



## VIPER (E) 4 FLAVOR

### ILLUSTRATED PARTS LIST



Classic model



Carbon model

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This document contains the original instructions for the unit described.

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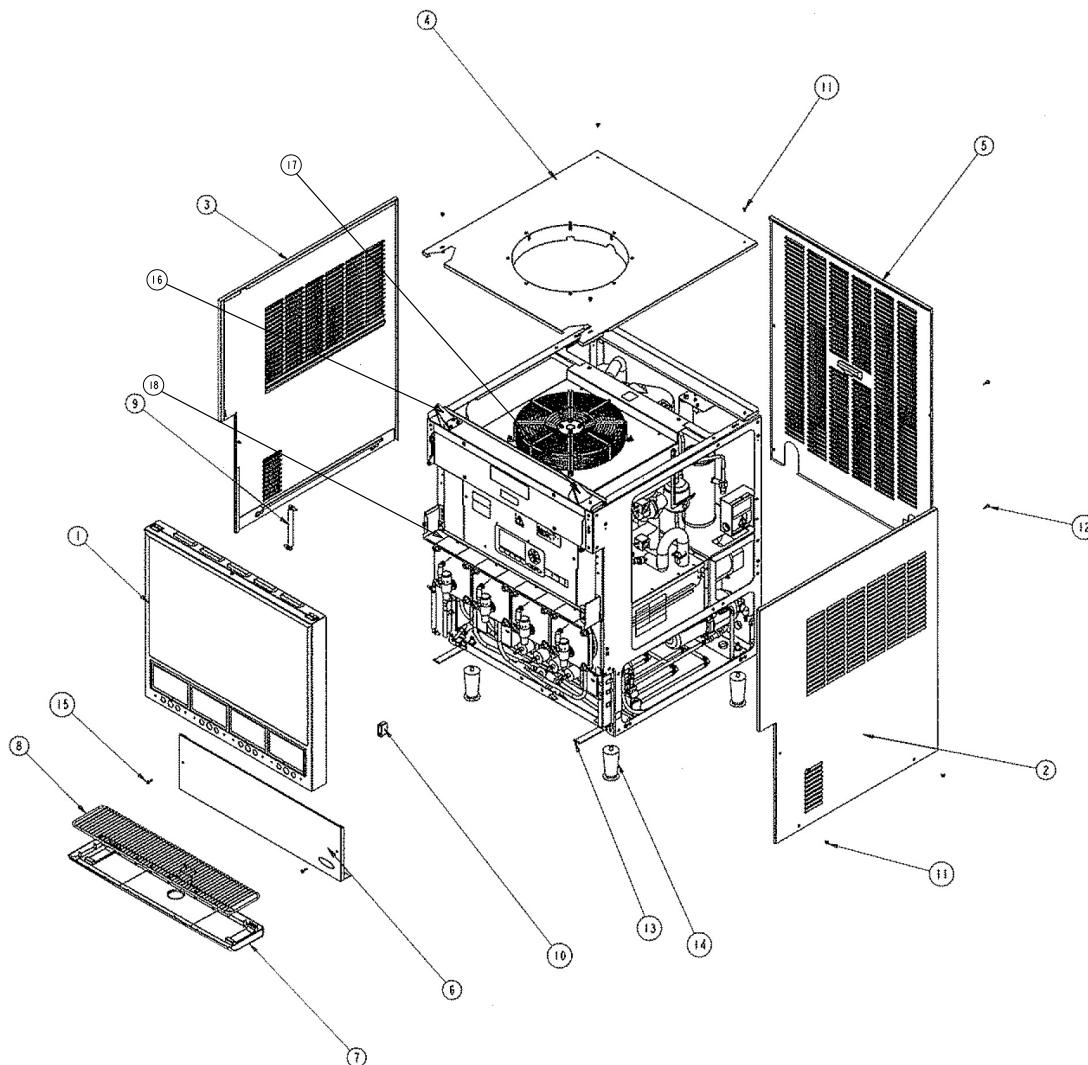


Figure 1. Cladding Assembly Classic model

Table 1. Cladding Assembly Classic model

Item	Part No.	Description
1	620045246	Merchandiser Assy (See Figure 9.)
	620047362	Merchandiser Assy - Short (See Figure 9.)
2	620054965	Side Panel Right
3	620054964	Side Panel Left
4	620048672	Top Panel 4FL -SS
	620049770	Top Panel 4FL - SS (For Short Merchandiser, Not Shown)
5	620045257	Rear Panel 4FL - SS
6	629096980	Kit-Splash Panel 4FL
	629096981	Kit-Splash Panel 4FL ICEE
	629096978	Kit-Splash Panel 4FL - Extended (Not Shown)
7	620045269	Drip Tray -4FL
8	620045270	Cup Rest -4FL
9	620042793	Strut Gas Lift 3/4FL Viper
10	560001783	Latch Door 2 Piece PLSTC

Table 1. Cladding Assembly Classic model

Item	Part No.	Description
11	620045298	Screw 10-32 X 3/8" Type F TRPH STZ1
12	620045297	Screw 10-32 X 3/4" Type F TRPH STZ1
13	620054014	Brkt, Mounting Tray Drip Viper
14	70970	Leg 4.00" Adj. 3/8-16 Stud
15	620720840	Screw Mach. 10-32 X 3/4" SS
16	620053880	Brkt Hinge Mtg Left 2fl Viper
17	620053881	Brkt Hinge Mtg Right 2fl Viper
18	620042842	Diffuser Downlight Merchndsr 2fl Viper
*	620043063	Cord Service 230v 30a

\* Indicates Not Shown

**NOTE: When switching merchandiser types (Item #1), correct top panel must also be used. Order Item #4, if necessary.**

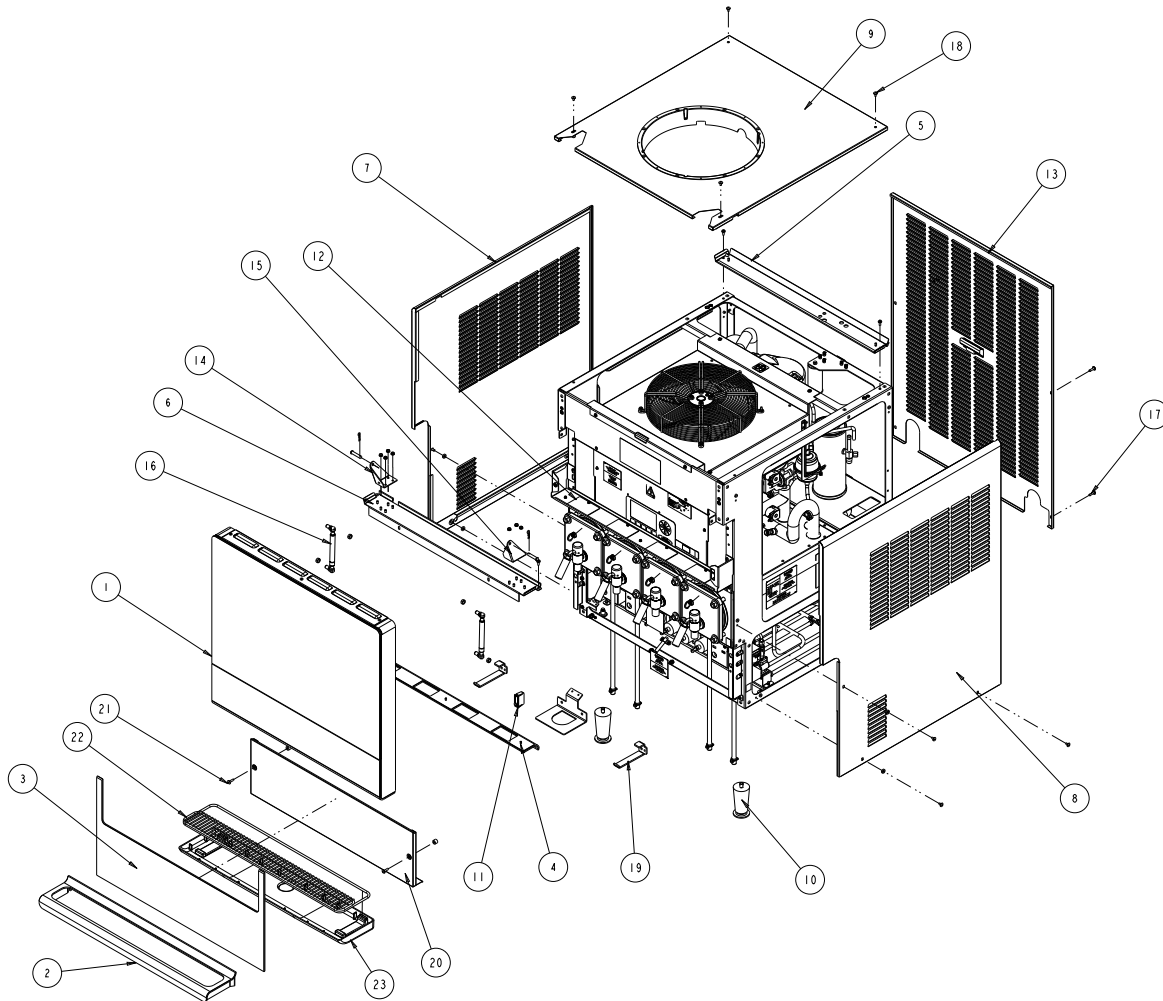


Figure 2. Cladding Assembly Carbon model

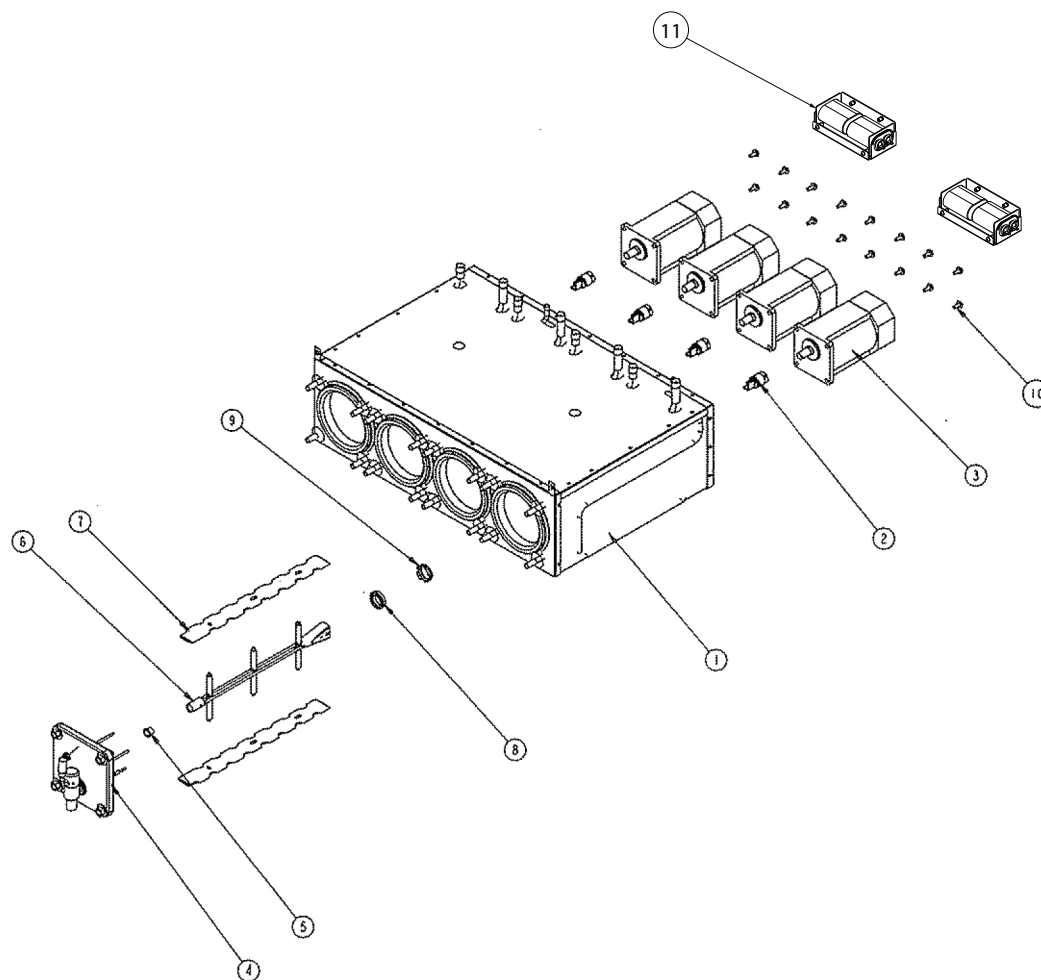
Table 2. Cladding Assembly Carbon model

Item	Part No.	Description
1	620062755	Door Merchndsr Tall, Viper Elite Carbon 4fl (See Figure 10.)
2	620063112	Cladding Drip Tray Bonding Assy 4fl Viper Elite Carbon
3	620063116	Splash Panel Bonding Assy Viper Elite Carbon 4fl
4	620063310	Trim Barrel Cladding Bonding Assy 4fl Viper Elite Carbon
5	620063395	Brkt Mtg Rear Top 4fl Viper Elite Carbon
6	620063409	Brkt Mtg Front Top 4fl Viper Elite Carbon
7	620063410	Panel Side Left Viper Elite Carbon 4fl
8	620063411	Panel Side Right Viper Elite Carbon 4fl
9	620063540	Panel Top Cover Assy 4fl, Viper Elite Carbon
10	70970	Leg 4.00"Adj 3/8-16 Stud
11	560001783	Latch Door, 2 Piece Plastic

Table 2. Cladding Assembly Carbon model

Item	Part No.	Description
12	620042842	Diffuser Downlight Merchndsr 2fl Viper
13	620045257	Panel Rear Assy 4fl Viper
14	620053880	Brkt Hinge Mtg Lt 2fl Viper
15	620053881	Brkt Hinge Mtg Rt 2fl Viper
16	620054952	Strut Gas 2fl Viper
17	620045297	Screw 10-32 X 3/4"Type F Trph Stz1
18	620045298	Screw 10-32 X 3/8"Type F Trph Stz1
19	620054014	Brkt Mtg Tray, Drip 2fl Viper
20	629097542	Kit splash panel viper Elite Carbon 4fl
21	620720840	Screw Mach 10-32 X 3/4" Ss
22	620063143	Cup Rest 4fl
23	620045269	Drip Tray 4fl
*	620043063	Cord Service 230v 30a

\* Indicates Not Shown.



**Figure 3. Foam Pack/Drive Assembly**

**Table 3. Foam Pack/Drive Assembly**

Item	Part No.	Description
1	629096941	Kit-Serv Foam Pack Viper 4 Barrel
2	629096854	Kit-Adapter Drive Shaft w/Set Screw & Dowel
3	620314938	Motor- Gear Viper 220v 50/60hz 4 Capac 180 Rpm
4	560004631	Door Frz Cyl Assy. Kit SPH (See Figure 4.)
	620057726	Door Frz Cyl Assy Kit Sph Ada
	620045519	Door Frz Cyl Assy. Kit Motorman (See Figure 4.)
5	2392	Bushing Split Flange .5011D NYL
6	620715735	Body Beater Viper
7	620049806	Blade Scraper Freeze Cyl Viper

**Table 3. Foam Pack/Drive Assembly**

Item	Part No.	Description
8	620045383	Seal Viper Barrel (Pack of 10)
	620043064	Seal Rotary Rubber Viper (Single)
9	620043162	Spacer Plastic for Utex Seal Viper
10	560003345	Bolt Mach 1/4-20 X 5/8" Slotted Hex STZ1
11	629097287	Kit Motor Run Capac. Vpr 4fl 60hz
	620057820	Capacitor Motor Run Viper 60hz
*	620052296	Plate Motor Mounting

\* Indicates Not Shown.

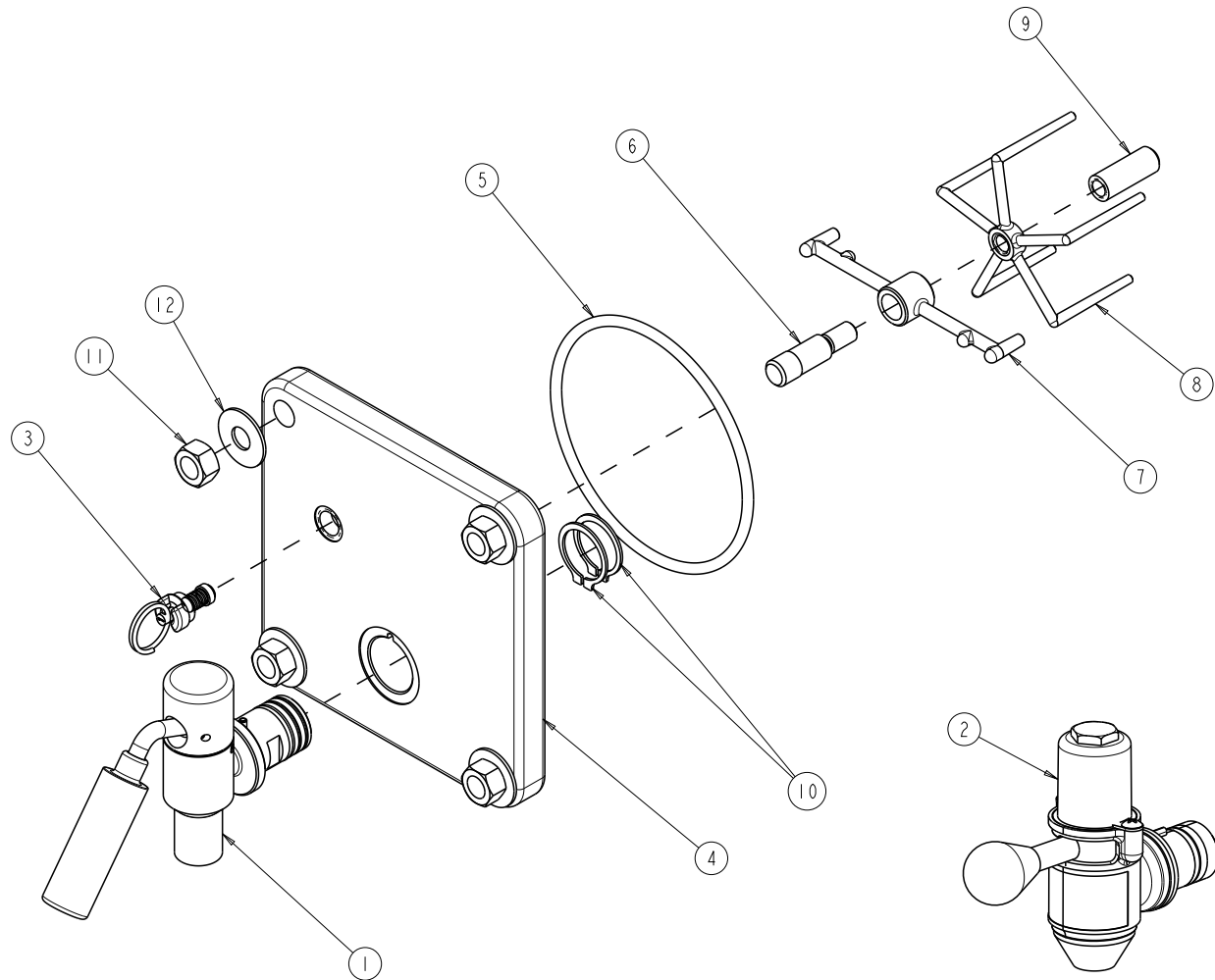


Figure 4. Faceplate Assembly

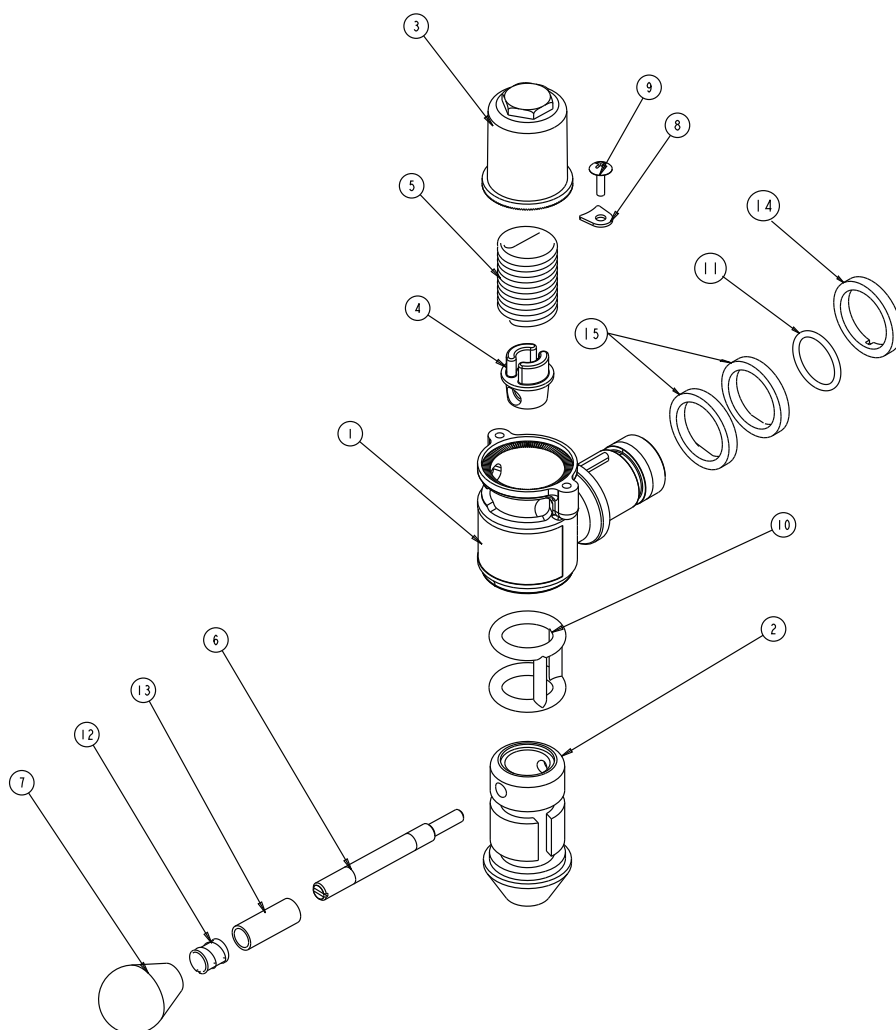
Table 4. Faceplate Assembly

Item	Part No.	Description
1	629097266	Kit Sph-valve Replacement-ada
	629096997	Kit Sph-valve Replacement
2	620045520	Valve Disp Assy Motorman (See Figure 5.)
3	325954000	Stem Assy R-Val FCB
4	325918000	Door Frz Cyl 2FCB Va
5	320678000	O-Ring 4.60ID 210CS 70DU EY-P
6	2361	Shaft Pivot Faceplate FCB V3+
7	321269001	Spinner Frz Cyl

Table 4. Faceplate Assembly

Item	Part No.	Description
8	322441000	Sensor Visc Mld
9	2358	Pin Beater Bar FCB V3+
10	620047188	Retaining Ring
11	320553001	Nut Hex 7/16-14 Brch
12	320916000	Washer Ft 450 1.1 062 Ss
*	321653000	O-Ring 862ID 103CS 70DU EY-P
*	620047347	Kit SPH-Valve Repair
*	629096997	Kit SPH-Valve Replacement
*	321652000	Nut- Shank 1-1/16 - 16THD

\* Indicates Not Shown.



**Figure 5. Motorman Valve Assembly**

**Table 5. Motorman Valve Assembly**

Item	Part No.	Description
1	620046168	Body Valve FCB w/Stop
2	1554	Body Valve Ribbed
3	1576	Housing Spring FCB Valve
4	1575	Retainer Spring Valve
5	325305000	Spring Torsion HC FCB
6	321651000	Lever Valve
7	1555	Knob White
8	325647000	Plate Val FCB

**Table 5. Motorman Valve Assembly**

Item	Part No.	Description
9	317784000	Screw, TC 08-18 TRPH 16 SSPA 25
10	2818	O-Ring Caged FCB Val
11	321653000	O-Ring 862ID 103CS 70DU EY-P
12	1544	Spring Compression .500LG .42OD SS
13	1543	Tube Release .438OD.049 Wall
14	321652000	Nut-Shank 1-1/16-16Thd
15	325936000	Spacer Val 2F FCB VA
*	322859000	Tool-wrench Spanner

\* Indicates Not Shown.

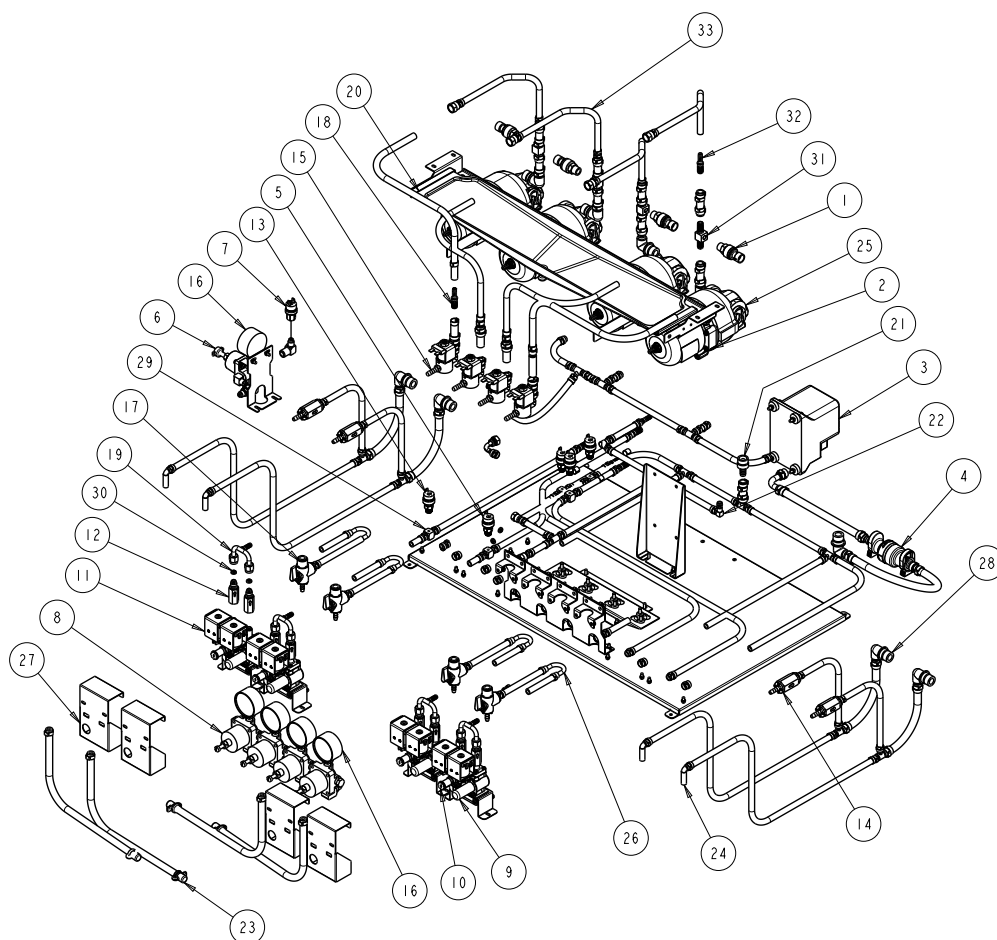


Figure 6. Product Delivery System

Table 6. Product Delivery System

Item	Part No.	Description
1	620059116	Transducer Barrel Fill Viper
	629097387	Kit 4 Barrel Fill Transducer Viper
2	620061583	Tank Expansion 21.50 Oz FLOJET
	629097390	Kit Viper Expansion Tank
3	629096937	Kit-Pump Water FLOJET
4	620054693	Reg Water 30 PSIG W 3/8 Fittings
5	620043083	Switch Sold Out Water - Viper
6	183446016	Reg S SQ 60 RV CRTN
7	620313290	Switch Sold Out CO2 - Viper
8	183460016	Reg S SQ 30 ORA CTN
9	620608747	Valve Solnd Assy Wtr 0.82GPM
10	620608746	Valve Solnd Assy Syr 0.21GPM
11	620313722	Solenoid Pull 24VAC 50/60 C.D.
12	560002991	Valve Chk 7/16F X 7/16M CHUD
13	620313291	Switch Sold Out Syrup - Viper
14	620609162	Valve Chk 1/4 BARB (2) SMC
15	620609161	Valve Sol CO2 Mtr KIP
16	183287000	Gage 60PSI 400KPA
17	620609164	Valve Shut Off 3-Way
18	620716343	Orifice .030ID SS
19	620720662	Fitg U-Brb 1/4 X 1/4 FL (2)

Table 6. Product Delivery System

Item	Part No.	Description
20	620522949	Condensation Tray
21	620720673	Fitg Barb 3/8 X Port SS FLOJET
22	620720672	Fitg Co2 L-brb 1/4 X Port Br Flojet
23	620047684	Cap Vinyl .437 Id With Tether
24	620720663	Fiting-Push L 3/8 Stem X 1/4 Barb
25	620061927	Insulation W/adhes Mini Exp Tank Viper
26	77900300	Tube U 1/4 Barb(2) SS
27	620045337	Cover Flow Control Solenoid Viper
28	620720658	Fitg L-Brb 10/13MM X Port FLO-JET
29	5083	Fitg T-BRB 1/4(2) X 1/8FPT SS
30	178025100	Gasket 1/4 Male Flare Fitg
31	560002700	Gasket 1/4 Male Flare Fitg
32	77040700	Splicer Barb 250 X 375 Stn Stl
33	620059276	Tube Asy Product Barrel Inlet Vpr
*	174292100	3/8" Beverage Tubing X 100' Roll
*	174478100	1/4" Beverage Tubing X 100' Roll
*	183099000	Kit Repair Reg. Secondary
*	620709068	Fitg L-mix 1/4brb X 1/4 SS

\* Indicates Not Shown

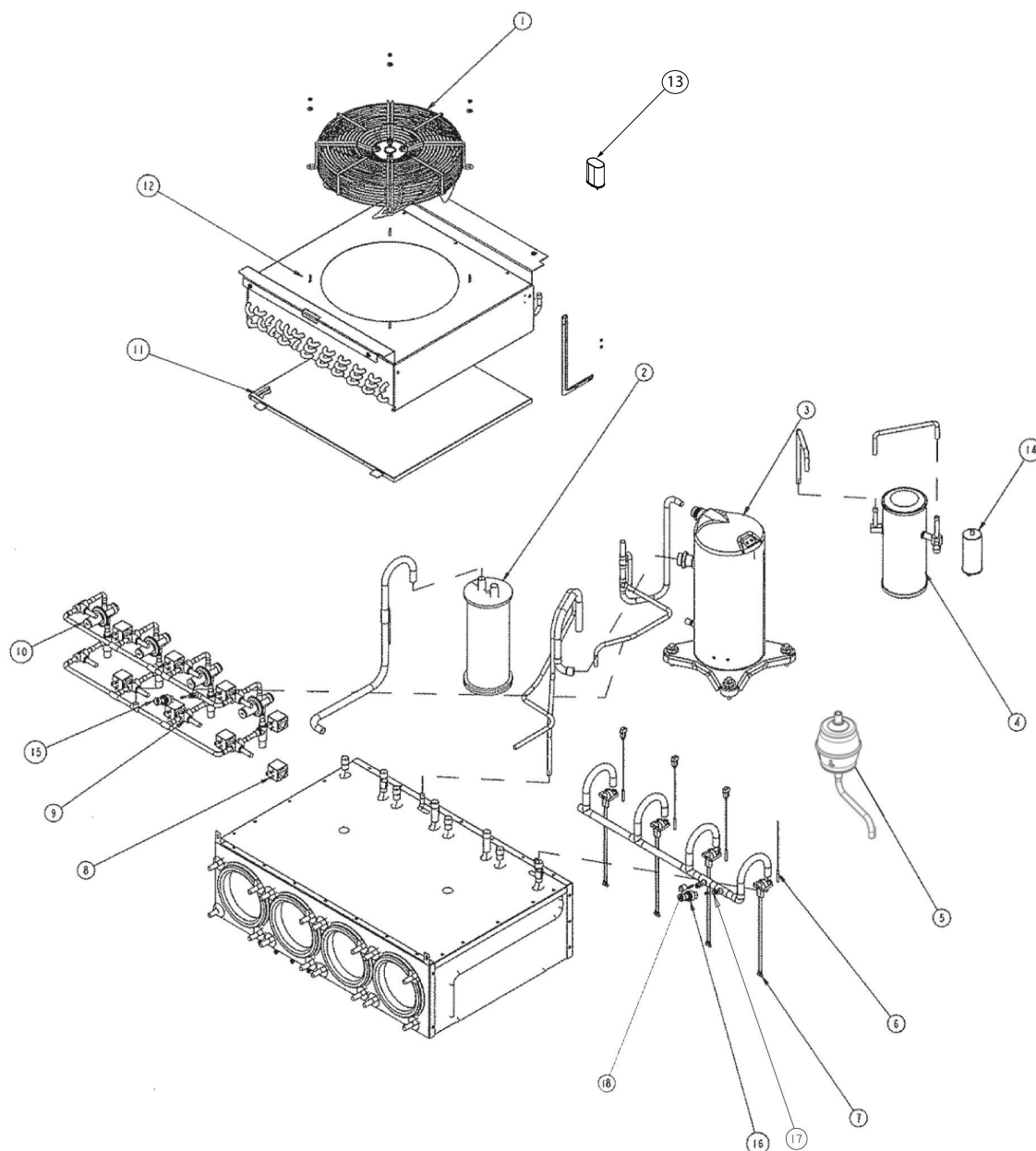


Figure 7. Refrigeration System

Table 7. Refrigeration System

Item	Part No.	Description
1	629096902	Kit Condenser Fan Viper 50/60Hz
2	620045372	Accum Suction Foamed Viper
3	629096901	Kit-Comp Scroll Copeland 404A 60 Hz - ZB19
4	620045290	Receiver, 90Cu In.
5	60686	Dryer 27 IN3 Sngl 381ID R404
6	629096938	Kit-Sensor Thermistor 5K Ohm Viper
7	629096942	Kit-Sw. Therm. C/O Leaded Set 120F TOC
8	620313726	Solenoid Coil EVU 24VAC 50/60HZ
9	620609157	Valve, Solenoid EVU-3 Hot Gas & Liquid Line

Table 7. Refrigeration System

Item	Part No.	Description
10	620609156	Valve, Expansion Automatic A7-B
11	620608618	Filter, Air 18.00" X 19.00" 4 FL Viper
12	620608016	Cond-Coil Assy - 4 FL Viper
13	620057820	Capacitor Motor Run Viper 60hz
14	620314319	Cap., Run 45uF 370VAC Stud-Mnt
15	620314540	Sensor Transducer 500 PSI Refrig
16	620314539	Sensor Transducer 300 PSI Refrig
17	2636	Core Access Valve
18	315499000	Cap Quick Seal 1/4



### Table 8. E-Box Assembly

Item	Part No.	Description
*	629096930TC	Kit, Language Chip - Chinese Traditional UI Software Ver. 2 (not shown)
*	629096930SC	Kit, Language Chip - Chinese Simple UI Software Ver. 2
*	629096931TC	Kit, Language Chip - Chinese Traditional UI Software Ver. 3
*	629096931SC	Kit, Language Chip - Chinese Simple UI Software Ver. 3
*	629096931KR	Kit, Language Chip - Korean UI Software Ver. 3
*	629096931SP	Kit, Language Chip - Spanish UI Software Ver. 3
*	629096931JP	Kit, Language Chip - Japanese UI Software Ver. 3

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**Table 9. Harness Assemblies (Not Shown)**

Item	Part No.	Description
*	620043061	Harness Main E-Box to Merchandiser W/24VAC
*	620043067	Harness, Secondary, Exp Transformer
*	620046515	Harness, Thermister Inputs
*	620046516	Harness, Limit Switch Inputs
*	620046517	Harness, LV AC Outputs
*	620045291	Harness, Motor Ground
*	620323247	Harness, Main E-Box IO PCBA to 24VAC Strip
*	620323348	Harness, Main E-Box Mtr Cont PCBA to Motor 1
*	620323657	Harness, Main Power E-Box 240VAC Pwr Sply
*	620323663	Harness, Mn E-Box IO PCBA to LCD Usr Intrfc PCBA
*	620323664	Harness, Mn E-Box 24VAC Strip to Mtr PCBA
*	620323665	Harness Pwr E-Box IO PCBA to Mtr Cntrl PCBA, Comm
*	620323667	Harness, Mn E-Box Mtr Cntrl PCBA to 24VAC Sply Pwr E-Box
*	620323668	Harness, Mrchdsr Mn LED Stat to Extnr LED Stat
*	620323669	Harness, Pwr. E-Box 240VAC Compr Cap
*	620323670	Harness, Pwr E-Box 240VAC Compr Cont.
*	620323700	Harness, Mn E-Box to TCO
*	620323706	Harness, Mn E-Box Mtr Cntrl PCBA to Motor 2
*	620323717	Harness, Mn E-Box Mtr Contrl PCBA to Motor 3
*	620323729	Harness, Dual Pres. Transducer
*	620323731	Harness, Condenser Fan, Long
*	620323732	Harness, Compressor Pwr, Long
*	620323733	Harness, Primanry, Second Transformer
*	620323738	Harness, Mn E-Box to Mn Transformer
*	620046535	Harness, Mn E-Box to Motor Cntrl PCBA to Motor 4
*	620056073	Harn Barrel Fill Switch
*	620047350	Harn Press Sensor Packard To Molex Mirco-fit 3.0 30"
*	620047351	Harn 24vac 1/4" Fast-ons To Amp Mate-n-lock 36"

\* Indicates Not Shown.

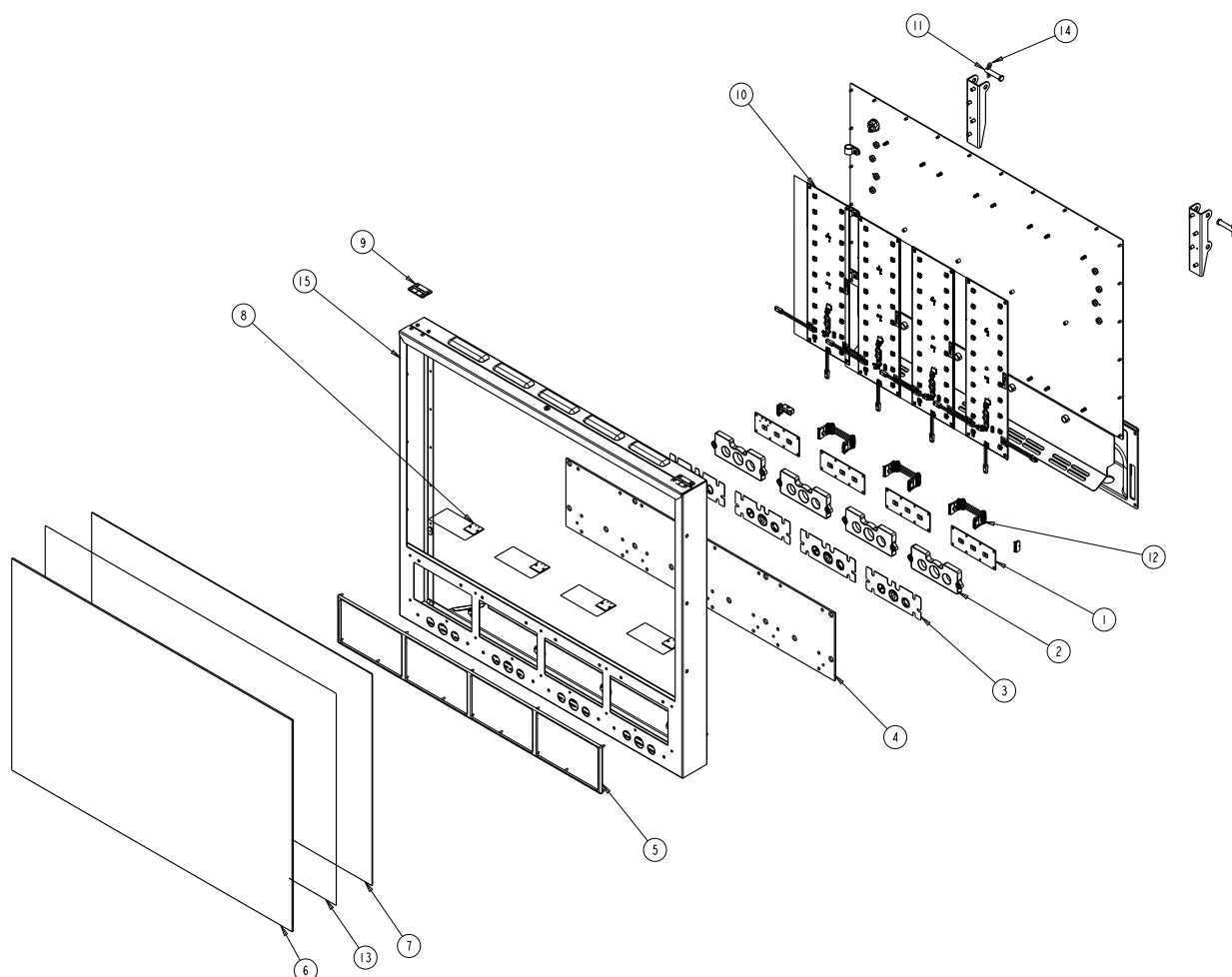


Figure 9. Merchandiser Assembly Classic model

Table 10. Merchandiser Assembly Classic model

Item	Part No.	Description
1	620314875S	Kit-Board Viper Ctl_Barrel Status Extender
2	620518917	Plate Mtg Viper Ctl Barrel Status
3	620928781	Graphic Board Viper Ctl Barrel Status
4	620045266	Diffuser Flavor Card 4FL Viper
5	620045252	Display Flavor Card CT PCL
6	620045265	Lens Graphic Merchandiser 4FL Viper
	620047449	Lens Graphic Merchandiser 4FL Viper - Short (Not Shown)
7	620045264	Diffuser Merch Tall 4fl Vpr
	620047450	Diffuser Merchndsr Short 4fl Vpr
8	620521775S	Kit-Merchandiser Assy Downlight PCBA
9	629096926	Kit-Hinge Plastic Merchandiser 4FL Viper 2Pcs
10	620061825	Merchndsr Assy Backlight Pcba W/ led Circuit
	629097426	Kit Led Backlight Merch 4 FI Viper
11	629096936	Kit-Pin Hinge 4FL Viper 2Pcs

Table 10. Merchandiser Assembly Classic model

Item	Part No.	Description
12	620323668	Harness Main LED Status to Extender LED Status
13	620046477	Graphics Viper 4FL
	620047323	Graphics Viper 4FL - Short
14	398034400	Pin Htch 080d 1.562 Stzi
15	620047364	Merchndsr Short Box 4fl Vpr
	620050228	Merchndsr Box 4fl Viper Tall
*	620042868	Flavor Card - 18 Card Set
*	620046771	Hinge for Short Merchandiser Viper
*	620314874S	Kit-Board 4FL Viper Ctl_Barrel Status
*	620046779	Brkt Top For Short Merch 3/4fl Vpr
*	620048036	Screw Ma 08-32 Fhms 16 Ss
*	70076	Nut Hex 08-32 Stca Keps 1/8
*	620061826	Harn Merchndsr Viper Led Backlight

\* Indicates Not Shown.

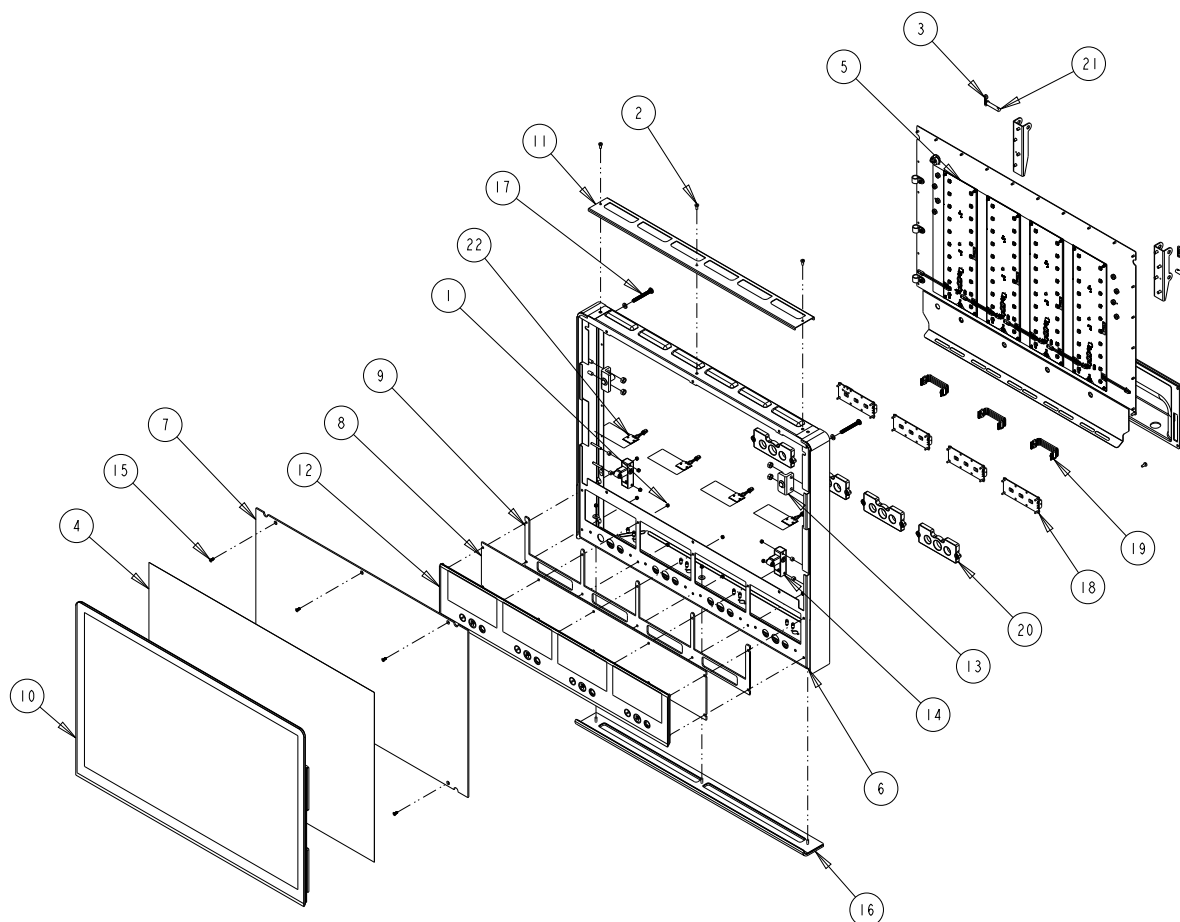


Figure 10. Merchandiser Assembly Carbon model

Table 11. Merchandiser Assembly Carbon model

Item	Part No.	Description
1	70076	Nut Hex 08-32 Stca Keps 1/8
2	70171	Screw Ma 08-32 Trph 12 Ss
3	398034400	Pin Htch 080d 1.562 Stzi
4	620046477	Graphics 4fl Vpr Tall Merchndsr
5	620061825	Merchndsr Assy Backlight Pcba W/ led Circuit
	629097426	Kit Led Backlight Merch 4 Fl Viper
6	620062690	Merchndsr Box Weldmnt Assy, Viper Elite Carbon 4fl
7	620062693	Diffuser Merchandiser 4fl, Viper Elite Carbon
8	620062694	Diffuser Flvr Card 4fl, Viper Elite Carbon
9	620062699	Holder Flavor Card Viper Elite Carbon 4fl
10	620062701	Merchndsr Shutter Bonding Assy Viper Elite Carbon 4fl
11	620062704	Cladding Top Merchndsr Viper Elite Carbon 4fl
12	620063243	Merchndsr Flvr Card Bondg Assy Viper Elite Carbon 4fl
13	629097535	Kit-Plunger Spring Press Fit Assy, Viper Elite Carbon

Table 11. Merchandiser Assembly Carbon model

Item	Part No.	Description
14	629097536	Kit-Torsion Spring Stopper Assy, Vpr Elite Crbn
15	620063386	#8-32 X 3/8 Countersunk Screw
16	620063651	Merchndsr Bottom Trim Bonding Assy Viper Elite Carbon 4fl
17	620064309	Screw 1/4"-20, Lg 2.25", Pan Head Phillips
18	620314875S	Kit Board Viper Ctl_barrel Status Extender
19	620323668	Harn Merchndsr Main Led Status
20	620518917	Plate Mtg Viper Ctl Barrel Status
21	629096936	Kit-Pin Hinge 4FL Viper 2Pcs
22	620521775S	Kit-Merchandiser Assy Downlight PCBA
*	620042868	Flavor Card - 18 Card Set
*	620314874S	Kit-Board 4FL Viper Ctl_Barrel Status
*	620046779	Brkt Top For Short Merch 3/4fl Vpr
*	620048036	Screw Ma 08-32 Fhms 16 Ss
*	70076	Nut Hex 08-32 Stca Keps 1/8
*	620061826	Harn Merchndsr Viper Led Backlight

\* Indicates Not Shown.





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