

# PARTS LIST

## STRONGARM™ SVR303 VEHICLE RESTRAINT

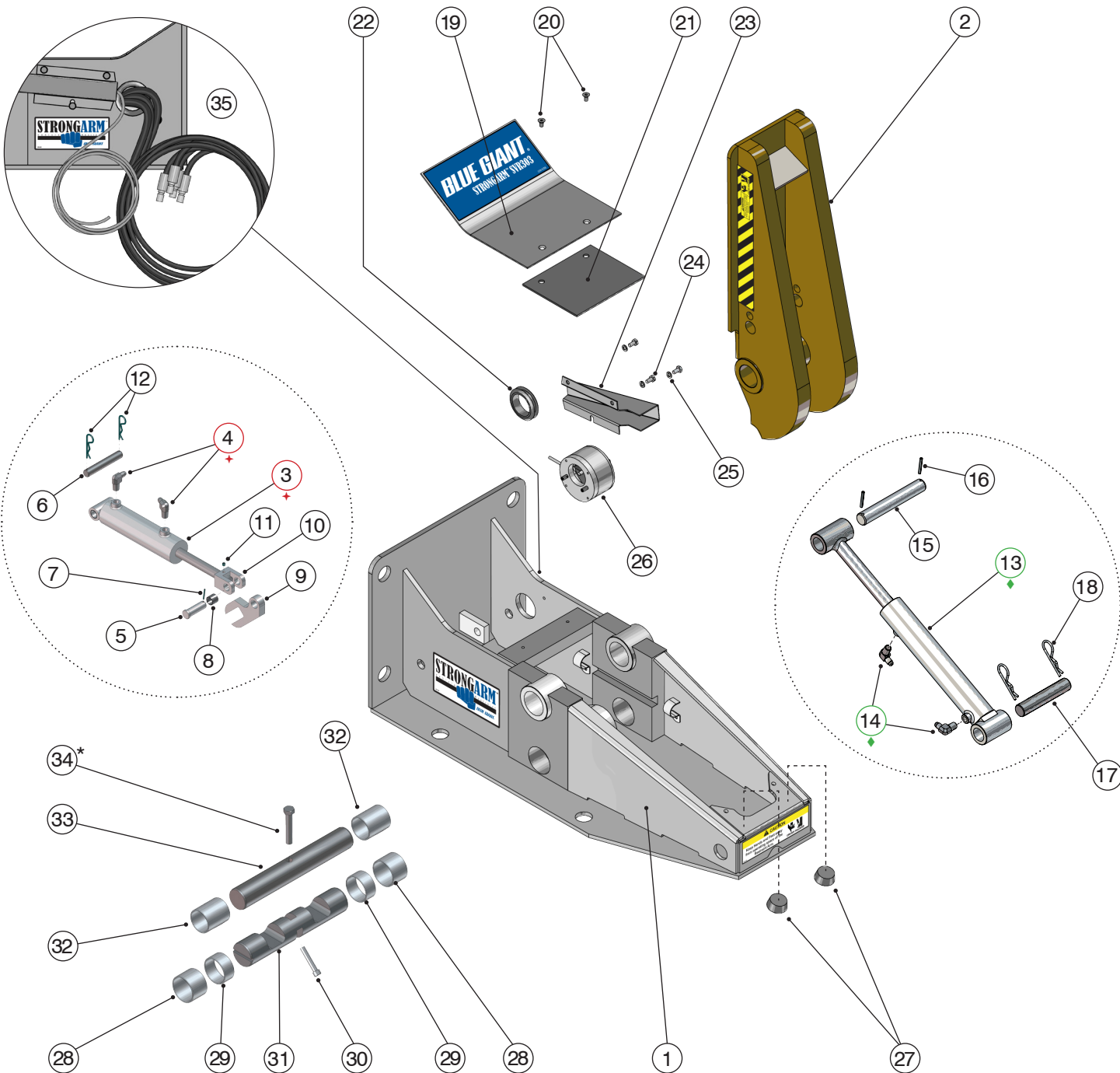


STARTING FROM: MARCH, 2016  
SERIAL # 411892

**BLUE GIANT®**

ISSUE DATE: SEPTEMBER 13, 2017 (PART # 038-701EPL)

MECHANICAL ASSEMBLY - 54-010980



| NOTE | PART NO.  | DESCRIPTION                                       |
|------|-----------|---------------------------------------------------|
| ★    | 54-00004  | Lock cylinder assembly includes parts highlighted |
| ◆    | 54-001799 | Arm cylinder assembly includes parts highlighted  |

**MECHANICAL ASSEMBLY - 54-010980 CONT'D.**

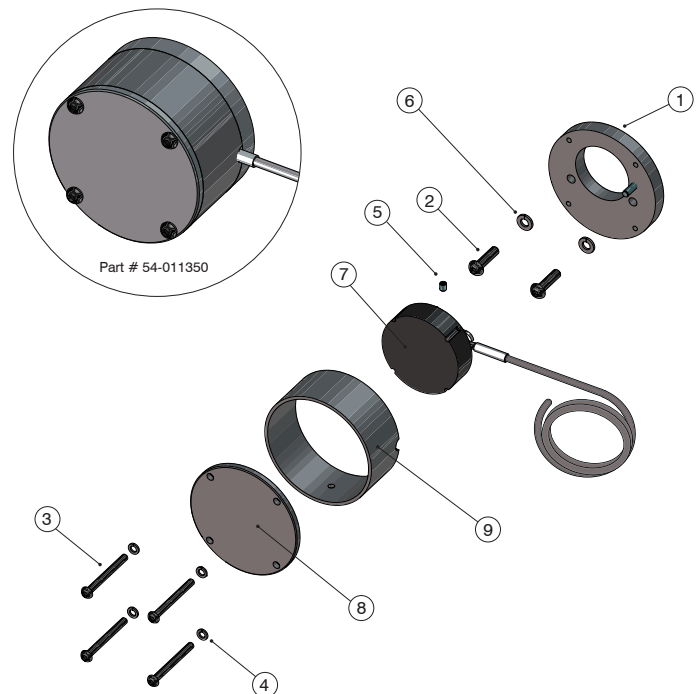
| ITEM | QTY. | PART NO.  | DESCRIPTION                       |
|------|------|-----------|-----------------------------------|
| 1    | 1    | 54-010979 | Chassis Weldment                  |
| 2    | 1    | 54-011050 | Arm Weldment                      |
| 3    | 1    | 54-00004  | Lock Cylinder (Part No. 54-00007) |
| 4    | 2    |           | Fitting (Part No. 034-619)        |
| 5    | 1    | 54-00022  | Rod End Pin                       |
| 6    | 1    | 54-000513 | Lock Clevis Pin                   |
| 7    | 1    | 013-020   | Spring Pin 1/8 Dia. x 1"          |
| 8    | 1    | 018-638-1 | Plastic Bushing 5/8" x 5/8" L     |
| 9    | 1    | 54-00043  | Lug                               |
| 10   | 1    | 54-00008  | Clevis                            |
| 11   | 1    | 014-013   | Allen Set Screw 1/4 x 28 UNF      |
| 12   | 2    | 013-028   | Hairpin Cotter                    |
| 13   | 1    | 54-001799 | Arm Cylinder (Part No. 54-001273) |
| 14   | 2    |           | Fitting (Part No. 034-619)        |
| 15   | 1    | 54-00021  | Arm Rod End Pin                   |
| 16   | 2    | 013-127   | 3/16 Dia. Spring Pin x 1.50       |
| 17   | 1    | 54-000506 | Arm Clevis Pin                    |
| 18   | 2    | 013-029   | Hairpin Cotter                    |
| 19   | 1    | 54-010983 | Body Cover                        |
| 20   | 2    | 011-037   | FHSCS                             |

| ITEM | QTY                                                                                                                                | PART NO.    | DESCRIPTION                           |
|------|------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|
| 21   | 1                                                                                                                                  | 54-001608   | Rubber Seal                           |
| 22   | 1                                                                                                                                  | 037-090     | Rubber Grommet                        |
| 23   | 1                                                                                                                                  | 54-001600   | Cable Cover                           |
| 24   | 3                                                                                                                                  | 010-072     | Cap Screw 1/4-20 x 1/2 HH             |
| 25   | 3                                                                                                                                  | 012-202     | Regular Spring Lock Washers (U.S.)    |
| 26   | 1                                                                                                                                  | 54-011350   | Sensor Hub Assembly (See pg. 3)       |
| 27   | 2                                                                                                                                  | 165-9197    | Rubber Bumper                         |
| 28   | 2                                                                                                                                  | 018-635-1   | Plastic Bushing 2" Dia. x 1-1/2" L    |
| 29   | 2                                                                                                                                  | 018-634-1   | Plastic Bushing 2" Dia. x 1" L        |
| 30   | 1                                                                                                                                  | 011-184     | Socket Head Cap Screw 3/8 x 24UNF x 2 |
| 31   | 1                                                                                                                                  | 54-000534   | Lock Pin                              |
| 32   | 2                                                                                                                                  | 018-636-1   | Plastic Bushing 1-3/4" Dia. x 2" L    |
| 33   | 1                                                                                                                                  | 54-006851-1 | Arm Pivot Pin                         |
| 34*  | 1                                                                                                                                  | 010-211     | Hex Head Cap Bolt 1/2 -13 UNC x 2 3/4 |
| 35   | <b>Hose #4 High Pressure</b><br>(TYP. STD. Length may change per application requirement, default application lengths shown below) |             |                                       |
|      | 2                                                                                                                                  | 100-5022-3  | 21' (6.4m) Lock                       |
|      | 2                                                                                                                                  | 100-5022-4  | 23' (7.0m) Arm                        |
|      | 2                                                                                                                                  | 100-5022-1  | 15' (4.6m) Lock                       |
|      | 2                                                                                                                                  | 100-5022-2  | 17' (5.2m) Arm                        |

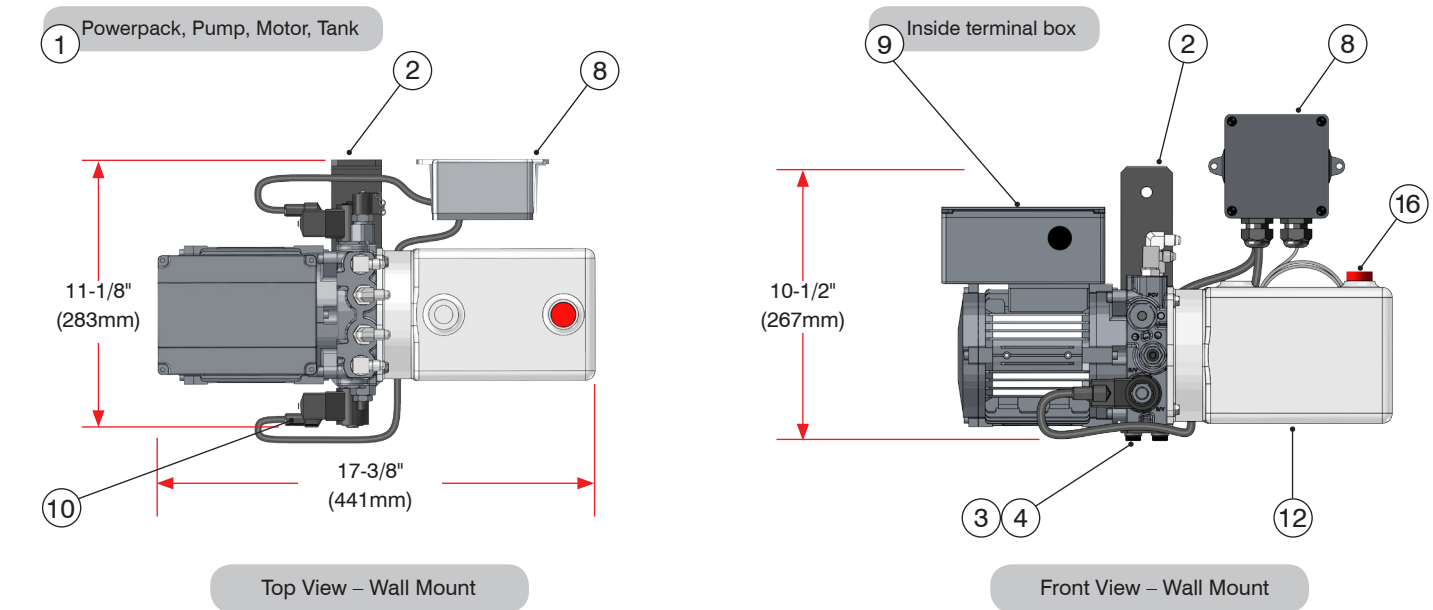
\*Arm cap bolt 010-211 to be installed from the top, ensuring the head of the bolt does not interfere with lock clevis when operating unit.

**RESTRAINT ARM SENSOR ASSEMBLY –54-011350**

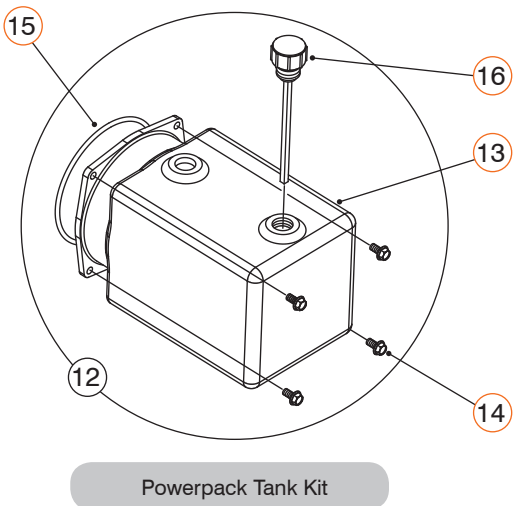
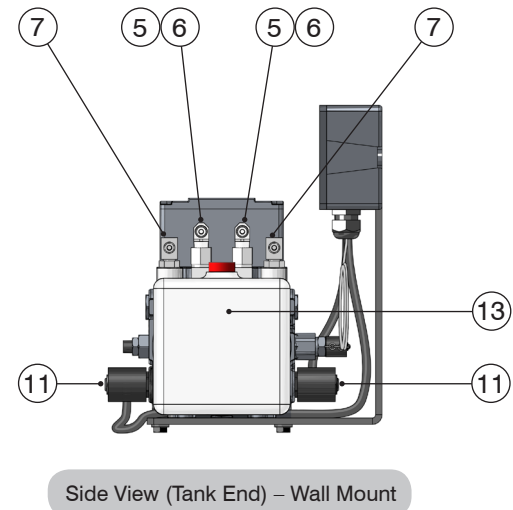
| SENSOR ASSEMBLY # 54-011350 |     |             |                                                   |
|-----------------------------|-----|-------------|---------------------------------------------------|
| ITEM                        | QTY | PART NO.    | DESCRIPTION                                       |
| 1                           | 1   | 54-006834-1 | Base Plate Assembly                               |
| 2                           | 2   | 010-224     | Button HD Cap Screw 1/4-20 x 1"                   |
| 3                           | 4   | 010-223     | Button HD Cap Screw 10-24 x 2" SS                 |
| 4                           | 4   | 012-225     | Internal Tooth Lock Washer #10                    |
| 5                           | 1   | 014-000     | Cup Point SSS #10-24 UNC x 1/4 (U.S.)             |
| 6                           | 2   | 012-202     | Spring Lock Washer 1/4"                           |
| 7                           | 1   | 54-001563   | Intelligent Position Sensor (IPS) with Comm Cable |
| 8                           | 1   | 54-011049   | Hub Lid                                           |
| 9                           | 1   | 54-011226   | Hub Ring                                          |



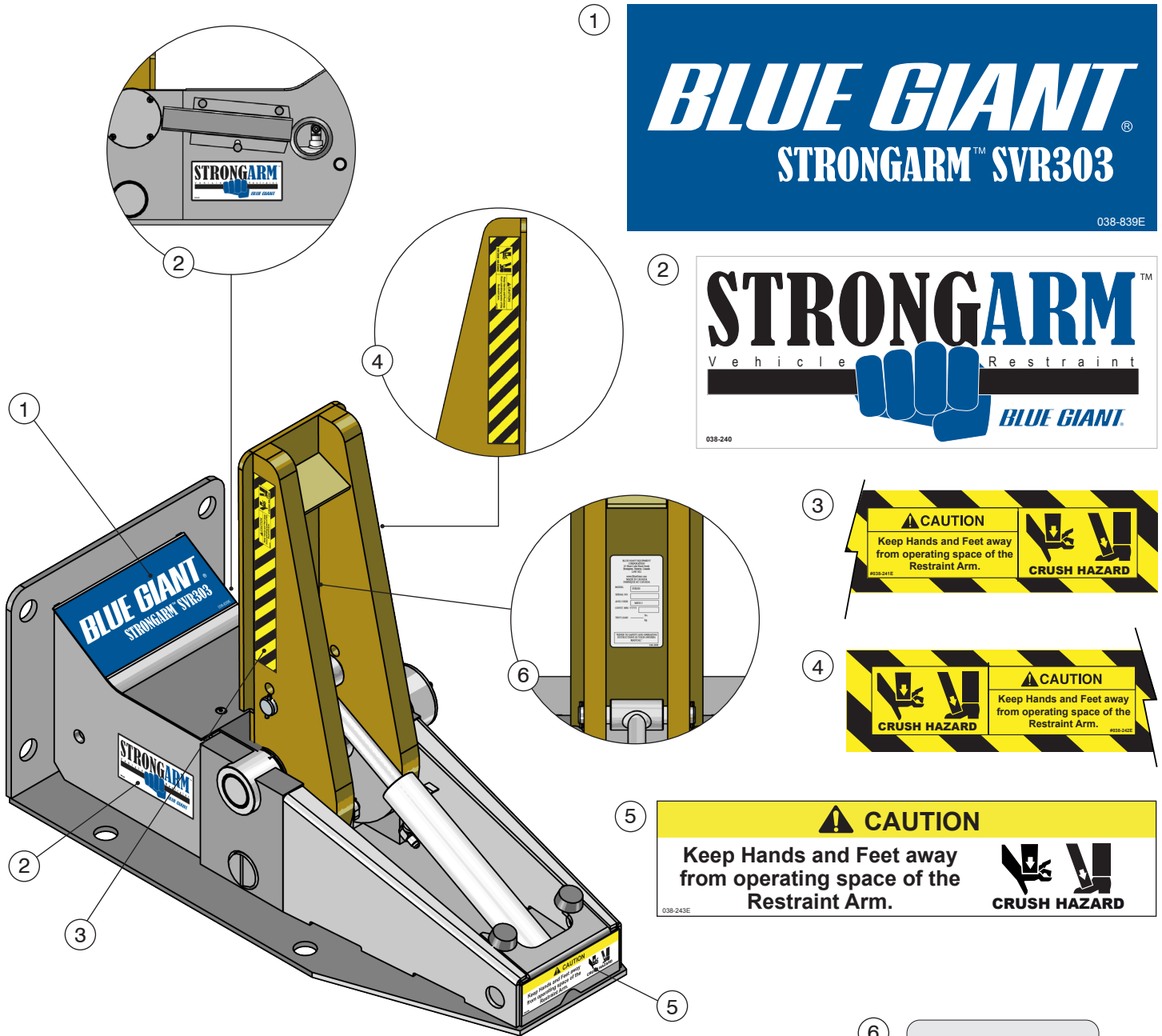
POWERPACK PART IDENTIFICATION



| SVR303 POWERPACK - WALL BRACKET ASSEMBLY # 54-011700 |     |             |                                                                                       |           |
|------------------------------------------------------|-----|-------------|---------------------------------------------------------------------------------------|-----------|
| ITEM                                                 | QTY | PART NO.    | DESCRIPTION                                                                           | ITEM #1   |
| 1                                                    | 1   | 54-011700-1 | SVR303 PP<br>1PH-115/230V-50/60HZ                                                     | 033-441-K |
|                                                      |     | 54-011700-2 | SVR303 PP<br>3PH-230/460V-50/60HZ                                                     | 033-445-K |
|                                                      |     | 54-011700-3 | SVR303 PP<br>3PH-575V-60HZ                                                            | 033-447-K |
| 2                                                    | 1   | 54-011699   | Wall Bracket - SVR303 Powerpack                                                       |           |
| 3                                                    | 4   | 010-188     | Hex Head Socket 1/2 NPT Cap Screws (Metric)                                           |           |
| 4                                                    | 4   | 012-201     | Lock Washers 3/8" Helical                                                             |           |
| 5                                                    | 2   | 034-580     | 3/8 Male O-Ring to Female Pipe                                                        |           |
| 6                                                    | 2   | 034-619     | Fitting (4MJ - 4MP - 90)                                                              |           |
| 7                                                    | 2   | 034-769     | Fitting (6MB - 4MJ - 90)                                                              |           |
| 8                                                    | 1   | 026-H24     | Junction Box Assembly (See pg. 8)                                                     |           |
| 9                                                    | 1   | 025-172     | Terminal Blocks 0.32" x 11                                                            |           |
| 10                                                   | 2   | 026-G074    | Solenoid Valve Connector with Cable                                                   |           |
| 11                                                   | 2   | 54-012251   | Solenoid Cartridge and Coil                                                           |           |
| 12                                                   | 1   | 54-012250   | Tank (Reservoir Oil) Kit w/ "O" Ring<br>(NOTE: Hardware includes parts highlighted f) |           |
| f 13                                                 | 1   | 412014      | Tank                                                                                  |           |
| f 14                                                 | 4   | 400740      | Tank Bolt                                                                             |           |
| f 15                                                 | 1   | 401009      | "O" Ring for Tank                                                                     |           |
| f 16                                                 | 1   | 401504      | Breather Cap with Dipstick                                                            |           |

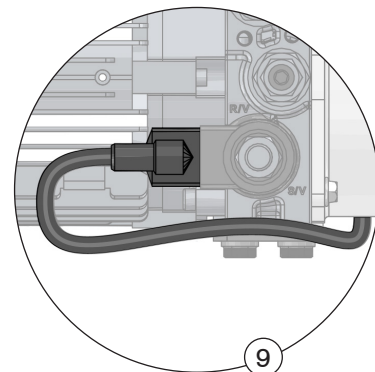
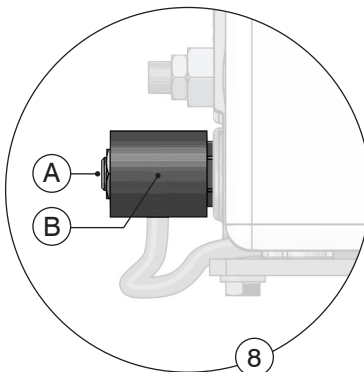
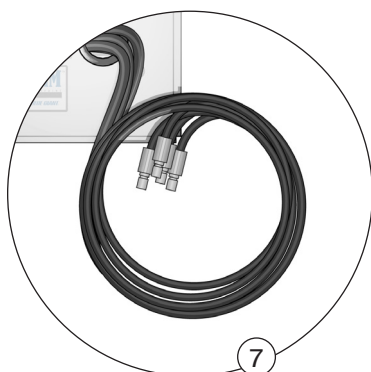
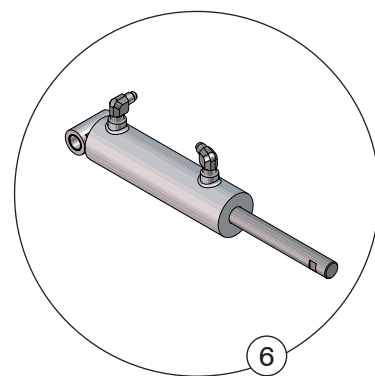
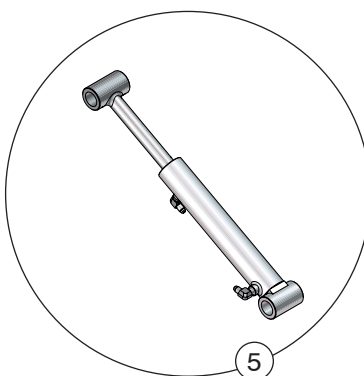
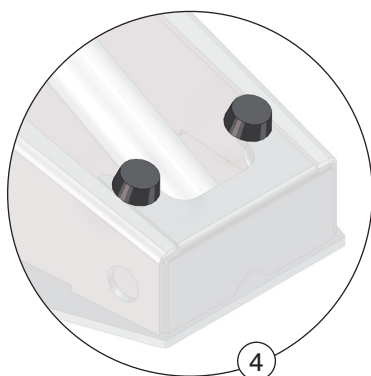
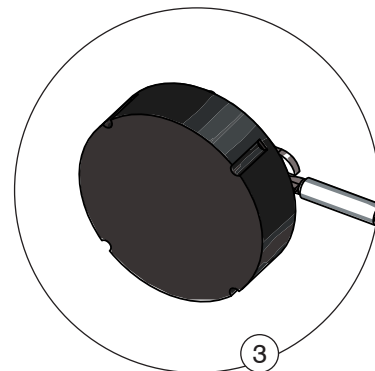
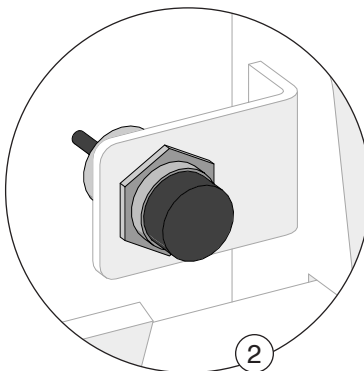
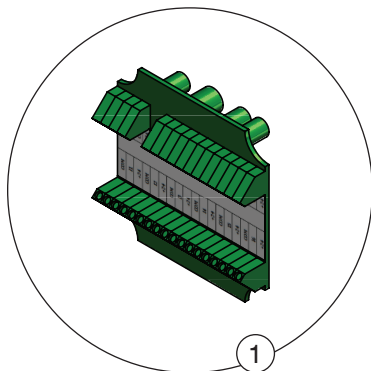


DECAL IDENTIFICATION AND LOCATION



| ITEM | QTY | PART NO. | DESCRIPTION                                |
|------|-----|----------|--------------------------------------------|
| 1    | 1   | 038-239  | Decal - BG SVR303                          |
| 2    | 2   | 038-240  | Decal - StrongArm™ - Vehicle Restraint     |
| 3    | 1   | 038-241E | Decal - Crush Hazard - Left Side           |
| 4    | 1   | 038-242E | Decal - Crush Hazard - Right Side          |
| 5    | 1   | 038-243E | Decal - Crush Hazard                       |
| 6    | 1   | 038-299E | F Decal - Serial Plate - English / French  |
|      |     |          | S Decal - Serial Plate - English / Spanish |

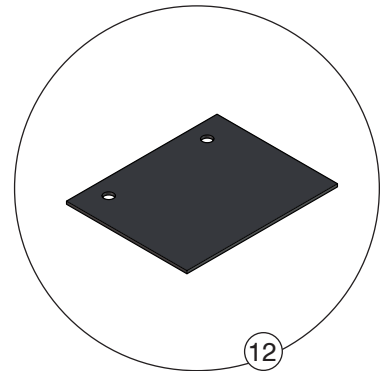
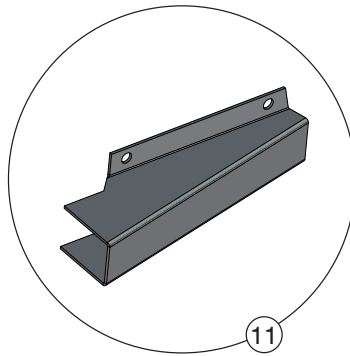
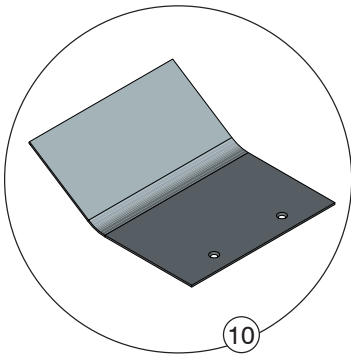
## RECOMMENDED SPARE PARTS – STANDARD OPERATIONAL COMPONENTS



| RSP FOR SVR303 – STANDARD OPERATIONAL COMPONENTS |            |                                                                   |           |
|--------------------------------------------------|------------|-------------------------------------------------------------------|-----------|
| ITEM                                             | PART NO.   | DESCRIPTION                                                       | QTY REQ'D |
| 1                                                | 026-G025BM | Remote I/O Board (No resistor)                                    | 1         |
| 2                                                | 028-206    | Proximity Sensor (30mm Unshield): Home / Lip Sensor with 5m Cable | 1         |
| 3                                                | 54-001563  | Position Sensor with Cable                                        | 1         |
| 4                                                | 165-9197   | Rubber Bumper                                                     | 2         |
| 5                                                | 54-001799  | Arm Cylinder with Fittings                                        | 1         |
| 6                                                | 54-00004   | Lock Cylinder with Fittings                                       | 1         |

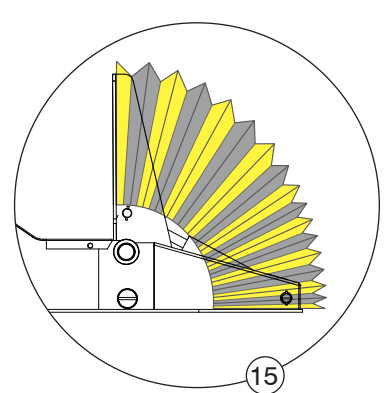
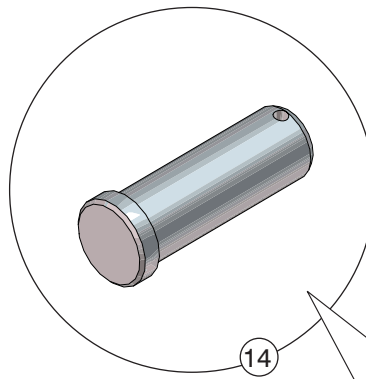
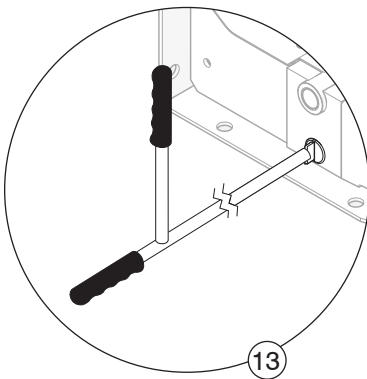
| RSP FOR SVR303 – STANDARD OPERATIONAL COMPONENTS |                                                                                     |                                             |           |
|--------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|-----------|
| ITEM                                             | PART NO.                                                                            | DESCRIPTION                                 | QTY REQ'D |
| 7                                                | <b>Hose #4 High Pressure</b><br>(TYP. STD. length may change per order requirement) |                                             | 1         |
|                                                  | 100-5022-3                                                                          | 21' (6.4m) Lock                             |           |
|                                                  | 100-5022-4                                                                          | 23' (7.0m) Arm                              |           |
|                                                  | 100-5022-1                                                                          | 15' (4.6m) Lock                             |           |
|                                                  | 100-5022-2                                                                          | 17' (5.2m) Arm                              |           |
| 8                                                | 54-012251                                                                           | <b>A:</b> HYDPP Solenoid Cartridge (411896) | 1         |
|                                                  |                                                                                     | <b>B:</b> Coil (401893)                     |           |
| 9                                                | 026-G074                                                                            | Solenoid Valve Connector with Cable         | 1         |

## RECOMMENDED SPARE PARTS – COMPONENT SHIELDS

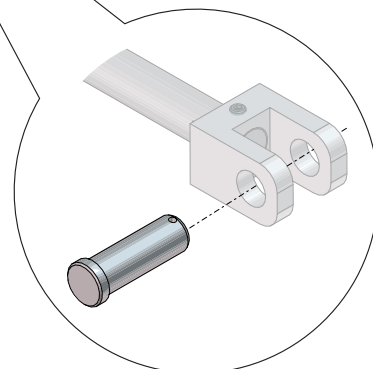


| RSP FOR SVR303 – COMPONENT SHIELDS |           |             |           |
|------------------------------------|-----------|-------------|-----------|
| ITEM                               | PART NO.  | DESCRIPTION | QTY REQ'D |
| 10                                 | 54-010983 | Body Cover  | 1         |
| 11                                 | 54-001600 | Cable Cover | 1         |
| 12                                 | 54-001608 | Rubber Seal | 1         |

## RECOMMENDED SPARE PARTS – OPTIONAL SUPPORT COMPONENTS



| RSP FOR SVR303 – OPTIONAL SUPPORT COMPONENTS |           |                                        |           |
|----------------------------------------------|-----------|----------------------------------------|-----------|
| ITEM                                         | PART NO.  | DESCRIPTION                            | QTY REQ'D |
| 13                                           | 54-001682 | Lock Manual Release Tool (Long Handle) | 1         |
| 14                                           | 54-00022  | Rod End Pin (Lock Cylinder)            | 1         |
| 15                                           | 54-001686 | Weather / Debris Seal Kit              | 1         |



JUNCTION BOX W/REMOTE I/O

| SVR303 REMOTE I/O HARNESS ASSEMBLY # 026-H24 |     |               |                                                     |
|----------------------------------------------|-----|---------------|-----------------------------------------------------|
| ITEM                                         | QTY | PART NO.      | DESCRIPTION                                         |
| 1                                            | 1   | 025-G020M     | Junction Box 4" x 4" (2 Holes)                      |
| 2                                            | 2   | 025-174       | PG16 Cable Gland                                    |
| 3                                            | 2   | 025-177       | PG16 Metal Locknut                                  |
| 4                                            | 1   | 025-179       | PG16 Multi-Hole Seal (2 Holes)                      |
| 5                                            | 1   | 025-175       | PG16 Multi-Hole Seal (3 Holes)                      |
| 6                                            | 1   | 026-G025BM    | Remote I/O Board (No Resistor)                      |
| 7                                            | 2   | 026-G074      | Solenoid Valve Connector - 3' (914mm)               |
| 8                                            | 1   | 026-H16-1     | Communication Cable to Blue Genius™ - 30' (9.14 m)  |
| 9                                            | 1   | 54-001563     | IPS Sensor                                          |
| 10                                           | 1   | 026-G035-2400 | Unshielded Home / Lip Cable - 3 Wire - 20' (6.09 m) |

