



INSTALLATION INSTRUCTIONS

BUMPER

Part Number: 72229

Applications: 2005+ Suzuki King Quad 700
2007+ Suzuki King Quad 450

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

WARNING signals a hazard that *could* cause serious injury or death, if you do not follow recommendations. **CAUTION** signals a hazard that *may* cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note** to emphasize general information worthy of special attention.

WARNING

INJURY HAZARD

Failure to observe these instructions could lead to severe injury or death.

- Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when / if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- Always** use extreme caution when cutting and trimming during fitting.
- Always** remove jewelry and wear eye protection.
- Never** lean over battery while making connections.
- Never route electrical cables:**
 - Across any sharp edges.
 - Through or near moving parts.
 - Near parts that become hot.
- Always** insulate and protect all exposed wiring and electrical terminals.
- Always** install terminal boots as directed in installation instructions.
- Always** use appropriate and adequate care in lifting components into place.
- Always** insure components will remain secure during installation and operation.
- Always** tighten all nuts and bolts securely, per the installation and operation.
- Always** perform regular inspections and maintenance on the bumper and related hardware.
- Never** operate this **WARN** product with damaged or missing parts.

⚠ Caution
Moving Parts Entanglement Hazard
Failure to observe these instructions could lead to minor or moderate injury.
<input type="checkbox"/> Always take time to fully read and understand the installation and Operations Guide included with this product. <input type="checkbox"/> Never operate this product if you are under 16 years of age. <input type="checkbox"/> Never operate this product when under the influence of drugs, alcohol or medications.
Read installation and operating instructions thoroughly.

Notice
Equipment Damage
<input type="checkbox"/> Always refer to the Installation and Specification Guide, supplied in the winch kit, for all wiring schematics and specific details on how to wire this WARN product to your vehicle.
Read installation and operating instructions thoroughly.

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II. TOOLS REQUIRED

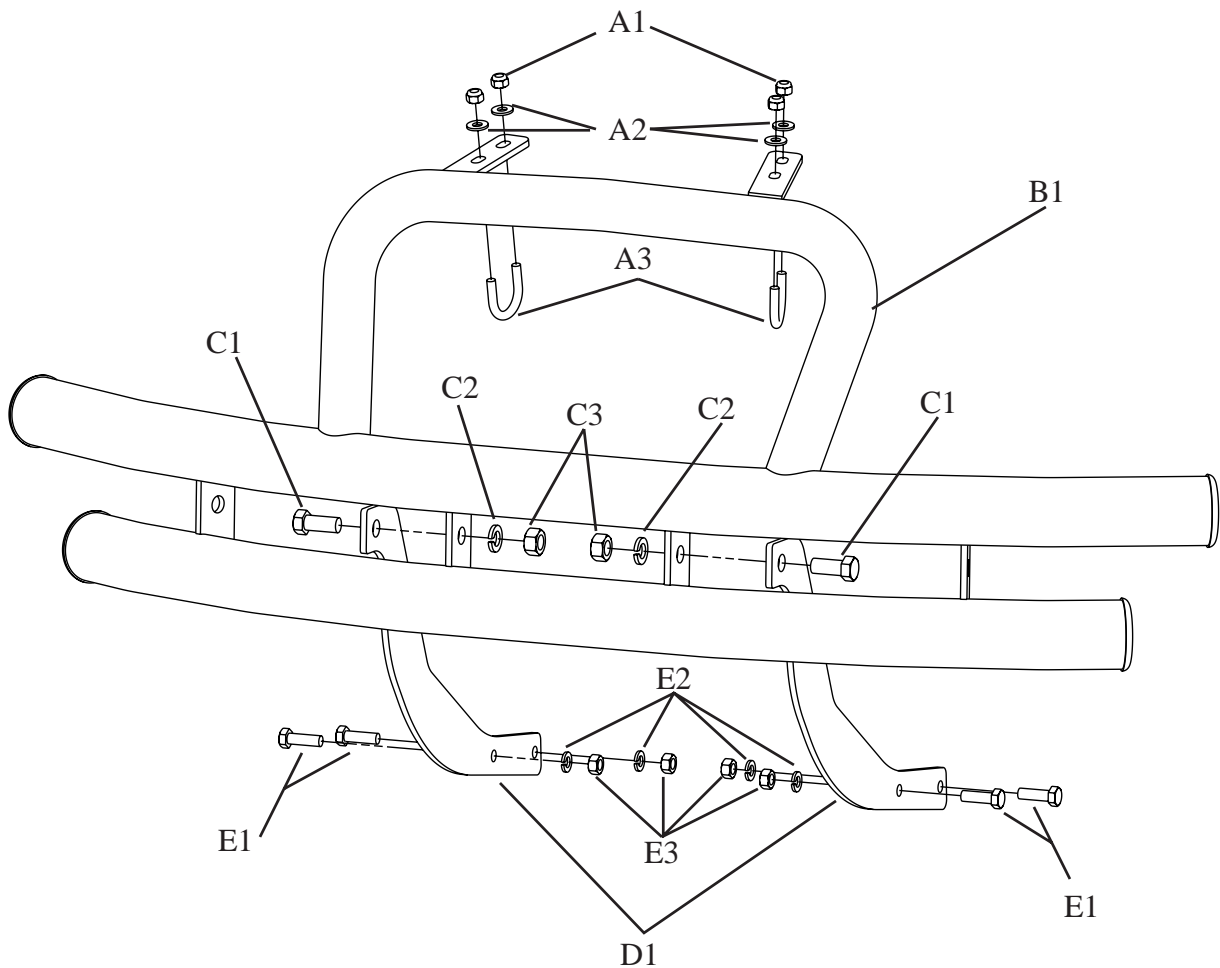
- 7/16 Wrench or Socket
- 1/2 Wrench
- 1/2 Socket
- 5/8 Wrench
- Socket Wrench

III. FASTENER TORQUE SPECIFICATIONS

1/4 & M6	8 lb. ft. (10.8 N-m)
5/16 & M8	17 lb. ft. (12.5 N-m)
3/8 & M10	30 lb. ft. (40.7 N-m)
7/16	50 lb. ft. (67.8 N-m)
1/2	75 lb. ft. (101.7 N-m)

IV. PARTS LIST

<i>Ref.</i>	<i>Qty</i>	<i>Description</i>
A1	4	1/4-20 Lock Nut
A2	4	1/4-20 Flat Washer
A3	2	1/4-20 x 1.00" x 1.50" U-Bolt
B1	1	Bumper
C1	2	7/16-14 x 1" Hex Head Bolt
C2	2	7/16 Lock Washer
C3	2	7/16-14 Hex Nut
D1	2	Bumper Mounting Brackets
E1	4	5/16-18 x 1" Hex Head Bolt
E2	4	5/16 Flat Washer
E3	4	5/16-18 Lock Nut



VI. INSTALLATION

1. Assemble bumper mounting to ATV frame using (2) 5/16-18x1" hex head bolts, (2) 5/16 flat washers and (2) 5/16-18 lock nuts.

Note: Do not tighten at this time.

Note: Bumper mounting brackets will be assembled to outside of tabs on ATV frame.



Figure 1

2. Assemble bumper to bumper mounting brackets using (2) 7/16-14x1" hex head bolts, (2) 7/16" lock washers and (2) 7/16-14 hex nuts. See Figure 2.



Figure 2

3. Attach upper bumper bracket to ATV rack using (2) 1/4-20 u-bolts, (4) 1/4" lock washers and (4) 1/4-20 hex nuts.



Figure 3

INSTALLATION CONT.

4. Tighten bolts at this time to recommended torque specifications found on page two, starting with lower bolts attaching bumper mounting brackets to ATV frame.

See Figure 4 for completed installation.



Figure 4

⚠ WARNING

**READ THE VEHICLE'S OPERATOR MANUAL,
WINCH OPERATOR MANUAL, AND ALL WARN-
ING LABELS PRIOR TO OPERATION OF ATV.**

THE BUMPER INSTALLATION IS NOW COMPLETE.

PROCEED TO SECTION TITLED "MAINTENANCE/CARE".

 WARNING

FAILURE TO SECURELY TIGHTEN ALL BOLTS ON THE BUMPER CAN RESULT IN PRODUCT FAILURE WHICH MAY RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH. DOUBLE CHECK THAT ALL BOLTS ARE SECURELY TIGHTENED PRIOR TO USE.

VII. MAINTENANCE/CARE

1. Inspect all parts on the bumper and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the bumper, and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.

 WARNING

PERFORM REGULAR INSPECTIONS ON THE BUMPER AND RELATED HARDWARE. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.