



# ARP

*automotive Racing products*



# COYOTE

## Product Guide

VOLUME 1



# CYLINDER HEAD STUD KITS

The key to optimum combustion chamber sealing and long-term reliability, ARP head studs are the ideal replacement for factory TTY (Torque To Yield) bolts that are yielded in the assembly process and should never be re-used. Moreover, ARP head studs for the Coyote are made from proprietary ARP2000™ material that is nominally rated at 220,000 psi tensile strength to facilitate increased clamping force. They are engineered for high combustion pressure applications, including supercharging, turbocharging or use of nitrous oxide. The kits include parallel-ground washers, 12-point nuts and a packet of ARP Ultra-Torque® fastener lubricant.

**256-4702** – Head Stud Kit for 2011-2012 5.0L Coyote (12 mm)

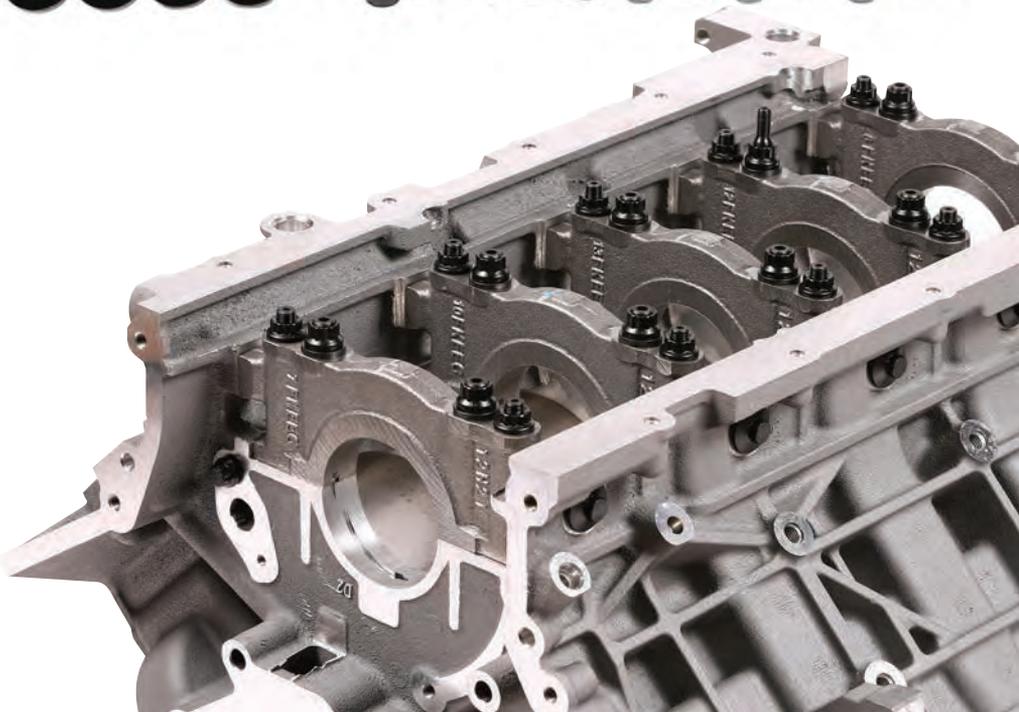
**256-4301** – Head Stud Kit for 2013-up 5.0L Coyote (11 mm)



# MAIN CAP STUD KIT

Long-term bottom-end security is assured through use of ARP's heat-treated 8740 chrome moly main studs, which are rated at 190,000 psi tensile strength and far superior to factory TTY bolts that are yielded by design and should never be re-used. The kits include four main studs, as well as two side bolts that provide rock-solid main cap support. Parallel ground washers, 12-point nuts for the studs, plus a packet of ARP Ultra-Torque® fastener lubricant are included.

**156-5803 – Main Cap Kit for 5.0L Ford Coyote**



# CAM PHASER BOLT KIT

Designed to ensure positive timing gear registration through increased pre-load clamping force, ARP's phaser bolts are made from heat-treated 8740 chrome moly and nominally rated at 180,000 psi tensile strength. Bolt heads combine a large diameter collar for improved load distribution with a reduced-wrenching 12-point head for easy installation.

**156-1006 – Cam Phaser Bolt Kit for 5.0L Ford Coyote (24 pcs.)**



# CAM SPROCKET BOLT KIT

Positive retention of the Coyote VCT phaser to the camshaft is assured through use of ARP's special Pro Series bolts that are manufactured from heat-treated chrome moly steel and nominally rated at 190,000 psi tensile strength. They feature 12-point heads and the kit comes with a packet of ARP Ultra-Torque® fastener lubricant.

**256-1003 – Cam Sprocket Bolt Kit for 5.0L Ford Coyote (12 pcs.)**



# CAM TOWER BOLT KITS

The all-important task of keeping camshafts precisely aligned in the DOHC Coyote cylinder head is accomplished by ARP's cam tower bolt kit. Available with your choice of 12-point or hex heads, they are made from heat-treated 8740 chrome moly steel and far superior to factory or Grade 8 hardware. Includes washers and packet of ARP Ultra-Torque fastener lubricant.

**156-1004 – Cam Tower Bolt Kit for 5.0L Ford Coyote – 12-pt. (40 pcs.)**

**156-1005 – Cam Tower Bolt Kit for 5.0L Ford Coyote – Hex (40 pcs.)**



# HARMONIC DAMPER BOLT KIT

There are several compelling reasons why ARP's specially designed harmonic damper bolt should be used instead of the factory hardware. First, they're made of heat-treated 8740 chrome moly steel that's nominally rated at 190,000 psi tensile strength to provide high RPM security. Secondly, the increased-wrenching size, tall 12-point head facilitates turning high compression engines over by hand without fear of rounding the bolt heads. Kits include a 1/4" thick wide area washer to better distribute the clamping force.

## 156-2502 – Harmonic Damper Bolt Kit For 5.0L Ford Coyote



# FLYWHEEL BOLT KIT

Employing ARP's special flywheel bolts in high-winding 5.0L DOHC Ford Coyote engine applications provides important reliability "insurance." They feature a unique large diameter (3/4" wrenching) 12-point head that distributes the clamping load better than ordinary bolts, plus they're made of heat-treated 8740 chrome moly steel and far stronger than factory and Grade 8 hardware. What's more, they have a larger-than-stock shank diameter for increased strength and improved flywheel register. Includes a packet of ARP Ultra-Torque® fastener lubricant.

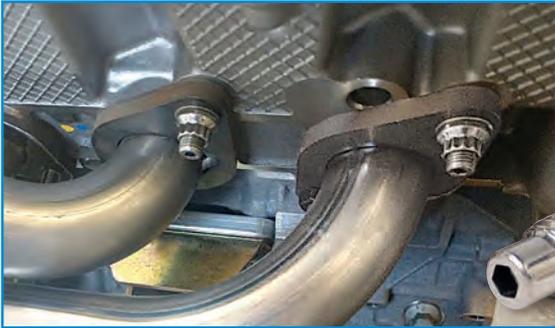
## 156-2801 – Flywheel Bolt Kit for 5.0L Ford Coyote (8 pcs.)



# ACCESSORY STUD KITS

ARP's polished stainless steel studs represent the ideal finishing touch to any Coyote exhaust system. They feature a special "nut starter" nose that guide the nuts into place and are hex-broached for ease of installation or removal. Made of a proprietary stainless alloy, they are impervious to rust and corrosion —plus hold up well in high heat environments. Includes stainless steel 12-point nuts and M10 washers. These are 1.900" long. Other sizes available.

## 400-8036 – M10 Stud Kit with 1.25/1.25 thread pitch (16 studs)



# STAINLESS STEEL BOLTS

There are many places where ARP's polished stainless steel bolts can be used to for attaching engine accessories and other tasks. They're rated at 180,000 psi (much stronger than Grade 8 hardware) and available with 12-point or hex heads in M12 to M6 (as well as SAE fine and coarse from 1/2" to #10). Black oxide finished 8740 chrome moly available too. Sold in handy 5-packs by size.



# TAPERED RING COMPRESSORS

Designed for professional engine builders, ARP's ring compressors are made with a true radius for each bore size (not simply a chopped-off taper cut) and feature a relief for O-rings on the bottom. Precision CNC-machined from 6061-T6 billet tube material and Type 3 anodized for long life. Bore sizes are engraved in large digits for ease of identification.

**899-6300** - Tapered ring compressor for 3.630 bore (stock 5.0L bore)

**899-6400** - Tapered ring compressor for 3.640 bore (.10" overbore)

**899-6500** - Tapered ring compressor for 3.650 bore (.20" overbore)

**899-6600** - Tapered ring compressor for 3.660 bore (.30" overbore)

*(these are but four of nearly 130 different bore size ARP ring compressors)*



## Look for "ARP" stamped on each fastener as your assurance of quality

- Manufactured in-house at ARP's California facilities
- Only the finest grades of materials used  
–superior to "aircraft quality"
- Stringent quality control methods are employed



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