

# ARP

automotive *Racing* products



**LS  
& LT**

Product  
Guide

VOLUME 3



## REPLACEMENT ROD BOLTS

A substantial upgrade from OEM torque-to-yield (TTY) rod bolts that can only be used once, ARP® offers both “Hi-Performance Series” bolts made of 8740 chrome moly steel and are nominally rated at 200,000 psi tensile strength or “Pro Series” bolts manufactured from proprietary ARP2000® material and rated at 220,000 psi —ideally suited for more severe duty applications (power-adders, etc.).

- 134-6006** – set of Hi-Performance rod bolts for LS (except LS7) “cracked cap” design
- 134-6026** – 2-pc. Hi-Performance rod bolts for LS (except LS7) “cracked cap” design
- 234-6301** – set of Pro Series ARP2000® rod bolts for LS (except LS7) “cracked cap” design
- 234-6321** – 2-pc. Pro Series ARP2000® rod bolts for LS (except LS7) “cracked cap” design
- 234-6302** – set of Pro Series ARP2000® rod bolts for LS7 (titanium rods)



## MAIN STUDS

Increase bottom-end security by replacing maxed-out factory TTY fasteners with premium quality heat-treated 8740 chrome moly main studs that are nominally rated at 200,000 psi tensile strength. They help prevent main cap “walk,” fretting and crank flex that can occur without ARP’s superior clamping force.

- 234-5608** – Main stud kit for Gen III/LS Series and GMPP LSX blocks
- 134-5802** – Main stud kit for World\* Products Warhawk LS aluminum block
- 134-5901** – Main stud kit for Dart LS Next block

\* Newer aluminum blocks are BMP branded

NOTE: For severe duty applications, fasteners with tensile strengths to 270,000 psi are available. Contact factory for details.



## CYLINDER HEAD STUDS

NOTE: For severe duty applications, fasteners with tensile strengths to 270,000 psi are available. Contact factory for details.

Boosting combustion pressure through installing a more aggressive cam profile or a power-adder (blower, turbo or nitrous) can push factory TTY (Torque To Yield) head bolts beyond their intended loading, causing blown head gaskets. ARP® head studs are manufactured from stronger material (heat-treated 8740 rated at 200,000 psi or proprietary ARP2000® at 220,000 psi) provide extra clamping force. They're hex-broached for easy installation or removal. And they come with hardened, parallel machined washers for optimum load distribution.

- 234-4110** – Head stud kit (8740) for mid-2004 and earlier Gen III LS (3 different bolt lengths) - (hex)
- 234-4313** – Head stud kit (CA 625+) for 2003 and earlier (12-pt.)
- 234-4314** – Head stud kit (CA 625+) for 2004 and later - (12-pt.)
- 234-4316** – Head stud kit (8740) for mid-2004 and earlier Gen III LS (3 different bolt lengths) - (12-pt.)
- 234-4317** – Head stud kit (8740) for mid-2004 and later Gen IV LS (2 different bolt lengths - hex)
- 234-4319** – Head stud kit (ARP2000®) for mid-2004 and later Gen IV LS (2 different bolt lengths - 12-pt.)
- 234-4339** – Head stud kit (ARP2000®) for RHS Block w/ RHS LS7 heads (12-pt.)
- 234-4340** – Head stud kit (8740) for Dart LS Next block w/15-bolt head (12-point)
- 234-4341** – Head stud kit (8740) for Dart LS Next block w/23-bolt head (12-point)
- 234-4344** – Head stud kit (ARP2000) for 2003 and earlier (4 short - 16 long, 12-point)
- 234-4345** – Head stud kit (ARP2000) for 2004 and later (all same length) 12-point
- 234-4346** – Head stud kit (ARP2000) for LSA (12-point)
- 134-4701** – Head stud kit (8740) for World\* Warhawk w/LS or 15° heads (12-point, U/C studs)
- 134-4702** – Head stud kit (8740) for World\* Warhawk 9.240 deck w/LS7/12° heads (12-pt, u/c)
- 134-4703** – Head stud kit (8740) for World\* Warhawk 9.800 deck w/LS7/12° heads (12-pt, u/c)

\* Newer aluminum blocks are BMP branded



## CYLINDER HEAD BOLTS

NOTE: For severe duty applications, fasteners with tensile strengths to 270,000 psi are available. Contact factory for details.

For those who prefer head bolts to studs ARP® manufactures premium quality “Pro Series” head bolts that are nominally rated at 200,000 psi tensile strength and have 12-point head with wide flanges to more evenly distribute the load. Far superior to factory TTY bolts (which are preloaded to yield and cannot be reused). Earlier LS engines have unequal length head bolts and for 2004-up they're equal length.

Application	8740 Hex	8740 12-pt.	ARP2000 Hex	ARP2000 12-pt.	Inconel Hex	Inconel 12-pt.
Gen III (2003 & earlier) two lengths	134-3609	134-3709	234-3601	234-3724	434-3609	434-3709
Gen III (2004 & later -except LS9)	134-3610	134-3710	234-3602	234-3725	434-3610	434-3710
Gen IV (LS9)	130-3601	130-3701	230-3602	230-3701	434-3601	434-3701
LSA	134-3613	134-3713	234-3603	234-3726	434-3613	434-3713
World Motown w/LS Series heads	134-3611					



## OIL PAN BOLTS

Eliminate pesky oil pan leaks with ARP's premium grade 170,000 psi tensile strength (superior to Grade 8 hardware). They're available in both polished stainless steel (proprietary ARP300 material) or black oxide finished 8740 chrome moly. Complete with washers.

- 134-1806** – Pan bolt kit (black oxide finish – hex heads) for Gen V LT1/LT4 block
- 134-1805** – Pan bolt kit (black oxide finish – 12-point heads) for Gen V LT1/LT4 block
- 134-6901** – Pan bolt kit (black oxide finish – hex heads) for Gen III/IV block
- 134-6902** – Pan bolt kit (black oxide finish – 12-point heads) for Gen III/IV block
- 434-1806** – Pan bolt kit (polished stainless steel – hex heads) for Gen V LT1/LT4 block
- 434-1805** – Pan bolt kit (polished stainless steel – 12-point heads) for Gen V LT1/LT4 block
- 434-6901** – Pan bolt kit (polished stainless steel – hex heads) for Gen III/IV block
- 434-6902** – Pan bolt kit (polished stainless steel – 12-point heads) for Gen III/IV block

## HEADER STUDS & BOLTS

ARP® makes it easy to install headers on any LS engine with these polished stainless steel studs. They feature a special “nut starter” nose that helps position the exhaust gasket and guide the header flange. Made of proprietary ARP300 material, they won't rust, chip or peel and they withstand heat. Compact wrenching 12-point nuts seal the deal. Also available are header bolts in stainless steel or black oxide finished 8740 for use with thicker header flanges.



- 134-1101** – Header bolt kit (M8 – .984" overall length) (black oxide finish – hex) for LS block
- 134-1104** – Header bolt kit (M8 – 1.181" overall length) (black oxide finish – hex) for LT block
- 134-1103** – Header bolt kit (M8 – 1.181" overall length) (black oxide finish – 12 pt.) for LT block
- 134-1201** – Header bolt kit (M8 – .984" overall length) (black oxide finish – 12 pt.) for LS block
- 434-1101** – Header bolt kit (M8 – .984" overall length) (stainless finish – hex) for LS block
- 434-1104** – Header bolt kit (M8 – 1.181" overall length) (stainless finish – hex) for LT block
- 434-1103** – Header bolt kit (M8 – 1.181" overall length) (stainless finish – 12 pt.) for LT block
- 434-1201** – Header bolt kit (M8 – .984" overall length) (stainless finish – 12 pt.) for LS block
- 134-1102** – Header bolt kit (M8 – 1.181" overall length) (black oxide finish – hex) for LS block
- 134-1202** – Header bolt kit (M8 – 1.181" overall length) (black oxide finish – 12 pt.) for LS block
- 434-1102** – Header bolt kit (M8 – 1.181" overall length) (stainless finish – hex) for LS block
- 434-1202** – Header bolt kit (M8 – 1.181" overall length) (stainless finish – 12 pt.) for LS block
- 434-1401** – Header stud kit (M8 – 1.750" overall length) for LT applications
- 434-1301** – Header stud kit (M8 – 1.750" overall length) for LS applications



## WATER PUMP BOLTS

Reliable sealing of the water pump and thermostat housing is assured with ARP's heavy-duty 170,000 psi tensile strength bolts in black oxide finished 8740 chrome moly or polished stainless steel. Choice of hex or 12-point heads.

- 134-3201** – Water pump bolt kit (black oxide finish – hex heads) for LS block
- 134-3202** – Water pump bolt kit (black oxide finish – 12-point heads) for LS block
- 434-3201** – Water pump bolt kit (polished stainless steel – hex heads) for LS block
- 434-3202** – Water pump bolt kit (polished stainless steel – 12-point heads) for LS block



## VALVE COVER BOLTS

Take your pick between beautiful polished stainless steel or black oxide finished 8740 chrome moly bolts. They're both nominally rated at 170,000 psi tensile (far superior to Grade 8 hardware) to provide a secure seal. Choose between hex or 12-point heads. Includes .165" thick washers.

- 100-7524** – Black oxide (hex head) valve cover bolts for LS Series w/0.375" spacer
- 100-7523** – Black oxide (12-point head) valve cover bolts for LS Series w/0.375" spacer
- 400-7529** – Polished stainless steel (hex head) valve cover bolts for LS Series w/0.375" spacer
- 400-7530** – Polished stainless steel (12-point head) valve cover bolts for LS Series w/0.375" spacer



## INTAKE MANIFOLD BOLTS

Enhance the look of any LS engine and ensure optimum gasket clamping with ARP's specially designed intake manifold bolts. They have a wide underhead flange and come with companion washers to provide even load distribution. Available in black oxide finish 8740 or polished stainless steel with hex or 12-point heads. Nominally rated at 170,000 psi tensile strength. Fits LS1, LS4 and LS6.

Application	Black Hex	Black 12-pt.	Stainless Hex	Stainless 12-pt.
LS w/stock intake manifold	130-2001	130-2101	430-2001	430-2101
LS w/Edelbrock (45mm UHL)	130-2002	130-2102	430-2002	430-2102
LS w/GM Perf (55mm UHL)	130-2003	130-2103	430-2003	430-2103



## VALLEY COVER BOLTS

A companion to ARP's intake manifold bolts are these heavy-duty valley cover bolts, which come in black oxide finish 8740 or polished stainless steel with hex or 12-point heads. Nominally rated at 170,000 psi tensile strength.

- 134-8001** – Valley cover bolt kit (black oxide finish – hex heads) for LS
- 134-8002** – Valley cover bolt kit (black oxide finish – 12-point heads) for LS
- 434-8001** – Valley cover bolt kit (polished stainless steel – hex heads) for LS
- 434-8002** – Valley cover bolt kit (polished stainless steel – 12-point heads) for LS

## MOTOR MOUNT BOLTS

Harness the horsepower of any high performance LS engine with these rugged bolts that secure the motor mounts to the block. They are nominally rated at 170,000 psi tensile strength and superior to Grade 8 hardware. Your choice of black oxide finished 8740 chrome moly or polished stainless steel; hex or 12-point heads.



### 6-pc. kit    8-pc. kit

- 134-3102**    **134-3104** – Motor mount bolts (black oxide finish – hex heads) for LS block
- 134-3101**    **134-3103** – Motor mount bolts (black oxide finish – 12-pt. heads) for LS block
- 434-3102**    **434-3104** – Motor mount bolts (polished stainless – hex heads) for LS block
- 434-3101**    **434-3103** – Motor mount bolts (polished stainless – 12-pt. heads) for LS block

## THERMOSTAT HOUSING BOLTS

Eliminate pesky water leaks with ARP's precision machined, heavy duty thermostat housing bolts. Available in polished stainless steel –which won't rust, chip or corrode— and black oxide finish 8740 chrome moly with a choice of hex or 12-point heads.



- 134-7402** – Thermostat housing bolt kit (black oxide finish – hex heads) for LS
- 134-7401** – Thermostat housing bolt kit (black oxide finish – 12-point heads) for LS
- 434-7402** – Thermostat housing bolt kit (polished stainless steel – hex heads) for LS
- 434-7401** – Thermostat housing bolt kit (polished stainless steel – 12-point heads) for LS

## COIL PACK BRACKET BOLTS

ARP® offers another practical enhancement to an LS engine by means of these precision coil pack bolts, available in polished stainless steel or black oxide finished 8740 chrome moly. They're rated at 170,000 psi, significantly stronger than Grade 8 hardware.



- 134-2302** – Coil bracket bolt kit (black oxide finish – hex heads) for LS
- 134-2301** – Coil bracket bolt kit (black oxide finish – 12-point heads) for LS
- 134-2304** – Coil bracket bolt kit (black oxide finish – hex heads) for LT1/LT4
- 134-2303** – Coil bracket bolt kit (black oxide finish – 12-point heads) for LT1/LT4
- 434-2301** – Coil bracket bolt kit (polished stainless steel – 12-point heads) for LS
- 434-2302** – Coil bracket bolt kit (polished stainless steel – hex heads) for LS
- 434-2304** – Coil bracket bolt kit (polished stainless steel – 12-point heads) for LT1/LT4
- 434-2303** – Coil bracket bolt kit (polished stainless steel – hex heads) for LT1/LT4



## REAR MOTOR COVER BOLTS

Add a finishing touch to any LS engine with ARP's rear motor cover bolts. They come in your choice of black oxide finished 8740 chrome moly or polished stainless steel (ARP300 material) and both are nominally rated at 170,000 psi tensile strength —stronger than Grade 8. Washers included.

**134-1503** – Rear motor cover bolt kit (black oxide finish – hex heads) for LS block

**134-1504** – Rear motor cover bolt kit (black oxide finish – 12-point heads) for LS block

**434-1503** – Rear motor cover bolt kit (polished stainless steel – hex heads) for LS block

**434-1504** – Rear motor cover bolt kit (polished stainless steel – 12-point heads) for LS block



## TIMING COVER BOLTS

Secure the timing cover on LS Series blocks with premium quality ARP® fasteners. The bolts come in your choice of black oxide finished 8740 chrome moly or polished stainless steel (ARP300 material) and both are nominally rated at 170,000 psi tensile strength —stronger than Grade 8. Washers included.

**LS Series**    **LT1/LT4**

**134-1501**    **134-1506** – Timing cover bolt kit (black oxide finish – hex heads)

**134-1502**    **134-1505** – Timing cover bolt kit (black oxide finish – 12-point heads)

**434-1501**    **434-1506** – Timing cover bolt kit (polished stainless steel – hex heads)

**434-1502**    **434-1505** – Timing cover bolt kit (polished stainless steel – 12-point heads)





## ROCKER ARM STUDS

ARP® offers a solution to maintaining absolute valve train accuracy with these extra-strong 200,000 psi nominally rated rocker arm studs that are precisely machined to provide total concentricity. They are designed to fit all LS series engines, except the LS7.

**234-7207** – Rocker arm stud kit for LS series (except LS7).

**234-7208** – Rocker arm stud kit for LT1/LT4

## TAPERED RING COMPRESSORS

Install your rod/piston assembly the quick and easy way with a tapered ring compressor from ARP®. Each has a radius optimized for the bore size so the piston rings are gradually compressed as the piston is pushed into the bore. These are the sizes for OEM cylinder bores, please refer to ARP's master catalog or website for other sizes needed (over a hundred are available).

**899-7800** – 3.780" bore tapered ring compressor

**899-8900** – 3.890" bore tapered ring compressor

**900-0000** – 4.000" bore tapered ring compressor

**900-0600** – 4.060" bore tapered ring compressor

**900-1250** – 4.125" bore tapered ring compressor



## CAM BOLT KITS

The added strength of ARP's cam retainer plate and cam sprocket bolts assures ample fastener preload to secure these critical components and combat valve train harmonics. They are precision machined from 8740 chrome moly steel forgings that are heat treated to a nominal rating of 180,000 psi tensile strength.

**134-1002** – Cam retainer plate bolt kit for LS Series engines

**134-1003** – Cam sprocket bolt kit for LS Series engines



## HARMONIC BALANCER BOLTS

Due to crankshaft flexes and twists there is a necessity to ensure that the balancer/damper is secured for high performance applications. ARP® has developed these ultra strong 200,000 psi chrome moly bolts for the purpose. They have a specially designed flange with a tall 12-point head that accepts a deep socket and eliminates the worry of stripping the bolt. Includes 1/4" thick wide area washer.

**234-2503** – Harmonic balancer bolt kit for LS Series engines (except LS7)

**234-2504** – Harmonic balancer bolt kit for LS7 and LT1



## BELLHOUSING BOLTS

Improving the strength of bellhousing bolts is an important safety consideration. ARP® offers them in both polished stainless steel or black oxide finished 8740 chrome moly. Both are rated at 170,000 psi –substantially stronger than Grade 8 hardware. Choose between hex or 12-point heads.

**134-0901** – Bellhousing bolt kit (black oxide 8740 – hex head) for LS

**134-0902** – Bellhousing bolt kit (black oxide 8740 – 12-pt. head) for LS

**434-0901** – Bellhousing bolt kit (polished stainless steel – hex head) for LS

**434-0902** – Bellhousing bolt kit (polished stainless steel – 12-pt. head) for LS



## FLYWHEEL BOLTS

Far superior to OEM fasteners, ARP's heat-treated 8740 chrome moly flywheel bolts provide complete safety in high RPM environments. They feature a 12-point head and the shank diameter is optimized for increased strength and improved flywheel register. M11 thread.

- 330-2802** – Flywheel bolt kit for Chevy LS series
- 234-2801** - Flywheel bolt kit for LT1/LT3 (2013 and later)
- 234-2802** - Flywheel bolt kit for LT1 (6.2L)



## PRESSURE PLATE BOLTS

Keeping the pressure plate (clutch cover) firmly attached under the most demanding conditions can be accomplished through using ARP's heat-treated 8740 chrome moly bolts. These hex-headed bolts are nominally rated at 200,000 psi tensile strength.

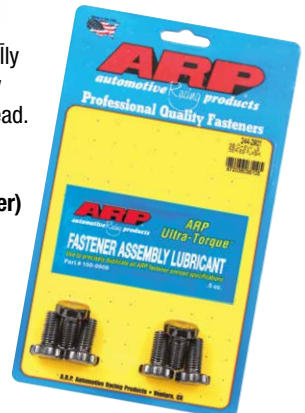
- 134-2201** – Pressure plate (clutch cover) bolt kit for LS series
- 134-2201** – LS Series with 10" & 11" clutch (.750" o.d.)
- 134-2203** – LS Series with 12" clutch (.625" o.d.)



## FLEXPLATE BOLTS

Add security to your driveline by replacing the factory bolts with specially designed high strength heat-treated chrome moly bolts that are nominally rated at 200,000 psi. They are optimized in length and shoulder. M11 thread.

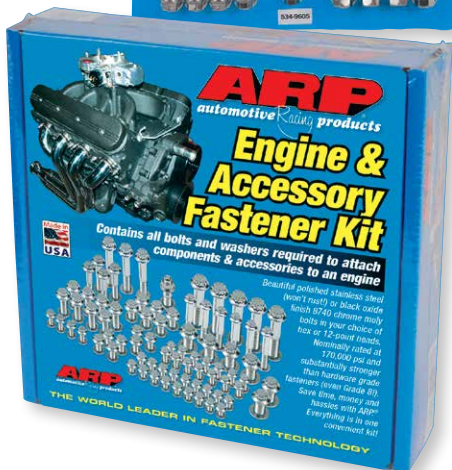
- 244-2901** – Flexplate bolt kit for Chevy LS Series
- 244-2901** – Flexplate bolts for LS (standard)
- 244-2902** – Flexplate bolts for LS (w/700R4 or Turbo 350/400 adapter)
- 234-2902** – Flexplate for LT1/LT4





## ENGINE & ACCESSORY FASTENER KIT

ARP® puts everything you'll need to dress up an LS engine from head to toe in one convenient kit. Includes valve cover, intake manifold, rear motor cover, valley cover, timing cover, oil pan, water pump, thermostat housing, motor mount and coil pack bolts, as well as exhaust studs. Applicable with or without headers. This kit provides significant savings over purchasing the various fasteners individually. Available in polished stainless steel or black oxide finish chrome mol with a choice of hex or 12-point heads.



**534-9805** – Engine & Accessory Fastener Kit (black oxide finish – hex head) for LS

**534-9705** – Engine & Accessory Fastener Kit (black oxide finish – 12-point head) for LS

**534-9605** – Engine & Accessory Fastener Kit (polished stainless steel – hex head) for LS

**534-9505** – Engine & Accessory Fastener Kit (polished stainless steel – 12-point head) for LS

**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*

**ARP**  
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