



# FUZE® ProLine Feeders Control Pans and Feed Line System

## Repair Parts List

### Pan and Grill examples

Val-co® provides 2 FUZE® feeder pan types, the FUZE® ProLine RLS shallow pan assemblies and FUZE® ProLine RS standard pan assemblies.



RLS = SHALLOW PAN ASSEMBLY



RS - STANDARD PAN ASSEMBLY



13" - 13 spoke GRILL



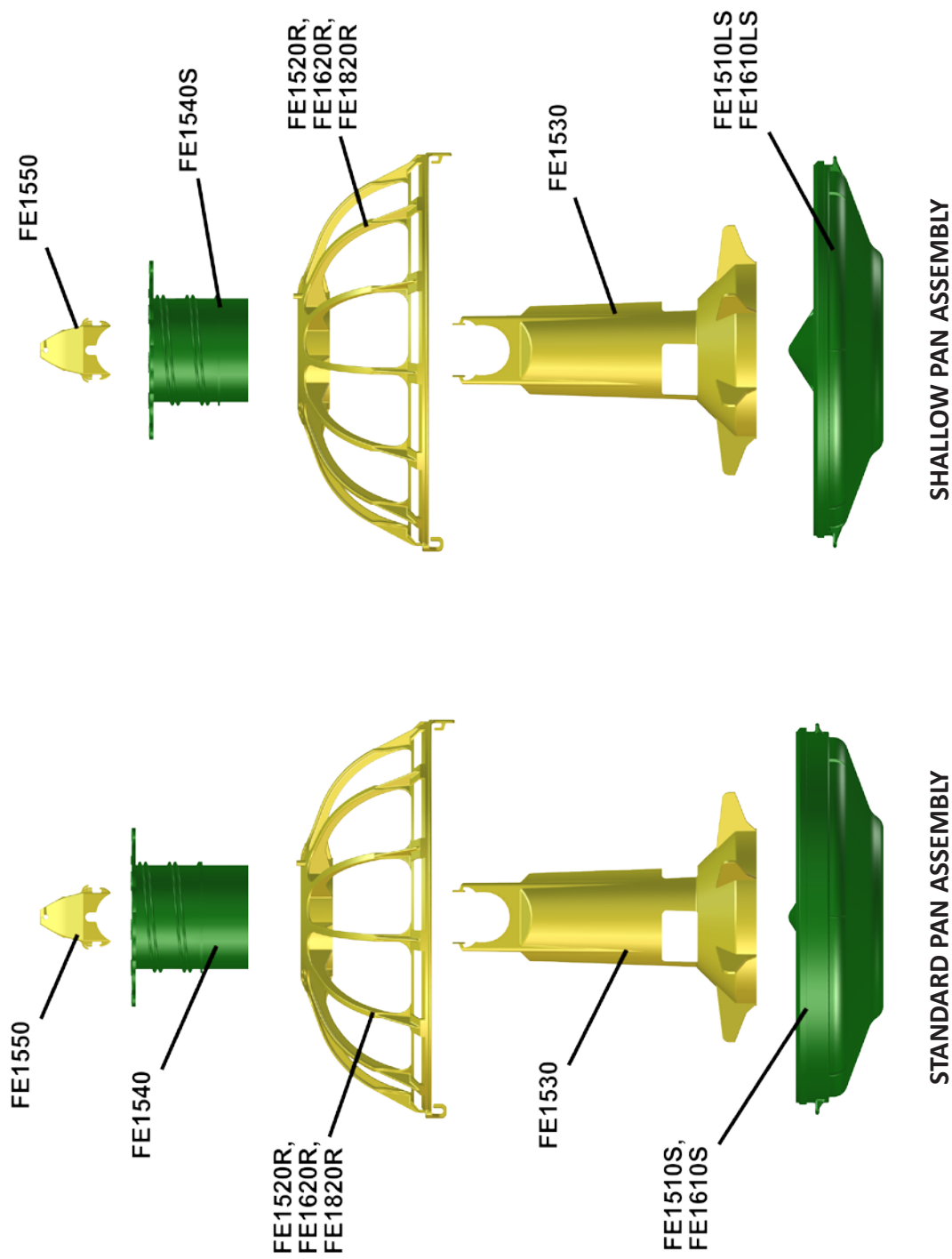
14" - 14 spoke GRILL



14" - 5 spoke GRILL

*Exploded views and Part Lists are on the following pages.*

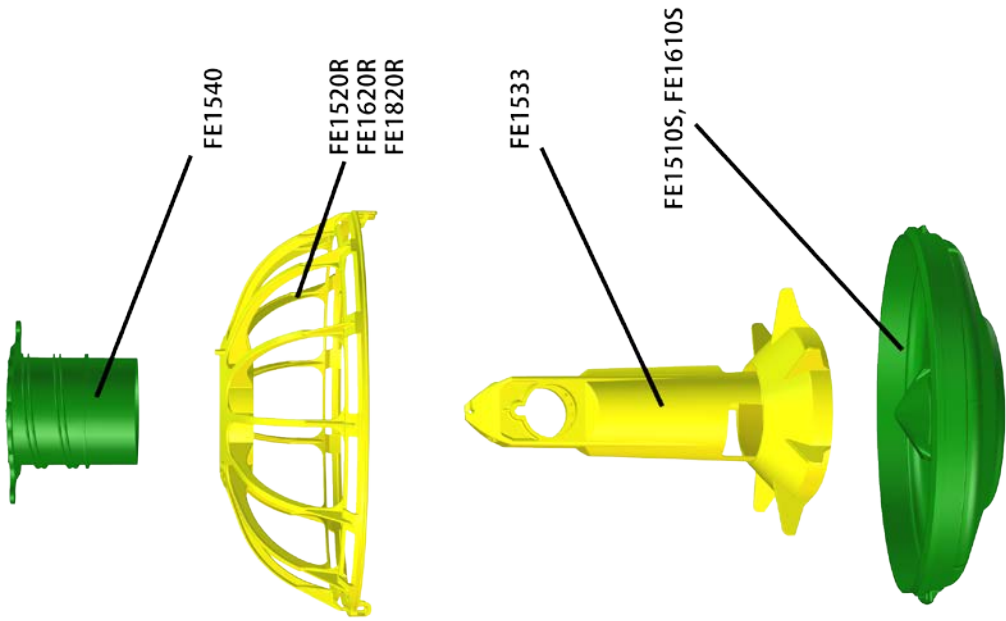
FUZE® ProLine Feeder Exploded View



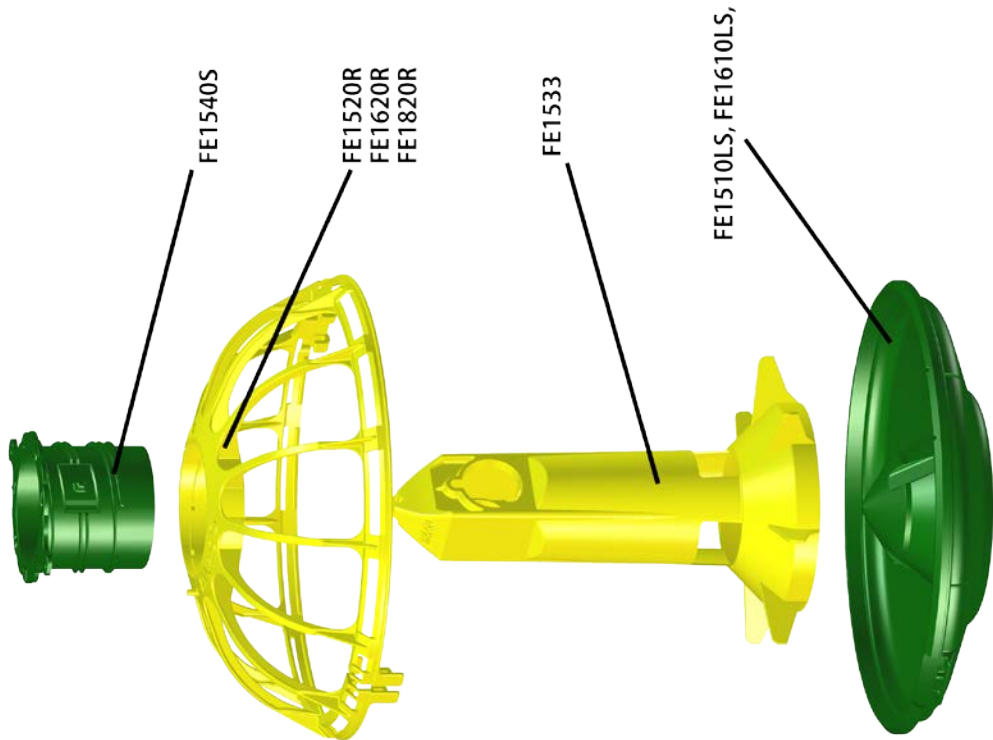
## FUZE® ProLine Feeder Parts List

| PART #                                                                              | DESCRIPTION                                                | QTY |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|-----|
| <b>FE1500RS, FE1500RLS, FE1600RS, FE1600RLS, FE1800RS, FE1800RLS - Shared Parts</b> |                                                            |     |
| FE1530                                                                              | FUZE® FEEDER TOWER                                         | 1   |
| FE1550                                                                              | FUZE® FEEDER TOWER CAP                                     | 1   |
| <b>FE1500 RS (STANDARD PAN) and FE1500RLS (SHALLOW PAN) parts specific to model</b> |                                                            |     |
| FE1510S                                                                             | 13" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1520R                                                                             | 13" FUZE® Pro GRILL SHALLOW PAN - 13 SPOKE W/ HINGE & LOCK | 1   |
| FE1540                                                                              | FUZE® ADJ COLLAR - STANDARD PAN                            | 1   |
| FE1540S                                                                             | FUZE® ADJ COLLAR - SHALLOW PAN                             | 1   |
| <b>FE1600RS (STANDARD PAN) and FE1600RLS (SHALLOW PAN) parts specific to model</b>  |                                                            |     |
| FE1610S                                                                             | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1620R                                                                             | 14" FUZE® Pro GRILL SHALLOW PAN - 14 SPOKE W/ HINGE & LOCK | 1   |
| FE1540                                                                              | FUZE® ADJ COLLAR - STANDARD PAN                            | 1   |
| FE1540S                                                                             | FUZE® ADJ COLLAR - SHALLOW PAN                             | 1   |
| <b>FE1800RS (STANDARD PAN) and FE1800RLS (SHALLOW PAN) parts specific to model</b>  |                                                            |     |
| FE1610S                                                                             | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1820R                                                                             | 14" FUZE® Pro GRILL SHALLOW PAN- 5 SPOKE W/ HINGE & LOCK   | 1   |
| FE1540                                                                              | FUZE® ADJ COLLAR - STANDARD PAN                            | 1   |
| FE1540S                                                                             | FUZE® ADJ COLLAR - SHALLOW PAN                             | 1   |

FUZE® ProLine (One Piece) Exploded View



RS-S = STANDARD PAN ASSEMBLY

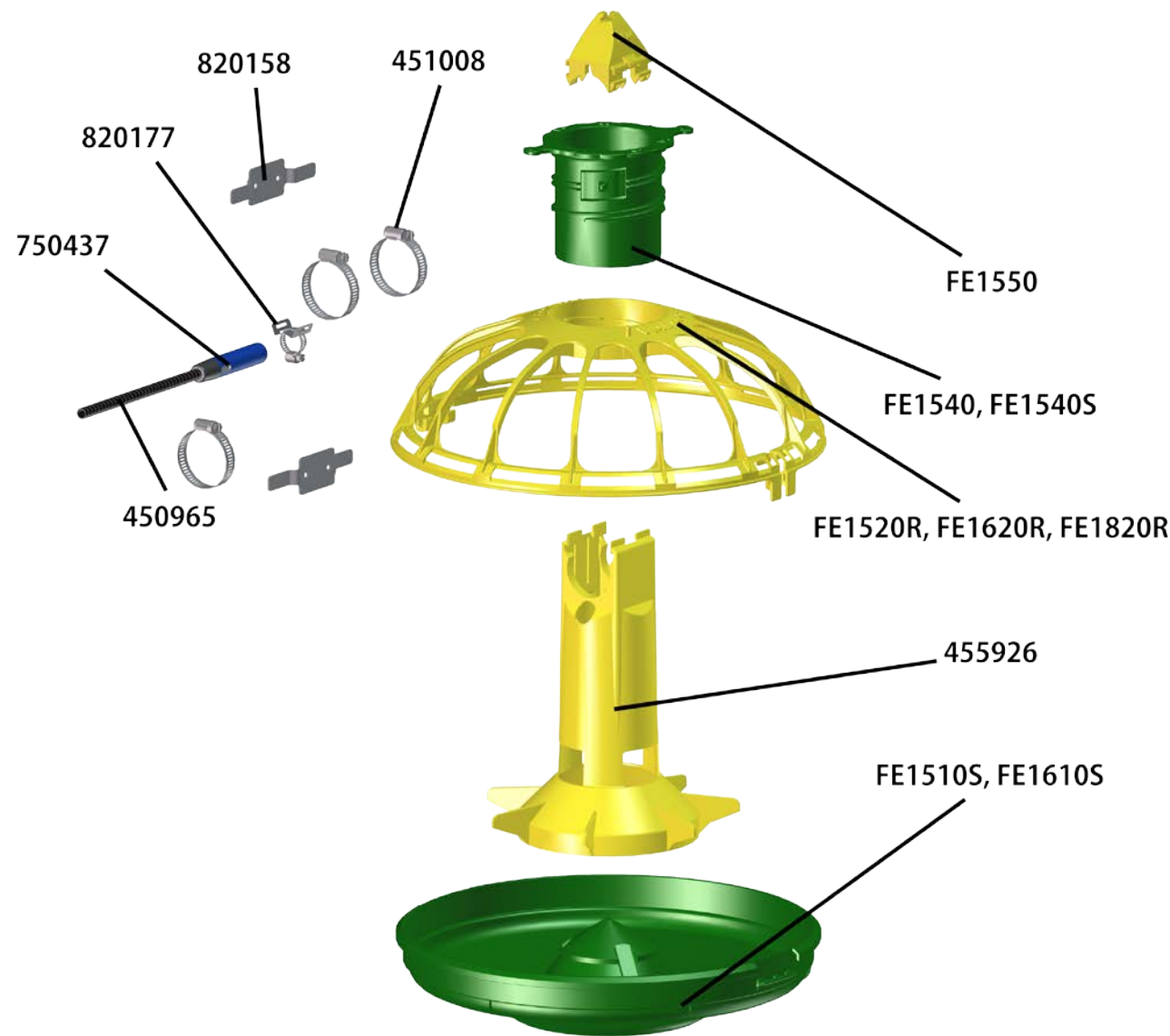


RLS-S= SHALLOW PAN ASSEMBLY

## FUZE® ProLine Feeder (One Piece) Parts List

| PART #                                                                                          | DESCRIPTION                                                | QTY |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----|
| <b>FE1500RS-S, FE1500RLS-S, FE1600RS-S, FE1600RLS-S, FE1800RS-S, FE1800RLS-S - Shared Parts</b> |                                                            |     |
| FE1533                                                                                          | FUZE® ONE PC TOWER                                         | 1   |
| FE1540                                                                                          | FUZE® ADJ COLLAR-STANDARD PAN                              | 1   |
| FE1540S                                                                                         | FUZE® ADJ COLLAR-SHALLOW PAN                               | 1   |
| <b>FE1500RS-S (STANDARD PAN) and FE1500RLS-S (SHALLOW PAN) parts specific to model</b>          |                                                            |     |
| FE1510S                                                                                         | 13" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1510LS                                                                                        | 13" FUZE® SLOTTED SHALLOW PAN W/HINGE & LOCK               | 1   |
| FE1520R                                                                                         | 13" FUZE® Pro GRILL SHALLOW PAN - 13 SPOKE W/ HINGE & LOCK | 1   |
| <b>FE1600RS-S (STANDARD PAN) and FE1600RLS-S (SHALLOW PAN) parts specific to model</b>          |                                                            |     |
| FE1610S                                                                                         | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1610LS                                                                                        | 14' FUZE® SLOTTED SHALLOW PAN W/HINGE & LOCK               | 1   |
| FE1620R                                                                                         | 14" FUZE® Pro GRILL SHALLOW PAN - 14 SPOKE W/ HINGE & LOCK | 1   |
| <b>FE1800RS-S (STANDARD PAN) and FE1800RLS-S (SHALLOW PAN) parts specific to model</b>          |                                                            |     |
| FE1610S                                                                                         | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK             | 1   |
| FE1610LS                                                                                        | 14" FUZE® SLOTTED SHALLOW PAN W/HINGE & LOCK               | 1   |
| FE1820R                                                                                         | 14" FUZE® Pro GRILL SHALLOW PAN- 5 SPOKE W/ HINGE & LOCK   | 1   |

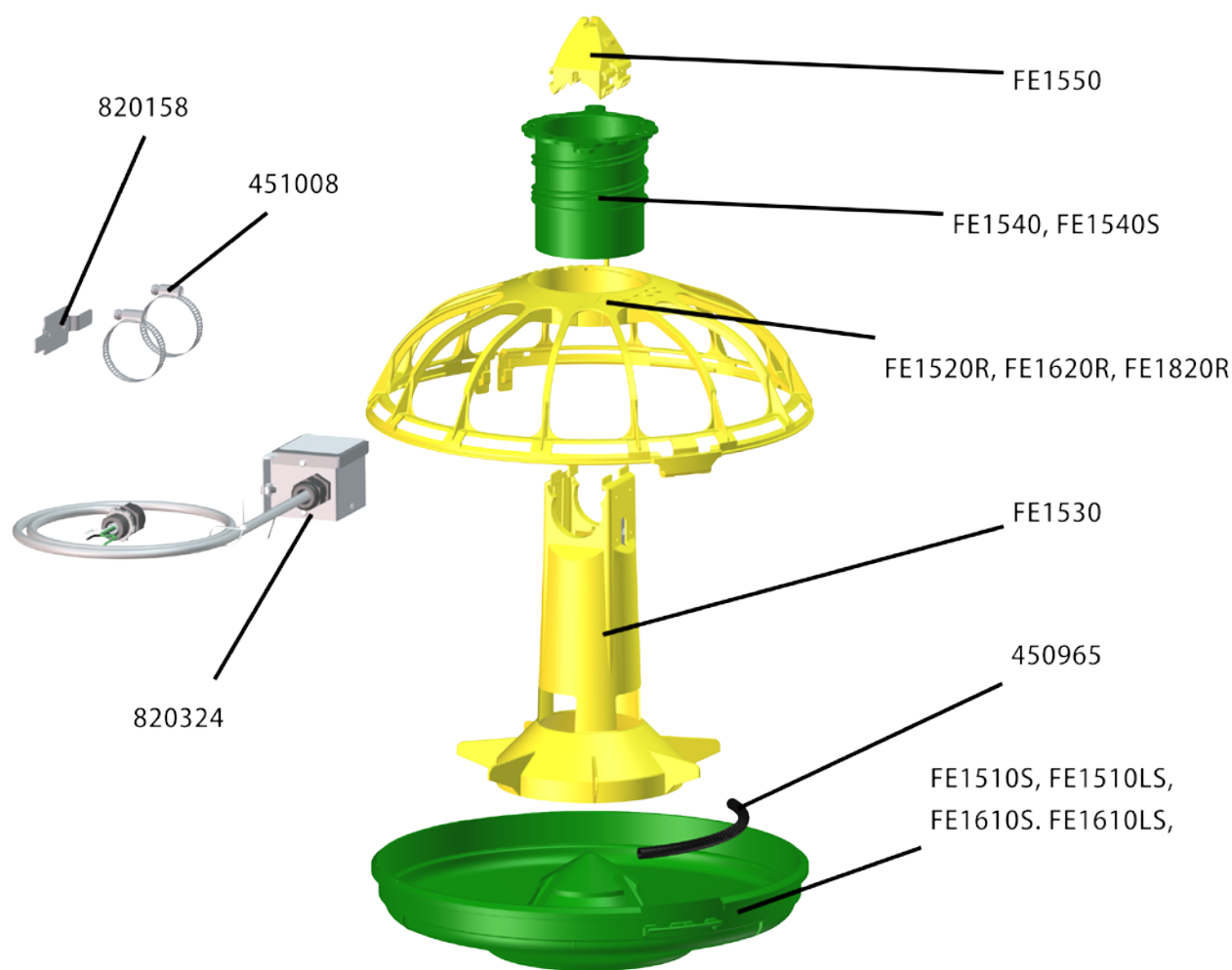
Exploded Control Pan with Proximity Switch



## Control Pan with Proximity Switch Parts List

| PART #                            | DESCRIPTION                                    | QTY |
|-----------------------------------|------------------------------------------------|-----|
| <b>Interchangeable Parts</b>      |                                                |     |
| 450965                            | 3/8" CABLE COVER                               | 2   |
| 451008                            | 1-3/4" SS TUBE CLAMP                           | 3   |
| 455926                            | FUZE® PROX CONTROL TOWER                       | 1   |
| 455928                            | 7/8" HOSE CLAMP                                | 1   |
| 750437                            | SENSOR, PROXIMITY, DOL26                       | 1   |
| 820158                            | FUZE® NON-SWING BRACKET                        | 2   |
| 820177                            | BRACKET, PROX SENSOR MTG                       | 1   |
| FE1550                            | FUZE® FEEDER TOWER CAP                         | 1   |
| <b>(parts specific to) 455919</b> |                                                |     |
| FE1540                            | FUZE® ADJ COLLAR - STANDARD PAN                | 1   |
| FE1610S                           | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK | 1   |
| FE1620R                           | 14" FUZE® Pro GRILL - 14 SPOKE W/ HINGE & LOCK | 1   |
| <b>(parts specific to) 455920</b> |                                                |     |
| FE1540                            | FUZE® ADJ COLLAR - STANDARD PAN                | 1   |
| FE1510S                           | 13" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK | 1   |
| FE1520R                           | 13" FUZE® Pro GRILL - 13 SPOKE W/ HINGE & LOCK | 1   |
| <b>(parts specific to) 455921</b> |                                                |     |
| FE1540S                           | FUZE® ADJ COLLAR - SHALLOW PAN                 | 1   |
| FE1510LS                          | 13" FUZE® SLOTTED SHALLOW PAN W/HINGE & LOCK   | 1   |
| FE1520R                           | 13" FUZE® Pro GRILL - 13 SPOKE W/ HINGE & LOCK | 1   |
| <b>(parts specific to) 455922</b> |                                                |     |
| FE1540S                           | FUZE® ADJ COLLAR - SHALLOW PAN                 | 1   |
| FE1610LS                          | 14" FUZE® SLOTTED SHALLOW PAN W/ HINGE & LOCK  | 1   |
| FE1620R                           | 14" FUZE® Pro GRILL - 14 SPOKE W/ HINGE & LOCK | 1   |
| <b>(parts specific to) 455923</b> |                                                |     |
| FE1540                            | FUZE® ADJ COLLAR - STANDARD PAN                | 1   |
| FE1610S                           | 14" FUZE® SLOTTED STANDARD PAN W/ HINGE & LOCK | 1   |
| FE1820R                           | 14" FUZE® Pro GRILL - 5 SPOKE W/ HINGE & LOCK  | 1   |
| <b>(parts specific to) 455924</b> |                                                |     |
| FE1540S                           | FUZE® ADJ COLLAR - SHALLOW PAN                 | 1   |
| FE1610LS                          | 14" FUZE® SLOTTED SHALLOW PAN W/ HINGE & LOCK  | 1   |
| FE1820R                           | 14" FUZE® Pro GRILL - 5 SPOKE W/ HINGE & LOCK  | 1   |

Exploded Control Pan with Mechanical Switch



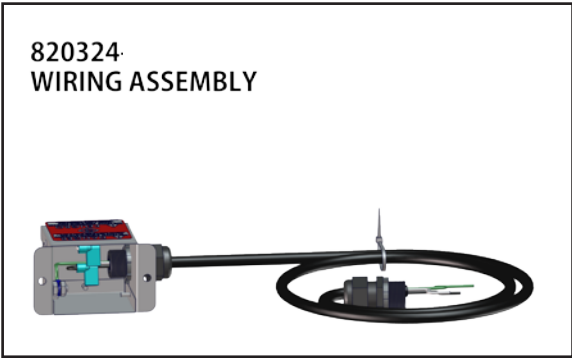
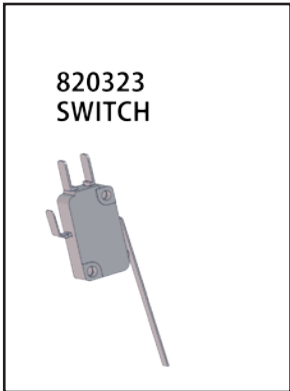
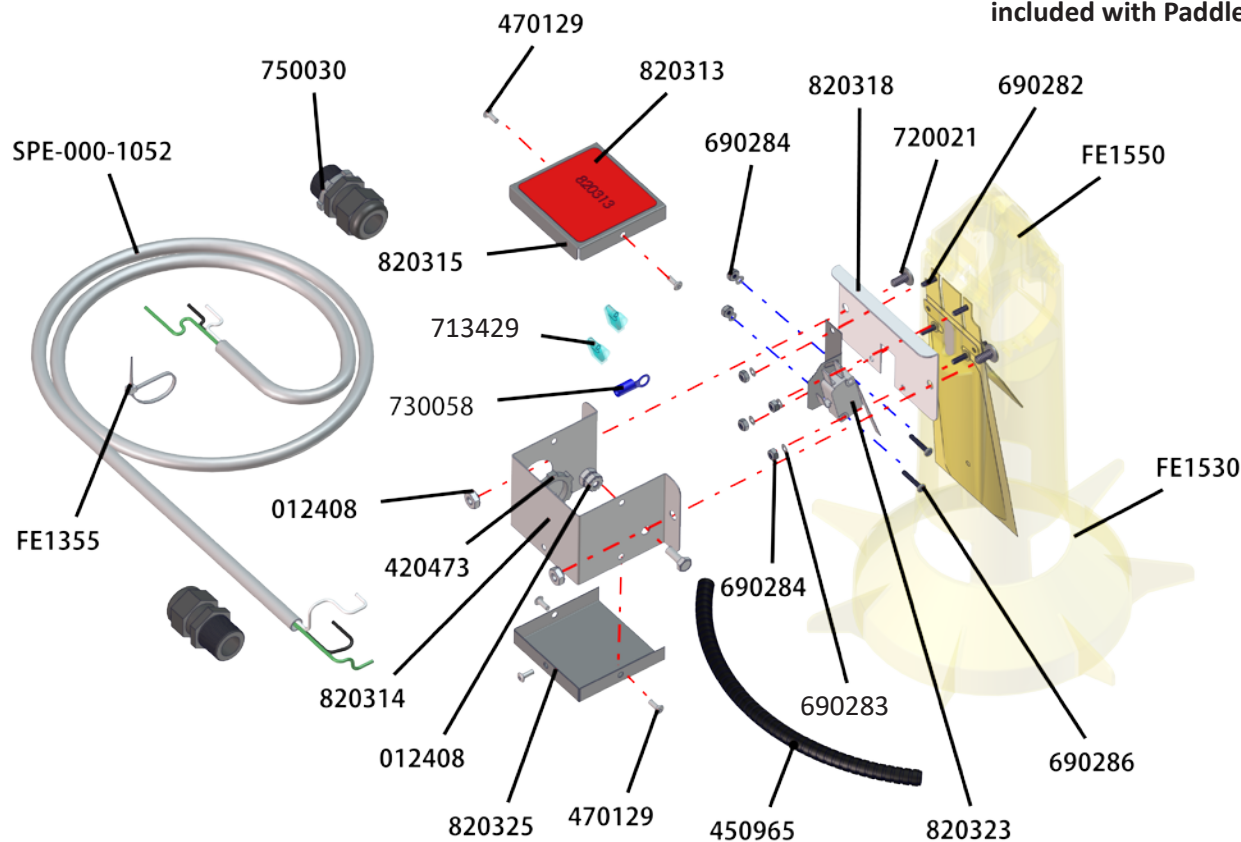
## Control Pan with Mechanical Switch Parts List

| PART #                                                      | DESCRIPTION - CONTROL PANS                      | QTY |
|-------------------------------------------------------------|-------------------------------------------------|-----|
| <b>Interchangeable Components (all Mech. Switch models)</b> |                                                 |     |
| 450965                                                      | 3/8" CABLE COVER                                | 1   |
| 451008                                                      | 1-3/4" SS TUBE CLAMP                            | 2   |
| 820158                                                      | FUZE® NON-SWING BRACKET                         | 1   |
| 820323                                                      | SWITCH, SPDT, 21A, 277VAC 1HP/125VAC, HP/250VAC | 1   |
| 820319                                                      | TOWER, ADJ. SWITCH, FUZE® CONTROL PAN           | 1   |
| 820324                                                      | WIRING ASSY, FUZE® CNTL PAN, MECH SWITCH        | 1   |
| FE1550                                                      | FUZE® FEEDER TOWER CAP                          | 1   |
| <b>(parts specific to) 820327</b>                           |                                                 |     |
| FE1510S                                                     | 13" FUZE® SLOTTED STANDARD PAN W/HINGE & LOCK   | 1   |
| FE1520R                                                     | 13" FUZE® GRILL - 13 SPOKES W/ HINGE & LOCK     | 1   |
| FE1540                                                      | FUZE® ADJ COLLAR - STANDARD PAN                 | 1   |
| <b>(parts specific to) 820328</b>                           |                                                 |     |
| FE1510LS                                                    | 13" FUZE® SLOTTED SHALLOW PAN W/ HINGE & LOCK   | 1   |
| FE1520R                                                     | 13" FUZE® Pro GRILL - 13 SPOKE W/ HINGE & LOCK  | 1   |
| FE1540S                                                     | FUZE® ADJ COLLAR - SHALLOW PAN                  | 1   |
| <b>(parts specific to) 820329</b>                           |                                                 |     |
| FE1610S                                                     | 14" FUZE® SLOTTED STANDARD PAN W/HINGE & LOCK   | 1   |
| FE1620R                                                     | 14" FUZE® Pro GRILL - 14 SPOKE W/ HINGE & LOCK  | 1   |
| FE1540                                                      | FUZE® ADJ COLLAR - STANDARD PAN                 | 1   |
| <b>(parts specific to) 820330</b>                           |                                                 |     |
| FE1610LS                                                    | 14" FUZE® SLOTTED SHALLOW PAN W/ HINGE & LOCK   | 1   |
| FE1620R                                                     | 14" FUZE® Pro GRILL - 14 SPOKE W/ HINGE & LOCK  | 1   |
| FE1540S                                                     | FUZE® ADJ COLLAR - SHALLOW PAN                  | 1   |
| <b>(parts specific to) 820331</b>                           |                                                 |     |
| FE1610S                                                     | 14" FUZE® SLOTTED STANDARD PAN                  | 1   |
| FE1820R                                                     | 14" FUZE® Pro GRILL - 5 SPOKE W/ HINGE & LOCK   | 1   |
| FE1540                                                      | FUZE® ADJ COLLAR - STANDARD PAN                 | 1   |
| <b>(parts specific to) 820332</b>                           |                                                 |     |
| FE1610LS                                                    | 14" FUZE® SLOTTED SHALLOW PAN W/ HINGE & LOCK   | 1   |
| FE1820R                                                     | 14" FUZE® Pro GRILL - 5 SPOKE W/ HINGE & LOCK   | 1   |
| FE1540S                                                     | FUZE® ADJ COLLAR - SHALLOW PAN                  | 1   |

Replacement Parts/Control Pan Mechanical Switch

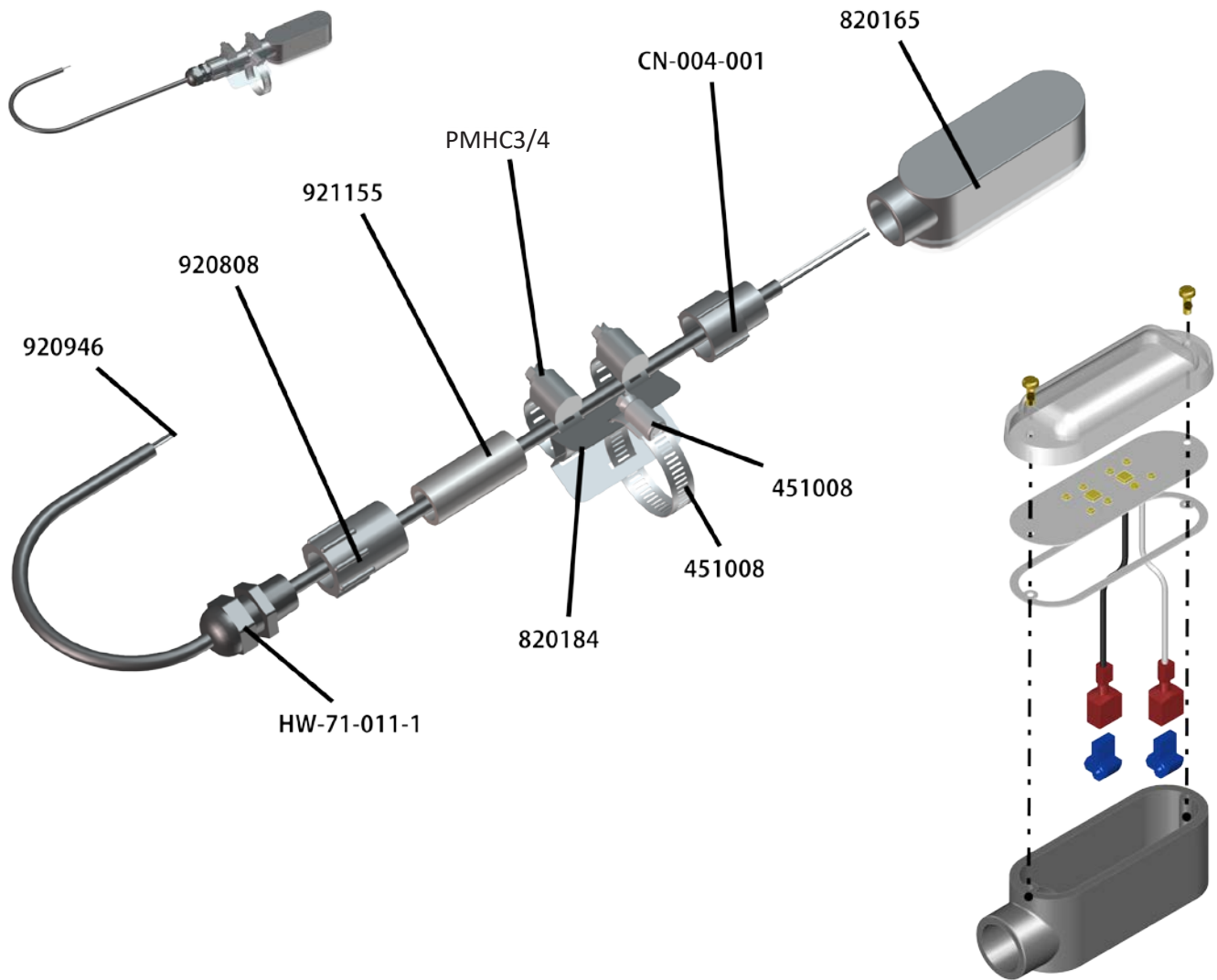
820333  
PADDLE ASSY, ADJ SWITCH  
FUZE® CONTROL PAN

Tower is shown in low  
opacity for orientation.  
Tower parts are not  
included with Paddle Assy



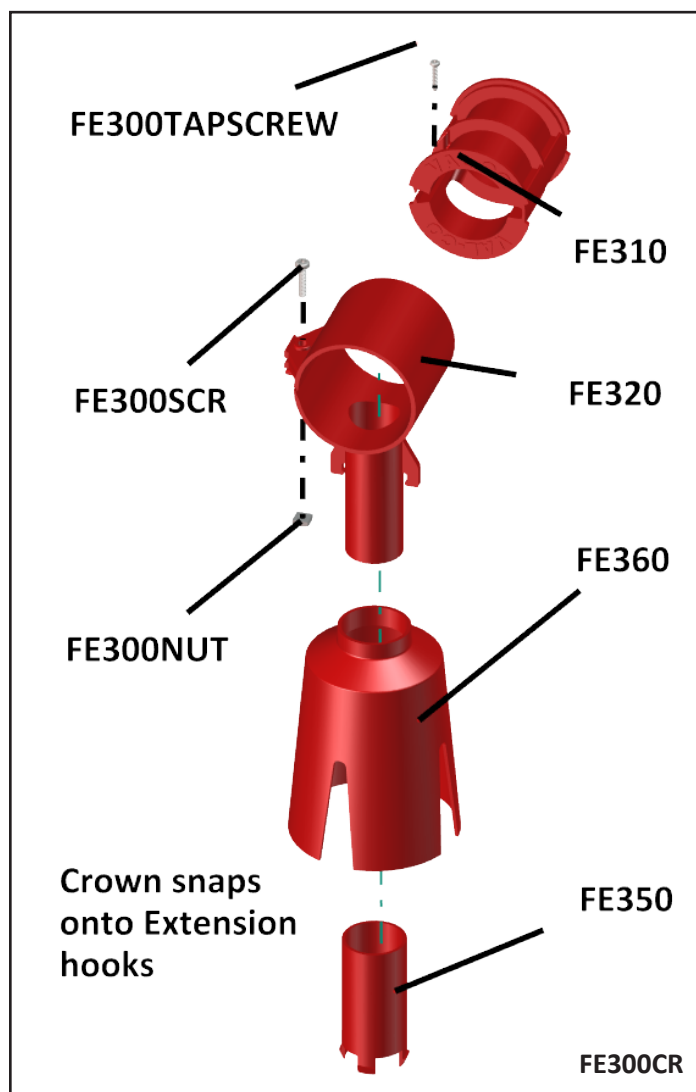
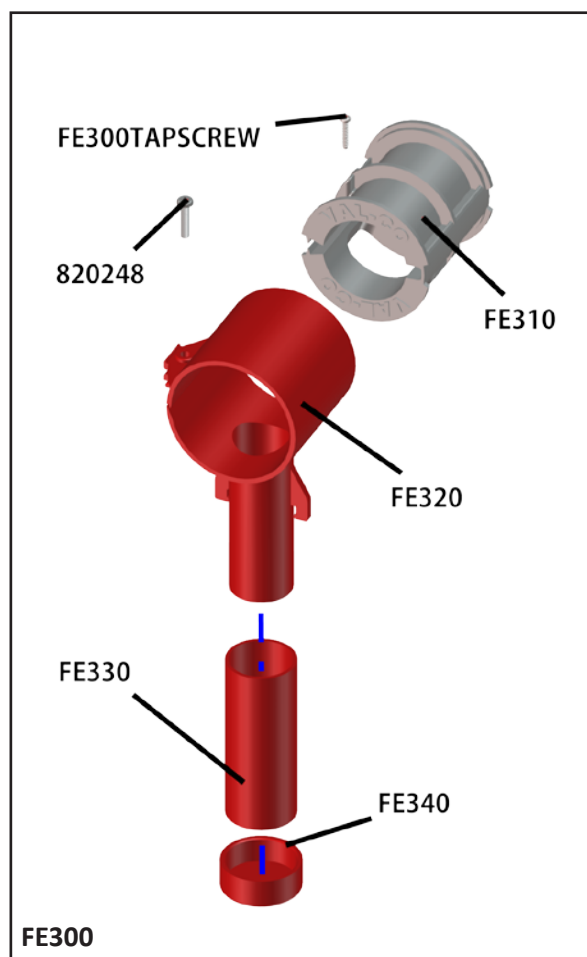
| PART #                                                | DESCRIPTION                                       | QTY |
|-------------------------------------------------------|---------------------------------------------------|-----|
| REPLACEMENT PARTS (ordered as assemblies shown below) |                                                   |     |
| 820323                                                | SWITCH, SPDT, 21A, 277VAC, 1HP/125VAC, 2HP/250VAC | 1   |
| 820324                                                | WIRING ASSEMBLY, FUZE® CONTROL PAN, MECH SWITCH   | 1   |
| 820333                                                | PADDLE ASSY, ADJ SWITCH FUZE® CONTROL PAN         | 1   |

## Bird Attracting LED light for Control Pans (Universal)



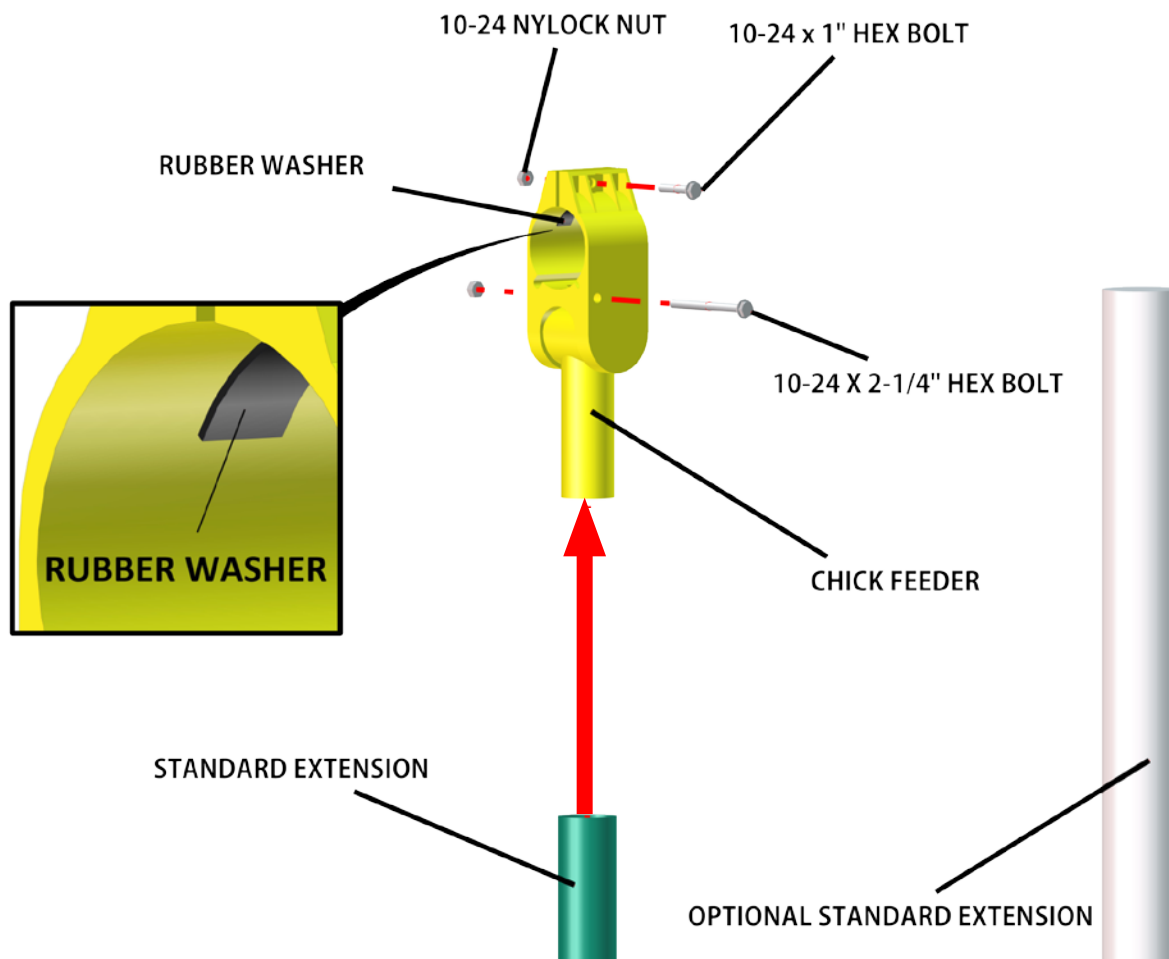
| PART #                              | DESCRIPTION                                                     | QTY |
|-------------------------------------|-----------------------------------------------------------------|-----|
| <b>820022 BIRD ATTRACTING LIGHT</b> |                                                                 |     |
| 451008                              | 1-3/4" SS TUBE CLAMP                                            | 1   |
| 820165                              | LIGHT, LED, CONTROL PAN                                         | 1   |
| 820184                              | BRACKET, LED FEEDER LIGHT MTG                                   | 1   |
| 920808                              | ADAPTER, 1/2"NPTF X SKT, SCH40 NON-METALIC                      | 1   |
| 920946                              | CABLE, 18/2 18AWG, 10A, 300V, BLK, PVC JACKET, .29 OD           | 3   |
| 980057                              | CONNECTOR, ELECT, FLAG, FEM, .187 X.020, 22-18, FULLY INSULATED | 2   |
| 921155                              | CONDUIT SCHEDULE 40 1/2" x 2"                                   | 1   |
| CN-004-001                          | ADAPTER, 1/2"NPTM X SKT, SCH40 NON-METALIC                      | 1   |
| HW-71-011                           | STRAIN RELIEF CABLE DOME 1/2                                    | 1   |
| PMHC3/4                             | TRIDON HOSE CLAMP 3/4"                                          | 2   |

## Best Start Chick Feeder (FE300, FE300CR)



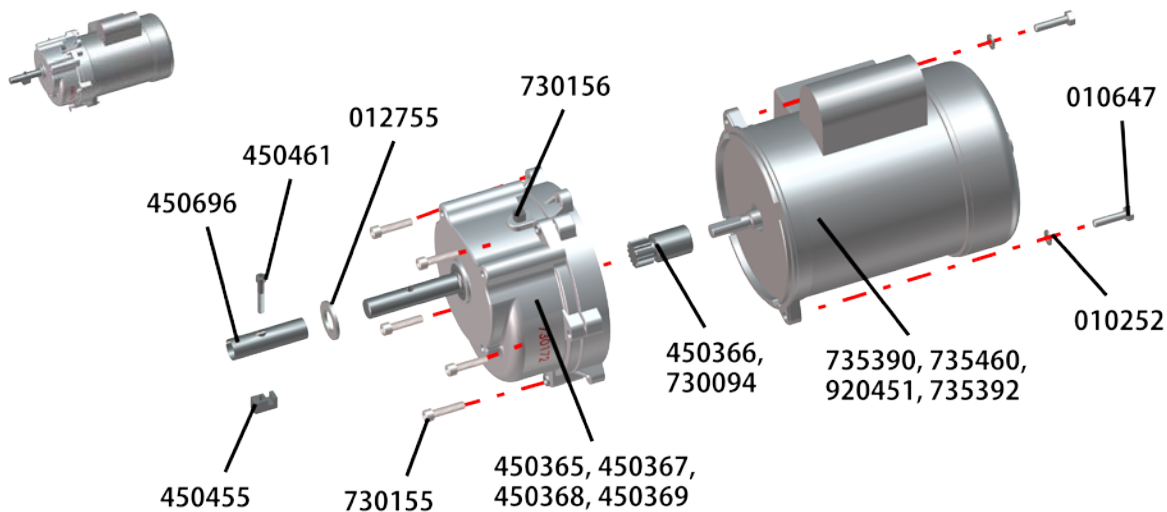
| PART #                                                  | DESCRIPTION                                             | QTY |
|---------------------------------------------------------|---------------------------------------------------------|-----|
| <b>Interchangeable Parts</b>                            |                                                         |     |
| FE310                                                   | SPOOL FOR BEST START CHICK FEEDER                       | 1   |
| FE320                                                   | DROP FOR BEST START CHICK FEEDER                        | 1   |
| FE300NUT                                                | #8-32 SQUARE NUT, 11/32"WD X 1/8" THR SS                | 1   |
| FE300SCR                                                | #8-32 x 3/4 " PHILLIPS ROUND 188 SS                     | 1   |
| FE300TAPSCREW                                           | NO.4 X 3/4"LONG PAN HD SHT METAL SCR SS                 | 1   |
| <b>FE300 - BEST START CHICK FEEDER</b>                  |                                                         |     |
| FE330                                                   | EXTENDER FOR BEST START CHICK FEEDER                    | 1   |
| FE340                                                   | CAP FOR EXT. FOR BEST START CHICK FEEDER                | 1   |
| <b>FE300CR - BEST START CHICK FEEDER W/CROWN SLEEVE</b> |                                                         |     |
| FE350                                                   | HOOKEED EXTENDER FOR BEST START FEEDER (USE WITH FE360) | 1   |
| FE360                                                   | CROWN SPREADER FOR BEST START FEEDER (USE WITH FE350)   | 1   |

## Best Start Chick Feeder II (820005, 820006)



| PART #                                                              | DESCRIPTION                                                 | QTY |
|---------------------------------------------------------------------|-------------------------------------------------------------|-----|
| 820005                                                              | BEST START II CHICK FEEDER                                  | 1   |
| 820006                                                              | BEST START II CHICK FEEDER - OPTIONAL STAND. EXTENSION      | 1   |
| 820009                                                              | BEST START II CHICK FEEDER -OPTIONAL 6" EXTENSION BOX OF 50 | 1   |
| <b><i>All the above are shipped in quantities of 50 per box</i></b> |                                                             |     |
| <b>HARDWARE and WASHER (Included)</b>                               |                                                             |     |
| No Val-Co equivalent Part #                                         | 10-24 x 1" Hex Bolt                                         | 50  |
| No Val-Co equivalent Part #                                         | 10-24 x 2-1/4" Hex Bolt                                     | 50  |
| No Val-Co equivalent Part #                                         | 10-24 Nylock Nut                                            | 100 |
| No Val-Co equivalent Part #                                         | RUBBER WASHER                                               | 50  |

## Direct Drive and Gearbox Exploded view and Parts List

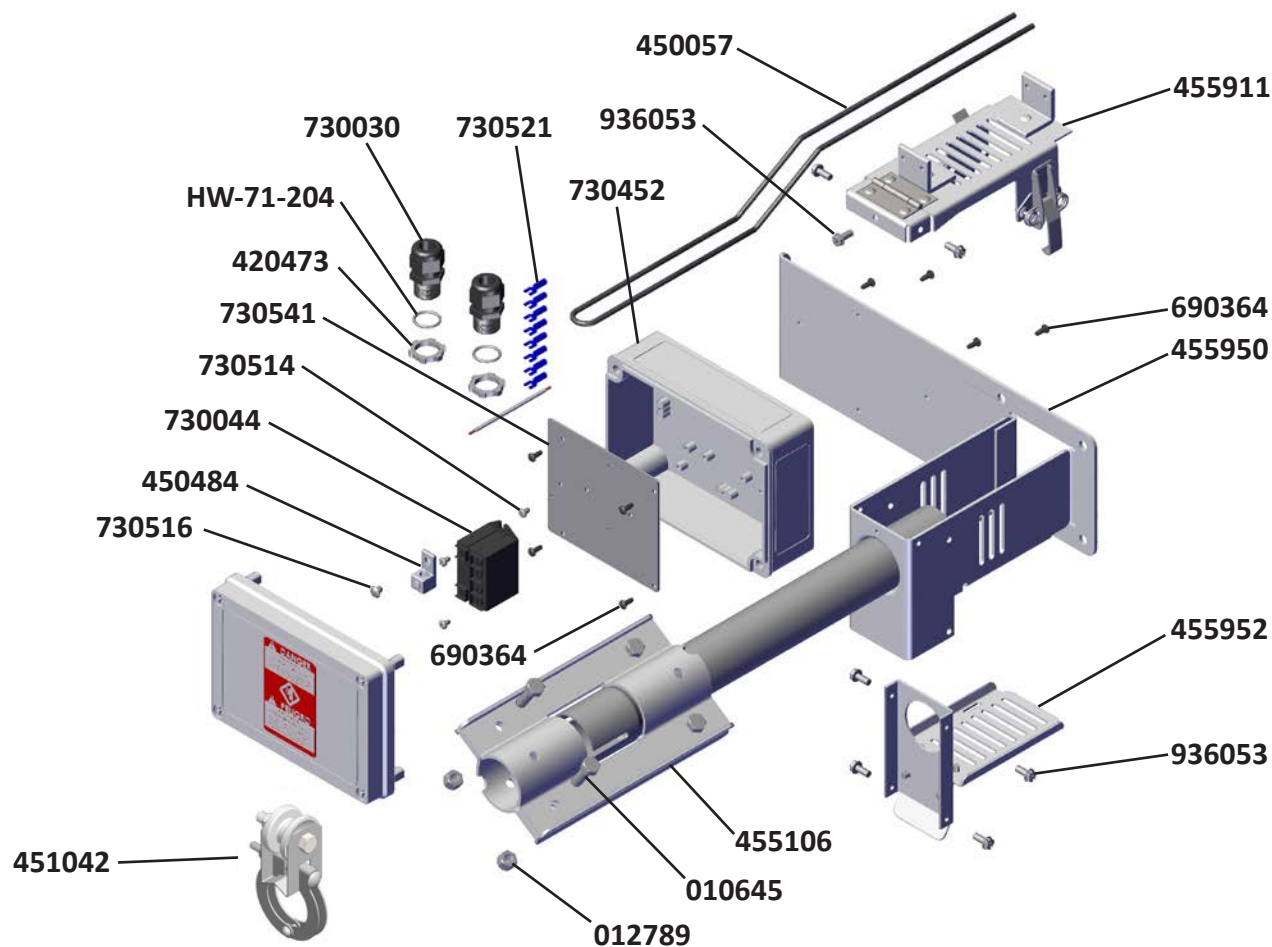


| PART #                                                         | DESCRIPTION                                                | QTY |
|----------------------------------------------------------------|------------------------------------------------------------|-----|
| <b>450287 MOTOR/GEARBOX ASSY – 543/657 RPM 1P</b>              |                                                            |     |
| 735390                                                         | MTR,.50HP,115/230V,50/60HZ,1P 1425/1725RPM,56N,SF1.00,IN.B | 1   |
| 450369                                                         | GEARBOX, 2.63:1 RATIO, 3/4 SH 56N DIE CAST AL              | 1   |
| 450366                                                         | 1/2" PINION DIE CAST- COMPLETE                             | 1   |
| <b>450391 MOTOR/GEARBOX ASSY – 359 RPM 3P</b>                  |                                                            |     |
| 735460                                                         | MTR,.50HP,190/380&208-230/460V 50&60HZ,3P,1425/1725RPM,56N | 1   |
| 450365                                                         | GEARBOX, 4.81:1 RATIO, 3/4 SH 56N, DIE CAST AL             | 1   |
| 450366                                                         | 1/2" PINION DIE CAST- COMPLETE                             | 1   |
| <b>450393 MOTOR/GEARBOX ASSY – 441 RPM 1P</b>                  |                                                            |     |
| 735390                                                         | MTR,.50HP,115/230V,50/60HZ,1P 1425/1725RPM,56N,SF1.00,IN.B | 1   |
| 450368                                                         | GEARBOX, 3.91:1 RATIO, 3/4 SH 56N, DIE CAST AL             | 1   |
| 450366                                                         | 1/2" PINION DIE CAST- COMPLETE                             | 1   |
| <b>450395/MOTOR/GEARBOX ASSY – 441 RPM 3P</b>                  |                                                            |     |
| 735460                                                         | MTR,.50HP,190/380&208-230/460V 50&60HZ,3P,1425/1725RPM,56Y | 1   |
| 450368                                                         | GEARBOX, 3.91:1 RATIO, 3/4 SH 56N, DIE CAST AL             | 1   |
| 450366                                                         | 1/2" PINION DIE CAST- COMPLETE                             | 1   |
| <b>450397/MOTOR/GEARBOX ASSY – 226 RPM 1P</b>                  |                                                            |     |
| 735390                                                         | MTR,.50HP,115/230V,50/60HZ,1P 1425/1725RPM,56N,SF1.00,IN.B | 1   |
| 450367                                                         | GEARBOX, 7.63:1 RATIO, 3/4 SH 56N, DIE CAST AL             | 1   |
| 450366                                                         | 1/2" PINION DIE CAST- COMPLETE                             | 1   |
| <b>451028/MOTOR/GEARBOX ASSY – 657 RPM 1P</b>                  |                                                            |     |
| 735392                                                         | MTR,1HP,115/208-230V,50/60HZ 1P,1725RPM,56Y,SF1.15,IN.B    | 1   |
| 450369                                                         | GEARBOX, 2.63:1 RATIO, 3/4 SH 56N, DIE CAST AL             | 1   |
| 730094                                                         | 5/8" PINION (DIE CAST)                                     | 1   |
| ADDITIONAL MOTOR MODELS AND INTERCHANGEABLE PARTS ON NEXT PAGE |                                                            |     |

## Direct Drive and Gearbox Exploded view and Parts List - continued

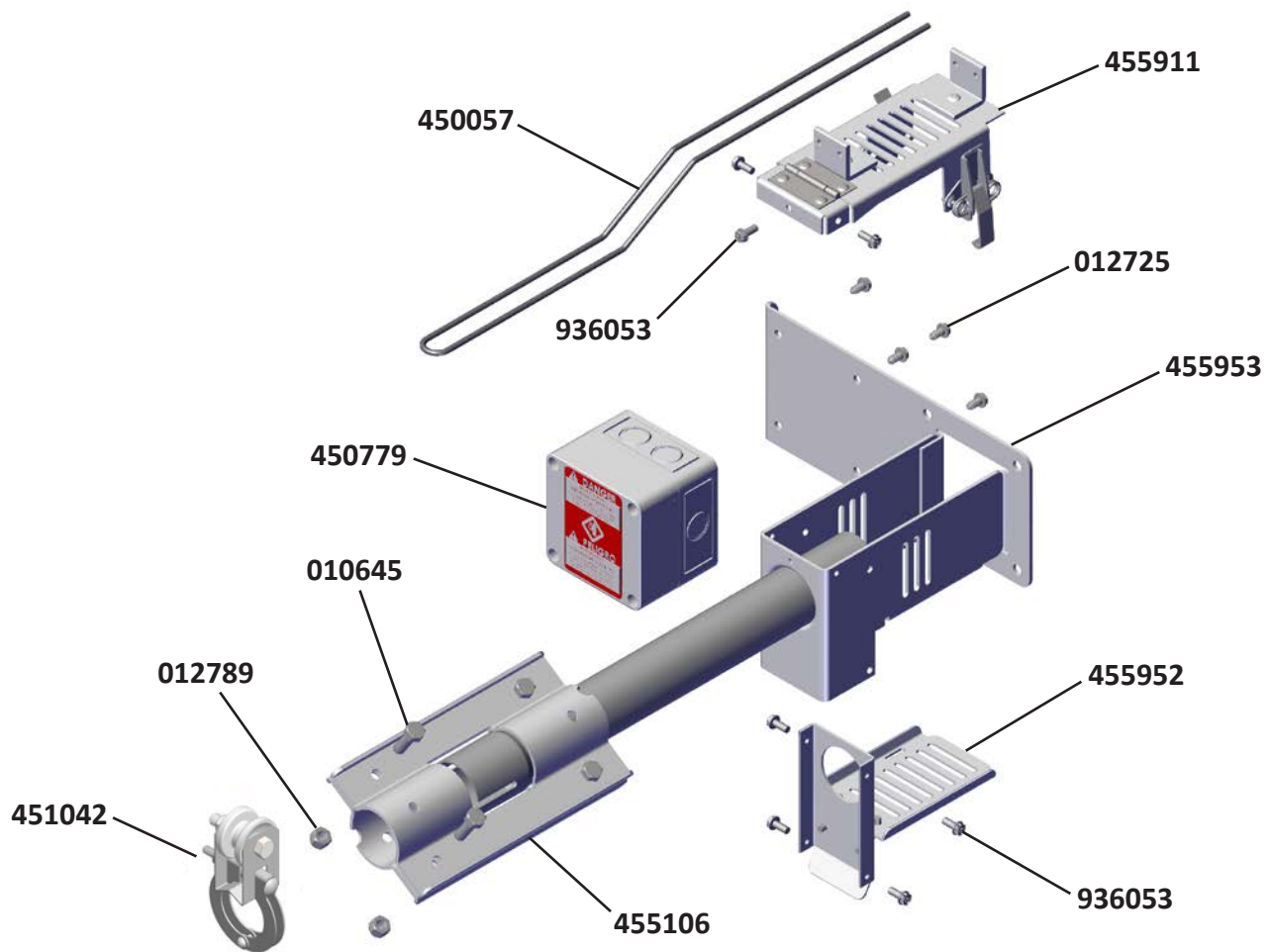
| PART #                                            | DESCRIPTION                                                 | QTY |
|---------------------------------------------------|-------------------------------------------------------------|-----|
| <b>451101/MOTOR/GEARBOX ASSY – 359 RPM 3P</b>     |                                                             |     |
| 920451                                            | MTR, 0.75HP, 380V, 60HZ, 3P 1720RPM, 56C, SF1.15, IN.F      | 1   |
| 730126                                            | 3-PHASE ADAPTER FACE PLATE                                  | 1   |
| 450365                                            | GEARBOX, 4.81:1 RATIO, 3/4 SH 56N, DIE CAST AL              | 1   |
| 730094                                            | 5/8" PINION (DIE CAST)                                      | 1   |
| <b>451102/MOTOR/GEARBOX ASSY – 657 RPM 3P</b>     |                                                             |     |
| 920451                                            | MTR, 0.75HP, 380V, 60HZMPLTE, 3P 1720RPM, 56C, SF1.15, IN.F | 1   |
| 730126                                            | 3-PHASE ADAPTER FACE PLATE                                  | 1   |
| 450369                                            | GEARBOX, 2.63:1 RATIO, 3/4 SH 56N, DIE CAST AL              | 1   |
| 730094                                            | 5/8" PINION (DIE CAST)                                      | 1   |
| <b>460025/MOTOR/GEARBOX ASSY – 296/359 RPM 1P</b> |                                                             |     |
| 735390                                            | MTR,.50HP,115/230V,50/60HZ,1P 1425/1725RPM,56N,SF1.00,IN.B  | 1   |
| 450365-PH                                         | GEARBOX, 4.81:1 RATIO, 3/4 SH 56N, DIE CAST AL              | 1   |
| 450366                                            | 1/2" PINION DIE CAST- COMPLETE                              | 1   |
| <b>Interchangeable Parts</b>                      |                                                             |     |
| 010252                                            | WASHER, LOCK 5/16" MED SPLIT ZP                             | 2   |
| 010647                                            | 5/16" X 1-1/4" HEX BOLT                                     | 2   |
| 012755                                            | WASHER, FLAT, 3/4" SAE                                      | 1   |
| 450366                                            | 1/2" PINION DIE CAST- COMPLETE                              | 1   |
| 450369                                            | GEARBOX, 2.63:1 RATIO, 3/4 SH 56N, DIE CAST AL              | 1   |
| 450455                                            | 1/4-20 THREAD DRIVE BLOCK                                   | 1   |
| 450461                                            | 1/4-20 X 1-1/2" SOCKET HEAD SCREW                           | 1   |
| 450696                                            | .028 AUGER SHIM                                             | 1   |
| 730141                                            | VENT PLUG                                                   | 1   |

## Drive End Control, 1PH, DPST Relay (455960)



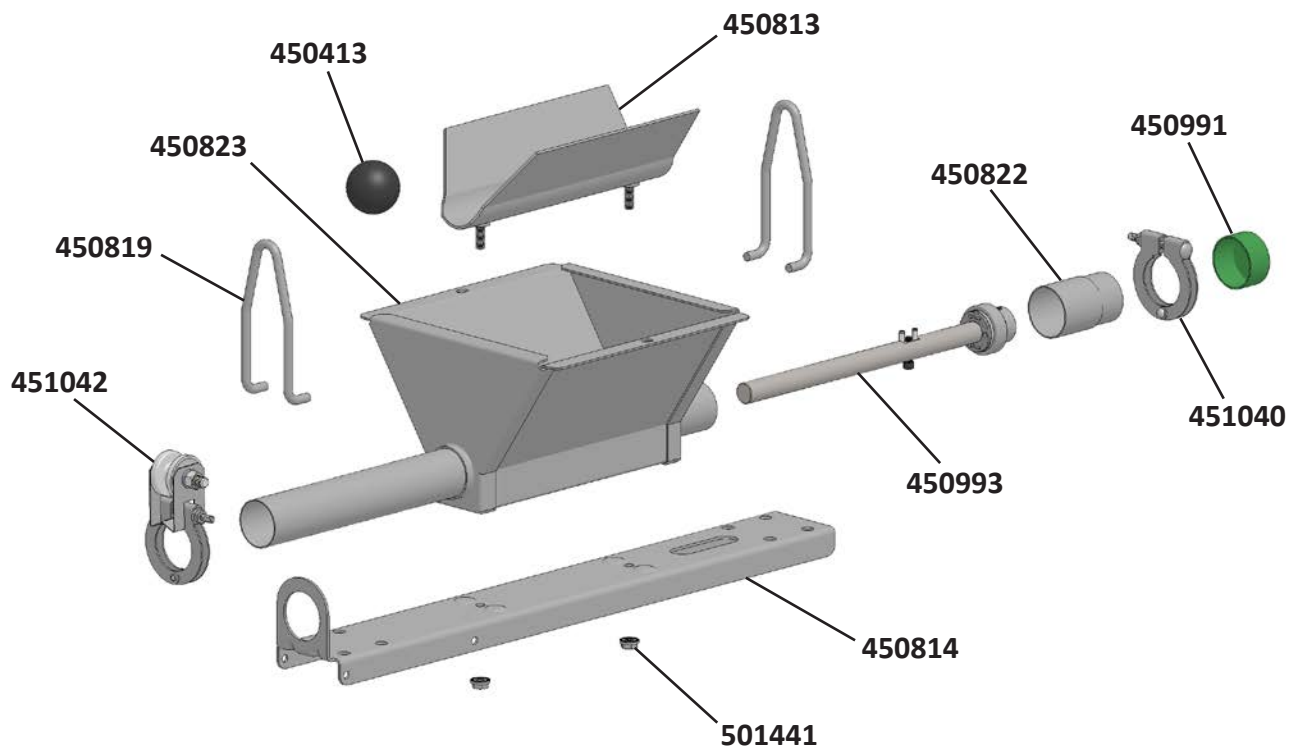
| PART #                                             | DESCRIPTION                           | QTY |
|----------------------------------------------------|---------------------------------------|-----|
| <b>DRIVE END CONTROL, 1PH, DPST RELAY (455960)</b> |                                       |     |
| 010645                                             | 5/16" X 1" HEX BOLT                   | 4   |
| 012789                                             | 5/16-18 NYLOCK NUT                    | 4   |
| 420473                                             | 1/2" CONDUIT NUT                      | 2   |
| 450057                                             | ANTI-ROOST GUARD WIRE                 | 1   |
| 450484                                             | GROUND BLOCK                          | 1   |
| 451042                                             | ANTI-ROOST INSULATOR BRACKET ASSEMBLY | 1   |
| 455106                                             | BROILER DRIVE UNIT TUBE JOINER        | 2   |
| 455911                                             | TOP PLATE ASSEMBLY                    | 1   |
| 455950                                             | 1 PH DRIVE END WELDMENT               | 1   |
| 455952                                             | BOTTOM GUARD AND SUPPORT              | 1   |
| 690364                                             | #6-19 X 3/8" PPHMS SCREW              | 8   |
| 730044                                             | POWER RELAY, DPST 25A 240V            | 1   |
| 730452                                             | ENCLOSURE 5" X 7" X 3"                | 1   |
| 730514                                             | 6-32 X 1/4" PPH TRS SCREW             | 3   |
| 730516                                             | 10-32 X 1/4" PPH TRS SCREW            | 1   |
| 730521                                             | TERMINAL, SPADE, 16-14AWG, #6         | 8   |
| 730541                                             | MOUNTING PLATE, CONTROL BOX           | 1   |
| 750030                                             | STRAIGHT-THRU GROMMET                 | 2   |
| 936053                                             | #10 X 1/2" SHEET METAL SCREW          | 7   |
| HW-71-204                                          | O-RING, 11/16" ID, 13/16" OD          | 2   |

## Drive End Control, 1PH or 3PH, No Relay (455965)



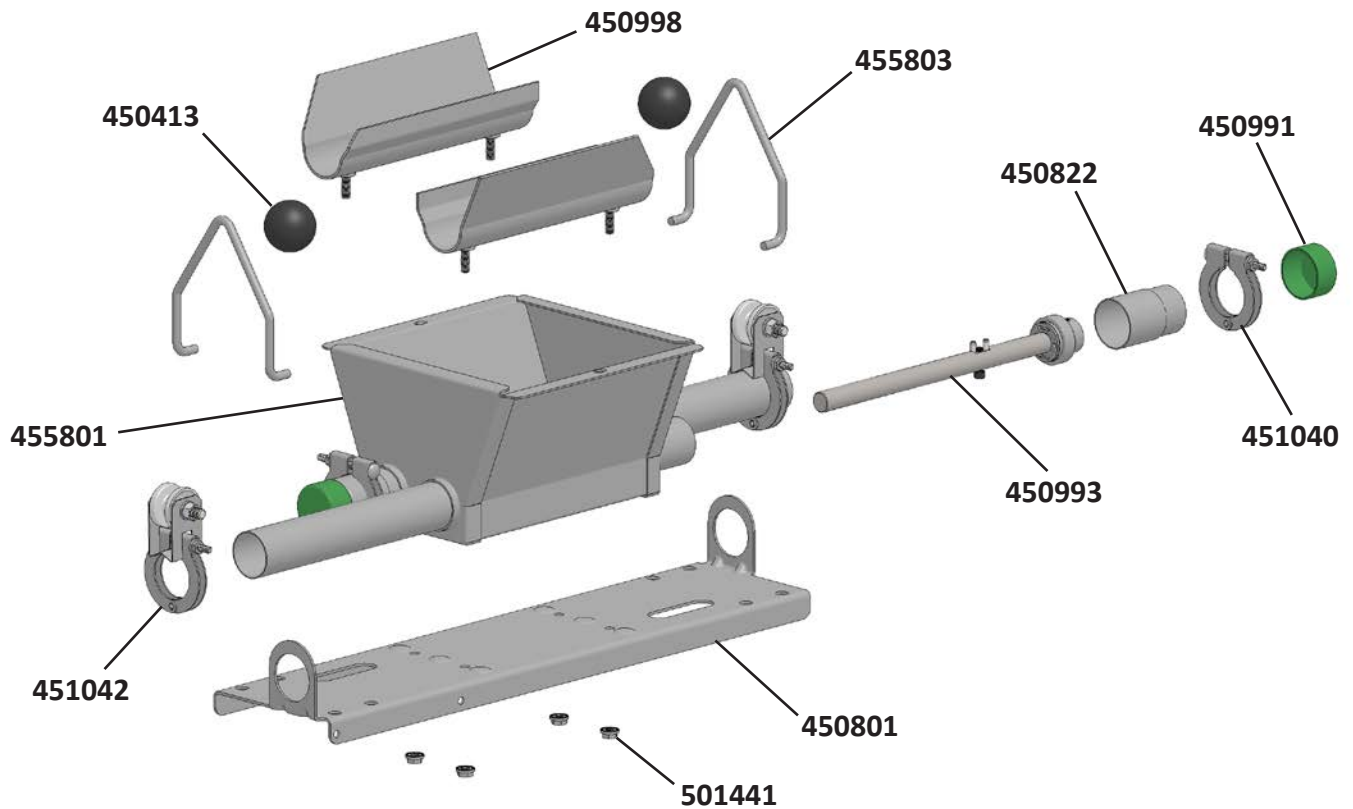
| PART #                                                   | DESCRIPTION                           | QTY |
|----------------------------------------------------------|---------------------------------------|-----|
| <b>DRIVE END CONTROL, 1PH OR 3 PH, NO RELAY (455965)</b> |                                       |     |
| 010645                                                   | 5/16" X 1" HEX BOLT                   | 4   |
| 012725                                                   | #12 X 1/2" HEX HEAD SHEET METAL SCREW | 4   |
| 012789                                                   | 5/16-18 NYLOCK NUT                    | 4   |
| 450057                                                   | ANTI-ROOST GUARD WIRE                 | 1   |
| 450779                                                   | SQUARE ENCLOSURE, 3.7" X 3.7" X 3.19" | 1   |
| 451042                                                   | ANTI-ROOST INSULATOR BRACKET ASSEMBLY | 1   |
| 455106                                                   | BROILER DRIVE UNIT TUBE JOINER        | 2   |
| 455911                                                   | TOP PLATE ASSEMBLY                    | 1   |
| 455952                                                   | BOTTOM GUARD AND SUPPORT              | 1   |
| 455953                                                   | 3 PH DRIVE END WELDMENT               | 1   |
| 936053                                                   | #10 X 1/2" SHEET METAL SCREW          | 7   |

## Single Boot Exploded (450810)



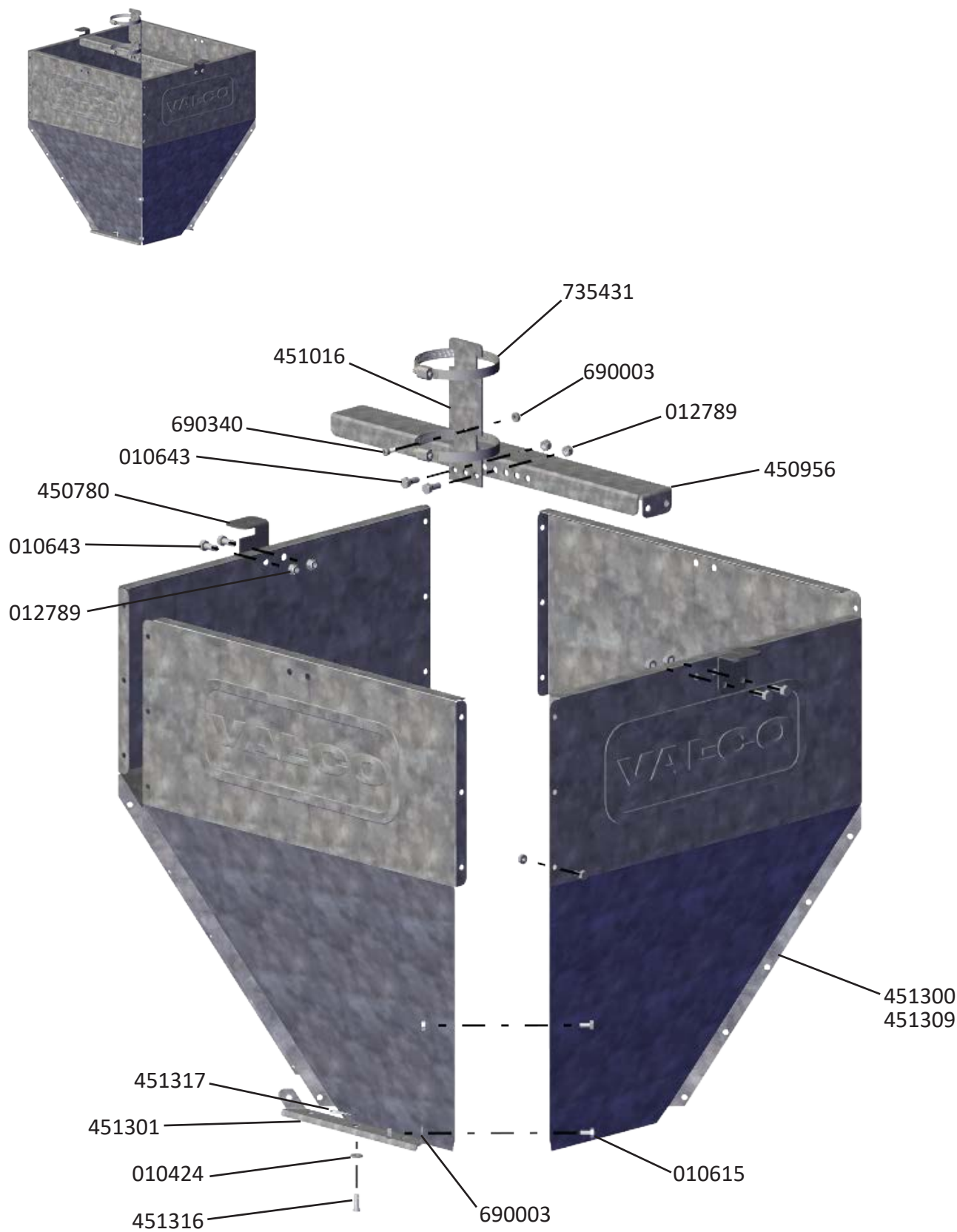
| PART #                    | DESCRIPTION                           | QTY |
|---------------------------|---------------------------------------|-----|
| <b>450810 SINGLE BOOT</b> |                                       |     |
| 450413                    | AGITATOR BALL                         | 1   |
| 450813                    | 1.75" SGL BOOT LINER                  | 1   |
| 450814                    | 1.75" BOOT SUPPORT RAIL               | 1   |
| 450819                    | BOOT HANGER                           | 2   |
| 450822                    | BEARING RETAINER TUBE                 | 1   |
| 450823                    | 1.75" BOOT HOUSING ASSY               | 1   |
| 450991                    | 1-3/4" BEARING CAP                    | 1   |
| 450993                    | 1.75" FLGHT ANCHOR ASSY               | 1   |
| 451040                    | FEEDER TUBE CLAMP                     | 1   |
| 451042                    | ANTI-ROOST INSULATOR BRACKET ASSEMBLY | 1   |
| 501441                    | NUT, HEX FLANGE 5/16"-18, ZP JS500    | 2   |

## Double Boot Exploded (450800)



| PART#                     | DESCRIPTION                           | QTY |
|---------------------------|---------------------------------------|-----|
| <b>450800 DOUBLE BOOT</b> |                                       |     |
| 450413                    | AGITATOR BALL                         | 2   |
| 450801                    | 1.75" TWIN BOOT SUPPORT RAIL          | 1   |
| 450822                    | BEARING RETAINER TUBE                 | 2   |
| 450991                    | 1-3/4" BEARING CAP                    | 2   |
| 450993                    | 1.75" FLGHT ANCHOR ASSY               | 2   |
| 450998                    | 1.75" TWIN BOOT LINER                 | 2   |
| 451040                    | FEEDER TUBE CLAMP                     | 2   |
| 451042                    | ANTI-ROOST INSULATOR BRACKET ASSEMBLY | 2   |
| 455801                    | 1.75" TWIN BOOT HSG ASSY              | 1   |
| 455803                    | TWIN BROILER BOOT HANGER              | 2   |
| 501441                    | NUT, HEX FLANGE 5/16"-18, ZP JS500    | 4   |

Hopper Exploded Drawing



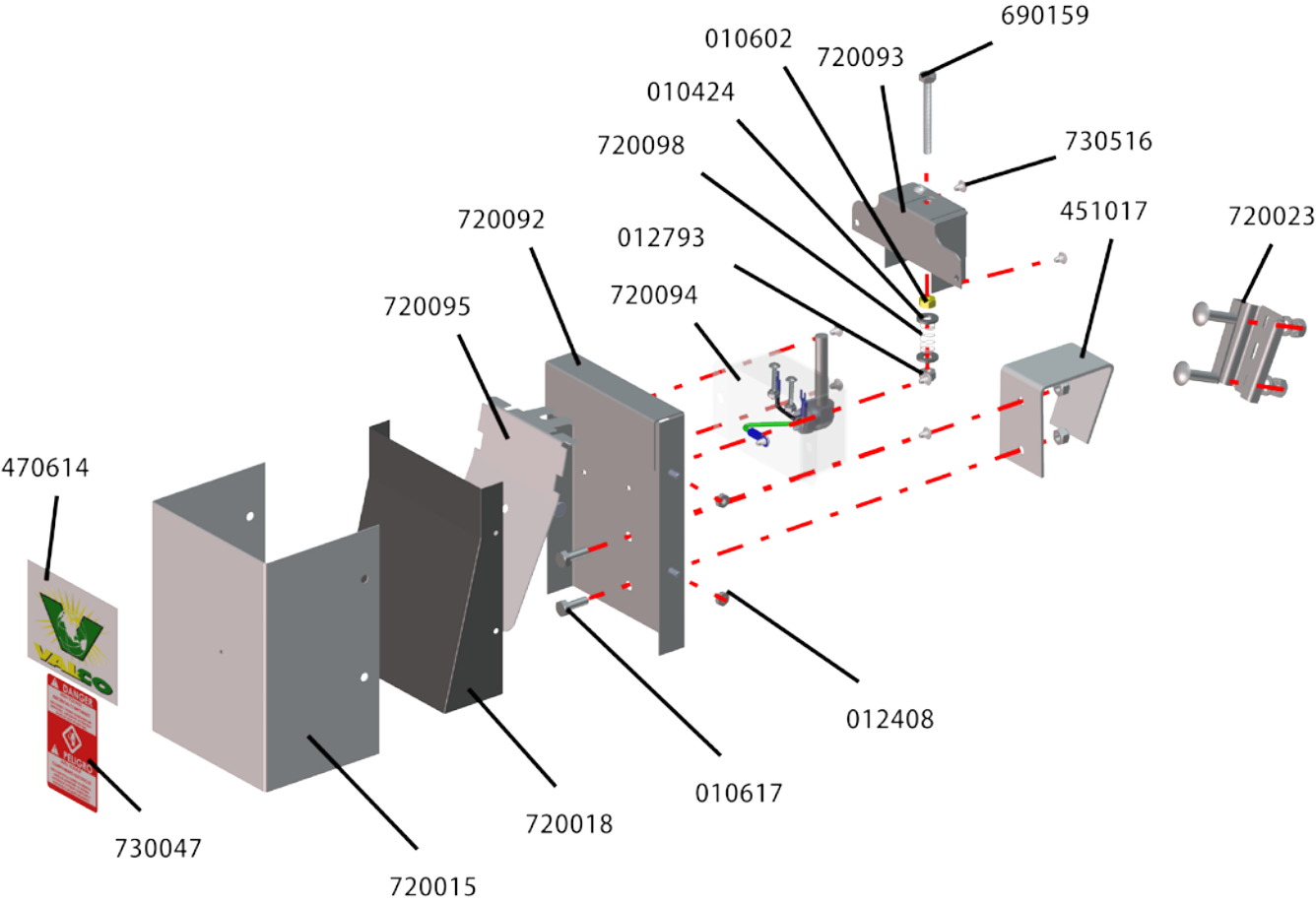
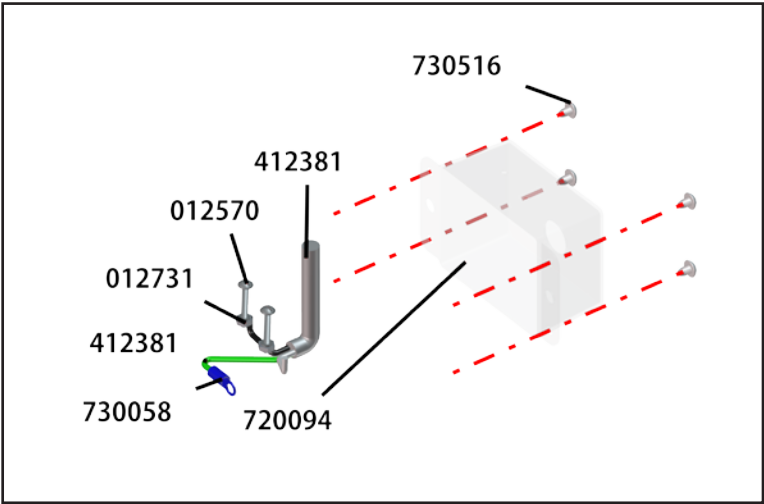
## Hopper Parts List

| PART #                                             | DESCRIPTION                       | QTY 451315 | QTY 451320 |
|----------------------------------------------------|-----------------------------------|------------|------------|
| <b>451315 100 LB HOPPER / 451320 200 LB HOPPER</b> |                                   |            |            |
| 451309                                             | 100 LB HOPPER PANEL               | 4          | -          |
| 451300                                             | 200 LB HOPPER PANEL               | -          | 4          |
| 450956                                             | HOPPER CROSS BRACE                | 1          | 1          |
| 451301                                             | HOPPER BOTTOM BRACE               | 2          | 2          |
| 451312                                             | HARDWARE BAG, 100 LB HOPPER       | 1          | -          |
| 451313                                             | HARDWARE BAG, 200 LB HOPPER       | -          | 1          |
| 010424                                             | WASHER, FLAT, 1/4" X 9/16" ZP     | 2          | 2          |
| 010615                                             | 1/4-20 X 1/2" HEX HEAD BOLT ZP    | 33         | 37         |
| 010643                                             | BOLT, HEX HEAD, 5/16-18 X 3/4" ZP | 6          | 6          |
| 012789                                             | 5/16-18 NYLOCK NUT                | 6          | 6          |
| 450780                                             | CABLE RETAINER                    | 2          | 2          |
| 451016                                             | SUPPORT, FEED HOPPER DROP TUBE    | 1          | 1          |
| 451316                                             | CLEVIS PIN, 1/4" X 9/16" ZP       | 2          | 2          |
| 451317                                             | COTTER PIN, 5/64" X 1.25" LG ZP   | 2          | 2          |
| 690003                                             | NUT, KEP 1/4-20 ZP                | 35         | 39         |
| 690340                                             | SCREW, 1/4-20 X 1/2 SHCS ZP       | 1          | 1          |
| 735431                                             | 4" SS DOWNSPOUT CLAMP             | 2          | 2          |

***450804 Cover for 100 lb. & 200 lb. available***

***451022 Extension for 200 lb. hopper available to increase capacity***

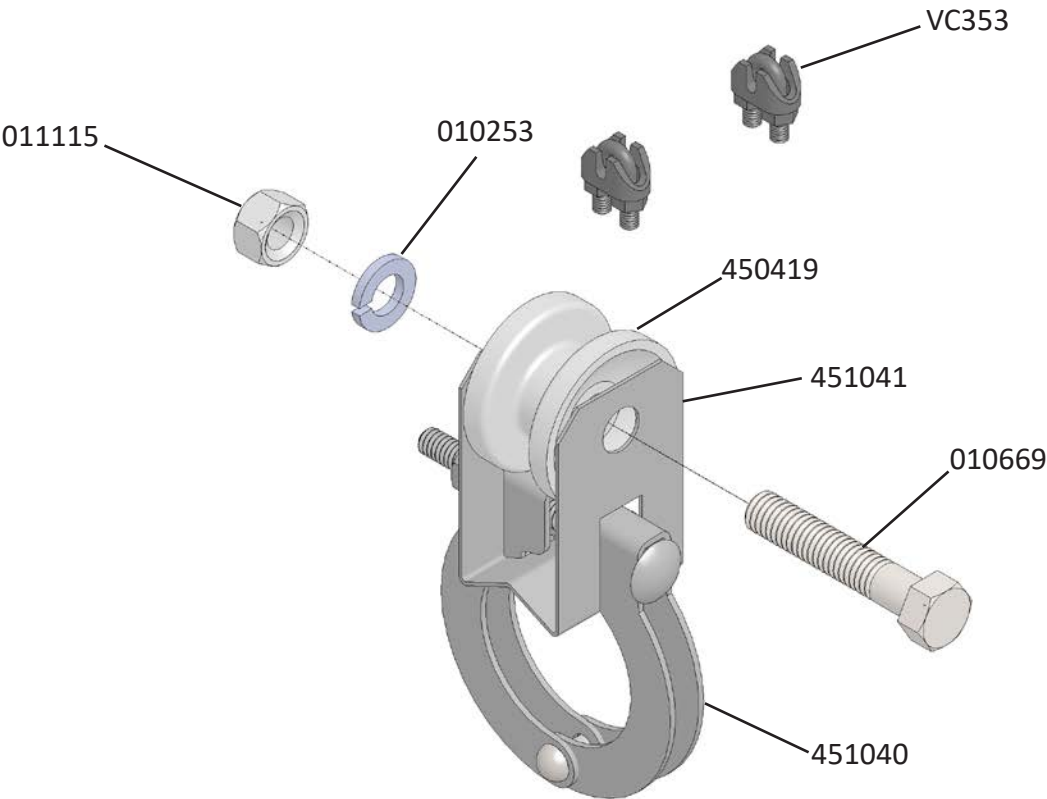
Hopper Level Switch Control Exploded view



## Hopper Level Switch Control Parts List

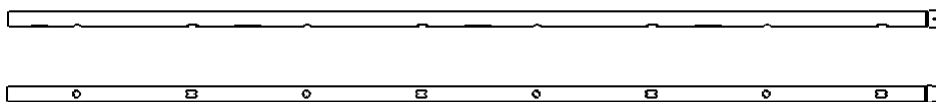
| PART #                                    | DESCRIPTION                                   | QTY |
|-------------------------------------------|-----------------------------------------------|-----|
| <b>720097 HOPPER LEVEL SWITCH CONTROL</b> |                                               |     |
| 010424                                    | 1/4" SAE FLAT WASHER                          | 2   |
| 010602                                    | NUT, HEX 1/4"-20 A FINISHED ZP                | 1   |
| 010617                                    | 1/4" X 3/4" HEX HEAD BOLT                     | 2   |
| 012408                                    | #10-24 HEX KEP LOCKNUT                        | 4   |
| 012570                                    | #6-32 X 1" RD HD MACHINE SCREW - SLOTTED      | 2   |
| 012731                                    | #6-32 MACHINE NUT                             | 2   |
| 012732                                    | #6 LOCKWASHER                                 | 2   |
| 012793                                    | 1/4-20 NYLOCK NUT                             | 4   |
| 412381                                    | 14/3 BLACK SJTOW WIRE                         | 8   |
| 451017                                    | HANGER BRACKET, 67 DEG                        | 1   |
| 470614                                    | 4" X 3" VAL-CO DECAL                          | 1   |
| 690159                                    | SCREW, 1/4-20 X 2-1/4 HHTB ZP                 | 1   |
| 720015                                    | SWITCH SHIELD                                 | 1   |
| 720018                                    | DIAPHRAM - 7" X 6.5"                          | 1   |
| 720020                                    | HANGER BRACKET, 90 DEG                        | 1   |
| 720023                                    | MOUNTING BRACKET                              | 1   |
| 720092                                    | BODY ASSY, ADJ SWITCH                         | 1   |
| 720093                                    | BRACKET, TENSIONER                            | 1   |
| 720094                                    | ELECTRIC BOX, ADJ SWITCH                      | 1   |
| 720095                                    | SWITCH PLATE, ADJ SWITCH                      | 1   |
| 720096                                    | COVER, TENSIONER                              | 1   |
| 720098                                    | SPRING, .028 X .437 X .75                     | 1   |
| 720099                                    | DECAL, SENSITIVITY ADJUSTMENT                 | 1   |
| 720100                                    | STRAIN RELIEF, 90 DEG FOR 14/3                | 1   |
| 730047                                    | HIGH VOLTAGE WARNING LABEL                    | 1   |
| 730058                                    | #16-14 RING TERMINAL                          | 1   |
| 730516                                    | SCREW, 10-32 X 1/4 PPH TRS ZP                 | 8   |
| 730521                                    | TERMINAL, SPADE, 16-14AWG, #6 BLUE            | 2   |
| 730989                                    | MICRO SWITCH, SPDT 20A, 250VAC SCREW TERMINAL | 1   |

Anti-Roost Insulator Bracket Assembly (451042)



| PART #                                       | DESCRIPTION                       | QTY |
|----------------------------------------------|-----------------------------------|-----|
| 451042 ANTI-ROOST INSULATOR BRACKET ASSEMBLY |                                   |     |
| 010253                                       | 3/8" SPLIT LOCK WASHER            | 1   |
| 010669                                       | 3/8" X 2" HEX BOLT                | 1   |
| 011115                                       | 3/8-16 HEX NUT                    | 1   |
| 450015                                       | INSULATOR BRACKET                 | 1   |
| 450419                                       | WIRE PULLEY INSULATOR             | 1   |
| 451040                                       | FEEDER TUBE CLAMP                 | 1   |
| 451041                                       | ANTI-ROOST INSULATOR BRACKET      | 1   |
| VC353                                        | CLAMP, 1/16 CABLE, WIRE ROPE CLIP | 2   |

## Feed Tubes - Smooth Tube Parts List



| PART #                                   | DESCRIPTION                                      |
|------------------------------------------|--------------------------------------------------|
| <b>FEED TUBES - SMOOTH TUBES</b>         |                                                  |
| 450224                                   | 9' TUBE - 1 HOLE                                 |
| 450081                                   | 9' TUBE - 2 HOLES                                |
| 451033                                   | 9' TUBE - 3 HOLES                                |
| 450145                                   | 9' TUBE - 4 HOLES                                |
| 455076                                   | 9' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES  |
| 451047                                   | 10' TUBE - 0 HOLES                               |
| 450082                                   | 10' TUBE - 2 HOLES                               |
| 450083                                   | 10' TUBE - 3 HOLES                               |
| 450084                                   | 10' TUBE - 4 HOLES                               |
| 450072                                   | 10' TUBE - 3 HOLES + 3 CENTERED BEST START HOLES |
| 451032                                   | 10' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES |
| 450099                                   | 10' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES |
| 450945                                   | 12' TUBE - 4 HOLES                               |
| 450085                                   | 12' TUBE - 5 HOLES                               |
| 450064                                   | 12' TUBE - 5 HOLES + 5 CENTERED BEST START HOLES |
| <b>FEED TUBES - CONTROL SMOOTH TUBES</b> |                                                  |
| 455267                                   | 9' TUBE - 1 HOLE                                 |
| 455269                                   | 9' TUBE - 2 HOLES                                |
| 455271                                   | 9' TUBE - 3 HOLES                                |
| 455202                                   | 9' TUBE - 4 HOLES                                |
| 455273                                   | 9' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES  |
| 455275                                   | 10' TUBE - 2 HOLES                               |
| 455277                                   | 10' TUBE - 3 HOLES                               |
| 455205                                   | 10' TUBE - 4 HOLES                               |
| 455279                                   | 10' TUBE - 3 HOLES + 3 CENTERED BEST START HOLES |
| 455281                                   | 10' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES |
| 455283                                   | 10' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES |
| 455285                                   | 12' TUBE - 4 HOLES                               |
| 455287                                   | 12' TUBE - 5 HOLES                               |
| 455289                                   | 12' TUBE - 5 HOLES + 5 CENTERED BEST START HOLES |

## Feed Tubes - Ribbed Tube Parts List



| PART #                                   | DESCRIPTION                                      |
|------------------------------------------|--------------------------------------------------|
| <b>FEED TUBES - RIBBED TUBES</b>         |                                                  |
| 455626                                   | 9' TUBE - 3 HOLES                                |
| 450920                                   | 9' TUBE - 4 HOLES                                |
| 455627                                   | 9' TUBE - 3 HOLES + 3 CENTERED BEST START HOLES  |
| 451031                                   | 9' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES  |
| 450921                                   | 9' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES  |
| 451000                                   | 10' TUBE - 0 HOLES                               |
| 450908                                   | 10' TUBE - 2 HOLES                               |
| 450909                                   | 10' TUBE - 3 HOLES                               |
| 450910                                   | 10' TUBE - 4 HOLES                               |
| 450911                                   | 10' TUBE - 3 HOLES + 3 CENTERED BEST START HOLES |
| 455625                                   | 10' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES |
| 450913                                   | 10' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES |
| 451005                                   | 12' TUBE - 3 HOLES                               |
| 450924                                   | 12' TUBE - 4 HOLES                               |
| 450925                                   | 12' TUBE - 5 HOLES                               |
| 450926                                   | 12' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES |
| 450928                                   | 12' TUBE - 5 HOLES + 5 CENTERED BEST START HOLES |
| <b>FEED TUBES - CONTROL RIBBED TUBES</b> |                                                  |
| 455628                                   | 9' TUBE - 3 HOLES                                |
| 455219                                   | 9' TUBE - 4 HOLES                                |
| 455629                                   | 9' TUBE - 3 HOLES + 3 CENTERED BEST START HOLES  |
| 455630                                   | 9' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES  |
| 455223                                   | 10' TUBE - 4 HOLES                               |
| 455624                                   | 10' TUBE - 4 HOLES + 2 CENTERED BEST START HOLES |
| 455248                                   | 10' TUBE - 4 HOLES + 4 CENTERED BEST START HOLES |

## Auger - Parts List



| PART #     | DESCRIPTION                   |
|------------|-------------------------------|
| AUGER      |                               |
| 450450-205 | 205' ROLL - 1.438" O.D. AUGER |
| 450450-225 | 225' ROLL - 1.438" O.D. AUGER |
| 450450-245 | 245' ROLL - 1.438" O.D. AUGER |
| 450450-265 | 265' ROLL - 1.438" O.D. AUGER |
| 450450-285 | 285' ROLL - 1.438" O.D. AUGER |
| 450450-305 | 305' ROLL - 1.438" O.D. AUGER |
| 450450-325 | 325' ROLL - 1.438" O.D. AUGER |
| 450450-345 | 345' ROLL - 1.438" O.D. AUGER |
| 450450-365 | 365' ROLL - 1.438" O.D. AUGER |
| 450450-385 | 385' ROLL - 1.438" O.D. AUGER |
| 450450-405 | 405' ROLL - 1.438" O.D. AUGER |
| 450450-425 | 425' ROLL - 1.438" O.D. AUGER |
| 450450-445 | 445' ROLL - 1.438" O.D. AUGER |
| 450450-465 | 465' ROLL - 1.438" O.D. AUGER |
| 450450-485 | 485' ROLL - 1.438" O.D. AUGER |
| 450450-505 | 505' ROLL - 1.438" O.D. AUGER |