

# HLKT1R-00

LIFT KIT FOR THE HONDA TALON 1000X AND 1000R

# HL

**HIGHLIFTER**

**SEIZMIK™**

**FALCON RIDGE**

**SNORKEL**  
YOUR ATV

**SYSTEM 3**  
OFF-ROAD  
Traction. Strength. Style.

**EPI**  
PERFORMANCE



[sales@highlifter.com](mailto:sales@highlifter.com)



800-699-0947 | 8:00am - 5:00pm CST



7455 Atkinson Drive, Shreveport, LA 71129



[www.highlifter.com](http://www.highlifter.com)

Parts Available For These Popular Brands and Others

**POLARIS**

**can-am**



**HONDA**

**Kawasaki**



**YAMAHA**

# PRODUCT DISCLAIMER

The installation of products sold or manufactured by High Lifter Products including, but not limited to suspension components such as lift kits, gear reduction lifts, frame stiffener kits, snorkels, and tires that exceed the original specifications for the vehicle, may change the vehicle's center of gravity and handling characteristics both on- and off-road. You are aware that the installation of tires that are larger than original vehicle specifications may reduce the effectiveness of the braking system. Use of these products may place added stress to the original factory vehicle components which could cause them to weaken or possibly fail.

Products sold or manufactured by High Lifter Products are intended for off-road use only. Operation of a vehicle modified with these products on a road could result in serious bodily injury or death, and such operation may violate the laws of your state or municipality. You agree to operate your vehicle exclusively in the manner intended by the vehicle manufacturer. You agree that failure to safely and reasonably operate your vehicle could result in serious bodily injury or death, and that, as a result of installation of this product(s) to your vehicle, extreme care must be taken to prevent vehicle rollover or loss of control, which may be more likely to occur as a result of said modifications. You will avoid unsafe maneuvers, including sudden sharp turns or other abrupt maneuvers, which could make a vehicular accident more likely. You understand that High Lifter Products is not responsible or liable for any damages or any injuries to yourself or your passengers that could occur upon possible accidents due to driver error, incorrect installations, bad judgment, incompatibility with other aftermarket accessories or natural disasters to the fullest extent allowable by law.

You will have all vehicle occupants fasten seatbelts, if equipped, and wear proper safety equipment, such as DOT approved helmet and eye protection prior to operating the vehicle. You understand and acknowledge that failure to wear proper safety equipment may increase the risk of serious bodily injury or death to yourself and any passengers.

Proper installation of products sold or manufactured by High Lifter Products requires knowledge of the factory recommended procedures for removal and installation of original equipment components. Installation of these products without proper knowledge and experience may affect the performance of these components and the safety of the vehicle and cause serious bodily injury or death. It is strongly recommended that a certified mechanic familiar with the installation of similar components perform the product(s) installation.

Prior to installing any products sold or manufactured by High Lifter Products you will perform or cause to be performed an inspection of their vehicle to confirm its condition is suitable for the installation of these products. A proper inspection of the vehicle includes confirmation that the vehicle has not been in a collision and is free of corrosion. If the vehicle is suspected to have been in a collision or misused, or is otherwise unsuitable for modification, you will not install the product(s). You will continue to inspect the vehicle prior to each use to confirm its condition is suitable for its intended use, and you acknowledge that the failure to do so may result in serious bodily injury or death, as well as damage to the vehicle itself.

You will install any warning labels provided with the product so it may be prominently seen by yourself and all passengers. You will notify all passengers of the modifications performed to your vehicle prior to operation.

Insurance companies may handle coverage of a modified vehicle differently. Please check with your insurance carrier prior to modifying the vehicle to ensure your coverage remains sufficient.

Installation of this product(s) may void your vehicle warranty. If this is a concern, please check with the manufacturer or dealer before purchase or installation of this product(s).

# HIGHLIFTER



## HIGH LIFTER LIMITED LIFETIME WARRANTY

High Lifter offers a Limited Lifetime Warranty to the original purchaser that our product shall be free from defects in material and workmanship for the life of the product if utilized in accordance with the manufacturer's instructions for installation and operation of said products.

### LIMITED LIFETIME WARRANTY EXTENDS TO THE FOLLOWING PRODUCT LINES:

- **Lift Kits (Signature, Standard and Big Lifts)**
- **Control Arms**
- **Trailing Arms**
- **Radiator Relocation Kits**
- **Portal Gear Lifts**
- **Wheel Spacers**
- **Tow Hooks**
- **Control Arm Link Kits**

Damages to vehicle or any other object during the installation, use, or removal of High Lifter products are not covered under this warranty. Normal wear items included with any of the products covered under this Limited Lifetime Warranty are excluded from coverage. These items include, but are not limited to heim joints, tie rods, bearings, bushings, seals, gaskets, zinc plating, painted and powder coated finishes. Other exclusions of coverage under this warranty include, but are not limited to: damage or product failure due to improper installation, lack of maintenance, product modification, abuse, collision or use on vehicles for which product was not designed, repairs performed by anyone other than approved High Lifter personnel or made using non-High Lifter components. This warranty is valid for the original purchaser only and is non-transferable. High Lifter reserves the right to inspect any product before determining if the claim is valid and covered under this warranty. Claims determined to be caused by reasons other than a manufacturer defect will be rejected and an estimate for repair or cost of a replacement product if a repair is not possible, will be provided.

**This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title.**

### WARRANTY PROCESSING

If you suspect your product is defective, **DO NOT** disassemble the product to determine the cause without prior approval as it may void your warranty status. This is especially true with our Portal Gear Lift. To begin the claim process, please e-mail our warranty team at [warrantycare@highlifter.com](mailto:warrantycare@highlifter.com) and include the following in the e-mail:

- ☐ Your full name, address and contact phone number.
- ☐ The year, make and model of your vehicle
- ☐ The part number of the product
- ☐ Photos of the product installed, and vehicle product is installed on
- ☐ Proof of Purchase (Required for all warranty claims and you must be the original purchaser)

Once a claim is created, you will receive a return authorization number (RMA). Write this number on the outside of the box containing your defective product and include it along with your name and contact information inside the box. Product must be returned in the original box or a box of equal strength and packaging. Product sent without an RMA number visible on the outside of the box or sent COD will be refused. Ship your product to the following address:

#### High Lifter Products

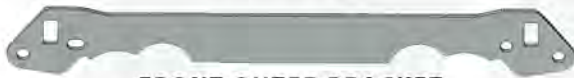
**Attn: Returns 7455 Atkinson Drive. Shreveport, LA 71129**

Once your product is received, we often have your replacement or repaired product shipped back to you within 3-business days of receiving it. Please note that High Lifter is not responsible for shipping charges on product returned for warranty or repair, including duties and fees required by those residing outside the United States.

**THANK YOU FOR CHOOSING**  
**HIGHLIFTER**

# PARTS

## HONDA TALON 1000X 73-16472



**FRONT OUTER BRACKET**  
73-16466  
QTY:1



**FRONT INNER BRACKET**  
73-16465  
QTY:1



**REAR LIFT BRACKET - L**  
73-16467 - L  
QTY:1



**REAR LIFT BRACKET - R**  
73-16467 - R  
QTY:1

**M12X70MM BOLT**  
54-60986  
QTY:2



**M12X75MM BOLT**  
54-60987  
QTY:6



**M12 NUT**  
54-61040  
QTY:16



**4Y SPACER**  
73-11780  
QTY:2



**AA SPACER**  
73-13101  
QTY:2



**64i SPACER**  
73-11520  
QTY:2



**M12 FLAT WASHER**  
54-61027  
QTY:8



## HONDA TALON 1000R 73-16501



**FRONT OUTER BRACKET**  
73-16487  
QTY:1



**FRONT INNER BRACKET**  
73-16486  
QTY:1



**REAR SPRING SPACER**  
73-16477  
QTY:2

**M12X60MM BOLT**  
54-60997  
QTY:2



**M12X75MM BOLT**  
54-60987  
QTY:2



**M12 NUT**  
54-61040  
QTY:4



**64i SPACER**  
73-11520  
QTY:2



**M12 FLAT WASHER**  
54-61027  
QTY:8





## STEP 1

## SETUP

PLACE JACK UNDER THE MACHINE AND LIFT UNTIL THE WHEELS ARE OFF THE GROUND. BE CAREFUL TO SECURE PROPERLY SO IT IS STABLE ON THE JACK OR JACKSTANDS. REMOVE WHEELS.



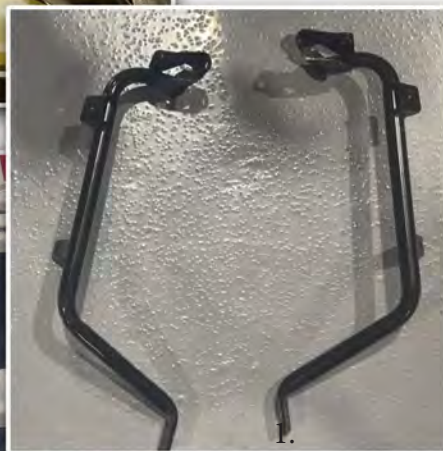
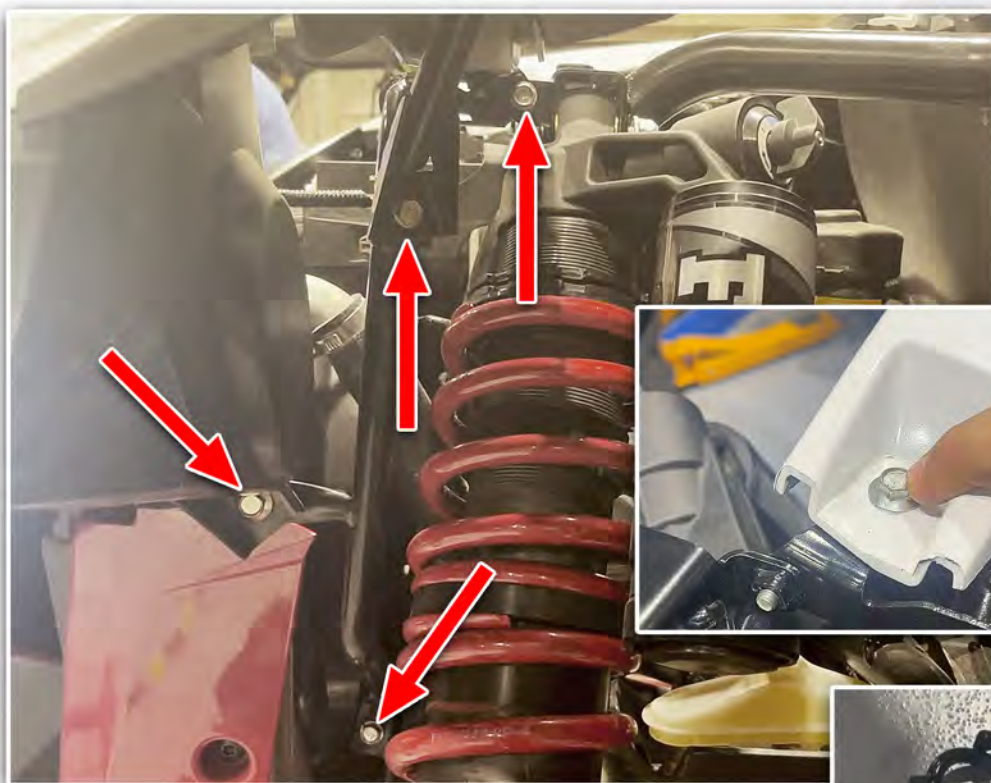
## STEP 2

## REMOVE STOCK HARDWARE

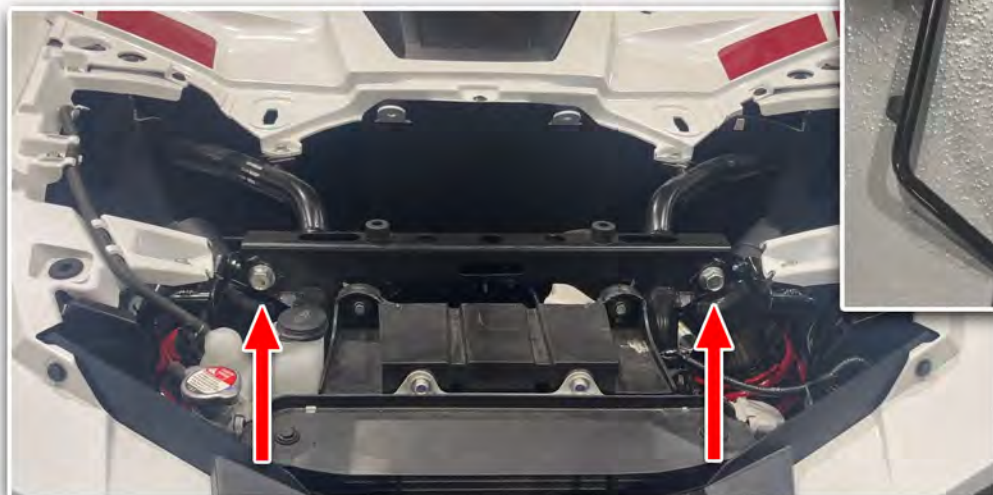
REMOVE THE HOOD.

YOU WILL NEED TO REMOVE THESE BRACKETS BY REMOVING THE BOLTS LIKE IN THE IMAGE TO THE LEFT.

KEEP THE FACTORY HARDWARE BECAUSE YOU WILL REINSTALL THE BRACKETS ONCE THE LIFT BRACKETS ARE INSTALLED.



NEXT, REMOVE THE TWO FACTORY SHOCK BOLTS. AND MOVE THE SHOCKS ASIDE.





## STEP 3

## SLIDE BRACKETS INTO PLACE

SET THE FRONT PART OF THE LIFT BRACKET INTO PLACE SITTING IN THE FRONT OF THE CHANNEL.



THE REAR BRACKET SLIDES IN BEHIND THE FRONT BRACKET INSIDE THE FRAME CHANNEL LIKE IN THE IMAGE TO THE RIGHT.



## STEP 4

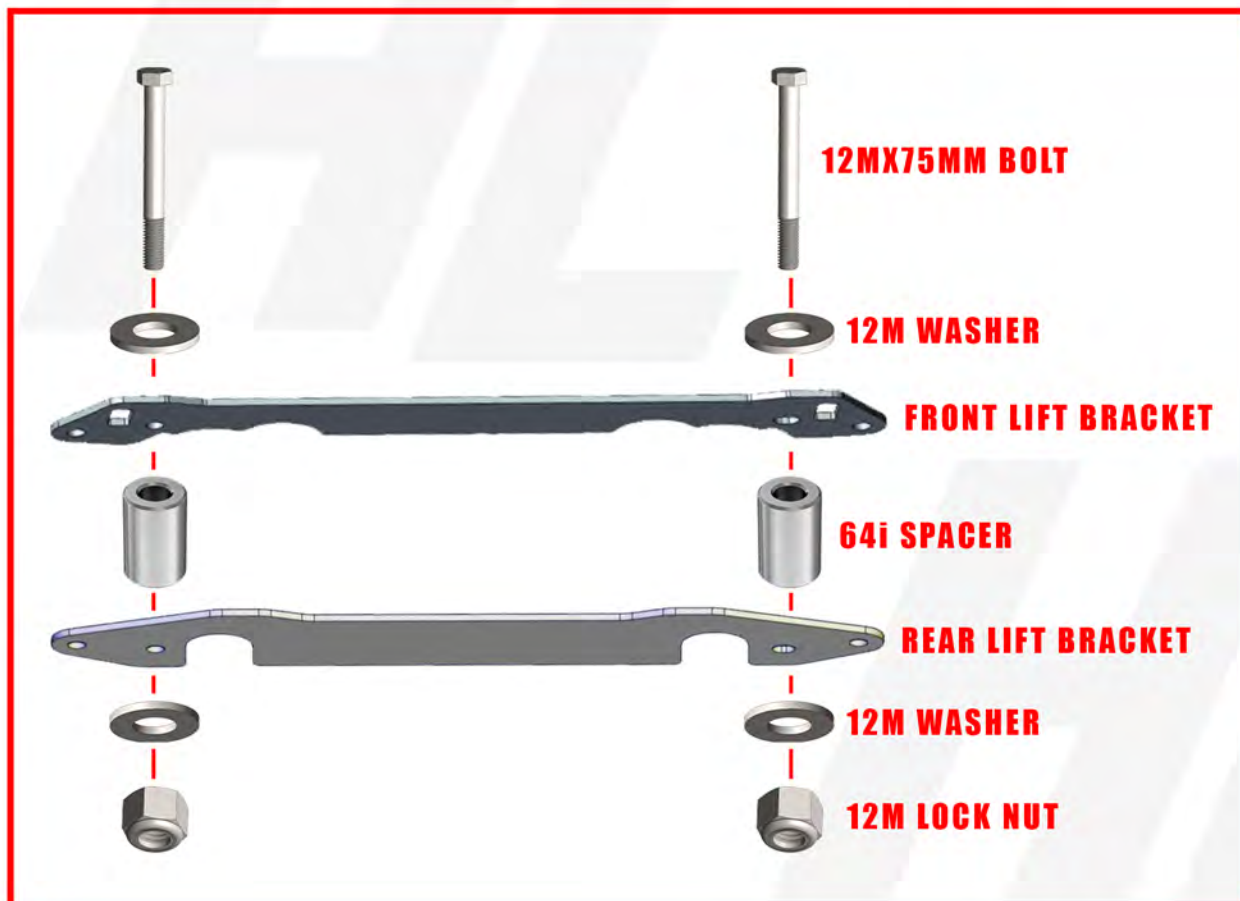
## INSTALLATION

ONCE THE BRACKETS ARE LINED UP INSERT THE BOLTS WITH WASHERS ON EACH END THROUGH A SPACER AND THE BRACKETS.

REFER TO THE PICTURE TO THE RIGHT AND THE DIAGRAM BELOW.



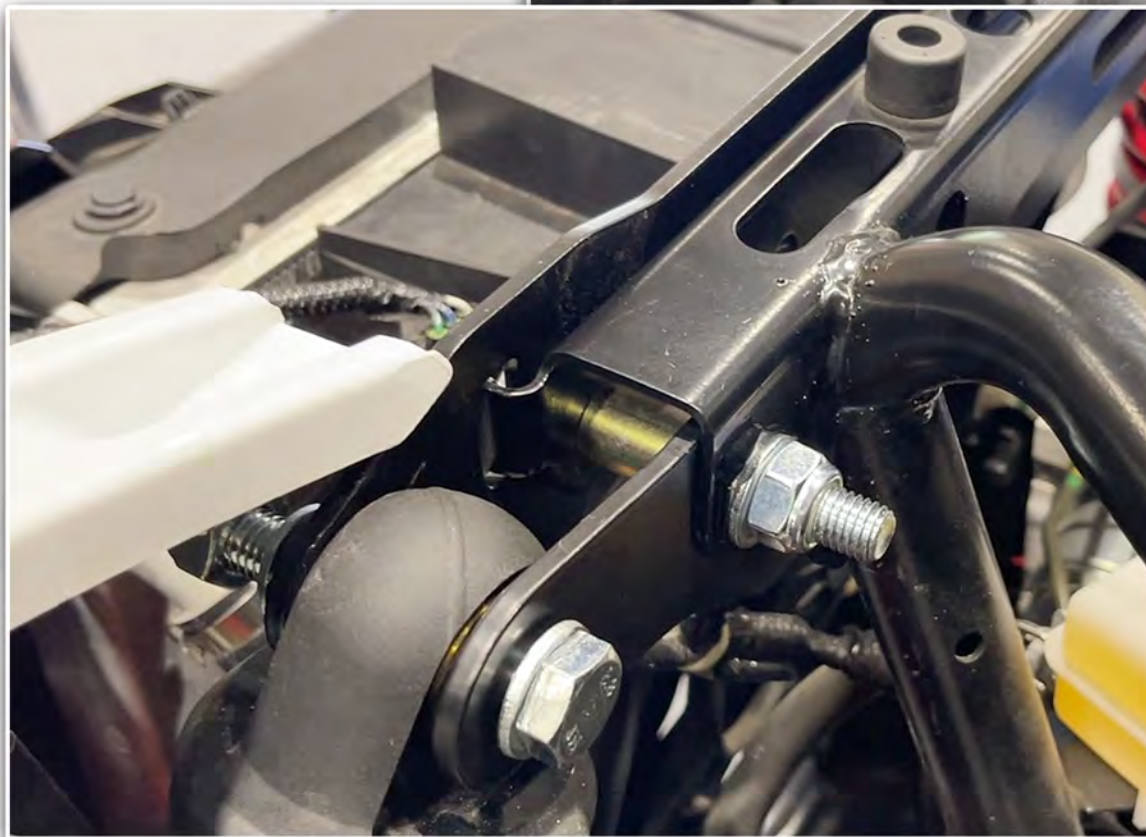
*\*THE SPACER IS SET BETWEEN THE TWO BRACKETS INSIDE THE FRAME CHANNEL.*





**NOW USING THE PROVIDED M12X70MM BOLTS AND NUTS WITH WASHERS ON EACH END INSTALL THE SHOCKS.**

***IF YOU ARE INSTALLING ONTO THE 1000R USE TWO M12X60MM BOLTS.***



**ENSURE THAT EVERYTHING FITS PROPERLY THEN TIGHTEN TO SPEC REINSTALL THE TWO BRACKETS YOU PREVIOUSLY REMOVED, REINSTALL WHEELS AND LOWER THE JACK.**

***TORQUE SPECS CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.***



## STEP 6

## REAR SETUP

PLACE JACK UNDER THE MACHINE AND LIFT UNTIL THE WHEELS ARE OFF THE GROUND. BE CAREFUL TO SECURE PROPERLY SO IT IS STABLE ON THE JACK OR JACKSTANDS. REMOVE WHEELS.



THESE STEPS ARE FOR THE TALON 1000X IF YOU INSTALLING ONTO A 1000R SKIP TO PAGE 8.

## STEP 7

## REMOVE STOCK HARDWARE

REMOVE THE STOCK LOWER SHOCK BOLT THEN MOVE THE SHOCK TO THE SIDE.



## STEP 8

## PLACE LOWER LIFT BRACKET



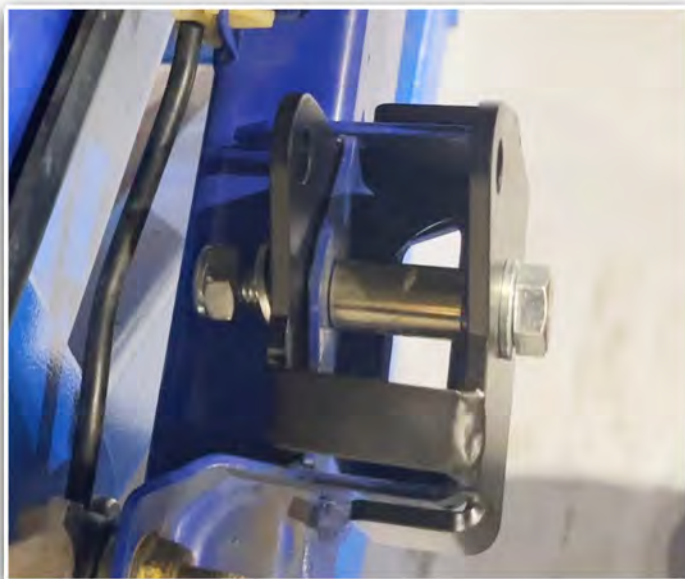
SET THE LOWER LIFT BRACKET OVER THE SHOCK TAB ON THE TRAILING ARM LIKE IN THE PICTURE TO THE LEFT.



## STEP 9

## INSTALLATION

NOW, SET A 4Y SPACER INSIDE THE BRACKET THEN SLIDE A 12MX70MM BOLT THROUGH WITH A WASHER. ONCE THROUGH PUT ANOTHER WASHER ON THE END THEN A 12M NUT.



NEXT, INSTALL THE SHOCK. ONCE THE SHOCK IS LINED UP INSERT A 12MX70MM BOLT WITH A WASHER THROUGH THE SHOCK AND THE AA SPACER. ONCE THROUGH PUT ANOTHER WASHER ON THE END THEN A 12M NUT.

ENSURE THAT EVERYTHING FITS CORRECTLY THEN TIGHTEN TO SPEC, REINSTALL THE WHEELS AND LOWER THE JACK. *TORQUE SPECS CAN BE FOUND AT THE END OF THESE INSTRUCTIONS.*



Thank You For Choosing  
***HIGHLIFTER***



## STEP 6

## SHOCK REMOVAL

PLACE JACK UNDER THE CENTER OF REAR AND LIFT UNTIL THE WHEELS ARE OFF THE GROUND. BE CAREFUL TO SECURE PROPERLY SO IT IS STABLE ON THE JACK OR JACK STANDS. REMOVE WHEELS.



*\*FOLLOW THESE STEPS IF YOU ARE INSTALLING ONTO A TALON 1000R.*

REMOVE THE SHOCKS FROM THE REAR OF THE ATV BY REMOVING THE TWO FACTORY BOLTS.

## STEP 5

## SPRING REMOVAL

NEXT, YOU WILL NEED TO COMPRESS THE SPRING AND REMOVE THE RETAINING RING AT THE TOP OF THE SHOCK AND REMOVE THE STOCK SPRING.

NOTE: YOU WILL NEED A GOOD HEAVY DUTY SPRING COMPRESSOR. MOST LOCAL PARTS STORES HAVE THEM FOR RENT OR FOR SALE.





ONCE YOU HAVE REMOVED THE SPRING, PLACE THE LIFT BRACKET ONTO THE SHOCK BODY WITH THE SPRING ALIGNMENT RIDGE FACING TOWARD THE PISTON.

PLACE THE SPRING BACK ONTO THE SHOCK AND COMPRESS THE SPRING TO INSTALL THE RETAINING RING ON THE SHOCK.



REATTACH THE SHOCK TO THE ATV. USING THE FACTORY HARDWARE. TORQUE TO FACTORY SPECS.



**REPEAT ALL STEPS  
ON OPPOSITE SIDE.  
REINSTALL WHEELS  
LOWER THE JACK.**

Thank You For Choosing  
**HIGHLIFTER**



**THE TORQUE VALUES CAN ONLY BE ACHIEVED IF THE NUT (OR TAPPED HOLE) HAS A PROOF LOAD GREATER THAN OR EQUAL TO THE BOLTS MINIMUM ULTIMATE TENSILE STRENGTH. CLAMP LOAD IS CALCULATED AS 75% OF THE PROOF LOAD WHEN SPECIFIED BY THE STANDARD. ASTM A307 UTILIZED 75% OF 36,000 PSI.**

**TORQUE VALUES FOR 1/4 AND 5/16 IN SERIES ARE IN INCH POUNDS.**

**ALL OTHERS ARE IN FOOT-POUNDS.**

**TORQUE-TENSION RELATIONSHIP FOR A307A, GRADE 5 & 8**

| NOMINAL DIA.<br>(in.)        | THREADS PER INCH | TENSILE STRESS AREA<br>(Sq. in.) |  SAE J429 - GRADE 5 |                   |           |            |  SAE J429 - GRADE 8 |                   |            |            |
|------------------------------|------------------|----------------------------------|-----------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------------------------------------------------------------------------------------------------|-------------------|------------|------------|
|                              |                  |                                  | CLAMP LOAD<br>(lbs.)                                                                                | TIGHTENING TORQUE |           |            | CLAMP LOAD<br>(lbs.)                                                                                  | TIGHTENING TORQUE |            |            |
|                              |                  |                                  |                                                                                                     | K=0.15            | K=0.17    | K=0.20     |                                                                                                       | K=0.15            | K=0.17     | K=0.20     |
| UNIFIED COARSE THREAD SERIES |                  |                                  |                                                                                                     |                   |           |            |                                                                                                       |                   |            |            |
| 1/4                          | 20               | 0.0318                           | 2029                                                                                                | 76 in-lbs         | 86 in-lbs | 101 in-lbs | 2864                                                                                                  | 107 in-lbs        | 122 in-lbs | 143 in-lbs |
| 5/16                         | 18               | 0.0524                           | 3342                                                                                                | 157               | 178       | 209        | 4719                                                                                                  | 221               | 251        | 295        |
| 3/8                          | 16               | 0.0775                           | 4940                                                                                                | 23 ft-lbs         | 26 ft-lbs | 31 ft-lbs  | 6974                                                                                                  | 33 ft-lbs         | 37 ft-lbs  | 44 ft-lbs  |
| 7/16                         | 14               | 0.1063                           | 6777                                                                                                | 37                | 42        | 49         | 9568                                                                                                  | 52                | 59         | 70         |
| 1/2                          | 13               | 0.1419                           | 9046                                                                                                | 57                | 64        | 75         | 12771                                                                                                 | 80                | 90         | 106        |
| 9/16                         | 12               | 0.1819                           | 11599                                                                                               | 82                | 92        | 109        | 16375                                                                                                 | 115               | 130        | 154        |
| 5/8                          | 11               | 0.2260                           | 14408                                                                                               | 113               | 128       | 150        | 20340                                                                                                 | 159               | 180        | 212        |
| 3/4                          | 10               | 0.3345                           | 21322                                                                                               | 200               | 227       | 267        | 30101                                                                                                 | 282               | 320        | 376        |
| 7/8                          | 9                | 0.4617                           | 29436                                                                                               | 322               | 365       | 429        | 41556                                                                                                 | 455               | 515        | 606        |
| 1                            | 8                | 0.6057                           | 38616                                                                                               | 483               | 547       | 644        | 54517                                                                                                 | 681               | 772        | 909        |
| 1-1/4                        | 7                | 0.9691                           | 53786                                                                                               | 840               | 952       | 1121       | 87220                                                                                                 | 1363              | 1545       | 1817       |
| 1-1/2                        | 6                | 1.4053                           | 77991                                                                                               | 1462              | 1657      | 1950       | 126473                                                                                                | 2371              | 2688       | 3162       |
| FINE THREAD SERIES           |                  |                                  |                                                                                                     |                   |           |            |                                                                                                       |                   |            |            |
| 1/4                          | 28               | 0.0364                           | 2319                                                                                                | 87 in-lbs         | 99 in-lbs | 116 in-lbs | 3274                                                                                                  | 123 in-lbs        | 139 in-lbs | 164 in-lbs |
| 5/16                         | 24               | 0.0581                           | 3702                                                                                                | 174               | 197       | 231        | 5226                                                                                                  | 245               | 278        | 327        |
| 3/8                          | 24               | 0.0878                           | 5599                                                                                                | 26 ft-lbs         | 30 ft-lbs | 35 ft-lbs  | 7905                                                                                                  | 37 ft-lbs         | 42 ft-lbs  | 49 ft-lbs  |
| 7/16                         | 20               | 0.1187                           | 7568                                                                                                | 41                | 47        | 55         | 10684                                                                                                 | 58                | 66         | 78         |
| 1/2                          | 20               | 0.1600                           | 10197                                                                                               | 64                | 72        | 85         | 14396                                                                                                 | 90                | 102        | 120        |
| 9/16                         | 18               | 0.2030                           | 12940                                                                                               | 91                | 103       | 121        | 18268                                                                                                 | 128               | 146        | 171        |
| 5/8                          | 18               | 0.2560                           | 16317                                                                                               | 127               | 144       | 170        | 23036                                                                                                 | 180               | 204        | 240        |
| 3/4                          | 16               | 0.3730                           | 23776                                                                                               | 223               | 253       | 297        | 33566                                                                                                 | 315               | 357        | 420        |
| 7/8                          | 14               | 0.5095                           | 32479                                                                                               | 355               | 403       | 474        | 45853                                                                                                 | 502               | 568        | 669        |
| 1                            | 14               | 0.6799                           | 43343                                                                                               | 542               | 614       | 722        | 61190                                                                                                 | 765               | 867        | 1020       |
| 1-1/4                        | 12               | 1.0729                           | 59548                                                                                               | 930               | 1055      | 1241       | 96565                                                                                                 | 1509              | 1710       | 2012       |
| 1-1/2                        | 12               | 1.5810                           | 87747                                                                                               | 1645              | 1865      | 2194       | 142292                                                                                                | 2668              | 3024       | 3557       |

**TORQUE-TENSION RELATIONSHIP FOR METRIC FASTENERS**

| NOMINAL DIA.<br>(in.) | PITCH | 8.8 CLASS 8.8        |                        |                         |                       | 10.9 CLASS 10.9      |                        |                         |                       | 12.9 CLASS 12.9      |                        |                         |                       |
|-----------------------|-------|----------------------|------------------------|-------------------------|-----------------------|----------------------|------------------------|-------------------------|-----------------------|----------------------|------------------------|-------------------------|-----------------------|
|                       |       | CLAMP LOAD<br>(lbs.) | TIGHTENING TORQUE      |                         |                       | CLAMP LOAD<br>(lbs.) | TIGHTENING TORQUE      |                         |                       | CLAMP LOAD<br>(lbs.) | TIGHTENING TORQUE      |                         |                       |
|                       |       |                      | LUBRICATED<br>(ft-lbs) | ZINC PLATED<br>(ft-lbs) | PLAIN&DRY<br>(ft-lbs) |                      | LUBRICATED<br>(ft-lbs) | ZINC PLATED<br>(ft-lbs) | PLAIN&DRY<br>(ft-lbs) |                      | LUBRICATED<br>(ft-lbs) | AS RECEIVED<br>(ft-lbs) | PLAIN&DRY<br>(ft-lbs) |
| 4                     | 0.7   | 858                  | 1.7                    | 1.9                     | 2.3                   | 1228                 | 2.4                    | 2.7                     | 3.2                   | 1436                 | 2.8                    | 3.2                     | 3.8                   |
| 5                     | 0.8   | 1387                 | 3.4                    | 3.9                     | 4.5                   | 1985                 | 4.9                    | 5.5                     | 6.5                   | 2319                 | 5.7                    | 6.5                     | 7.5                   |
| 6                     | 1     | 1968                 | 5.8                    | 6.6                     | 7.7                   | 2816                 | 8.3                    | 9.4                     | 11.1                  | 3291                 | 9.7                    | 11.0                    | 13.0                  |
| 7                     | 1     | 2822                 | 9.7                    | 11.0                    | 13.0                  | 4039                 | 13.9                   | 15.8                    | 18.5                  | 4720                 | 16.3                   | 18.4                    | 21.7                  |
| 8                     | 1.25  | 3580                 | 14.1                   | 16.0                    | 18.8                  | 5123                 | 20.2                   | 22.9                    | 26.9                  | 5987                 | 23.6                   | 26.7                    | 31.4                  |
| 10                    | 1.5   | 5671                 | 27.9                   | 31.6                    | 37.2                  | 8115                 | 39.9                   | 45.2                    | 53.2                  | 9484                 | 46.7                   | 52.9                    | 62.2                  |
| 12                    | 1.75  | 8240                 | 48.7                   | 55.1                    | 64.9                  | 11792                | 69.6                   | 78.9                    | 92.8                  | 13781                | 81.4                   | 92.2                    | 108.5                 |
| 14                    | 2     | 11289                | 77.8                   | 88.1                    | 103.7                 | 16154                | 111.3                  | 126.1                   | 148.4                 | 18879                | 130.0                  | 147.4                   | 173.4                 |
| 16                    | 2     | 15320                | 121                    | 137                     | 161                   | 21924                | 173                    | 196                     | 230                   | 25622                | 202                    | 229                     | 269                   |
| 18                    | 2.5   | 18822                | 167                    | 189                     | 222                   | 26934                | 239                    | 270                     | 318                   | 31477                | 279                    | 316                     | 372                   |
| 20                    | 2.5   | 23938                | 236                    | 267                     | 314                   | 34256                | 337                    | 382                     | 449                   | 40034                | 394                    | 446                     | 525                   |
| 22                    | 2.5   | 29669                | 321                    | 364                     | 428                   | 42457                | 460                    | 521                     | 613                   | 49619                | 537                    | 609                     | 716                   |
| 24                    | 3     | 34471                | 407                    | 461                     | 543                   | 49329                | 582                    | 660                     | 777                   | 57649                | 681                    | 771                     | 908                   |
| 27                    | 3     | 44924                | 597                    | 676                     | 796                   | 64288                | 854                    | 968                     | 1139                  | 75132                | 998                    | 1131                    | 1331                  |
| 30                    | 3.5   | 54819                | 809                    | 917                     | 1079                  | 78448                | 1158                   | 1312                    | 1544                  | 91680                | 1353                   | 1534                    | 1804                  |
| 33                    | 3.5   | 67821                | 1101                   | 1248                    | 1468                  | 97055                | 1576                   | 1786                    | 2101                  | 113425               | 1842                   | 2087                    | 2455                  |
| 36                    | 4     | 79866                | 1415                   | 1603                    | 1886                  | 114291               | 2024                   | 2294                    | 2699                  | 133569               | 2366                   | 2681                    | 3154                  |

**TORQUE VALUES CALCULATED FROM FORMULA T=KDF:**

**K=0.15 FOR "LUBRICATED" CONDITIONS**

**K= 0.17 FOR ZINC PLATED AND DRY CONDITIONS, ALSO THE USE OF VARIOUS FORMS OF THREAD LOCKERS HAVE A SIMILAR K VALUE**

**K=0.20 FOR PLAIN DRY CONDITIONS**

**D= NOMINAL DIAMETER**

**F=CLAMP LOAD**

**NOTE: WHEN USING ZINC PLATED (LUBRICATED WITH WAX) TOP LOCK NUTS, THE K VALUE CAN VARY FROM 0.12 TO 0.16.**

CAUTION: ALL MATERIAL INCLUDED IN THESE CHARTS IS ADVISORY ONLY. EXTREME CAUTION SHOULD BE USED WHEN USING A FORMULA FOR TORQUE/TENSION REALATIONSHIPS. TORQUE IS ONLY AN INDIRECT INDICATION OF TENSION. UNDER/OVER TIGHTENING OF FASTENERS CAN RESULT IN COSTLY EQUIPMENT FAILURE OR PERSONAL INJURY.