



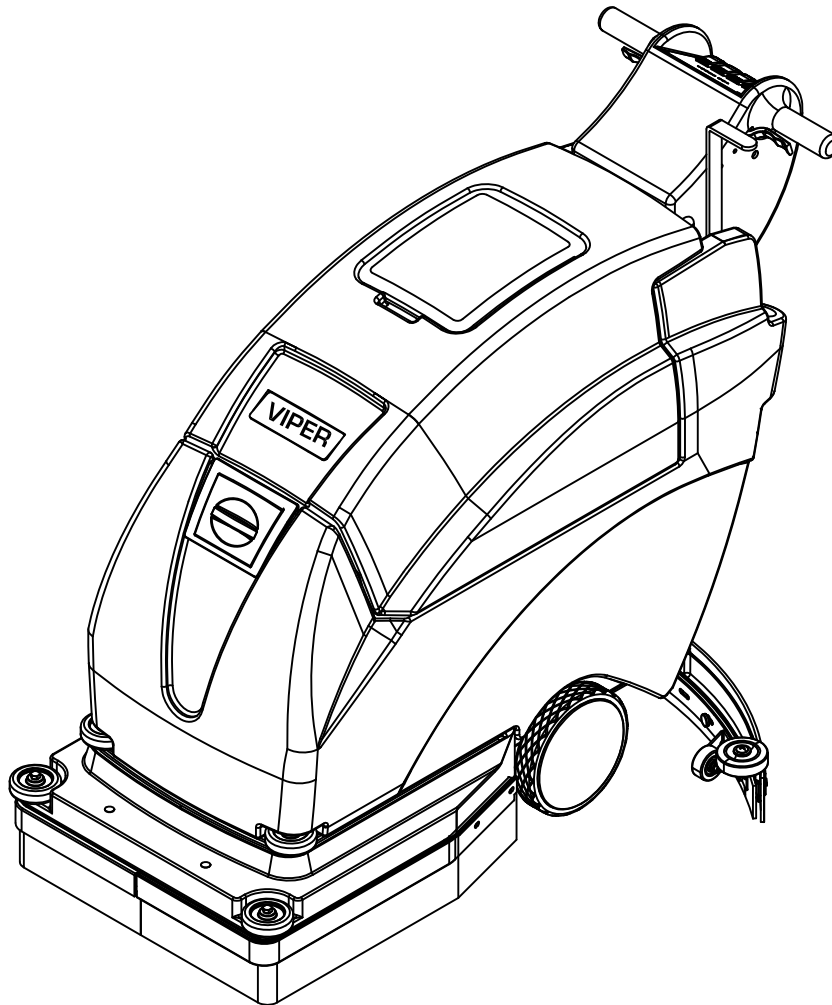
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MODEL #

FANG 20 & 20T

SERIAL #

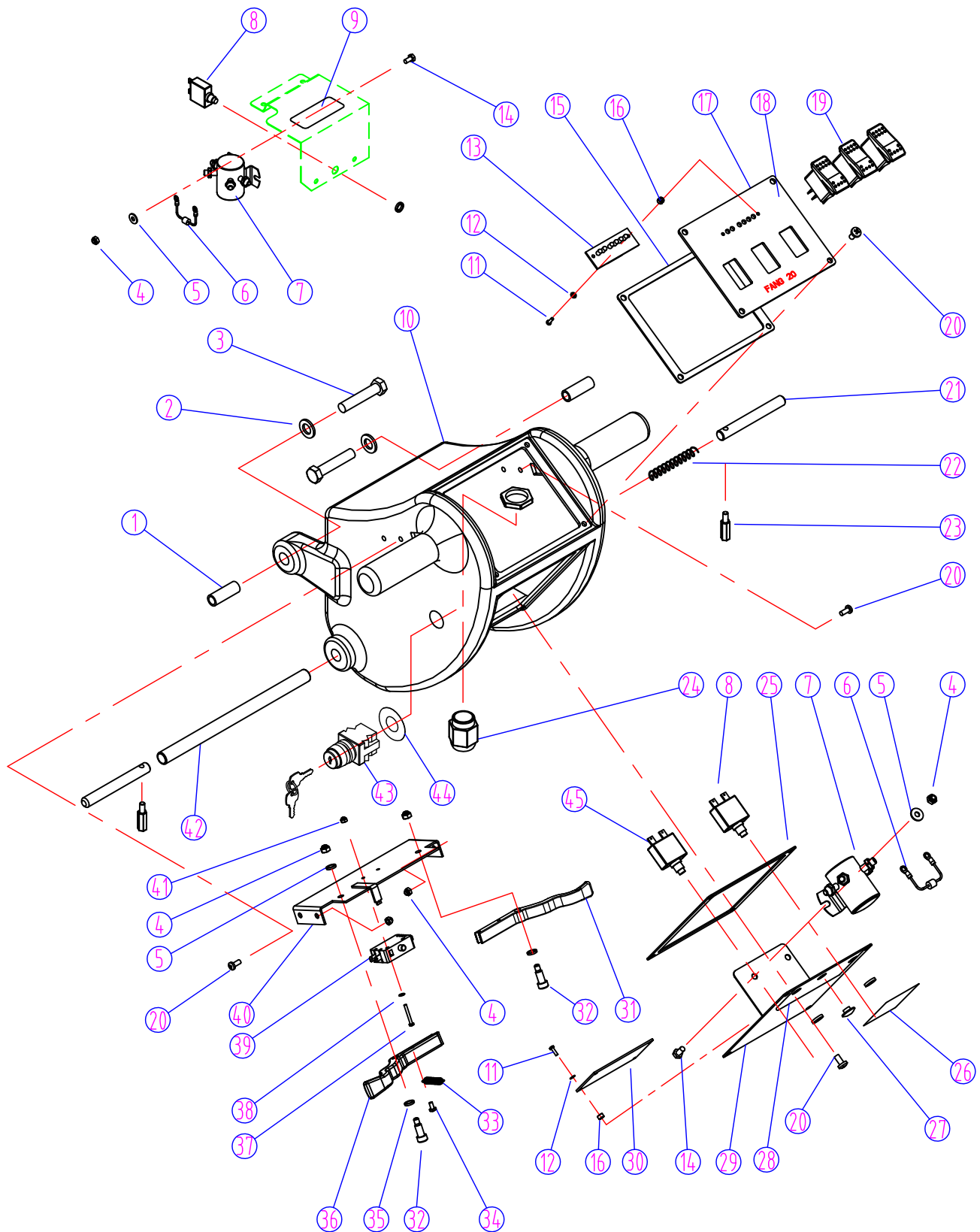
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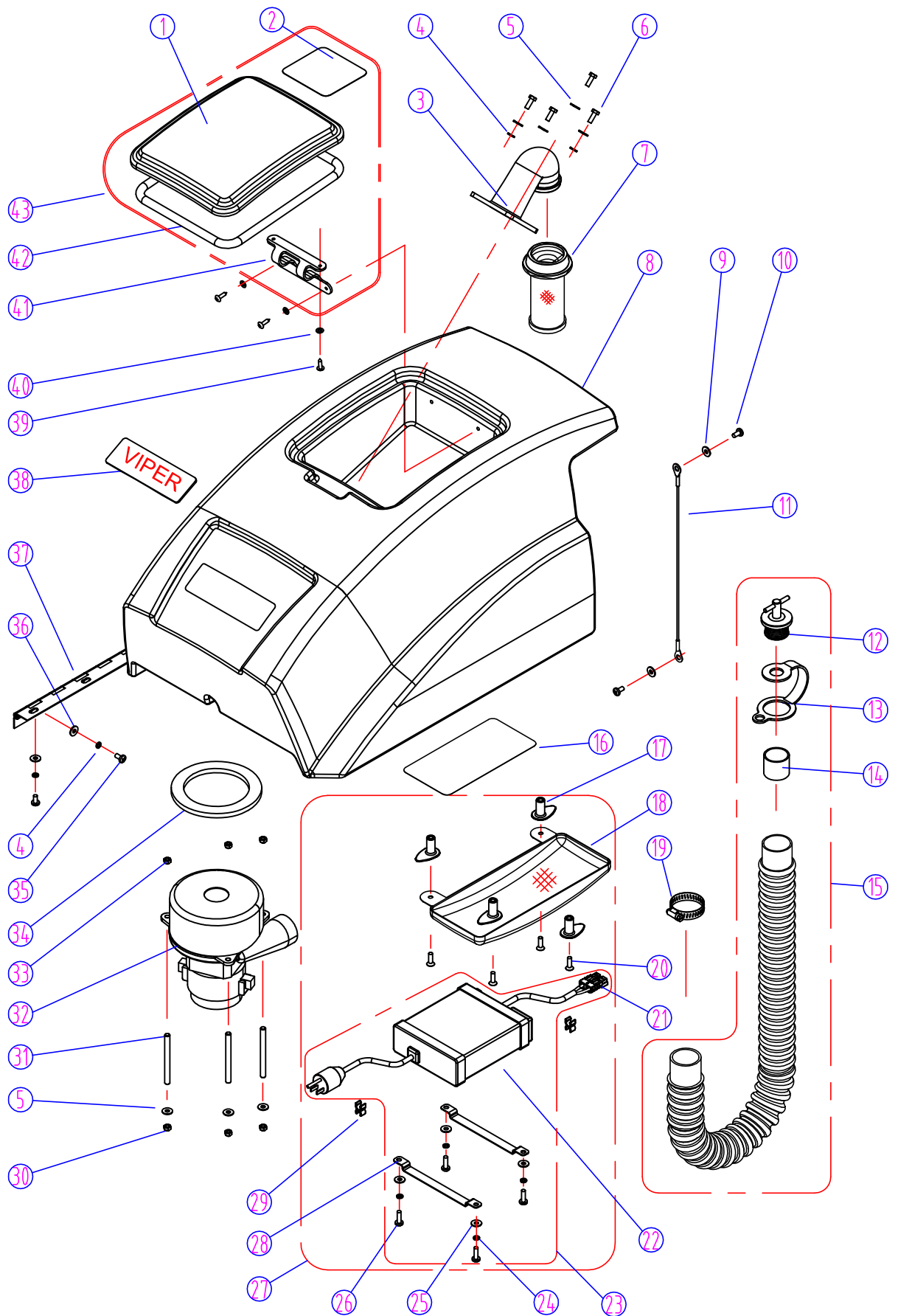
FANG 20 - CONTROL HOUSING



## FANG20 - CONTROL HOUSING

| DIA NO | PART NUMBER | DESCRIPTION                    | NO REQ'D |
|--------|-------------|--------------------------------|----------|
| 1      | VF81713     | BUSHING                        | 2        |
| 2      | VF14122     | WASHER,PLAIN,M10XM20X2         | 2        |
| 3      | VF14121     | SCREW,M10X65                   | 2        |
| 4      | VF13502     | NUT,LOCK,M6                    | 10       |
| 5      | GT13032     | WASHER,PLAIN,M6                | 2        |
| 6      | VF81781     | DIODE,400V                     | 3        |
| 7      | VF81726A    | SOLENOID,24V                   | 2        |
| 8      | VF81734     | BREAKER,CIRCUIT,35 AMP         | 2        |
| 9      | VF83149     | LABEL,CIRCUIT BREAKER          | 1        |
| 10     | VF82108     | HOUSING,CONTROL                | 1        |
| 11     | VF14078     | SCREW,M3X10                    | 6        |
| 12     | VA50477     | WASHER,PLAIN,M3XM10X1          | 6        |
| 13     | VF81718     | LIGHTS,BATTERY CAPACITY        | 1        |
| 14     | VF13495     | SCREW,M6X16                    | 4        |
| 15     | VF82313     | GASKET                         | 1        |
| 16     | VF81719     | SPACER                         | 6        |
| 17     | VF82102A    | PANEL,SWITCH                   | 1        |
| 18     | VF82103A    | LABEL,SWITCH                   | 1        |
| 19     | VF81721     | SWITCH,LIGHTED ROCKER          | 3        |
| 20     | VF14200     | SCREW,M6X16                    | 12       |
| 21     | VF81709     | PIN,HANDLE LOCK                | 2        |
| 22     | VF81716     | SPRING                         | 1        |
| 23     | VF81710     | PIN,HANDLE ADJUSTMENT          | 2        |
| 24     | VF81744A    | STRAIN RELIEF,CORD             | 1        |
| 25     | VF82312     | GASKET                         | 1        |
| 26     | VF82085     | SERIAL TAG                     | 1        |
| 27     | GV40239     | COVER                          | 1        |
| 28     | VF83148     | LABEL,CIRCUIT BREAKER          | 1        |
| 29     | VF82303A    | PANEL,CONTROL HOUSING          | 1        |
| 30     | VF81703     | BATTERY CAPACITY,CONTROL BOARD | 1        |
| 31     | VF82107BD   | HANDLE,RIGHT                   | 1        |
| 32     | VF81711     | BOLT,SHOULDER M8XM15XM6        | 2        |
| 33     | VF81712     | SPRING                         | 1        |
| 34     | VF13491     | SCREW,M4X12                    | 1        |
| 35     | VF13514A    | WASHER,PLAIN,M8XM16.5X1        | 2        |
| 36     | VF82106BD   | HANDLE,LEFT                    | 1        |
| 37     | VF14212     | SCREW,M3X25                    | 2        |
| 38     | VF13511     | WASHER,TEETH,M3                | 2        |
| 39     | VF44203     | SWITCH ASSEMBLY                | 1        |
| 40     | VF83141     | BRACKET,SWITCH                 | 1        |
| 41     | VV13652     | NUT,LOCK,M3                    | 2        |
| 42     | VF81714     | TUBE,HANDLE,ADJUSTMENT         | 1        |
| 43     | VF82153     | SWITCH,KEY                     | 1        |
| 44     | VF82160     | LABEL,KEY SWITCH               | 1        |
| 45     | VF99012     | BREAKER,CIRCUIT,12 AMP         | 1        |

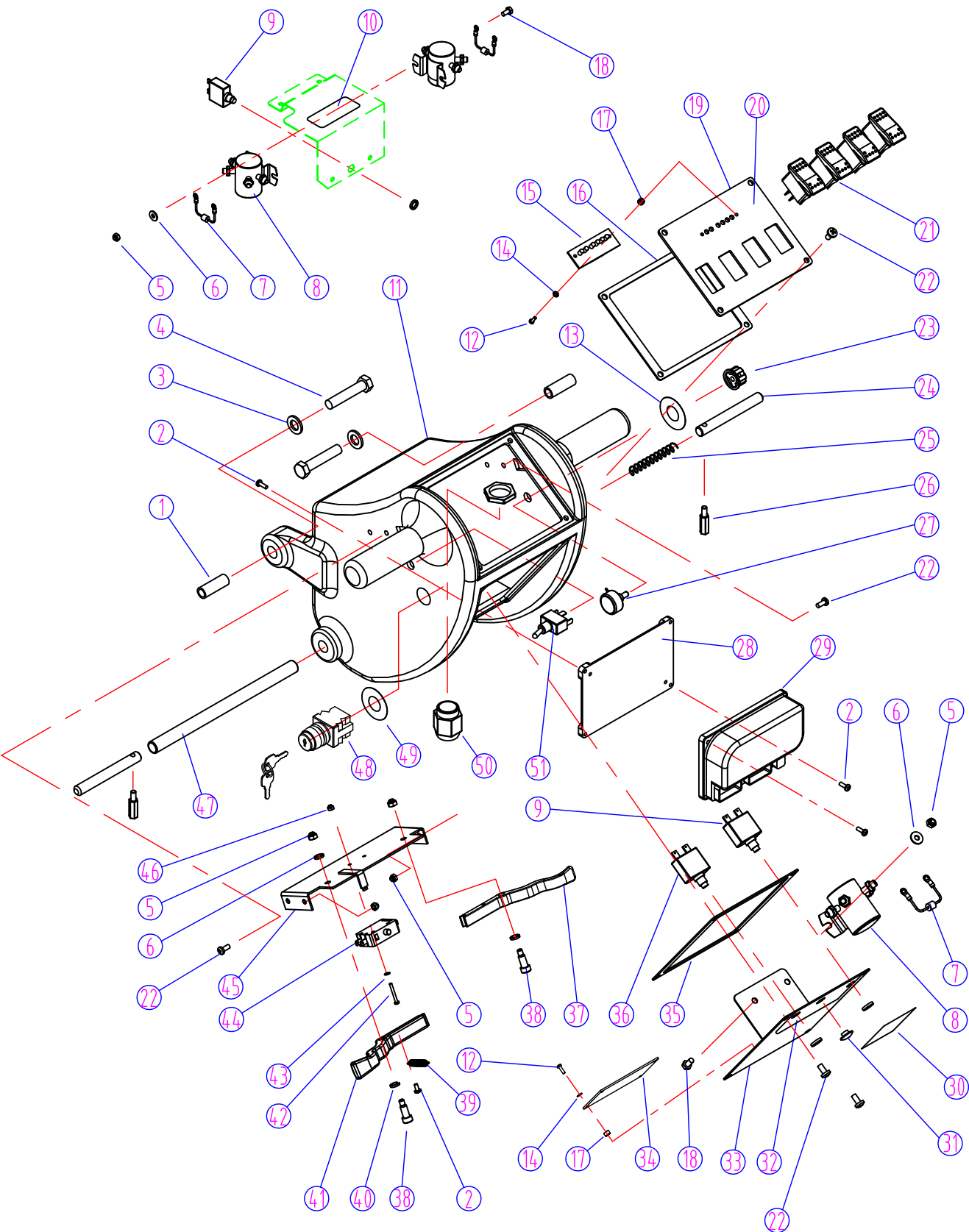
FANG 20 & FANG 20T - RECOVERY TANK ASSEMBLY



## FANG 20 & 20T - RECOVERY TANK ASSEMBLY

| DIA NO | PART NUMBER | DESCRIPTION                      | NO REQ'D |
|--------|-------------|----------------------------------|----------|
| 1      | VF82010     | CLEAR COVER, RECOVERY TANK       | 1        |
| 2      | VF82083     | DECAL, BATTERY WARNING           | 1        |
| 3      | VF82009     | ELBOW ADAPTOR, FLOAT             | 1        |
| 4      | VV13607     | WASHER, LOCK, M6                 | 13       |
| 5      | VF13533     | WASHER, PLAIN, M6 X M16 X 2      | 7        |
| 6      | VF14233     | SCREW, M6 X 20                   | 4        |
| 7      | VF81504     | FLOAT                            | 1        |
| 8      | VF82002     | RECOVERY TANK                    | 1        |
| 9      | VF13528     | WASHER, TOOTH, LOCK, M6          | 2        |
| 10     | VF13495     | SCREW, M6 X 16                   | 2        |
| 11     | VF82028     | CABLE                            | 1        |
| 12     | VF81509     | PLUG, EXPANSION                  | 1        |
| 13     | VF81510-9   | STRAP, DRAINHOSE                 | 1        |
| 14     | VF81510-2   | SLEEVE, DRAINHOSE                | 1        |
| 15     | VF81510A    | DRAIN HOSE ASSEMBLY              | 1        |
| 16     | VF82115     | DECAL, BATTERY INSTALLATION      | 1        |
| 17     | VF82318     | HOOK, CABLE                      | 4        |
| 18     | VF82326     | MESH COVER, CABLE                | 1        |
| 19     | VV10113     | CLAMP, 2"                        | 2        |
| 20     | VF14225A    | SCREW, M6 X 40                   | 4        |
| 21     | VF81723     | CONNECTOR                        | 1        |
| 22     | VF82331     | ON BOARD CHARGER, 9AMP, 24V      | 1        |
| 23     | VF82332A    | KIT, CHARGER REPLACEMENT         | 1        |
| 24     | VV13601     | WASHER, LOCK, M5                 | 4        |
| 25     | VF13532     | WASHER, PLAIN, M5 X M11 X 2      | 4        |
| 26     | VV20501     | SCREW, M5 X 14                   | 4        |
| 27     | VF82331A    | KIT, ON BOARD CHARGER            | 1        |
| 28     | VF82332     | CLAMP, CHARGER                   | 2        |
| 29     | VF82320     | CLAMP, CABLE                     | 2        |
| 30     | VF13502     | NUT, LOCK, M6                    | 3        |
| 31     | VF82310     | STUD                             | 3        |
| 32     | ZD53000     | MOTOR, VACUUM, 2 STAGE, 24VDC    | 1        |
| 33     | VF13521     | NUT, M6                          | 3        |
| 34     | VF81503     | SEAT                             | 1        |
| 35     | VF14200     | SCREW, M6 X 16                   | 9        |
| 36     | GT13032     | WASHER, PLAIN, M6 X M16 X 1.5    | 9        |
| 37     | VF82011     | HINGE, RECOVERY TANK             | 1        |
| 38     | VF82082     | LOGO                             | 1        |
| 39     | VA13477     | SCREW, SELF-TAPPING, ST, M4 X 16 | 4        |
| 40     | VV13664     | WASHER, PLAIN, M4 X M12 X 1      | 4        |
| 41     | VF82010A    | RUBBER HINGE                     | 1        |
| 42     | VF82010B    | GASKET                           | 1        |
| 43     | VF82010X    | KIT, LID                         | 1        |

FANG 20T - CONTROL HOUSING

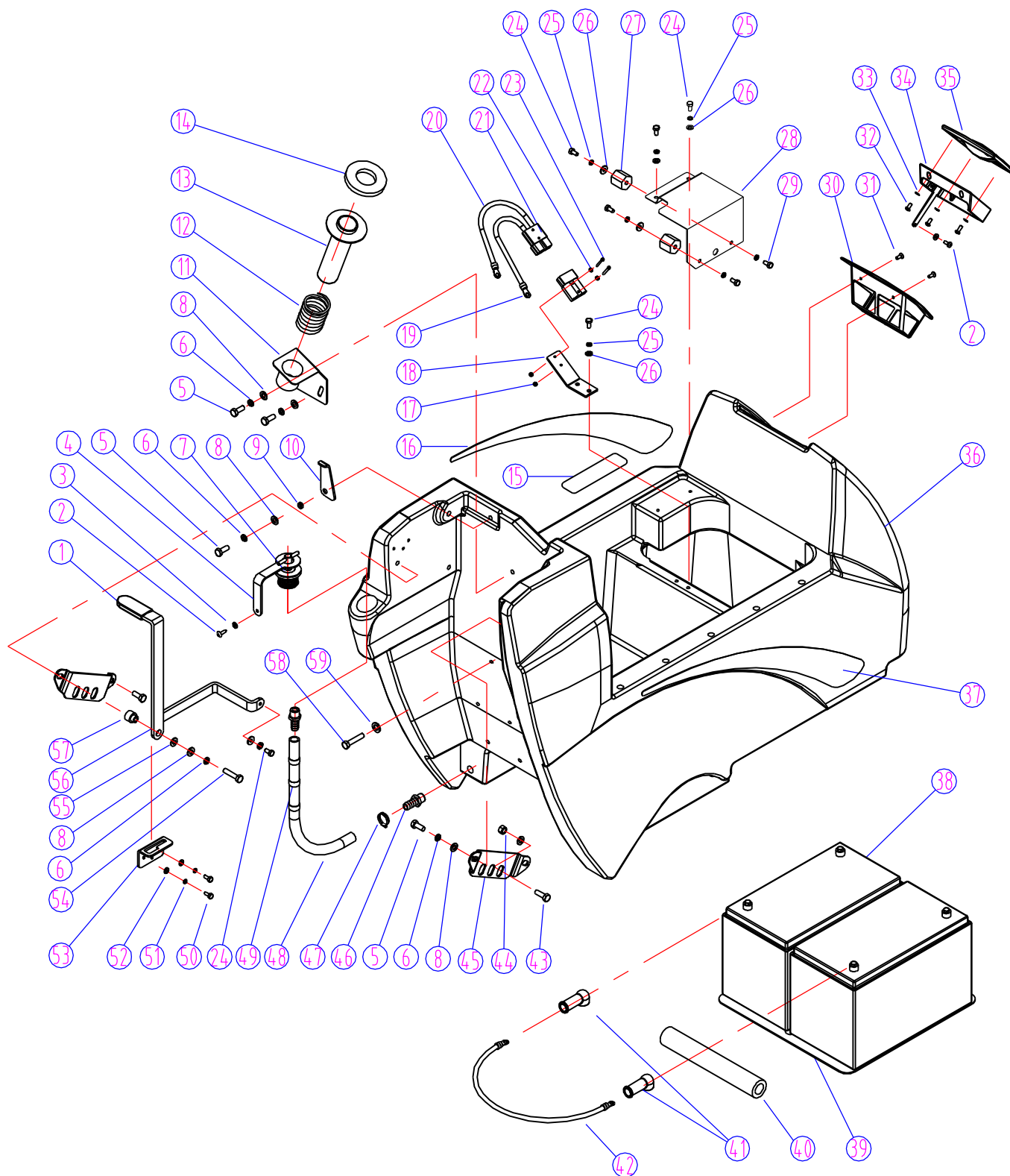


## FANG 20T - CONTROL HOUSING

| DIA NO | PART NUMBER | DESCRIPTION                     | NO REQ'D |
|--------|-------------|---------------------------------|----------|
| 1      | VF81713     | BUSHING                         | 2        |
| 2      | VF13491     | SCREW, M4 X 12                  | 7        |
| 3      | VF14122     | WASHER, PLAIN, M10 X M20 X 2    | 2        |
| 4      | VF14121     | SCREW, M10 X 65                 | 2        |
| 5      | VF13502     | NUT, LOCK, M6                   | 10       |
| 6      | GT13032     | WASHER, PLAIN, M6               | 6        |
| 7      | VF81781     | DIODE, 400V                     | 3        |
| 8      | VF81726A    | SOLENOID, 24V                   | 3        |
| 9      | VF81734     | BREAKER, CIRCUIT, 35 AMP        | 2        |
| 10     | VF83149     | LABEL, CIRCUIT BREAKER          | 1        |
| 11     | VF82301     | HOUSING, CONTROL                | 1        |
| 12     | VF14078     | SCREW, M3 X 10                  | 6        |
| 13     | VF82305     | LABEL, SPEED CONTROL            | 1        |
| 14     | VA50477     | WASHER, PLAIN, M3 X M10 X 1     | 6        |
| 15     | VF81718     | LIGHTS, BATTERY CAPACITY        | 1        |
| 16     | VF82313     | GASKET                          | 1        |
| 17     | VF81719     | SPACER                          | 6        |
| 18     | VF13495     | SCREW, M6 X 16                  | 4        |
| 19     | VF82302A    | PANEL, SWITCH                   | 1        |
| 20     | VF82304A    | LABEL, SWITCH                   | 1        |
| 21     | VF81721     | SWITCH, LIGHTED ROCKER          | 4        |
| 22     | VF14200     | SCREW, M6 X 16                  | 12       |
| 23     | VF81730     | KNOB, SPEED CONTROL             | 1        |
| 24     | VF81709     | PIN, HANDLE LOCK                | 2        |
| 25     | VF81716     | SPRING                          | 1        |
| 26     | VF81710     | PIN, HANDLE ADJUSTMENT          | 2        |
| 27     | VF81729     | POTENTIOMETER, 4.7K             | 1        |
| 28     | VF82316     | PLATE                           | 1        |
| 29     | VF81739-20T | SPEED CONTROL BOARD             | 1        |
| 30     | VF82315     | SERIAL TAG                      | 1        |
| 31     | GV40239     | COVER                           | 1        |
| 32     | VF83148     | LABEL, CIRCUIT BREAKER          | 1        |
| 33     | VF82303A    | PANEL, CONTROL HOUSING          | 1        |
| 34     | VF81703     | BATTERY CAPACITY, CONTROL BOARD | 1        |
| 35     | VF82312     | GASKET                          | 1        |
| 36     | VF99012     | BREAKER, CIRCUIT, 12 AMP        | 1        |
| 37     | VF82107BD   | HANDLE, RIGHT                   | 1        |
| 38     | VF81711     | BOLT, SHOULDER, M8 X M15 X M6   | 2        |
| 39     | VF81712     | SPRING                          | 1        |
| 40     | VF13514A    | WASHER, PLAIN, M8 X M16.5 X 1   | 2        |
| 41     | VF82106BD   | HANDLE, LEFT                    | 1        |
| 42     | VF14212     | SCREW, M3 X 25                  | 2        |
| 43     | VF13511     | WASHER, TOOTH, M3               | 2        |
| 44     | VF44203     | SWITCH ASSEMBLY                 | 1        |
| 45     | VF83141     | BRACKET, SWITCH                 | 1        |
| 46     | VV13652     | NUT, LOCK, M3                   | 2        |
| 47     | VF81714     | TUBE, HANDLE,ADJUSTMENT         | 1        |
| 48     | VF82153     | SWITCH, KEY                     | 1        |
| 49     | VF82160     | LABEL,KEY SWITCH                | 1        |
| 50     | VF81744A    | STRAIN RELIEF, CORD             | 1        |
| 51     | VF81722     | SWITCH, TOGGLE                  | 1        |

## PARTS LIST

### FANG 20 & FANG 20T - SOLUTION TANK ASSEMBLY





## FANG20 & 20T - SOLUTION TANK ASSEMBLY

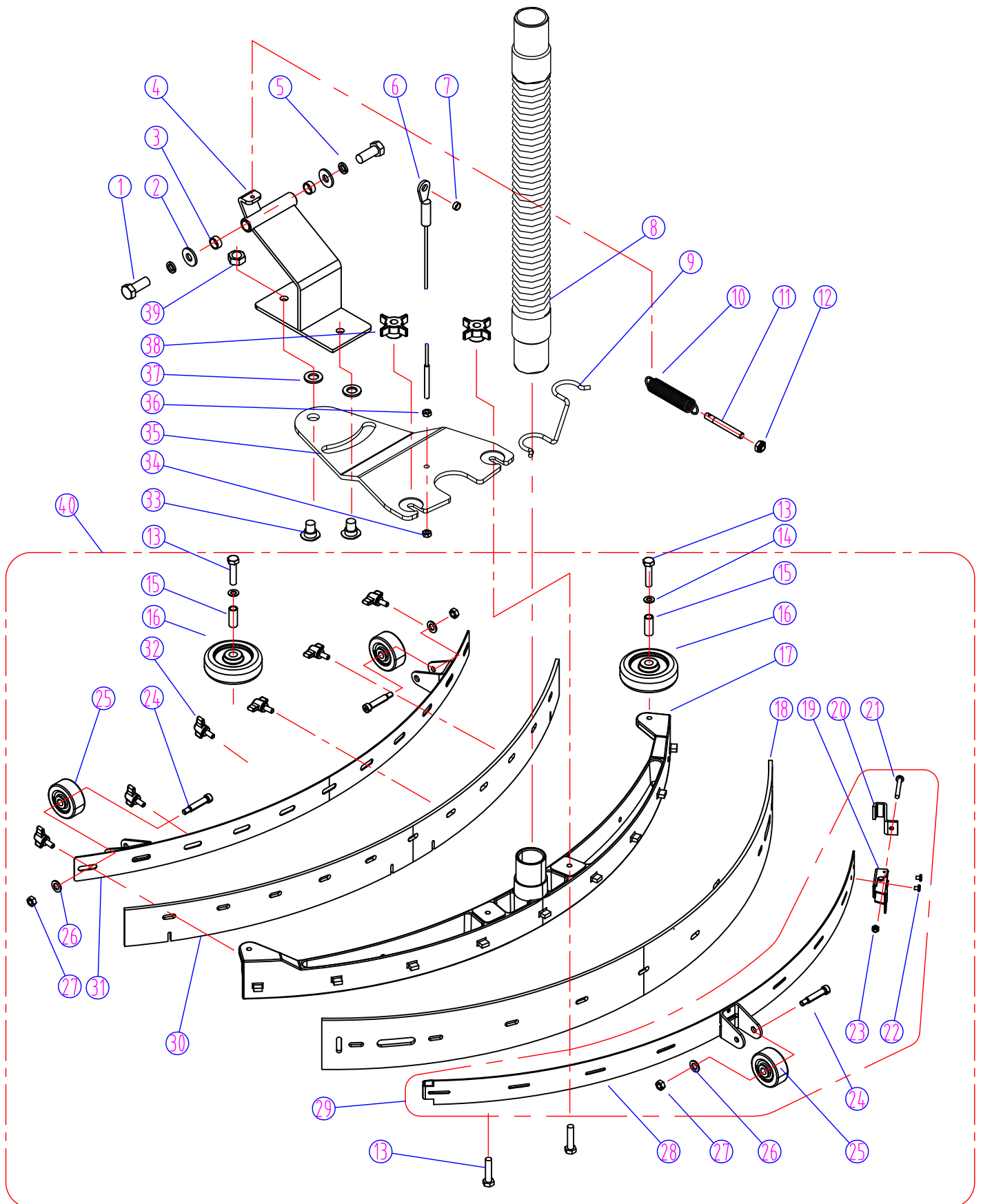
| DIA NO | PART NUMBER | DESCRIPTION                      | NO REQ'D |
|--------|-------------|----------------------------------|----------|
| 1      | VF81405BD   | GRIP, HANDLE                     | 1        |
| 2      | VA13477     | SCREW, SELF-TAPPING, ST, M4 X 16 | 3        |
| 3      | VV13664     | WASHER, PLAIN, M4 X M12 X 1      | 1        |
| 4      | VF81507     | STRAP, PLUG, REAR FILL           | 1        |
| 5      | VV13604     | SCREW, M8 X 20                   | 6        |
| 6      | VF13519     | WASHER, LOCK, M8                 | 6        |
| 7      | VF81509     | PLUG, EXPANSION                  | 1        |
| 8      | VF14535     | WASHER, PLAIN, M8 X M20 X 2      | 8        |
| 9      | VF81406     | BUSHING                          | 1        |
| 10     | VF81404     | SUPPORT, RECOVERY TANK           | 1        |
| 11     | VF82029A    | BRACKET, VAC TUBE                | 1        |
| 12     | VF82032     | SPRING                           | 1        |
| 13     | VF82030     | ADAPTER, TUBE                    | 1        |
| 14     | VF82031A    | GASKET, TUBE ADAPTER             | 1        |
| 15     | VF82123     | DECAL                            | 1        |
| 16     | VF82070     | LABEL, LEFT                      | 1        |
| 17     | VV13652     | NUT, LOCK, M3                    | 2        |
| 18     | VF82114     | BRACKET, CHARGE PLUG             | 1        |
| 19     | VF82402     | WIRE, #6 X 600                   | 1        |
| 20     | VF82401     | WIRE, #6 X 600                   | 1        |
| 21     | VF81723     | CONNECTOR                        | 2        |
| 22     | VF13511     | WASHER, TOOTH, M3                | 2        |
| 23     | VF14244     | SCREW, M3 X 20                   | 2        |
| 24     | VF13495     | SCREW, M6 X 16                   | 7        |
| 25     | VV13607     | WASHER, LOCK, M6                 | 9        |
| 26     | GT13032     | WASHER, PLAIN, M6 X M16 X 1.5    | 7        |
| 27     | VF81715     | STANDOFF                         | 2        |
| 28     | VF82067     | BRACKET                          | 1        |
| 29     | VF14232     | SCREW, M6 X 10                   | 2        |
| 30     | VF82078     | SCREEN, FILL                     | 1        |
| 31     | VF13543     | SCREW, SELF-TAPPING, ST, M4 X 16 | 2        |
| 32     | VF13544     | SCREW, SELF-TAPPING, ST, M4 X 10 | 6        |
| 33     | VA13483     | WASHER, PLAIN, M4 X M9 X 0.8     | 7        |
| 34     | VF82081     | PLUG, FILL SCREEN                | 1        |
| 35     | VF82079     | COVER, FILL SCREEN               | 1        |
| 36     | VF82001A    | SOLUTION TANK                    | 1        |
| 37     | VF82071     | LABEL, RIGHT                     | 1        |
| 38     | BAT105I     | BATTERY, 105 A/H, 12V            | 2        |
|        | BAT130I     | BATTERY, 130 A/H, 12V            | 2        |
| 39     | VF82076     | PLATE                            | 1        |
| 40     | VF82072     | SPACER, BATTERY                  | 1        |
| 41     | VF81724     | CAP, BATTERY, BLACK              | 2        |
|        | VF81724R    | CAP, BATTERY, RED                | 2        |
| 42     | VF82403     | CABLE, BATTERY                   | 1        |
| 43     | VF14234     | SCREW, M8 X 16                   | 2        |
| 44     | VF13513     | NUT, M8                          | 2        |
| 45     | VF81408     | PLATE, LOCK                      | 2        |

## FANG20 & 20T - SOLUTION TANK ASSEMBLY

| <b>DIA<br/>NO</b> | <b>PART<br/>NUMBER</b> | <b>DESCRIPTION</b>             | <b>NO<br/>REQ'D</b> |
|-------------------|------------------------|--------------------------------|---------------------|
| 46                | VF81416                | HOSE BARB                      | 2                   |
| 47                | VF82161                | CLAMP (16-25)                  | 1                   |
| 48                | VF82061                | TUBING                         | 1                   |
| 49                | VF82306A               | KIT, LABEL, MARKERS            | 1                   |
| 50                | VF14230                | SCREW, M5 X 15                 | 3                   |
| 51                | VV13601                | WASHER, LOCK, M5               | 3                   |
| 52                | VF13532                | WASHER, PLAIN, M5 X M11 X 2    | 3                   |
| 53                | VF81202                | PLATE, SQUEEGEE, LOCK          | 1                   |
| 54                | VF14235                | SCREW, M8 X 35                 | 1                   |
| 55                | VF48216                | WASHER, LOCK                   | 1                   |
| 56                | VF82050                | HANDLE, SQUEEGEE, LIFT         | 1                   |
| 57                | VF82050A               | BUSHING                        | 1                   |
| 58                | VF14248                | SCREW, M8 X 100                | 1                   |
| 59                | VA13516                | WASHER, PLAIN, M10 X M30 X 1.5 | 1                   |

## PARTS LIST

### FANG 20 & FANG 20T - SQUEEGEE ASSEMBLY

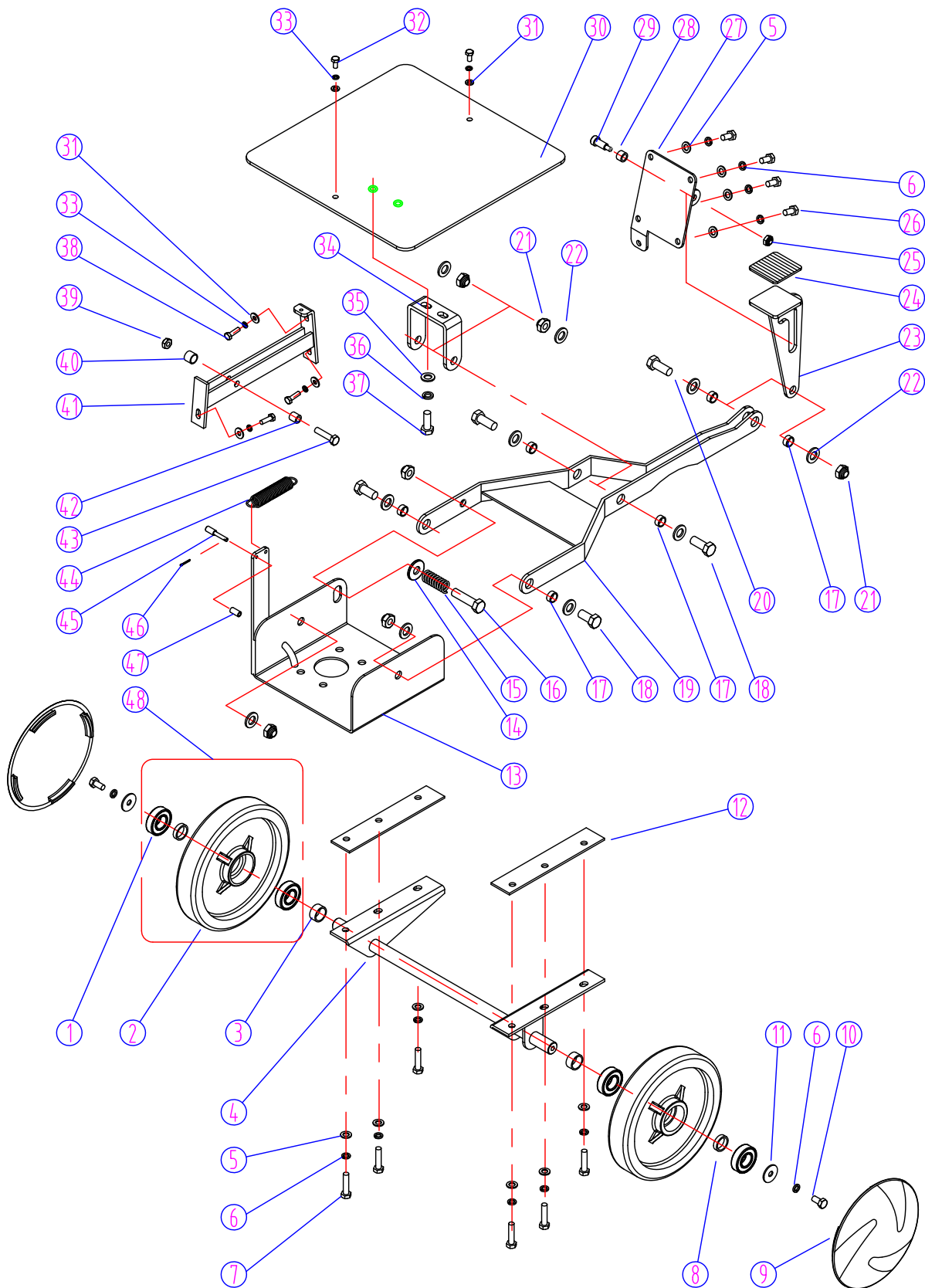


## FANG 20 & 20T - SQUEEGEE ASSEMBLY

| DIA NO | PART NUMBER | DESCRIPTION                            | NO REQ'D |
|--------|-------------|----------------------------------------|----------|
| 1      | VF14247     | SCREW, M12 X 25                        | 2        |
| 2      | VF13538     | WASHER, PLAIN, M12 X M26 X 2           | 2        |
| 3      | VF82016A    | BUSHING                                | 2        |
| 4      | VF82130     | MOUNT, PIVOT (FANG20)                  | 1        |
|        | VF82330     | MOUNT, PIVOT (FANG20T)                 | 1        |
| 5      | VF13541     | WASHER, LOCK, M12                      | 2        |
| 6      | VF82049     | CABLE, SQUEEGEE LIFT                   | 1        |
| 7      | VF82112     | BUSHING                                | 1        |
| 8      | VF81203A    | HOSE                                   | 1        |
| 9      | VF83150     | HOLDER, "U" HOSE                       | 1        |
| 10     | VF81207     | SPRING                                 | 1        |
| 11     | VF82047     | SHAFT                                  | 1        |
| 12     | VF13513     | NUT, M8                                | 1        |
| 13     | VF14236     | SCREW, M8 X 40                         | 4        |
| 14     | VF13514A    | WASHER, PLAIN, M8 X M16.5 X 1          | 2        |
| 15     | VF82055     | BUSHING                                | 2        |
| 16     | VF82013     | WHEEL, 3"                              | 2        |
| 17     | VF82116     | HOUSING, SQUEEGEE                      | 1        |
| 18     | VF82063     | BLADE, SQUEEGEE, REAR (PU)             | 1        |
|        | VF82119     | BLADE, SQUEEGEE, REAR (NEOPRENE )      | 1        |
| 19     | VF81218     | LATCH, HOOD                            | 1        |
| 20     | VF81209     | HOOK, REAR SQUEEGEE, BACKUP ADJUSTMENT | 1        |
| 21     | VF14310     | SCREW, M5 X 70                         | 1        |
| 22     | VF81208     | RIVET, M4 X 5                          | 2        |
| 23     | GT13022     | NUT, LOCK, M5                          | 1        |
| 24     | VF81222     | BOLT, SHOULDER, M9.5 X 31.5 X 5/16"    | 3        |
| 25     | VF81219     | WHEEL, 2"                              | 3        |
| 26     | VF13535     | WASHER, PLAIN, M8 X M20 X 2            | 3        |
| 27     | VV20203     | NUT, LOCKM 5/16"                       | 3        |
| 28     | VF82120     | BACKUP STRIP, SQUEEGEE, REAR           | 1        |
| 29     | VF82120A    | KIT,SQUEEGEE REAR BACKUP STRIP         | 1        |
| 30     | VF82062     | BLADE, SQUEEGEE, FRONT (PU)            | 1        |
|        | VF82117     | BLADE, SQUEEGEE, FRONT (NEOPRENE)      | 1        |
| 31     | VF82118     | BACKUP STRIP, SQUEEGEE, FRONT          | 1        |
| 32     | VF82121     | KNOB, M6                               | 6        |
| 33     | VF82084     | BOLT, SHOULDER, M12 X 20               | 2        |
| 34     | VF13502     | NUT, LOCK, M6                          | 1        |
| 35     | VF82131     | BRACKET, SQUEEGEE MOUNT                | 1        |
| 36     | VF13521     | NUT, M6                                | 1        |
| 37     | VF13539     | WASHER, PLAIN, M12 X M32 X 2           | 2        |
| 38     | VF81210     | KNOB, M8                               | 2        |
| 39     | VF14081     | NUT, M12                               | 2        |
| 40     | VF82908A    | SQUEEGEE ASSEMBLY                      | 1        |

## PARTS LIST

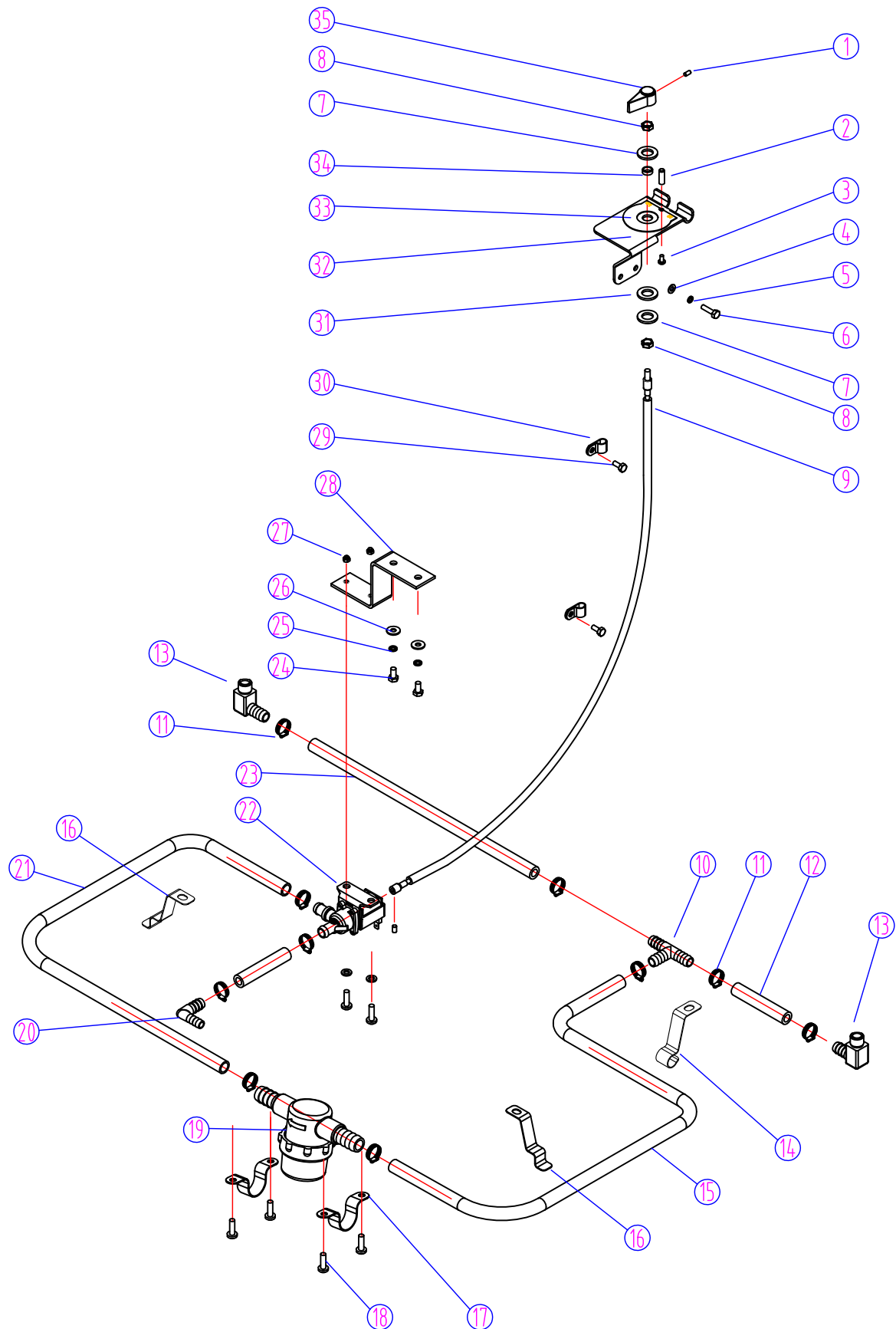
### FANG 20 - BRUSH LIFT / WHEEL AXLE ASSEMBLY



## FANG20 - BRUSH LIFT / WHEEL AXLE ASSEMBLY

| DIA<br>NO | PART<br>NUMBER | DESCRIPTION                   | NO<br>REQ'D |
|-----------|----------------|-------------------------------|-------------|
| 1         | VF14075        | BEARING, #6004                | 4           |
| 2         | VF82005        | WHEEL, 8"                     | 2           |
| 3         | VF82101        | BUSHING                       | 2           |
| 4         | VF82210        | SHAFT                         | 1           |
| 5         | VF13535        | WASHER, PLAIN, M8 X M20 X 2   | 10          |
| 6         | VF13519        | WASHER, LOCK, M8              | 12          |
| 7         | VA13491        | SCREW, M8 X 25                | 6           |
| 8         | VF82113        | BUSHING                       | 2           |
| 9         | VF82080        | HUB, CAP                      | 2           |
| 10        | VF14234        | SCREW, M8 X 16                | 2           |
| 11        | VF13542        | WASHER, PLAIN, M8 X M26 X 2   | 2           |
| 12        | VF82206        | SPACER                        | 2           |
| 13        | VF82017        | BRACKET, MOTOR                | 1           |
| 14        | VF82065        | OILITE THRUST WASHER          | 1           |
| 15        | VF82064        | SPRING                        | 1           |
| 16        | VF14240        | SCREW, M12 X 60               | 1           |
| 17        | VF82016A       | BUSHING                       | 6           |
| 18        | VF14238        | SCREW, M12 X 30               | 4           |
| 19        | VF82016        | BRACKET, BRUSH LIFT           | 1           |
| 20        | VF14239        | SCREW, M12 X 35               | 1           |
| 21        | VF13501        | NUT, LOCK, M12                | 6           |
| 22        | VF13538        | WASHER, PLAIN, M12 X M22 X 2  | 5           |
| 23        | VF82020        | LATCH, BRUSH LIFT             | 1           |
| 24        | VF81111        | SPACER, RUBBER                | 1           |
| 25        | VV20203        | NUT, LOCK, 5/16"              | 1           |
| 26        | VV13604        | SCREW, M8 X 20                | 4           |
| 27        | VF82021        | BRACKET, BRUSH LIFT, LATCH    | 1           |
| 28        | VF82021A       | BUSHING                       | 1           |
| 29        | VF82021B       | BOLT, SHOULDER                | 1           |
| 30        | VF82023        | MOUNT PLATE, BRUSH LIFT LATCH | 1           |
| 31        | VF13533        | WASHER, PLAIN, M6 X M16 X 2   | 5           |
| 32        | VF13495        | SCREW, M6 X 16                | 2           |
| 33        | VV13607        | WASHER, LOCK, M6              | 5           |
| 34        | VF82022        | BRACKET, ADJUSTMENT           | 1           |
| 35        | VF13537        | WASHER, PLAIN, M10 X M26 X 2  | 2           |
| 36        | VF13518        | WASHER, LOCK, M10             | 2           |
| 37        | VF14123        | SCREW, M10 X 25               | 2           |
| 38        | VF14233        | SCREW, M6 X 20                | 3           |
| 39        | VF13503        | NUT, LOCK, M8                 | 1           |
| 40        | VF82018A       | BUSHING                       | 1           |
| 41        | VF82018        | ROLLER BRACKET, BRUSH LIFT    | 1           |
| 42        | VF82018B       | BUSHING                       | 1           |
| 43        | VF14236        | SCREW, M8 X 40                | 1           |
| 44        | VF81120        | SPRING                        | 1           |
| 45        | VF82158        | SHAFT                         | 1           |
| 46        | VF14096        | PIN, M2X20                    | 1           |
| 47        | VF82159        | BUSHING                       | 1           |
| 48        | VF82005A       | KIT, WHEEL, 8"                | 1           |

FANG 20 & FANG 20T - SOLUTION CONTROL ASSEMBLY

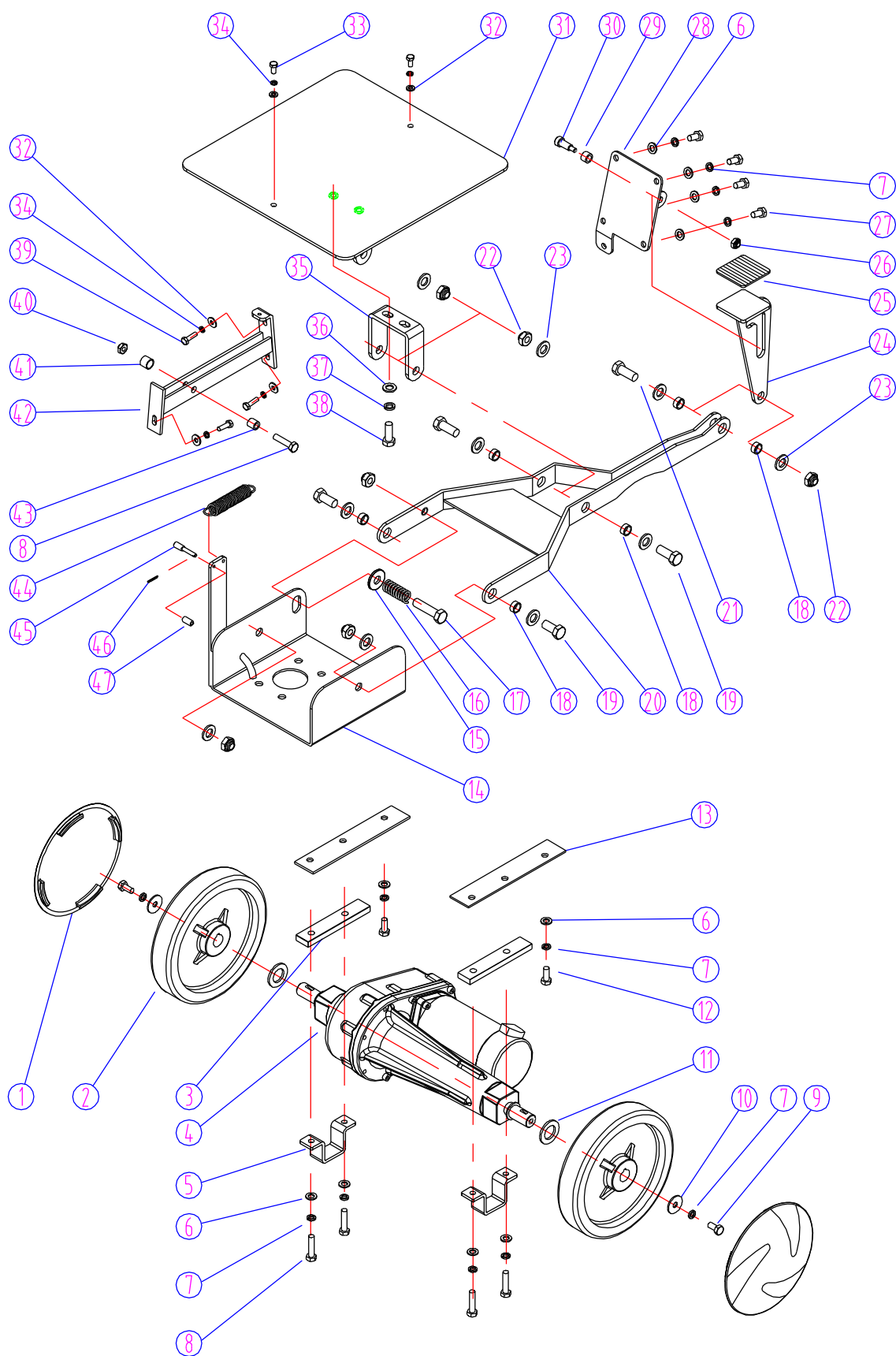


## FANG20 & 20T - SOLUTION CONTROL ASSEMBLY

| DIA NO | PART NUMBER | DESCRIPTION                     | NO REQ'D |
|--------|-------------|---------------------------------|----------|
| 1      | VF14245     | SCREW, M5 X 6                   | 2        |
| 2      | VF82036     | SHAFT                           | 1        |
| 3      | VV13650     | SCREW, M4 X 10                  | 1        |
| 4      | VF13532     | WASHER, PLAIN, M5               | 4        |
| 5      | VV13601     | WASHER, LOCK, M5                | 5        |
| 6      | VF14230     | SCREW, M5 X 15                  | 2        |
| 7      | VF13536     | WASHER, PLAIN, M9.8 X M16 X 1   | 2        |
| 8      | VF82075     | NUT, 3/8"                       | 2        |
| 9      | VF82035     | CABLE, SOLENOID                 | 1        |
| 10     | VF82040     | HOSE BARB, TEE                  | 1        |
| 11     | VF82148     | CLAMP, 16mm                     | 10       |
| 12     | VF82138     | TUBING, 75mm                    | 1        |
| 13     | VF81403     | ELBOW, SOLUTION TANK            | 2        |
| 14     | VF82134     | BRACKET, TUBING                 | 1        |
| 15     | VF82135     | TUBING, 690mm                   | 1        |
| 16     | VF82133     | CLAMP, TUBING                   | 1        |
| 17     | VF82166     | CLAMP, FILTER                   | 2        |
| 18     | VV20061     | SCREW, SELF-TAPPING             | 4        |
| 19     | VF82168     | FILTER                          | 1        |
| 20     | VF82041     | ELBOW, HOSE BARB                | 1        |
| 21     | VF82136     | TUBING, 590mm                   | 1        |
| 22     | VF82033-20  | SOLUTION VALVE, SOLENOID, 24VDC | 1        |
| 23     | VF82137     | TUBING, 205mm                   | 1        |
| 24     | VF13495     | SCREW, M6 X 16                  | 4        |
| 25     | VV13607     | WASHER, LOCK, M6                | 2        |
| 26     | VF13533     | WASHER, PLAIN, M6 X M16 X 2     | 4        |
| 27     | VF13502     | NUT, LOCK, M6                   | 2        |
| 28     | VF82034A    | BRACKET, SOLENOID               | 1        |
| 29     | VV20509     | SCREW, M5X10                    | 3        |
| 30     | VF81118     | CLAMP                           | 3        |
| 31     | VF13540     | WASHER, WAVE, M12               | 1        |
| 32     | VF82037     | BRACKET, DRAIN HOSE & VALVE     | 1        |
| 33     | VF82069     | LABEL, VALVE                    | 1        |
| 34     | VF82074     | BUSHING                         | 1        |
| 35     | VF82038     | KNOB, VALVE ADJUST              | 1        |



## FANG 20T - BRUSH LIFT / DRIVE ASSEMBLY

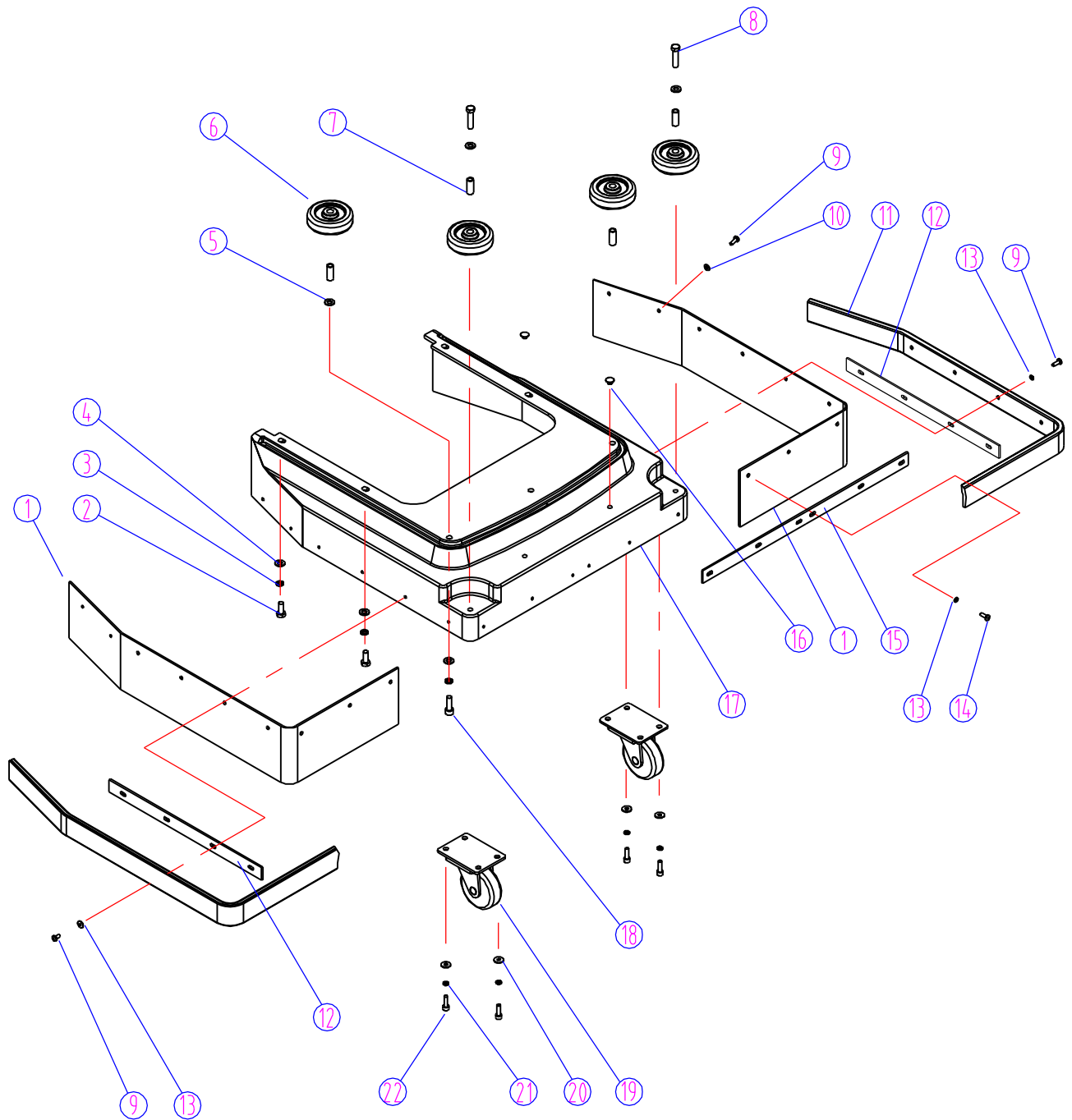


**FANG 20T - BRUSH LIFT/DRIVE ASSEMBLY**

| <b>DIA<br/>NO</b> | <b>PART<br/>NUMBER</b> | <b>DESCRIPTION</b>                   | <b>NO<br/>REQ'D</b> |
|-------------------|------------------------|--------------------------------------|---------------------|
| 1                 | VF82080                | HUB CAP                              | 2                   |
| 2                 | VF82006                | WHEEL, 8" (Serial#1000 - 1499)       | 2                   |
|                   | VF82208                | WHEEL, 8" (Serial#1500+)             | 2                   |
| 3                 | VF82205                | SPACER                               | 2                   |
| 4                 | VF82004                | TRANSAXLE, 20"(Serial#1000 - 1499)   | 1                   |
|                   | VF82200                | TRANSAXLE, 20" (Serial#1500+)        | 1                   |
|                   | ZD72000A               | MOTOR,TRANSAXLE,24VDC (Serial#1500+) | 1                   |
|                   | VF82207                | KEY, 5 X 25 (Serial#1500+)           | 2                   |
| 5                 | VF82204                | BRACKET,TRANSAXLE MOUNT              | 2                   |
| 6                 | VF13535                | WASHER, PLAIN, M8 X M20 X 2          | 10                  |
| 7                 | VF13519                | WASHER, LOCK, F8                     | 12                  |
| 8                 | VF14236                | SCREW, M8 X 40                       | 5                   |
| 9                 | VF14249                | SCREW, M8 X 12                       | 2                   |
| 10                | VF13546                | WASHER, PLAIN, M8 X M28 X 2          | 2                   |
| 11                | VF82203                | WASHER, PLAIN, M20 X M37 X 2         | 2                   |
| 12                | VF14234                | SCREW, M8 X 16                       | 2                   |
| 13                | VF82206                | SPACER                               | 2                   |
| 14                | VF82017                | BRACKET, MOTOR                       | 1                   |
| 15                | VF82065                | OILITE THRUST WASHER                 | 1                   |
| 16                | VF82064                | SPRING                               | 1                   |
| 17                | VF14240                | SCREW, M12 X 60                      | 1                   |
| 18                | VF82016A               | BUSHING                              | 6                   |
| 19                | VF14238                | SCREW, M12 X 30                      | 4                   |
| 20                | VF82016                | BRACKET, BRUSH LIFT                  | 1                   |
| 21                | VF14239                | SCREW, M12 X 35                      | 1                   |
| 22                | VF13501                | NUT, LOCK, M12                       | 6                   |
| 23                | VF13538                | WASHER, PLAIN, M12 X M22 X 2         | 10                  |
| 24                | VF82020                | LATCH, BRUSH LIFT                    | 1                   |
| 25                | VF81111                | SPACER, RUBBER                       | 1                   |
| 26                | VV20203                | NUT, LOCK, 5/16"                     | 1                   |
| 27                | VV13604                | SCREW, M8 X 20                       | 4                   |
| 28                | VF82021                | BRACKET, BRUSH LIFT, LATCH           | 1                   |
| 29                | VF82021A               | BUSHING                              | 1                   |
| 30                | VF82021B               | BOLT, SHOULDER                       | 1                   |
| 31                | VF82023                | MOUNT PLATE, BRUSH LIFT LATCH        | 1                   |
| 32                | VF13533                | WASHER, PLAIN, M6 X M16 X 2          | 5                   |
| 33                | VF13495                | SCREW, M6 X 16                       | 2                   |
| 34                | VV13607                | WASHER, LOCK, M6                     | 5                   |
| 35                | VF82022                | BRACKET, ADJUSTMENT                  | 1                   |
| 36                | VF13537                | WASHER, PLAIN, M10 X M26 X 2         | 2                   |
| 37                | VF13518                | WASHER, LOCK, M10                    | 2                   |
| 38                | VF14123                | SCREW, M10 X 25                      | 2                   |
| 39                | VF14233                | SCREW, M6 X 20                       | 3                   |
| 40                | VF13503                | NUT, LOCK, M8                        | 1                   |
| 41                | VF82018A               | BUSHING                              | 1                   |
| 42                | VF82018                | ROLLER BRACKET, BRUSH LIFT           | 1                   |
| 43                | VF82018B               | BUSHING                              | 1                   |
| 44                | VF81120                | SPRING                               | 1                   |
| 45                | VF82158                | SHAFT                                | 1                   |
| 46                | VF14096                | PIN, M2 X 20                         | 1                   |
| 47                | VF82159                | BUSHING                              | 1                   |

## PARTS LIST

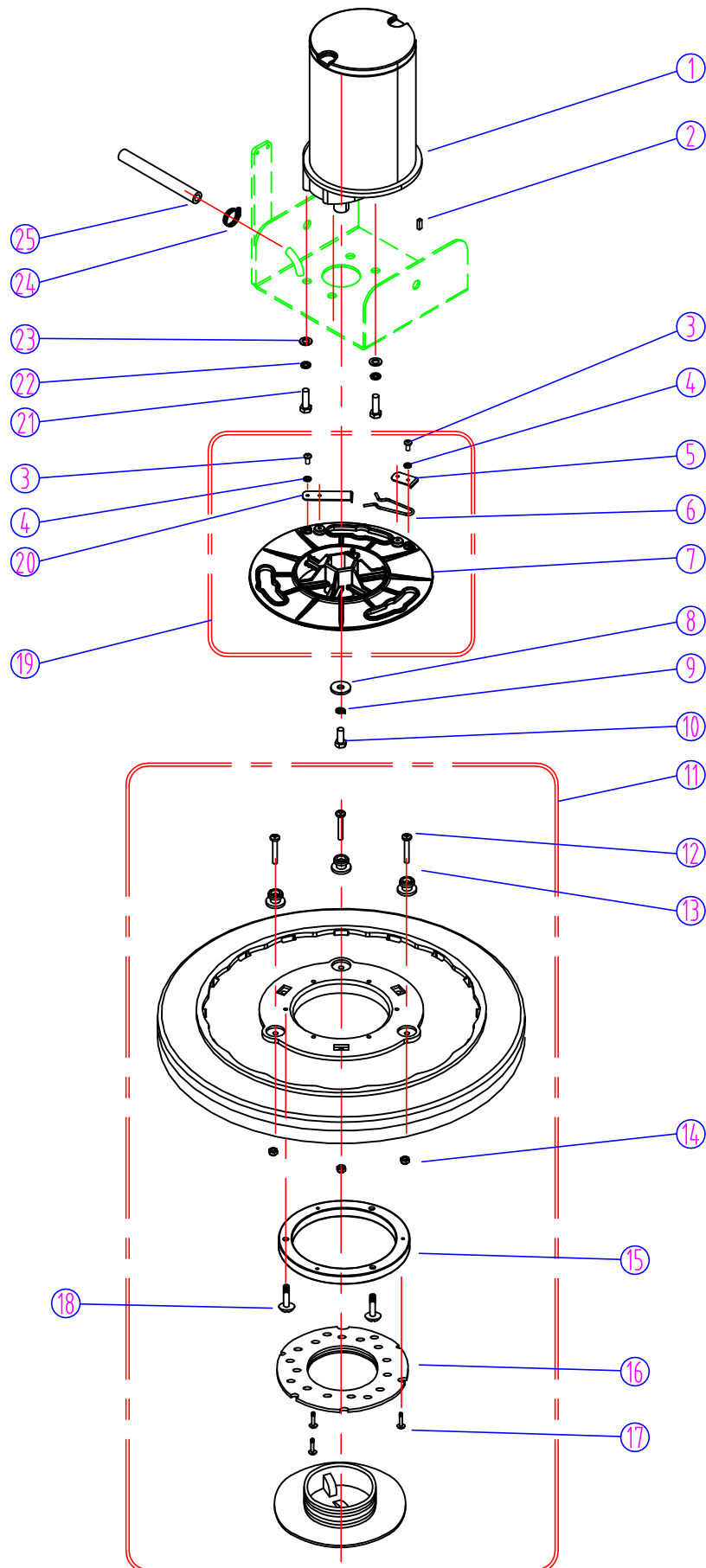
### FANG 20 & FANG 20T - BRUSH SKIRT ASSEMBLY



## FANG 20 & FANG 20T - BRUSH SKIRT ASSEMBLY

| DIA NO | PART NUMBER | DESCRIPTION                   | NO REQ'D |
|--------|-------------|-------------------------------|----------|
| 1      | VF82014     | BUMPER                        | 2        |
| 2      | VA13491     | SCREW, M8 X 25                | 5        |
| 3      | VF13519     | WASHER, LOCK, M8              | 7        |
| 4      | VF13535     | WASHER, PLAIN, M8 X M20 X 2   | 7        |
| 5      | VF13514A    | WASHER, PLAIN, M8 X M16.5 X 1 | 4        |
| 6      | VF82013     | WHEEL, 3"                     | 4        |
| 7      | VF82055     | BUSHING                       | 4        |
| 8      | VF14236     | SCREW, M8 X 40                | 2        |
| 9      | VA13474     | SCREW, M5 X 16                | 14       |
| 10     | VF13550     | WASHER, PLAIN, M5 X M25 X 1.5 | 4        |
| 11     | VF82068     | GRIP, BUMPER                  | 1        |
| 12     | VF82127     | CLAMP, BUMPER                 | 2        |
| 13     | VA13400     | WASHER, PLAIN, M5 X M11 X 1   | 14       |
| 14     | VV20509     | SCREW, M5 X 10                | 4        |
| 15     | VF82126     | CLAMP, BUMPER                 | 1        |
| 16     | VF82060     | COVER                         | 2        |
| 17     | VF82003     | SKIRT                         | 1        |
| 18     | VF14243     | SCREW, M8 X 45                | 2        |
| 19     | VF82012A    | CASTER, SWIVEL, 3"            | 2        |
| 20     | VF13533     | WASHER, PLAIN, M6             | 8        |
| 21     | VV13607     | WASHER, LOCK, M6              | 8        |
| 22     | VF14233     | SCREW, M6 X 20                | 8        |

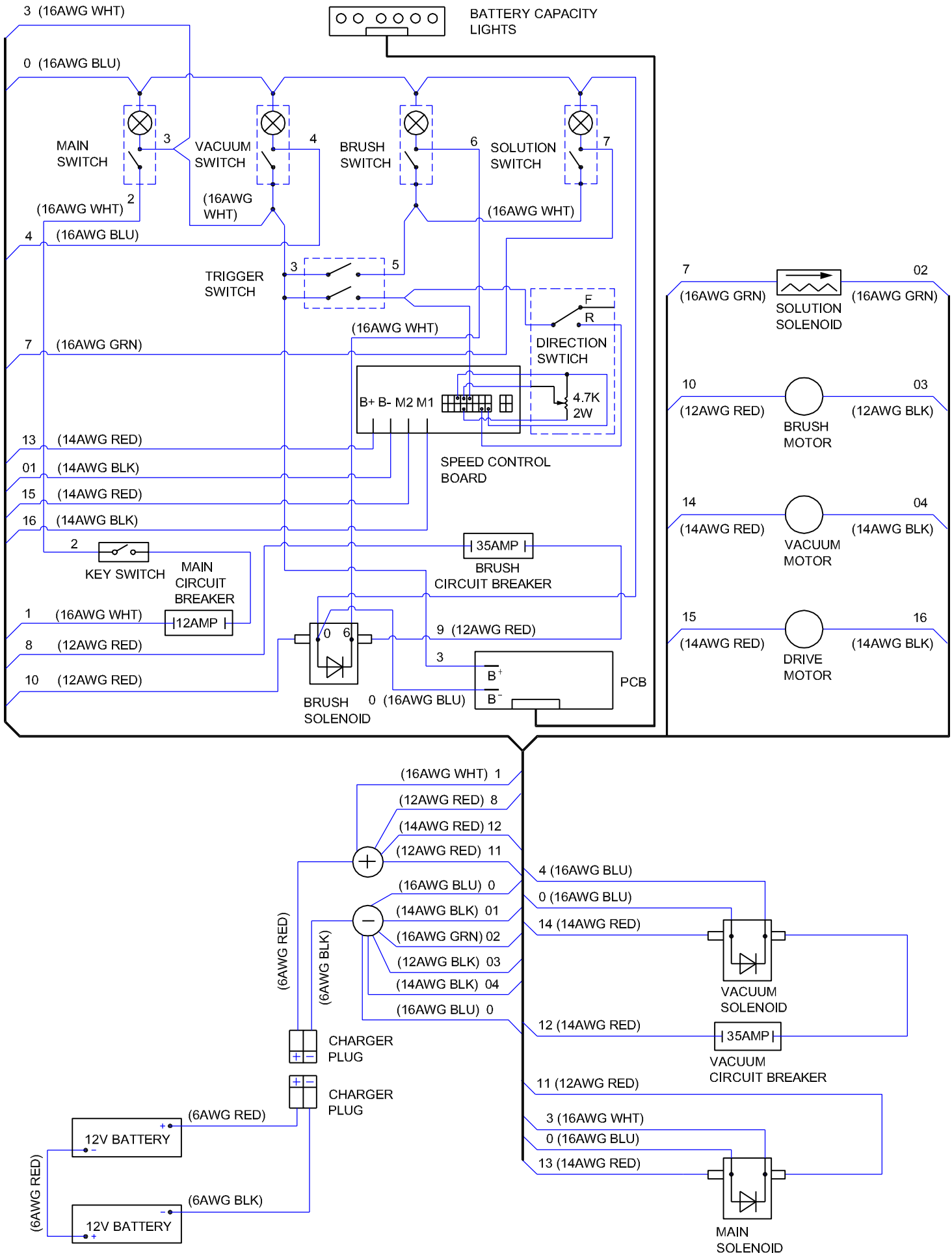
FANG 20 & FANG 20T - BRUSH / PAD DRIVE ASSEMBLY



## FANG20 & 20T - BRUSH / PAD DRIVE ASSEMBLY

| DIA NO | PART NUMBER | DESCRIPTION                     | NO REQ'D |
|--------|-------------|---------------------------------|----------|
| 1      | ZD45000     | BRUSH MOTOR, 24VDC, .75HP       | 1        |
| 2      | ZD45407     | KEY, 6.35 X 25                  | 1        |
| 3      | VF13545     | SCREW, SELF-TAPPING,ST, M5 X 10 | 4        |
| 4      | VV13601     | WASHER, LOCK, M5                | 4        |
| 5      | VF83131     | CLAMP, BRUSH PLATE              | 1        |
| 6      | VF83132     | SPRING                          | 1        |
| 7      | VF83130     | PLATE, DRIVE                    | 1        |
| 8      | VF82058     | WASHER                          | 1        |
| 9      | VV20298     | WASHER, LOCK, 5/16"             | 1        |
| 10     | VF14241     | SCREW, 5/16"-1"                 | 1        |
| 11     | VF82057     | PAD DRIVER, 19"                 | 1        |
| 12     | VF14225A    | SCREW, M6 X 40                  | 3        |
| 13     | VF83133     | STUD                            | 3        |
| 14     | VF13502     | NUT, LOCK, M6                   | 3        |
| 15     | VF83118     | SPACER                          | 1        |
| 16     | VF99003A    | BIG MOUTH                       | 1        |
| 17     | VA13484     | SCREW, SELF-TAPPING,ST, M4 X 12 | 3        |
| 18     | MF-VF002-4A | SCREW, SELF-TAPPING, 1/4"-1"    | 3        |
| 19     | VF83130A    | PLATE, DRIVE, ASSY              | 1        |
| 20     | VF83134     | STOP, DRIVE RELEASE             | 1        |
| 21     | VF14242     | SCREW, 3/8"-1                   | 4        |
| 22     | VV13620     | WASHER, LOCK, 3/8"              | 4        |
| 23     | VF13537     | WASHER, PLAIN, M10 X M26 X 2    | 4        |
| 24     | VF82148     | CLAMP, 16mm                     | 1        |
| 25     | VF82077     | TUBING, 55mm                    | 1        |

# WIRING DIAGRAM FOR FANG 20T



# WIRING DIAGRAM FOR FANG 20

