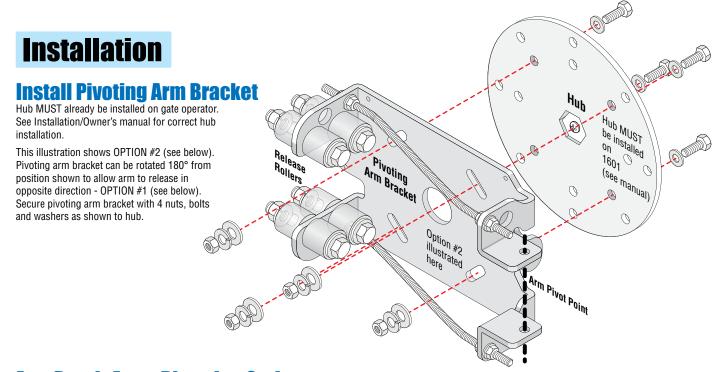
1601-285

1601 BREAK-AWAY ALUMINUM ARM INSTALLATION KIT

This kit is designed for a 1601 barrier gate operator ONLY. Not for use on 1602 or 1603 operators. The kit provides a break-away bracket assembly for an aluminum arm ONLY. If the arm is struck and breaks away (pivots in ONE DIRECTION ONLY, see below), gate operator will automatically shut down. The arm simply snaps back into the release rollers. Power needs to be shut off then turned back on to reset the operator to function normally again.

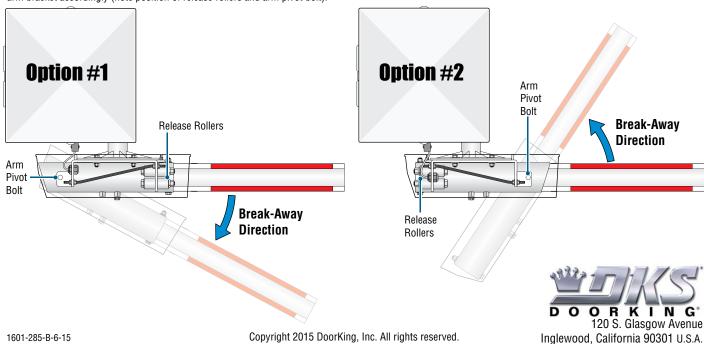
Kit Includes: Arm Pivot Bracket Assembly, Arm Sleeve, Arm Wire Harness, Relay Wire Harness, Relay Mounting Plate Assembly, Arm Pivot Bolt, Arm Securing Bolt, Zip Ties, Adhesive Zip Ties, Plastic Arm Cover

Optional Arms Available (sold separately): Aluminum Arm with LEDs P/N 1601-520 Aluminum Arm without LEDs P/N 1601-522



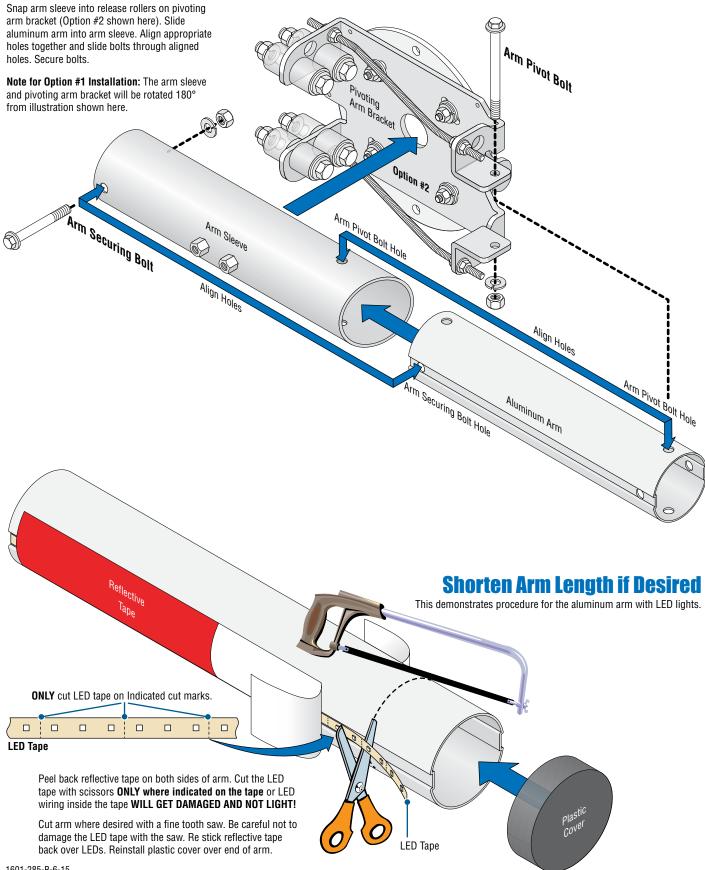
Arm Break-Away Direction Options

Arm will only pivot in **ONE DIRECTION** depending on which way the pivoting arm bracket is installed. Choose the desired break-away direction and install pivoting arm bracket accordingly (note position of release rollers and arm pivot bolt).



Installation Continued

Attach Arm



Wiring

Far Side **Wire Run Options** in Operator Knock Out **Cabinet** Wire Run Secured to Top of Cabinet Included Adhesive Zip Ties Knock Out ${\rm N_{\rm ear}\, s_{\rm ide}}$ o_{ption} Existing. Wire Restrainer O_{perator} Cabinet Note: Use existing wire restrainers to secure arm wire harness in operator cabinet. Make sure all wires are clear of moving parts.

Arm Wire Harness

Mount Arm Wire Harness Connector in Knock-Out hole on operator cabinet.

Allow enough slack in the wire for rotating arm.

Mount Arm Wire Harness Connector Note: Connector mounting

position is different for Option #1, see Break-Away Direction Options on page 1 and Wiring Schematics on

page 4.

Secure Arm Wire Harness to Bracket

Use included wire restrainer and zip ties to secure ALL wires to pivoting arm bracket after making connections. Allow for some slack in the wires to account for the arm pivoting when arm "Breaks Away" from bracket.

Make sure that all wires remain clear of the pivoting arm.

Note for Aluminum arm WITHOUT LEDs: The aluminum arm without the LED lights MUST have the magnetic contact switch connected to the barrier gate operator. DO NOT OPERATE ARM WITHOUT MAGNETIC CONTACT SWITCH FUNCTIONING.

Match same colors.

Contact Switch

1601-285-B-6-15

 $\mathsf{LED}_{\mathsf{Lights}}$

Option #2

Arm Wire

