compatibility & Returns

This bracket system is designed exclusively for OEM compressors. Aftermarket compressors will not work without modification. Once the brackets have been installed or modified in any way, they cannot be returned.

BRACKET IDENTIFICATION

Timing Cover Bracket has two threaded holes and two slotted countersunk holes.

Rear Bracket has one slotted countersunk hole and mounts to the engine block.

INSTALLATION STEPS

- 1.** Install the main Timing Cover Bracket to the timing cover with the threaded holes facing toward the front of the engine, using the provided hardware in the countersunk slotted holes. Leave these bolts loose enough that the bracket can still slide freely forward and backward.
- 2.** Loosely install the Rear Bracket using the supplied hardware into its slotted countersunk hole. Again, leave the hardware loose enough that the bracket can slide forward and backward.
- 3.** Install the A/C compressor onto the brackets and fully tighten the compressor mounting bolts. At this stage the compressor should be solidly attached to the brackets, while the brackets themselves remain free to slide on the timing cover and the engine block.
- 4.** Check pulley alignment. Slide the entire compressor/bracket assembly forward or backward until the compressor pulley is in line with the crankshaft pulley (damper).
- 5.** Once the correct alignment position is found, mark the locations: place a lineup mark on the timing cover bracket and the timing cover, then a second mark on the rear bracket and the engine block.
- 6.** Remove the A/C compressor from the brackets.
- 7.** Align both brackets precisely to the marks you just made and fully tighten all bracket mounting bolts.
- 8.** Reinstall the A/C compressor and fully tighten the compressor bolts. Re-check the pulley alignment.
- 9.** If the pulley alignment is no longer correct, wipe off the previous alignment marks and repeat the entire process from Step 1.

Final Note: Proper pulley alignment is essential for long belt life and quiet operation. Take your time during the alignment steps. If you are unsure about any part of this process, consult a qualified technician familiar with accessory drive systems.