



**STINGER BUMP STOPS**  
**KU71088BK LONG, SINGLE**  
**KU71089BK SHORT, SINGLE**  
**KU71090BK LONG, PAIR**  
**KU71091BK SHORT, PAIR**



**KU71088BK**



**KU71089BK**

[www.Daystarweb.com](http://www.Daystarweb.com)  
Tech Support Contact Info  
[Tech@DaystarWeb.com](mailto:Tech@DaystarWeb.com)  
Phone: 623.907.0081  
Fax: 623.907.0088  
841 South 71<sup>st</sup> Avenue  
Phoenix, AZ 85043

**Instruction Sheet P20376**  
**2010 Daystar Products International Inc.**

## Thank you for choosing Daystar Products

Daystar recommends a certified technician install this system . In addition to these instruction , professional knowledge of disassemble/reassembly procedures as well as post instructions checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating of the vehicle.

Please read all the instructions before beginning the installation. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. If anything is missing , do not proceed with the installation, Call Daystar Products to obtain needed items.

### Product Use Information

As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend , because of rollover possibility, that Seat belts and shoulder harness be worn at all times. Avoid situations where a side rollover may occur.

Braking performance and capabilities are decreased when significantly large/heaver tires and wheels are used. Take this into consideration while driving, Also , speedometer recalibration is necessary when larger tires are installed.

Do no add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Daystar Product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lift voids all warranties. Daystar makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any products that is altered.

### Notice to Dealer and Vehicle Owner

Any vehicle equipped with any Daystar Product must have the “Warning to diver” decal installed on the sun visor or dash. The decal is to act a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALER— Its is your responsibility to install the warning decal and forward these instructions on too the vehicle owner for review and to be kept in the vehicle for service life.

After installation occurs, a qualified alignment facility is required to align the vehicle to factory specs.

### Installation steps

IMPORTANT NOTE: Stinger Bump stops are not intended for racing! They are designed for high-performance recreational vehicle use. Also note that the EVS foam bump stop inserts are good for approximately 5,000 cycles; they are a wear item and will need to be replaced periodically. Daystar offers replacement foam inserts separately.

NOTE: These bump stops are a universal fit, which means they can be adapted to many applications. However, proper installation will require some fabrication skills as well as a suitable mounting system. These bump stops can utilize any standard 2" diameter "bump can" mount, which are available from many sources and in many configurations. Daystar does offer an optional weld-on cap, which is available separately (#KU71092).

1. Determine the desired length of the stinger bump stop when installed on the vehicle. If it is necessary to shorten the stroke, Daystar includes a spacer that is installed under the inner bump stop (between the bump stop and the bronze insert)..
2. Thread the inner (square-edged) bump stop on the end of the piston shaft **With THREAD LOCK ON BOTH ENDS OF THE PISTON SHAFT.** If needed, slide the piston spacer on to the shaft next. Now slide the bronze insert on to the shaft (the threads on the insert should face the bump stop).
3. Thread the bronze insert into the end of the bump stop tube closest to the groove present on the outside of the tube. Tighten.
4. Determine which foam inserts to use: hard (black) or medium (blue). These inserts can be mixed and matched as desired. Insert the appropriate amount of foam inserts into the tube, then install the bump stop cap. Tighten.
5. Install the snap ring in the groove on the outside of the tube.
6. Install the Stinger in a suitable mounting bracket. Make sure there is a suitable landing pad for the bump stop; this pad should be flat and perpendicular to the piston. For best results, we recommend a certain amount of "normal" suspension travel before the bump stop makes contact with the landing pad.

### BILL OF MATERIALS

#### KU71088BK LONG BUMP STOP BOM

S20191-C01 X 1 BUMP STOP CAN  
S20191-C02 X 1 END CAP  
S20191-C03 X 1 BRONZE CAP  
S20191-C04 X 1 SHAFT  
M20433 X 1 BUMP STOP OUTER  
M20552 X 1 BUMP STOP INNER  
M20375 X 1 SPACER  
M20175 X 3 BLUE FOAM BUMP STOPS  
M20174 X 3 BLACK FOAM BUMP STOPS  
P20344 X 1 STEEL RETAINING RING  
P11153 X 1 THREAD LOCK

#### KU71089BK SHORT BUMP STOP BOM

S20341-C01 X 1 BUMP STOP CAN  
S20191-C02 X 1 END CAP  
S20191-C03 X 1 BRONZE CAP  
S20341-C04 X 1 SHAFT  
M20433 X 1 BUMP STOP OUTER  
M20552 X 1 BUMP STOP INNER  
M20175 X 2 BLUE FOAM BUMP STOPS  
M20174 X 2 BLACK FOAM BUMP STOPS  
M20375 X 2 SPACER  
P20344 X 1 STEEL RETAINING RING  
P11153 X 1 THREAD LOCK

Note : For pair kits, double all quantities.

WELD-ON CAP  
KU71092BK

