TRAIL FORTRESS

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Baja Designs 80-0001 Installation Instructions

Reflex Light Actuator Kit for LP and XL-M Housings

Part number: 80-0001

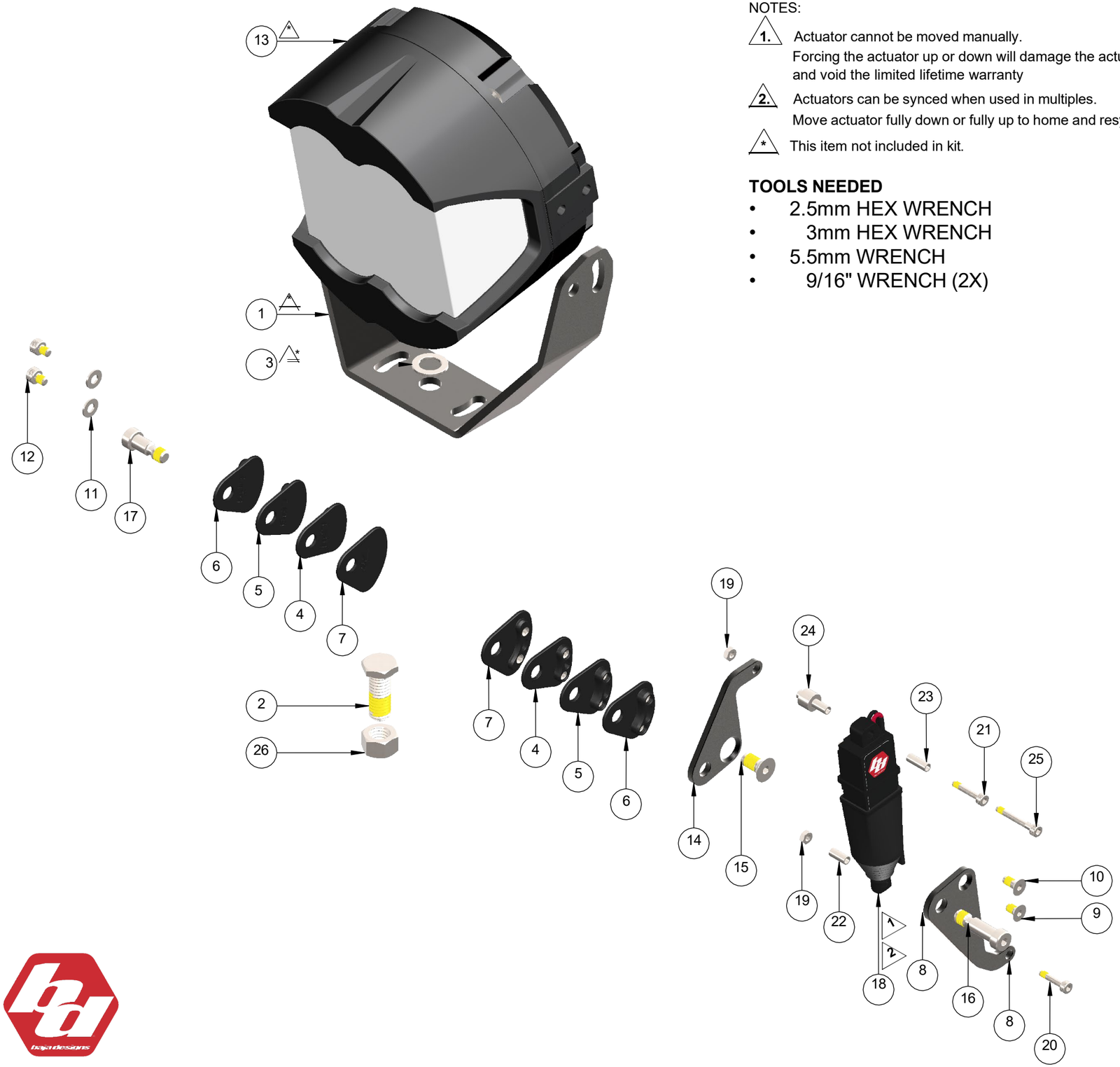
trailfortress.com/baja-designs-reflex-light-actuator-kit-lp4-lp6-lp9-xl-m-housing-80-0001

Scan for fitment, price and install help



Installation Instructions

LP4, LP6, LP9, XL Moto



NOTES:

1. Actuator cannot be moved manually.
   Forcing the actuator up or down will damage the actuator and void the limited lifetime warranty
2. Actuators can be synced when used in multiples.
   Move actuator fully down or fully up to home and resync.

* This item not included in kit.

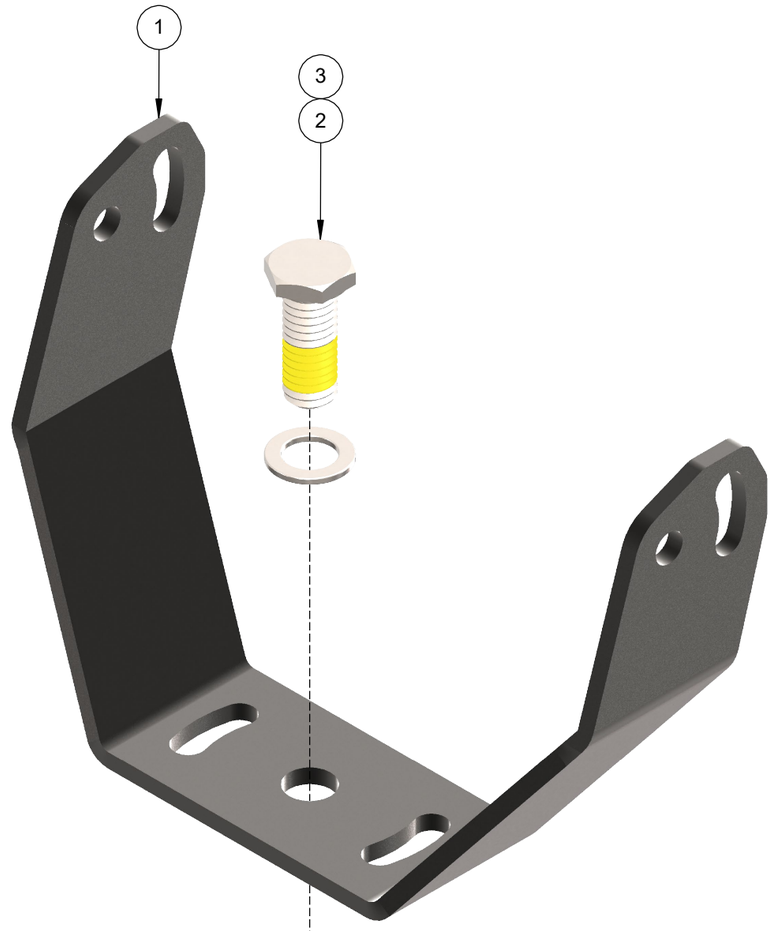
TOOLS NEEDED

- 2.5mm HEX WRENCH
- 3mm HEX WRENCH
- 5.5mm WRENCH
- 9/16" WRENCH (2X)

BILL OF MATERIALS
LP4, LP6, LP9, XL Moto Actuator Kit

	ITEM NO.	DESCRIPTION	QTY.
STEP 1	1	Light Bracket (LP4, LP6, LP9, or XL Moto)*	1
	2	3/8"-16 X 1" Hex Low Head Screw	1
	3	3/8" Washer*	1
STEP 2	4	Thrust Insert, LP4	2
	5	Thrust Insert, LP6	2
	6	Thrust Insert, LP9	2
	7	Thrust Insert, XL Moto	2
	8	Mount Plate, LPX-XLM	1
	9	M4 X 7mm Flat Head Cap Screw	1
	10	M4 X 9mm Flat Head Cap Screw	1
	11	M4 Washer	2
	12	M4 X 5mm Socket Head Cap Screw	2
STEP 3	13	Light (LP4, LP6, LP9, or XL Moto)*	1
	14	Pivot Plate, LPX-XLM	1
	15	1/4"-20 X 1/2" Flat Head Cap Screw, Undercut	1
STEP 4	16	Ø1/4" X .560" Shoulder Screw	1
	17	Ø1/4" X .321" Shoulder Screw	1
STEP 5	18	12V Actuator	1
	19	M3 Nut	2
	20	M3 X 14mm Socket Head Cap Screw	1
	21	M3 X 16mm Socket Head Cap Screw	1
	22	M3 Screw Spacer, 9mm L	1
	23	M3 Screw Spacer, 11mm L	1
	24	M3 Screw Spacer, Shoulder Type 2, 6mm L	1
	25	M3 X 22mm Socket Head Cap Screw	1
STEP 6	26	3/8"-16 Nut	1

	ITEM NO.	DESCRIPTION	QTY.
STEP **1**	1	Light Bracket (LP4, LP6, LP9, or XL Moto)	1
	2	3/8"-16 X 1" Hex Low Head Screw	1
	3	3/8" Washer	1

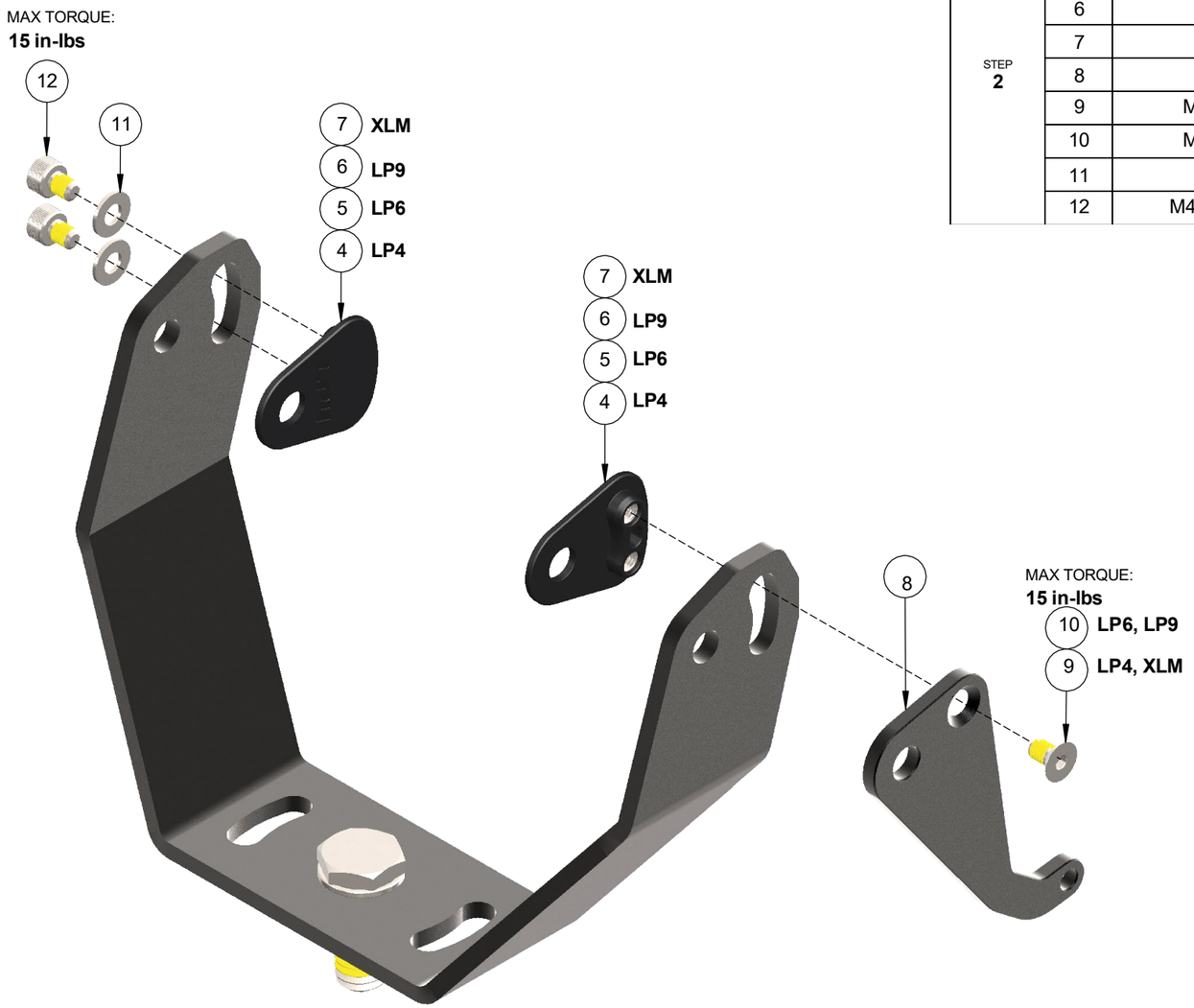


Step 1

Install bolt into bracket

ITEMS: 1 2 3

	ITEM NO.	DESCRIPTION	QTY.
STEP **2**	4	Thrust Insert, LP4	2
	5	Thrust Insert, LP6	2
	6	Thrust Insert, LP9	2
	7	Thrust Insert, XL Moto	2
	8	Mount Plate, LPX-XLM	1
	9	M4 X 7mm Flat Head Cap Screw	1
	10	M4 X 9mm Flat Head Cap Screw	1
	11	M4 Washer	2
	12	M4 X 5mm Socket Head Cap Screw	2



Step 2

Install thrust inserts + mount plate to bracket

ITEMS: LP4 ONLY: (4) (9) **LP6 ONLY:** (5) (10) **LP9 ONLY:** (6) (10) **XL MOTO ONLY:** (7) (9) **ALL:** (8) (11) (12)

TOOLS NEEDED: • 2.5mm HEX WRENCH • 3mm HEX WRENCH

For left side actuator installation.
Install opposite side for right side actuator installation

	ITEM NO.	DESCRIPTION	QTY.
STEP **3**	13	Light (LP4, LP6, LP9, or XL Moto)	1
	14	Pivot Plate, LPX-XLM	1
	15	1/4"-20 X 1/2" Flat Head Cap Screw, Undercut	1



Step 3

Install pivot plate to housing

ITEMS: 13 14 15

TOOLS NEEDED: • 3mm HEX WRENCH

For left side actuator installation.
Install opposite side for right side actuator installation

	ITEM NO.	DESCRIPTION	QTY.
STEP **4**	16	Ø1/4" X .560" Shoulder Screw	1
	17	Ø1/4" X .321" Shoulder Screw	1



Step 4

Install shoulder screws through bracket to housing

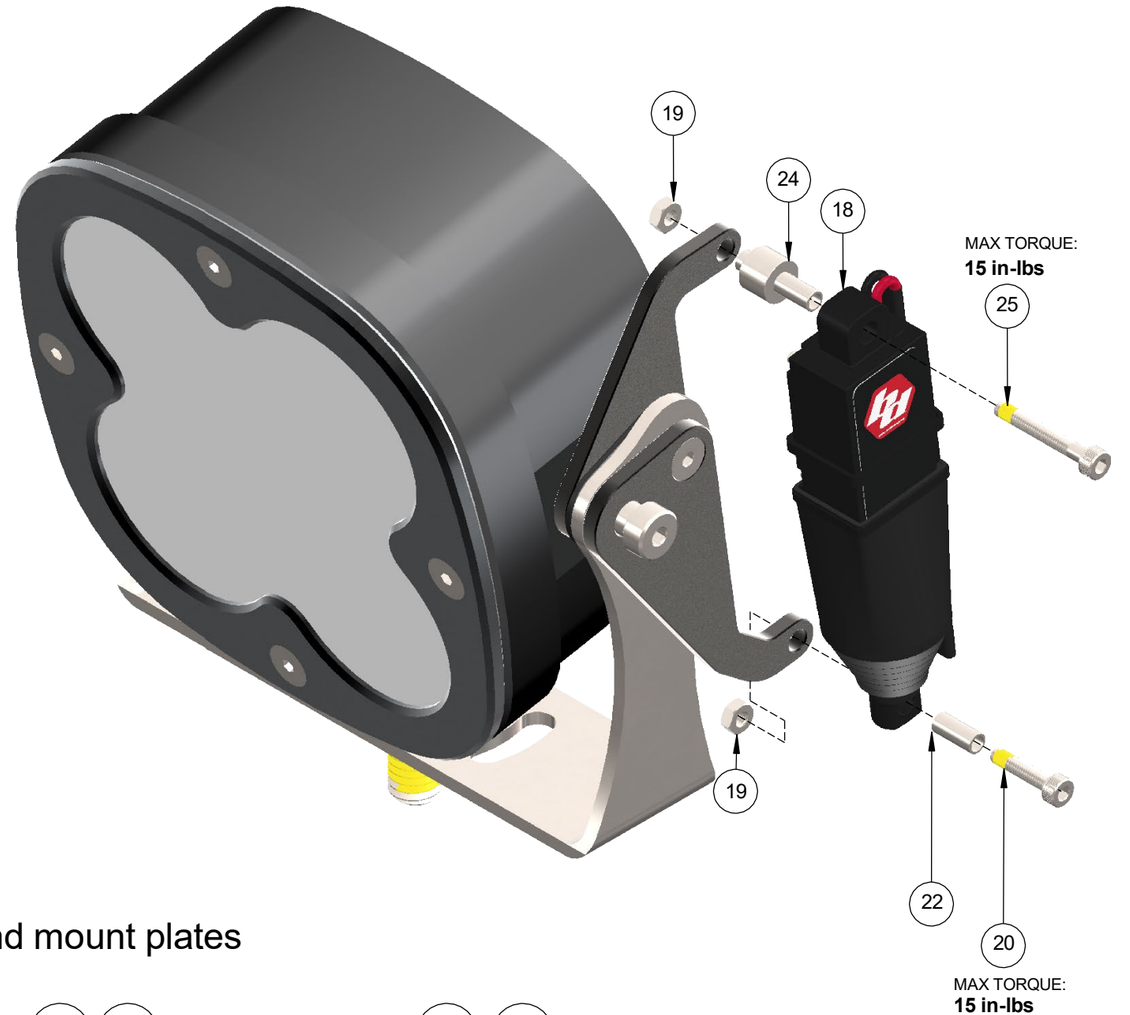
ITEMS: 16 17

TOOLS NEEDED: • 3mm HEX WRENCH

For left side actuator installation.
Install opposite side for right side actuator installation

	ITEM NO.	DESCRIPTION	QTY.
STEP **5**	18	12V Actuator	1
	19	M3 Nut	2
	20	M3 X 14mm Socket Head Cap Screw	1
	21	M3 X 16mm Socket Head Cap Screw	1
	22	M3 Screw Spacer, 9mm L	1
	23	M3 Screw Spacer, 11mm L	1
	24	M3 Screw Spacer, Shoulder Type 2, 6mm L	1
	25	M3 X 22mm Socket Head Cap Screw	1





Step 5

Install actuator to pivot and mount plates

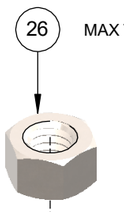
ITEMS: ALL: 18 19 20 22 **LP4, LP6, LP9 ONLY:** 21 23 **XL MOTO ONLY:** 24 25

TOOLS NEEDED: • 2.5mm HEX WRENCH • 5.5mm WRENCH

For left side actuator installation.
Install opposite side for right side actuator installation

	ITEM NO.	DESCRIPTION	QTY.
STEP **6**	26	3/8"-16 Nut	1





Step 6

Attach to vehicle

ITEMS: 26

TOOLS NEEDED: • 9/16" WRENCH (2X)



End
Installation Complete