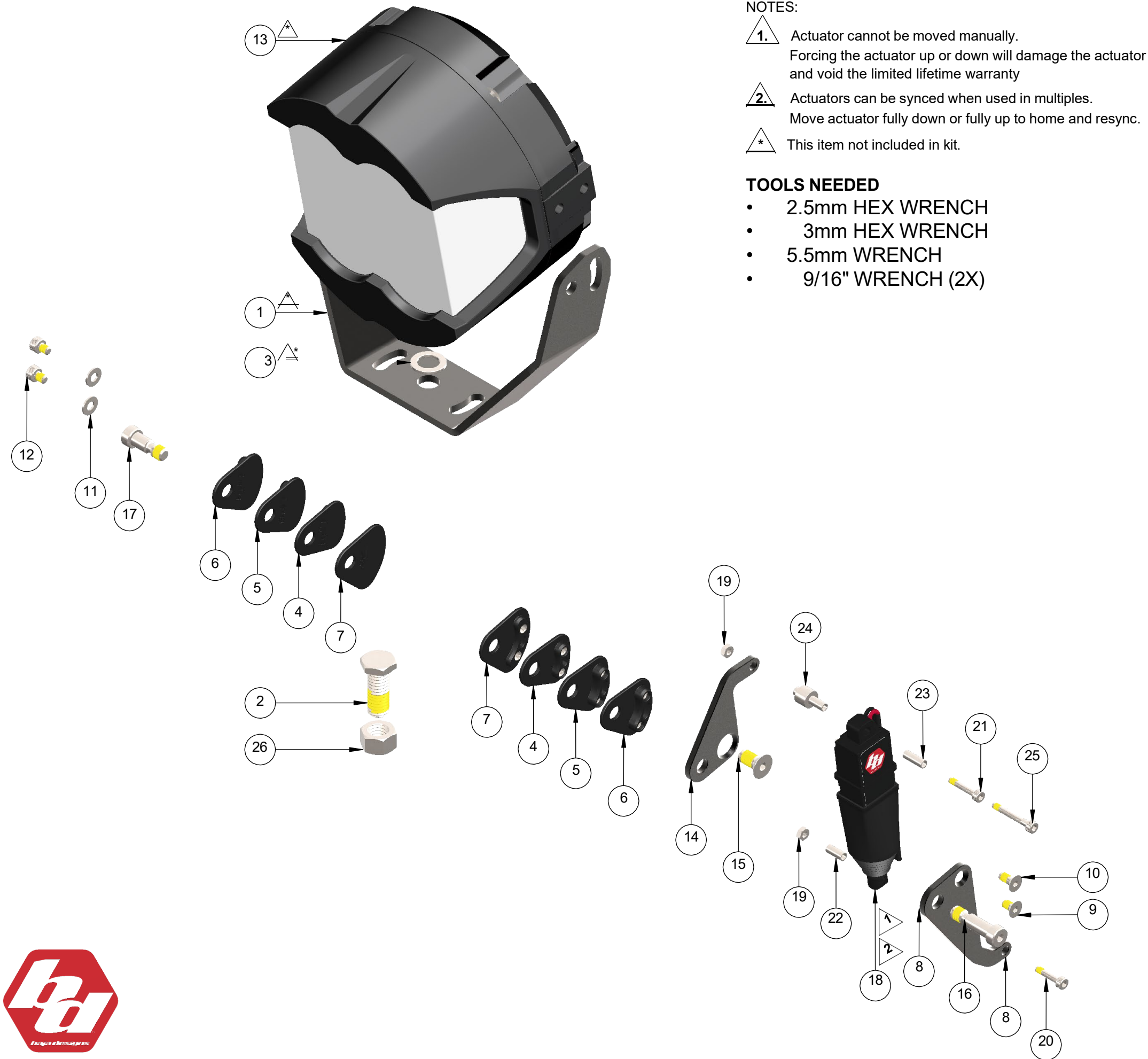




**Installation Instructions**  
LP4, LP6, LP9, XL Moto



#### 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

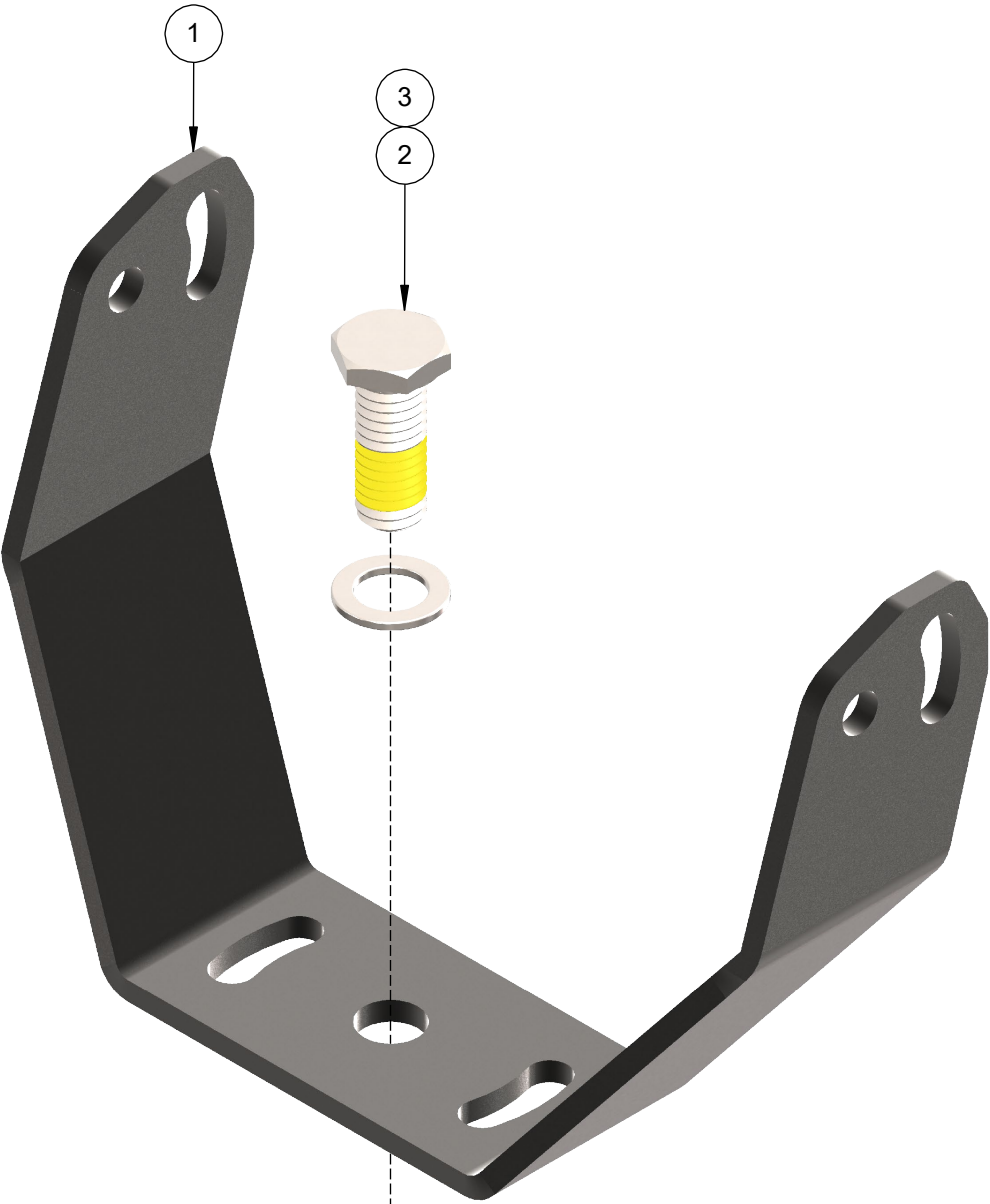
- 2.5mm HEX WRENCH
- 3mm HEX WRENCH
- 5.5mm WRENCH
- 9/16" WRENCH (2X)

## 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    |
| STEP 3 | 12       | M4 X 5mm Socket Head Cap Screw               | 2    |
|        | 13       | Light (LP4, LP6, LP9, or XL Moto)            | 1    |
|        | 14       | Pivot Plate, LPX-XLM                         | 1    |
| STEP 4 | 15       | 1/4"-20 X 1/2" Flat Head Cap Screw, Undercut | 1    |
|        | 16       | Ø1/4" X .560" Shoulder Screw                 | 1    |
| STEP 5 | 17       | Ø1/4" X .321" Shoulder Screw                 | 1    |
|        | 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    |
| STEP 6 | 25       | M3 X 22mm Socket Head Cap Screw              | 1    |
|        | 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    |

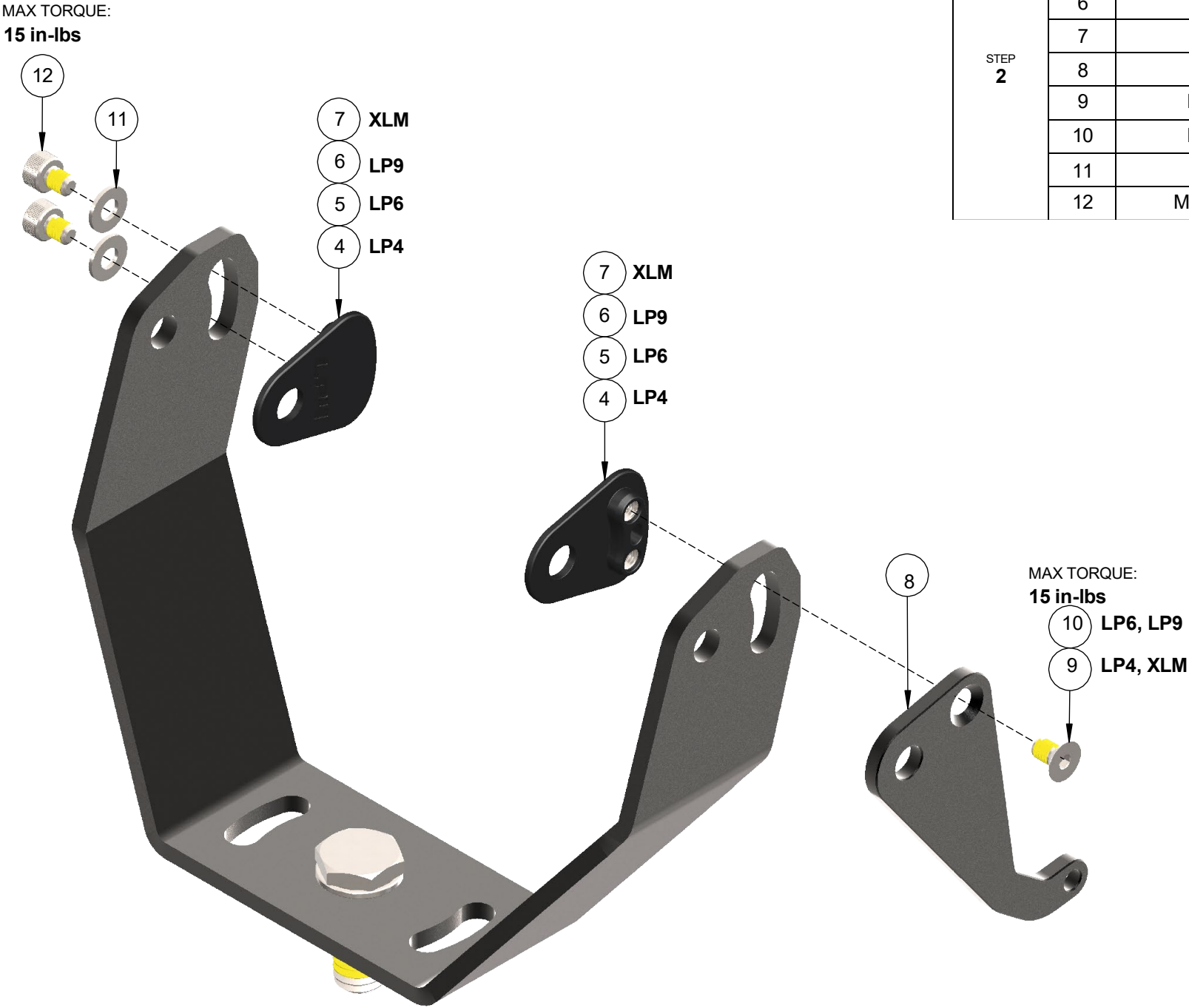


**Step 1**  
Install bolt into bracket

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

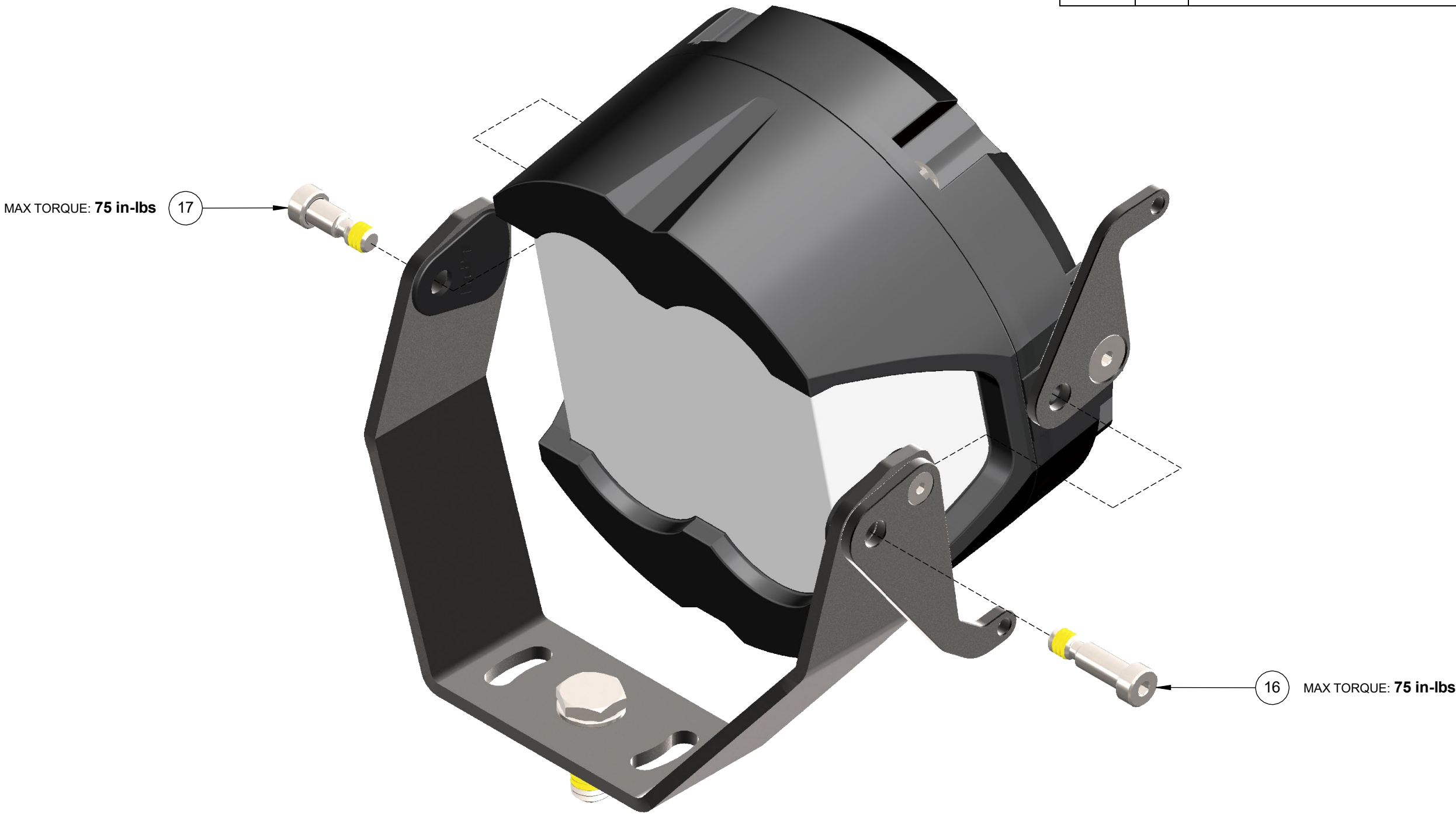
ITEMS: 13 14 15

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



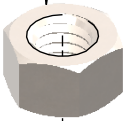
For left side actuator installation.  
Install opposite side for right side actuator installation

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



26

MAX TORQUE: 200 in-lbs



**Step 6**  
Attach to vehicle

ITEMS: 26

TOOLS NEEDED: 9/16" WRENCH (2X)





**End**  
Installation Complete

