

# PLUS® HIGH EFFICIENCY GRAVITY FEED GUN

# PLUS®

## Includes:

- 1.2mm, 1.3mm, and 1.4mm fluid tips
- 900cc aluminum cup with push-on lid
- HAV-511 high output air adjusting valve with gauge
- Fluid filter, gun hook

| Order No. | Model No. | Type | Fluid Tip (mm) | Inlet Pressure | Application            |
|-----------|-----------|------|----------------|----------------|------------------------|
| 110264    | GFG-670   | HE   | 1.2, 1.3       | 25–35 PSI      | Basecoats              |
|           |           |      |                | 30–40 PSI      | High solids clearcoats |
|           |           |      | 1.4            | 30–40 PSI      | Single stages          |
|           |           |      |                | 30–40 PSI      | Low solids clearcoats  |
|           |           |      |                | 30–40 PSI      | Single stages          |

## PLUS® Gravity Feed High Efficiency Air Cap

| #410 air cap | Primers, basecoats, clearcoats, single stage and low VOC      | Air Cap Order No. 192174 | Air Cap Model No. AV-440-410 | 30–40 PSI Inlet | 9–11 CFM | Air Cap Pattern |
|--------------|---------------------------------------------------------------|--------------------------|------------------------------|-----------------|----------|-----------------|
| Fluid tips   | 1.0mm, 1.2mm, 1.3mm, 1.4mm (Included tip sizes shown in bold) |                          |                              |                 |          | 12½"            |



EPA Compliant.  
Approved in most  
HVLP areas.

Refer to Service Bulletin: SB-2-194

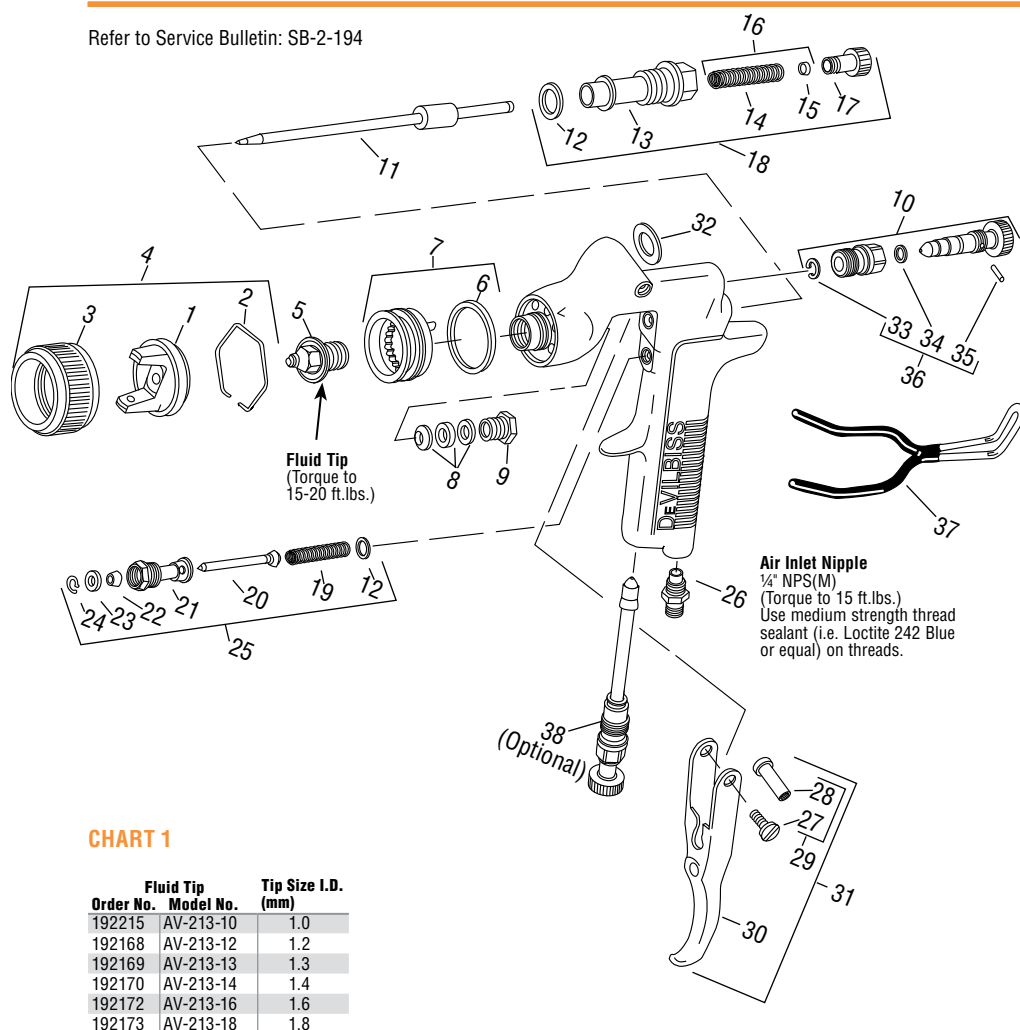


CHART 1

| Order No. | Model No. | Fluid Tip (mm) | Tip Size I.D. (mm) |
|-----------|-----------|----------------|--------------------|
| 192215    | AV-213-10 | 1.0            | 1.0                |
| 192168    | AV-213-12 | 1.2            | 1.2                |
| 192169    | AV-213-13 | 1.3            | 1.3                |
| 192170    | AV-213-14 | 1.4            | 1.4                |
| 192172    | AV-213-16 | 1.6            | 1.6                |
| 192173    | AV-213-18 | 1.8            | 1.8                |

| Ref. No. | Order No.   | Model No.     | Description                       | Ind. Parts Req. |
|----------|-------------|---------------|-----------------------------------|-----------------|
| 1        | —           | —             | #410 Air Cap                      | 1               |
| 2        | 191972      | JGA-156-K10   | Spring Clip (Kit of 10)           | 1               |
| 3        | 192042      | GTI-3         | Air Cap Retaining Ring            | 1               |
| 4        | 192174      | AV-440-410    | #410 Air Cap and Retaining Ring   | 1               |
| 5        | See Chart 1 | See Chart 1   | Fluid Tip                         | 1               |
| • 6      | 192179      | GTI-33-K5     | Baffle Seal (Kit of 5)            | 1               |
| 7        | 192178      | GTI-425       | Baffle Assembly                   | 1               |
| • 8      | 192109      | JGA-4035-K5   | Packing (Kit of 5)                | 1               |
| 9        | 190893      | 34411-122-K10 | Packing Nut                       | 1               |
| 10       | 192050      | GTI-404       | Spreader Valve                    | 1               |
| 11       | 192054      | GTI-413       | Fluid Needle                      | 1               |
| • 12     | 190161      | JGS-72-K10    | Gasket Kit (PTFE) (Kit of 10)     | 2               |
| 13       | —           | —             | Body Bushing                      | 1               |
| • 14     | —           | —             | Fluid Needle Spring               | 1               |
| • 15     | —           | —             | Spring Pad                        | 1               |
| 16       | 190894      | MBD-19-K10    | Spring and Pad (Kit of 10)        | 1               |
| 17       | 192043      | GTI-414       | Needle Adjusting Screw            | 1               |
| 18       | 192139      | KK-5059       | Bushing, Spring, Pad and Knob Kit | 1               |
| • 19     | —           | —             | Air Valve Spring                  | 1               |
| • 20     | —           | —             | Air Valve                         | 1               |
| 21       | —           | —             | Air Valve Body                    | 1               |
| • 22     | —           | —             | U Cup Seal                        | 1               |
| • 23     | —           | —             | Washer                            | 1               |
| • 24     | —           | —             | Snap Ring                         | 1               |
| 25       | 190780      | JGS-449-1     | Air Valve Assembly                | 1               |
| 26       | 190287      | P-MB-51       | Air Inlet Nipple 1/4" NPS(M)      | 1               |
| 27       | —           | —             | Trigger Stud Screw                | 1               |
| 28       | —           | —             | Trigger Stud                      | 1               |
| 29       | 190889      | JGS-478       | Stud and Screw Kit                | 1               |
| 30       | —           | —             | Trigger                           | 1               |
| 31       | 191943      | JGS-477-1     | Trigger Stud, Screw Kit           | 1               |
| • 32     | 192151      | KGP-13-K5     | Cup Gasket (Kit of 5)             | 1               |
| • 33     | —           | —             | Retaining Clip                    | 1               |
| • 34     | —           | —             | Seal                              | 1               |
| • 35     | —           | —             | Pin                               | 1               |
| 36       | 192229      | GTI-428-K5    | Clip, Seal & Pin Kit (5 Each)     | 1               |
| 37       | 192219      | —             | Gun Holder, Coated                | 1               |
| 38       | 192228      | GTI-415       | Air Adjusting Valve (Optional)    | 1               |

The 192227 Spray Gun Repair Kit contains all the parts indicated with a •

# GTi® Millennium HVLP GRAVITY FEED GUN/CUP

# GTi

## Includes:

- 1.3mm, 1.4mm, and 1.5mm fluid tips
- 900cc aluminum cup with push-on lid
- HAV-511 high output air adjusting valve with gauge
- Fluid filter, gun hook

| Order No. | Model No. | Type | Fluid Tip (mm) | Inlet Pressure | Application                           |
|-----------|-----------|------|----------------|----------------|---------------------------------------|
| 170156    | GTI-620G  | HVLP | 1.3, 1.4       | 20–25 PSI      | Basecoats                             |
|           |           |      |                | 25–30 PSI      | High solids clearcoats, single stages |
|           |           |      | 1.5            | 20–25 PSI      | Basecoats                             |
|           |           |      |                | 25–30 PSI      | Low solids clearcoats, single stages  |

## GTi® Millennium Gravity Feed HVLP Air Cap

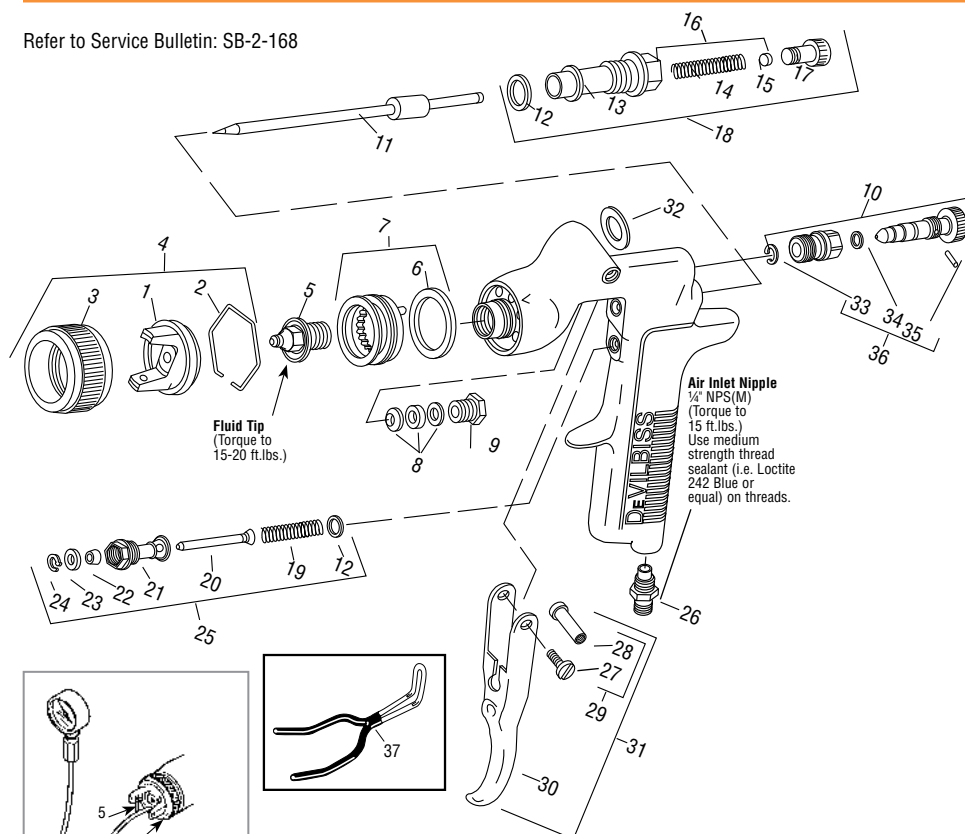
|                       |                                                           |  |
|-----------------------|-----------------------------------------------------------|--|
| #2000 air cap<br>HVLP | Basecoats, clearcoats, primers, single stage, and low VOC |  |
| Air Cap Order No.     | 192136                                                    |  |
| Air Cap Model No.     | GTI-407-2000                                              |  |
| 20–30 PSI inlet       | 12.5-16.0 CFM                                             |  |

Air Cap  
Pattern  
12"

|            |                                                                                                                   |
|------------|-------------------------------------------------------------------------------------------------------------------|
| Fluid tips | 1.2mm, <b>1.3mm</b> , <b>1.4mm</b> , <b>1.5mm</b> , 1.6mm, 1.8mm, 2.0mm, 2.2mm (Included tip sizes shown in bold) |
|------------|-------------------------------------------------------------------------------------------------------------------|



Refer to Service Bulletin: SB-2-168



192137 (GTI-5033-2000)  
Air Cap Test Kit

## CHART 1

| Order No. | Fluid Tip Model No. | Tip Size I.D. (mm) |
|-----------|---------------------|--------------------|
| 192124    | GTI-213-12          | 1.2                |
| 192134    | GTI-213-13          | 1.3                |
| 192044    | GTI-213-14          | 1.4                |
| 192135    | GTI-213-15          | 1.5                |
| 192045    | GTI-213-16          | 1.6                |
| 192046    | GTI-213-18          | 1.8                |
| 192047    | GTI-213-20          | 2.0                |
| 192132    | GTI-213-22          | 2.2                |

| Ref. No. | Order No.   | Model No.     | Description                        | Ind. Parts Req. |
|----------|-------------|---------------|------------------------------------|-----------------|
| 1        | —           | —             | Air Cap                            | 1               |
| 2        | 191972      | JGA-156-K10   | Spring Clip (Kit of 10)            | 1               |
| 3        | 192042      | GTI-3         | Air Cap Retaining Ring             | 1               |
| 4        | 192136      | GTI-407-2000  | Air Cap (#2000) and Retaining Ring | 1               |
| 5        | See Chart 1 | See Chart 1   | Fluid Tip                          | 1               |
| •6       | 192179      | GTI-33-K5     | Baffle Seal (Kit of 5)             | 1               |
| 7        | 192178      | GTI-425       | Baffle Assembly                    | 1               |
| •8       | 192109      | JGA-4035-K5   | Packing (Kit of 5)                 | 1               |
| 9        | 190893      | 34411-122-K10 | Packing Nut                        | 1               |
| 10       | 192050      | GTI-404       | Spreader Valve                     | 1               |
| 11       | 192054      | GTI-413       | Fluid Needle                       | 1               |
| •12      | 190161      | JGS-72-K10    | Gasket Kit (PTFE) (Kit of 10)      | 2               |
| 13       | —           | —             | Body Bushing                       | 1               |
| •14      | —           | —             | Fluid Needle Spring                | 1               |
| •15      | —           | —             | Spring Pad                         | 1               |
| 16       | 190894      | MBD-19-K10    | Spring and Pad (Kit of 10)         | 1               |
| 17       | 192043      | GTI-414       | Needle Adjusting Screw             | 1               |
| 18       | 192139      | KK-5059       | Bushing, Spring, Pad and Knob Kit  | 1               |
| •19      | —           | —             | Air Valve Spring                   | 1               |
| •20      | —           | —             | Air Valve                          | 1               |
| 21       | —           | —             | Air Valve Body                     | 1               |
| •22      | —           | —             | U Cup Seal                         | 1               |
| •23      | —           | —             | Washer                             | 1               |
| •24      | —           | —             | Snap Ring                          | 1               |
| 25       | 190780      | JGS-449-1     | Air Valve Assembly                 | 1               |
| 26       | 190287      | P-MB-51       | Air Inlet Nipple 1/4\" NPS(M)      | 1               |
| 27       | —           | —             | Trigger Stud Screw                 | 1               |
| 28       | —           | —             | Trigger Stud                       | 1               |
| 29       | 190889      | JGS-478       | Stud and Screw Kit                 | 1               |
| 30       | —           | —             | Trigger                            | 1               |
| 31       | 191943      | JGS-477-1     | Trigger Stud, Screw Kit            | 1               |
| •32      | 192151      | KGP-13-K5     | Cup Gasket (Kit of 5) Blue         | 1               |
| •33      | —           | —             | Retaining Clip                     | 1               |
| •34      | —           | —             | Seal                               | 1               |
| •35      | —           | —             | Pin                                | 1               |
| 36       | 192229      | GTI-428-K5    | Clip, Seal & Pin Kit (5 Each)      | 1               |
| 37       | 192219      | —             | Gun Holder, Coated                 | 1               |
| 38       | 192140      | KK-5060       | Air Cap Cleaning Kit               | 1               |

• A quantity of necessary parts is included in 192227 Repair Kit (KK-5058-2) for complete gun repair and should be kept on hand for service convenience.

**Suffixes:** -K5 designates kit of multiple parts. Example: JGA-4035-K5 is a kit of 5 packings.

# JGA® CONVENTIONAL SUCTION FEED GUN/CUP

## Includes:

- TGC 1 qt. cup

## Proven Technology and Durability

| Order No. | Model No. | Type | Fluid Tip (mm) | Inlet Pressure | Application                                                                                                    |
|-----------|-----------|------|----------------|----------------|----------------------------------------------------------------------------------------------------------------|
| 110225    | JGA-644   | CNV. | 1.6            | 35-50 PSI      | Base, clear, low VOC, single stages, Urethanes                                                                 |
| 110102    | JGA-636   | CNV. | 1.8            | 25-45 PSI      | Synthetic and acrylic enamels. May need to restrict fluid flow with needle adjustment for base and clearcoats. |

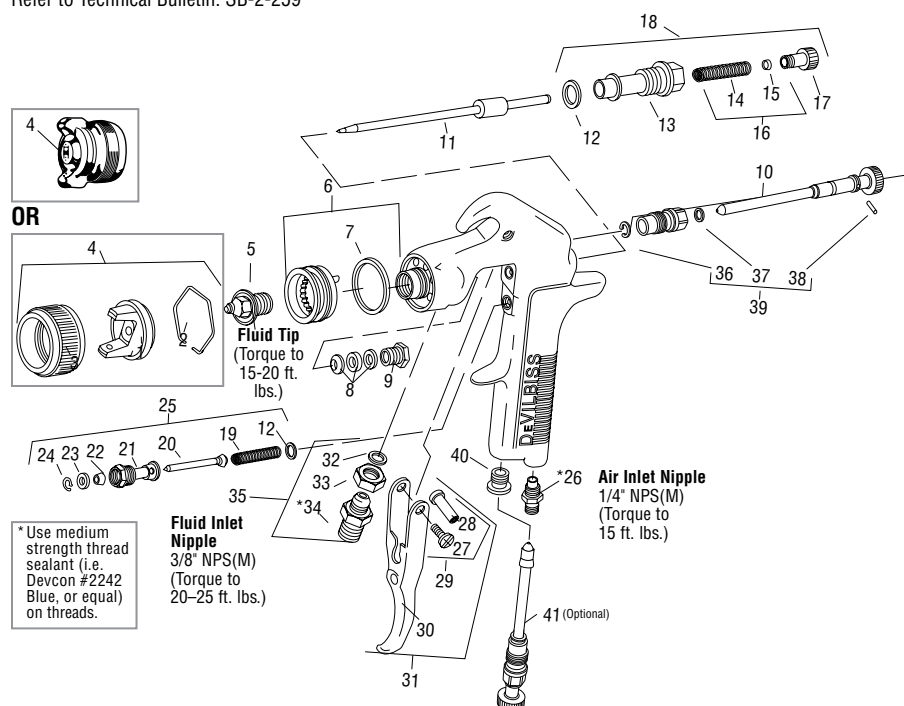
CNV. = CONVENTIONAL

## JGA® Conventional Suction Feed Air Caps

|               |                                      |              |                                                                                                        |
|---------------|--------------------------------------|--------------|--------------------------------------------------------------------------------------------------------|
| #9000 air cap | Basecoats, clearcoats, single stages |              | Air Cap Pattern<br> |
|               | Air Cap Order No.                    | 199000       |                                                                                                        |
|               | Air Cap Model No.                    | AV-440-9000  |                                                                                                        |
|               | 35-50 PSI inlet                      | 9-13 CFM     |                                                                                                        |
|               | Fluid tips                           | 1.6mm, 1.8mm |                                                                                                        |
| #80 air cap   | Synthetic and acrylic enamels        |              | Air Cap Pattern<br> |
|               | Air Cap Order No.                    | 190230       |                                                                                                        |
|               | Air Cap Model No.                    | MB-4039-80   |                                                                                                        |
|               | 25-45 PSI inlet                      | 10-14 CFM    |                                                                                                        |
|               | Fluid tips                           | 1.8mm        |                                                                                                        |



Refer to Technical Bulletin: SB-2-259



**CHART 1 – Air Caps, Fluid Tips, Fluid Needles & Applications**

| No. on Air Cap Order No. → | Air Cap With Ring (Ref. No. 4) | Type of Fluid Delivery | Fluid Needle (Ref. No. 11) | Fluid Tips Used (Ref. No. 5) |
|----------------------------|--------------------------------|------------------------|----------------------------|------------------------------|
| 80                         | 190230 MB-4039-80              | Suction                | 192054 GTI-413             | AV-213-16 OR AV-213-18       |
| 9000                       | 199000 AV-440-9000             | Suction OR Pressure    | 192054 GTI-413             | AV-213-16 OR AV-213-18       |

**CHART 2 – Fluid Tips**

| Fluid Tip Order No. | Model No. | Tip Size I.D. (mm) | Type of Fluid Delivery |
|---------------------|-----------|--------------------|------------------------|
| 192172              | AV-213-16 | 1.6                | Suction Feed           |
| 192173              | AV-213-18 | 1.8                | Suction Feed           |

| Ref. Order No. | Model No. | Description                                            | Ind. Parts Req. |
|----------------|-----------|--------------------------------------------------------|-----------------|
| 1              | —         | Air Cap                                                | 1               |
| 2              | 191972    | JGA-156-K10 Spring Clip (Kit of 10)                    | 1               |
| 3              | 192042    | GTI-3 Air Cap Retaining Ring                           | 1               |
| 4              | —         | See Chart 1 Air Cap & Retaining Ring                   | 1               |
| 5              | —         | See Charts 1 & 2 Fluid Tip                             | 1               |
| 6              | 192178    | GTI-425 Baffle Assembly                                | 1               |
| •7             | 192179    | GTI-33-K5 Baffle Seal (Kit of 5)                       | 1               |
| •8             | 192109    | JGA-4035-K5 Packing (Kit of 5)                         | 1               |
| 9              | 190893    | 34411-122-K10 Packing Nut (Kit of 10)                  | 1               |
| 10             | 192051    | GTI-405 Spreader Valve Assembly                        | 1               |
| 11             | —         | See Chart 1 Fluid Needle                               | 1               |
| •12            | 190161    | JGS-72-K10 Gasket (PTFE) (Kit of 10)                   | 2               |
| 13             | —         | Body Bushing                                           | 1               |
| •14            | —         | Fluid Needle Spring                                    | 1               |
| •15            | —         | Spring Pad                                             | 1               |
| 16             | 190894    | MBD-19-K10 Spring & Pad (Kit of 10)                    | 1               |
| 17             | 192043    | GTI-414 Needle Adjusting Screw                         | 1               |
| 18             | 192139    | KK-5059 Bushing, Spring, Pad & Knob Kit                | 1               |
| •19            | —         | Air Valve Spring                                       | 1               |
| •20            | —         | Air Valve                                              | 1               |
| 21             | —         | Air Valve Body                                         | 1               |
| •22            | —         | U Cup Seal                                             | 1               |
| •23            | —         | Washer                                                 | 1               |
| •24            | —         | Snap Ring                                              | 1               |
| 25             | 190780    | JGS-449-1 Air Valve Assembly                           | 1               |
| 26             | 190287    | P-MB-51 Air Inlet Nipple 1/4" NPS(M)                   | 1               |
| 27             | —         | Trigger Stud Screw                                     | 1               |
| 28             | —         | Trigger Stud                                           | 1               |
| 29             | 190889    | JGS-478 Stud & Screw Kit (includes 3 Studs & 5 Screws) | 1               |
| 30             | —         | Trigger                                                | 1               |
| 31             | 191943    | JGS-477-1 Trigger, Stud & Screw Kit                    | 1               |
| •32            | —         | Fluid Inlet Gasket (PTFE)                              | 1               |
| 33             | —         | Locknut                                                | 1               |
| 34             | —         | Fluid Inlet Adapter                                    | 1               |
| 35             | 190888    | JGA-4042 Fluid Inlet, Gasket & Nut Kit                 | 1               |
| •36            | —         | Retaining Clip                                         | 1               |
| •37            | —         | Seal                                                   | 1               |
| •38            | —         | Pin                                                    | 1               |
| 39             | 192229    | GTI-428-K5 Clip, Seal & Pin Kit (5 Each)               | 1               |
| 40             | 190828    | JGA-132 Plug                                           | 1               |
| 41             | 192228    | GTI-415 Air Adjusting Valve (Optional)                 | 1               |

• A quantity of necessary parts is included in 192227 Repair Kit (KK-5058-2) for complete gun repair and should be kept on hand for service convenience.

**Suffixes:** -K5 designates kit of multiple parts. Example: JGA-4035-K5 is a kit of 5 packings.

# GTi® Millennium HVLP PRESSURE FEED GUN



## HVLP Technology with Large Spray Pattern

- Smooth material and air flow
- Easy to clean
- Produce a high gloss finish and minimize orange peel
- Excellent fluid control for applying more film build with fewer passes

| Order No. | Model No.   | Fluid Tip (mm) | Inlet Pressure | Application | Fluid Flow    |
|-----------|-------------|----------------|----------------|-------------|---------------|
| 170165    | GTI-546P-14 | 1.4            | 50 PSI         | High solids | 9–12 oz./min. |

## GTi® Millennium Pressure Feed HVLP Air Caps

|                            |                                                              |               |                               |
|----------------------------|--------------------------------------------------------------|---------------|-------------------------------|
| #2000<br>air cap<br>(HVLP) | Primers, basecoats, clearcoats, and<br>low VOC               |               | Air Cap<br>Pattern<br><br>11" |
|                            | Air Cap Order No.                                            | 192136        |                               |
|                            | Air Cap Model No.                                            | GTI-407-2000  |                               |
|                            | 20–30 PSI inlet                                              | 12.5–16.0 CFM |                               |
| #46MP<br>air cap<br>(HVLP) | Primers, basecoats, clearcoats, single<br>stages and low VOC |               | Air Cap<br>Pattern<br><br>12" |
|                            | Air Cap Order No.                                            | 192184        |                               |
|                            | Air Cap Model No.                                            | GTI-407-46MP  |                               |
|                            | 50 PSI inlet                                                 | 22.5 CFM      |                               |
| Fluid tips                 | 1.1mm, 1.4mm                                                 |               |                               |



Refer to Service Bulletin: SB-2-199

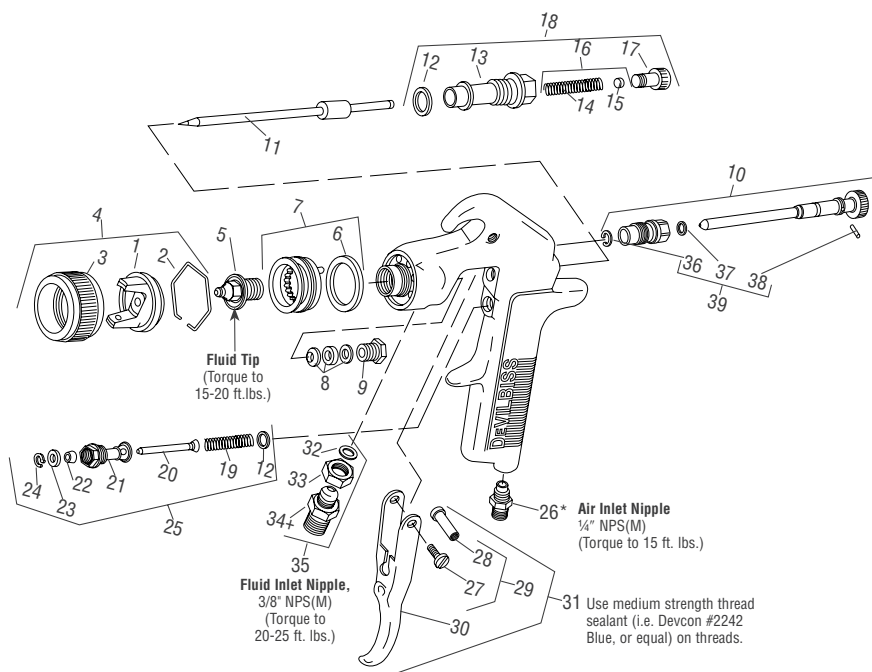


CHART 1: Air Cap and Baffle Combinations

| No. Stamped on Parts |               | Set                |                         | CFM@ Cap Pressure |       |       |       |        |
|----------------------|---------------|--------------------|-------------------------|-------------------|-------|-------|-------|--------|
| Air Cap Part No.     | Baffle        | Ref. No. 4 Air Cap | Ref. No. 7 Baffle Assy. | 2 PSI             | 4 PSI | 6 PSI | 8 PSI | 10 PSI |
| 2000                 | (Not Stamped) | GTI-407-2000       | GTI-425                 | 7.3               | 10.4  | 12.8  | 14.7  | 16.5   |
| 46MP                 | 46            | GTI-407-46MP       | *JGPV-401-46-50         | 8.5               | 13.0  | 16.5  | 19.8  | 22.5   |

NOTE: Baffle Seal NOT used with GTI-546P gun (46MP air cap).

CHART 2: Fluid Tip and Needle

| If this no. is on needle, order → | If this no. is on tip, order → | Order Matched Fluid Tip and Needle Assembly | Tip Size I.D. (mm) |
|-----------------------------------|--------------------------------|---------------------------------------------|--------------------|
| JGA-402-FF                        | AV-2120-FF                     | JGA-4045-FF                                 | 1.4                |
| JGA-402-FX                        | AV-2120-FX                     | JGA-4045-FX                                 | 1.1                |

● 192227 (KK-5058-2) Gun Repair Kit includes a quantity of necessary parts.

Suffixes: -K5 designates kit of multiple parts. Example: JGA-4035-K5 is a kit of 5 packings.

| Ref. No. | Order No.   | Model No.     | Description                      | Ind. Parts Req. |
|----------|-------------|---------------|----------------------------------|-----------------|
| 1        | —           | —             | Air Cap                          | 1               |
| 2        | 191972      | JGA-156-K10   | Spring Clip (Kit of 10)          | 1               |
| 3        | 192042      | GTI-3         | Air Cap Retaining Ring           | 1               |
| 4        | See Chart 1 | —             | Air Cap and Retaining Ring       | 1               |
| 5        | See Chart 2 | —             | Fluid Tip                        | 1               |
| ●6       | 192179      | GTI-33-K5     | Baffle Seal (Kit of 5)           | 1               |
| 7        | See Chart 1 | —             | Baffle Assembly                  | 1               |
| ●8       | 192109      | JGA-4035-K5   | Packing (Kit of 5)               | 1               |
| 9        | 190893      | 34411-122-K10 | Packing Nut                      | 1               |
| 10       | 192051      | GTI-405       | Spreader Valve                   | 1               |
| 11       | See Chart 2 | —             | Fluid Needle                     | 1               |
| ●12      | 190161      | JGS-72-K10    | Gasket Kit (PTFE) (Kit of 10)    | 2               |
| 13       | —           | —             | Body Bushing                     | 1               |
| ●14      | —           | —             | Fluid Needle Spring              | 1               |
| ●15      | —           | —             | Spring Pad                       | 1               |
| 16       | 190894      | MBD-19-K10    | Spring and Pad (Kit of 10)       | 1               |
| 17       | 192043      | GTI-414       | Needle Adjusting Screw           | 1               |
| 18       | 192139      | KK-5059       | Bushing, Spring, Pad & Knob Kit  | 1               |
| ●19      | —           | —             | Air Valve Spring                 | 1               |
| ●20      | —           | —             | Air Valve                        | 1               |
| 21       | —           | —             | Air Valve Body                   | 1               |
| ●22      | —           | —             | U Cup Seal                       | 1               |
| ●23      | —           | —             | Washer                           | 1               |
| ●24      | —           | —             | Snap Ring                        | 1               |
| 25       | 190780      | JGS-449-1     | Air Valve Assembly               | 1               |
| +26      | 190287      | P-MB-51       | Air Inlet Nipple 1/4" NPS(M)     | 1               |
| 27       | —           | —             | Trigger Stud Screw               | 1               |
| 28       | —           | —             | Trigger Stud                     | 1               |
| 29       | 190889      | JGS-478       | Stud and Screw Kit               | 1               |
| 30       | —           | —             | Trigger                          | 1               |
| 31       | 191943      | JGS-477-1     | Trigger Stud, Screw Kit          | 1               |
| ●32      | —           | —             | Fluid Inlet Gasket (PTFE)        | 1               |
| 33       | —           | —             | Locknut                          | 1               |
| +34      | —           | —             | Fluid Inlet Adapter              | 1               |
| 35       | 190888      | JGA-4042      | Fluid Inlet, Gasket, Nut Kit     | 1               |
| ●36      | —           | —             | Retaining Clip                   | 1               |
| ●37      | —           | —             | Seal                             | 1               |
| ●38      | —           | —             | Pin                              | 1               |
| 39       | 192229      | GTI-428-K5    | Clip, Seal & Pin (Kit of 5 Each) | 1               |

# PLUS®

## HIGH EFFICIENCY PRESSURE FEED GUN

# PLUS®

| Order No. | Model No.    | Air Cap   | Fluid Tip (mm) | Inlet Pressure | Application | Fluid Flow    |
|-----------|--------------|-----------|----------------|----------------|-------------|---------------|
| 110272    | PLUS-514P-12 | #414 (HE) | 1.2            | 60-65 PSI      | High solids | 7-14 oz./min. |

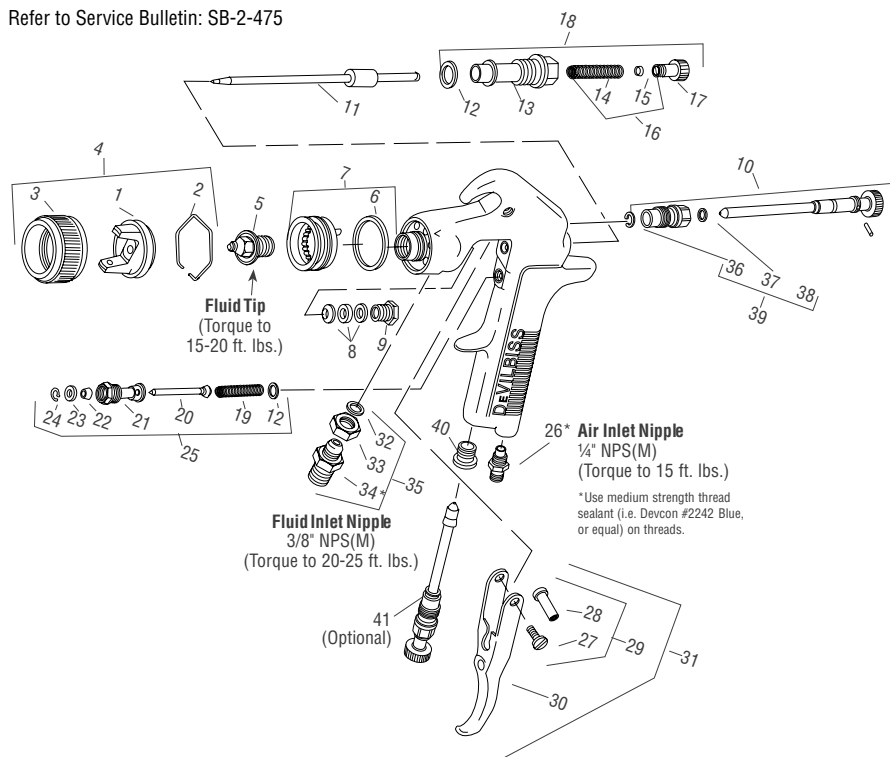
### PLUS® Pressure Feed High Efficiency Air Caps

|                   |                   |                            |  |                        |
|-------------------|-------------------|----------------------------|--|------------------------|
| #414 air cap (HE) | High solids       |                            |  | Air Cap Pattern 11-14" |
|                   | Air Cap Order No. | 192312                     |  |                        |
|                   | Air Cap Model No. | AV-440-414                 |  |                        |
|                   | 60-65 PSI inlet   | 19-22 CFM                  |  |                        |
| Fluid Tips        |                   | 1.0mm, 1.2mm, 1.3mm, 1.4mm |  |                        |



Anodized Finish

Refer to Service Bulletin: SB-2-475



#### CHART 1: Air Cap

| No. on Air Cap | Air Cap Order No. | Air Cap Model No. |
|----------------|-------------------|-------------------|
| 410            | 192174            | AV-440-410        |
| 414            | 192312            | AV-440-414        |

#### CHART 2: Fluid Tips and Needles

| Tip Size (mm) | Fluid Tip (Ref. No. 5) | Suction Feed Fluid Needle (Ref. No. 11) | Pressure Feed Fluid Needle (Ref. No. 11) |
|---------------|------------------------|-----------------------------------------|------------------------------------------|
| 1.0           | AV-213-10              | NR                                      | GTI-449-12                               |
| 1.2           | AV-213-12              | NR                                      | GTI-449-12                               |
| 1.4           | AV-213-14              | GTI-413                                 | GTI-449-12                               |
| 1.6           | AV-213-16              | GTI-413                                 | NR                                       |
| 1.8           | AV-213-18              | GTI-413                                 | NR                                       |

NR = Not Recommended

●192227 (KK-5058-2) Gun Repair Kit includes a quantity of necessary parts.

| Ref. No. | Order No. | Model No.     | Description                       | Ind. Parts Req. |
|----------|-----------|---------------|-----------------------------------|-----------------|
| 1        | —         | —             | Air Cap                           | 1               |
| 2        | 191972    | JGA-156-K10   | Spring Clip (Kit of 10)           | 1               |
| 3        | 192042    | GTI-3         | Air Cap Retaining Ring            | 1               |
| 4        | —         | See Chart 1   | Air Cap and Retaining Ring        | 1               |
| 5        | —         | See Chart 2   | Fluid Tip                         | 1               |
| ●6       | 192179    | GTI-33-K5     | Baffle Seal (Kit of 5)            | 1               |
| 7        | 192178    | GTI-425       | Baffle Assembly                   | 1               |
| ●8       | 192109    | JGA-4035-K5   | Packing (Kit of 5)                | 1               |
| 9        | 190893    | 34411-122-K10 | Packing Nut                       | 1               |
| 10       | 192051    | GTI-405       | Spreader Valve                    | 1               |
| 11       | —         | See Chart 2   | Fluid Needle                      | 1               |
| ●12      | 190161    | JGS-72-K10    | Gasket Kit (PTFE) (Kit of 10)     | 2               |
| 13       | —         | —             | Body Bushing                      | 1               |
| ●14      | —         | —             | Fluid Needle Spring               | 1               |
| ●15      | —         | —             | Spring Pad                        | 1               |
| 16       | 190894    | MBD-19-K10    | Spring and Pad (Kit of 10)        | 1               |
| 17       | 192043    | GTI-414       | Needle Adjusting Screw            | 1               |
| 18       | 192139    | KK-5059       | Bushing, Spring, Pad and Knob Kit | 1               |
| ●19      | —         | —             | Air Valve Spring                  | 1               |
| ●20      | —         | —             | Air Valve                         | 1               |
| 21       | —         | —             | Air Valve Body                    | 1               |
| ●22      | —         | —             | U Cup Seal                        | 1               |
| ●23      | —         | —             | Washer                            | 1               |
| ●24      | —         | —             | Snap Ring                         | 1               |
| 25       | 190780    | JGS-449-1     | Air Valve Assembly                | 1               |
| 26       | 190287    | P-MB-51       | Air Inlet Nipple 1/4\" NPS(M)     | 1               |
| 27       | —         | —             | Trigger Stud Screw                | 1               |
| 28       | —         | —             | Trigger Stud                      | 1               |
| 29       | 190889    | JGS-478       | Stud and Screw Kit                | 1               |
| 30       | —         | —             | Trigger                           | 1               |
| 31       | 191943    | JGS-477-1     | Trigger Stud, Screw Kit           | 1               |
| ●32      | —         | —             | Fluid Inlet Gasket (PTFE)         | 1               |
| 33       | —         | —             | Locknut                           | 1               |
| 34       | —         | —             | Fluid Inlet Adapter               | 1               |
| 35       | 190888    | JGA-4042      | Fluid Inlet, Gasket, Nut Kit      | 1               |
| ●36      | —         | —             | Retaining Clip                    | 1               |
| ●37      | —         | —             | Seal                              | 1               |
| ●38      | —         | —             | Pin                               | 1               |
| 39       | 192229    | GTI-428-K5    | Clip, Seal & Pin (Kit of 5 Each)  | 1               |
| 40       | 190828    | JGA-132       | Plug                              | 1               |
| 41       | 192228    | GTI-415       | Air Adjusting Valve (Optional)    | 1               |

# JGA® CONVENTIONAL PRESSURE FEED GUN

# JGA®

## High Production, High Performance

## Worldwide choice for large area refinishing

| Order No. | Model No.      | Type | Fluid Tip (mm) | Inlet Pressure | Application                    | Fluid Flow    |
|-----------|----------------|------|----------------|----------------|--------------------------------|---------------|
| 110274    | JGA-504-777-14 | CNV. | 1.4            | 50-80 PSI      | High solids<br>fleet materials | 9-17 oz./min. |

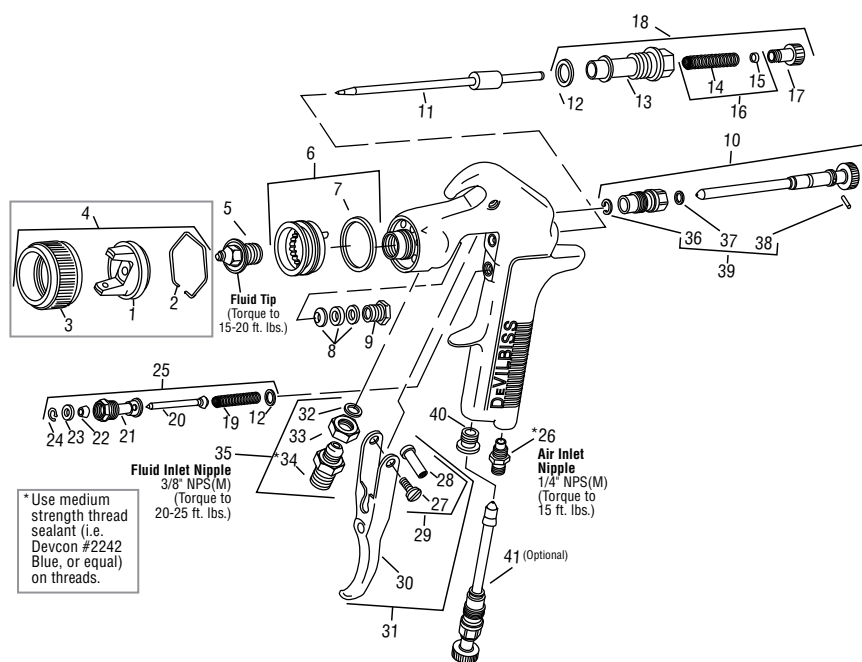
CNV. = Conventional

### JGA® Conventional Pressure Feed Air Cap

|                 |                                                                                             |                                   |                              |
|-----------------|---------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|
| #777<br>air cap | High solids<br>Air Cap Order No.<br>Air Cap Model No.<br>50-80 PSI inlet<br>Fluid tip 1.4mm | 192066<br>AV-440-777<br>17-25 CFM | Air Cap<br>Pattern<br>11-14" |
|-----------------|---------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|



Refer to Service Bulletin: SB-2-259



### CHART 1: Air Caps, Fluid Needles & Fluid Tips

| If this no. is on air cap, order → | Air Cap with Ring (Ref. No. 4) | Fluid Needle (Ref. No. 11) | Fluid Tips Used (Ref. No. 5) |
|------------------------------------|--------------------------------|----------------------------|------------------------------|
| 765                                | 192310<br>AV-440-765           | 192311<br>GTI-449-12       | 192168<br>AV-213-12          |
| 777                                | 192066<br>AV-440-777           | 192311<br>GTI-449-12       | 192170<br>AV-213-14          |

● A quantity of necessary parts is included in 192227 Repair Kit (KK-5058-2) for complete gun repair and should be kept on hand for service convenience.

**Suffixes:** -K5 designates kit of multiple parts.  
Example: JGA-4035-K5 is a kit of 5 packings.

| Ref. No. | Order No.   | Model No.     | Description                           | Ind. Parts Req. |
|----------|-------------|---------------|---------------------------------------|-----------------|
| 1        | —           | —             | Air Cap                               | 1               |
| 2        | 191972      | JGA-156-K10   | Spring Clip (Kit of 10)               | 1               |
| 3        | 192042      | GTI-3         | Air Cap Retaining Ring                | 1               |
| 4        | See Chart 1 | —             | Air Cap & Retaining Ring              | 1               |
| 5        | See Chart 1 | —             | Fluid Tip                             | 1               |
| 6        | 192178      | GTI-425       | Baffle Assembly                       | 1               |
| ●7       | 192179      | GTI-33-K5     | Baffle Seal (Kit of 5)                | 1               |
| ●8       | 192109      | JGA-4035-K5   | Packing (Kit of 5)                    | 1               |
| 9        | 190893      | 34411-122-K10 | Packing Nut (Kit of 10)               | 1               |
| 10       | 192051      | GTI-405       | Spreader Valve Assy                   | 1               |
| 11       | See Chart 1 | —             | Fluid Needle                          | 1               |
| ●12      | 190161      | JGS-72-K10    | Gasket (PTFE) (Kit of 10)             | 2               |
| 13       | —           | —             | Body Bushing                          | 1               |
| ●14      | —           | —             | Fluid Needle Spring                   | 1               |
| ●15      | —           | —             | Spring Pad                            | 1               |
| 16       | 190894      | MBD-19-K10    | Spring & Pad (Kit of 10)              | 1               |
| 17       | 192043      | GTI-414       | Needle Adjusting Screw                | 1               |
| 18       | 192139      | KK-5059       | Bushing, Spring, Pad & Knob Kit       | 1               |
| ●19      | —           | —             | Air Valve Spring                      | 1               |
| ●20      | —           | —             | Air Valve                             | 1               |
| 21       | —           | —             | Air Valve Body                        | 1               |
| ●22      | —           | —             | U Cup Seal                            | 1               |
| ●23      | —           | —             | Washer                                | 1               |
| ●24      | —           | —             | Snap Ring                             | 1               |
| 25       | 190780      | JGS-449-1     | Air Valve Assembly                    | 1               |
| 26       | 190287      | P-MB-51       | Air Inlet Nipple 1/4" NPS(M)          | 1               |
| 27       | —           | —             | Trigger Stud Screw                    | 1               |
| 28       | —           | —             | Trigger Stud                          | 1               |
| 29       | 190889      | JGS-478       | Stud & Screw Kit (3 Studs & 5 Screws) | 1               |
| 30       | —           | —             | Trigger                               | 1               |
| 31       | 191943      | JGS-477-1     | Trigger, Stud & Screw Kit             | 1               |
| ●32      | —           | —             | Fluid Inlet Gasket (PTFE)             | 1               |
| 33       | —           | —             | Locknut                               | 1               |
| 34       | —           | —             | Fluid Inlet Adapter                   | 1               |
| 35       | 190888      | JGA-4042      | Fluid Inlet, Gasket & Nut Kit         | 1               |
| ●36      | —           | —             | Retaining Clip                        | 1               |
| ●37      | —           | —             | Seal                                  | 1               |
| ●38      | —           | —             | Pin                                   | 1               |
| 39       | 192229      | GTI-428-K5    | Clip, Seal & Pin Kit (5 Each)         | 1               |
| 40       | 190828      | JGA-132       | Plug                                  | 1               |
| 41       | 192228      | GTI-415       | Air Adjusting Valve (Optional)        | 1               |