

Effective: HY25-2249-M1/US May 15, 2023
Supercedes: HY25-2249-M1/US September 15, 2022



Power Take-Offs Parts List

249, 249V Series



WARNING – User Responsibility

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249 Series

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249V Series

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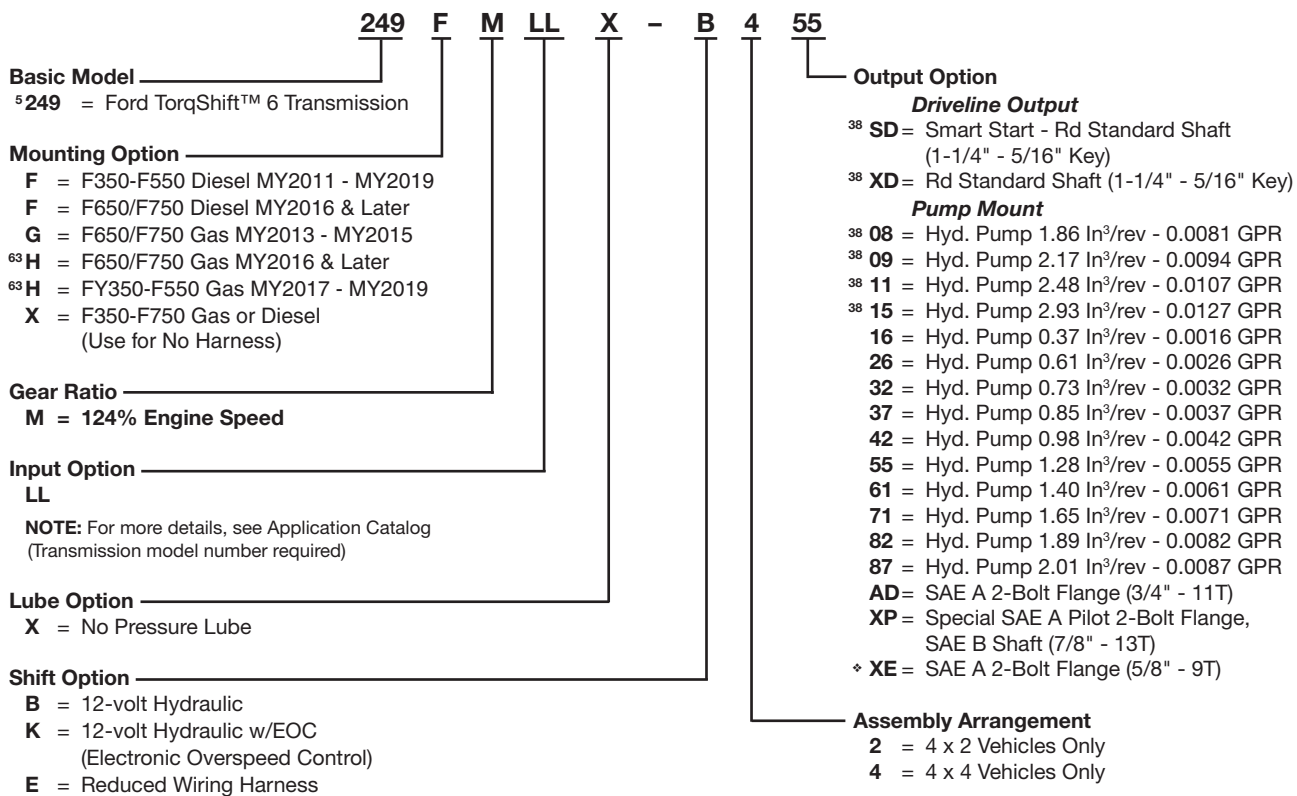
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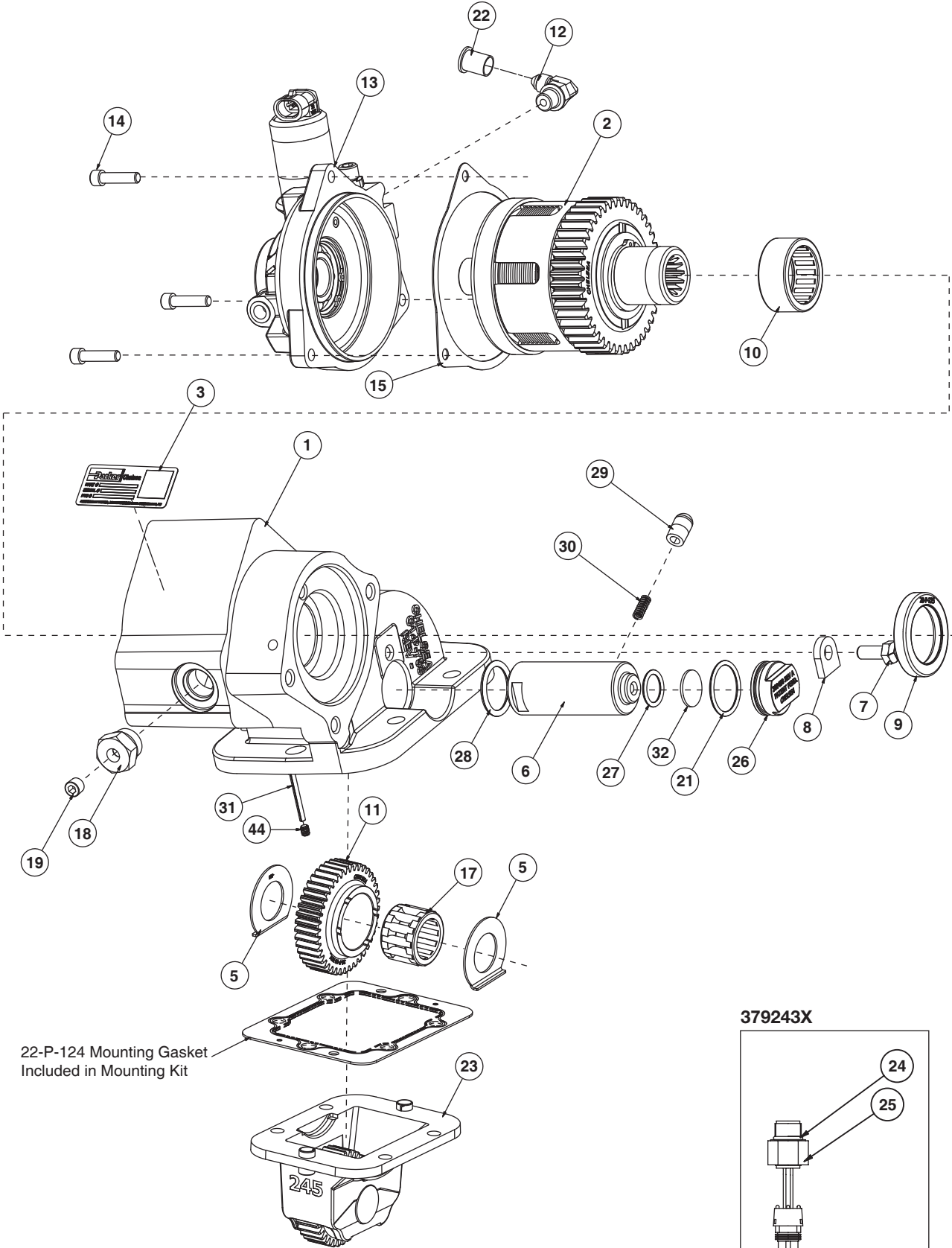
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Model Number Designator

⁵ Automatically pressure lubed³⁸ 4 x 2 vehicles only⁶³ Includes wiring harness with high temperature loom and heat shield

✦ No longer a current option per Chelsea Suggested List Price.



Bill of Materials**Parts List
249 Series**

Item	Part Number	Description	Qty.
1	1-P-759	Housing (3 Arrangement) (w/5/16 Bearing Cap Bolts)	1
2	See page 8	Drive Shaft & Clutch ASSY	1
3	68-P-51-1	Adhesive Label	1
5	31-P-155	Washer Thrust (1.280" x 2.300" x .064")	2
6	9-P-128	Shaft Idler (1.260")	1
7	378430-8	Hex Head Cap Screw (.312"-18 x .750")	1
8	27-P-9	Plate Lock	1
9	28-P-225	Oil Seal (2.004" x 1.375" x .315")	1
10	561030	Needle Roller Bearing ASSY (1.375" x 1.750 x .750")	1
11	33-P-92	Gear Reverse Idler 41T	1 or
	33-P-88	Gear Reverse Idler 41T	1
12	✦ 379486	Elbow 90° (.438"-20)	1
13	See pages 5 & 6	Valve Cap ASSY	1
14	379431-6	Socket Head Cap Screw (.250"-20 x 1.000")	3
15	22-P-123	Gasket Valve Cap	1
17	561029	Needle Roller Bearing ASSY (1.260" x 1.811" x 1.260")	1
18	379242	Adapter Straight (.125"-27 x .750"-16)	1
19	379231	Plug Pipe (.125"-27)	1
N.S.	500007-29	Woodruff Key (XD Output Only)	1
21	28-P-335	O-ring (1.112" x .103")	1
22	379564-2	Cap Thread (.438")	1
23	330013X (See Pg 19)	Adapter ASSY	1 or
	329901X (See Pg 19)	Adapter ASSY	1
	✦ 379243X	Speed Sensor Kit	1
24	28-P-171	O-ring (.644" x .087") (w/EOC Only)	1
25	379243	Sensor Speed (w/EOC Only)	1
26	380458	Plug Idler (1.260")	1
27	28-P-71	O-ring (.674" x .103")	1
28	28-P-239	O-ring (1.046" x .139")	1
29	63-P-16	Poppet Shifter	1
30	37-P-73	Spring (.231" x .716")	1
31	500595-16	Slotted Pin Spring (.125" x 1.250")	1
32	31-P-140	Washer Thrust (.880" x .030")	1
44	378541-3	Socket Head Setscrew (10-24 - .250")	1
N.S.	22-P-124	Mounting Gasket	1
N.S.	69-P-28	Caution Label (E Shift Only)	1

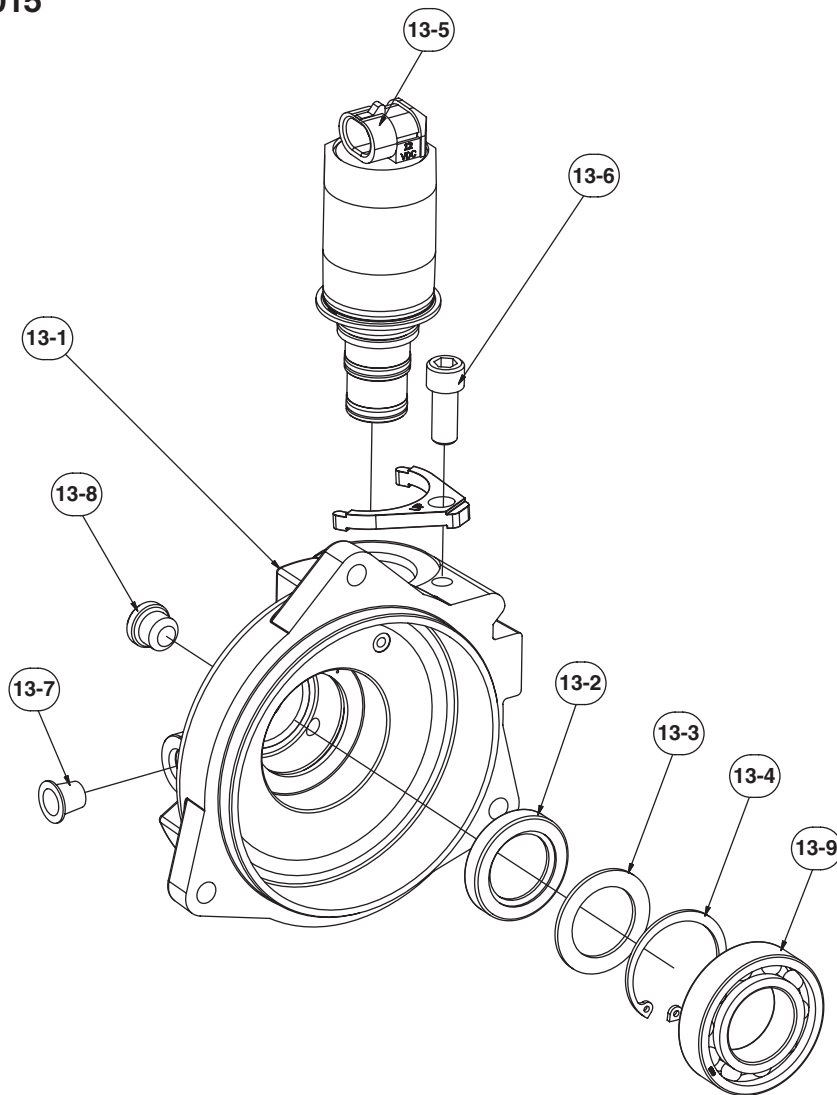
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✦ No longer a current option per Chelsea Suggested List Price.

Bill of Materials

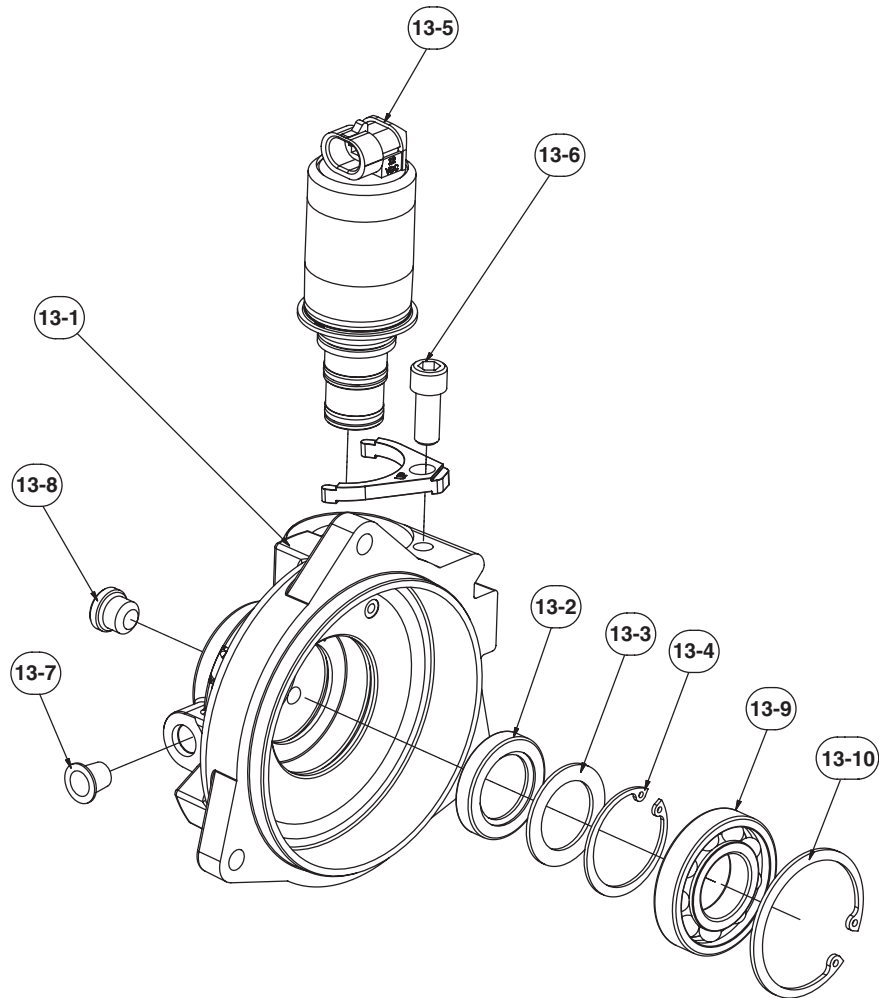
Item	Part Number	Description	Qty.
N.S.	379688	Spline Lube	1
N.S.	22-P-124	Mounting Gasket	1
	See pages 25-27 for Bill of Materials for the below loose parts.		
		GASKET KIT	
	329248-1X	Gasket & Seal Kit	
		INSTALLATION KITS	
	329248-5X	Installation & Label Kit	1
	329650X	Speed Limiter Assembly	1
	329651X	Installation & Mounting Kit (Non-EOC) (B Shift Option) (F Mount)	1
	329652X	Installation & Mounting Kit (EOC) (K Shift Option) (F Mount)	1
	329653-2X	Installation & Mounting Kit (Gas) (K Shift Option) (H Mount)	1
	329804X	Installation & Mounting Kit (Non-EOC) (B Shift Option) (G Mount)	1
	329902X	Installation & Mounting Kit (Non-EOC) (B Shift Option) (H Mount)	1
	329948X	Installation & Mounting Kit (Less Wire) (E Shift Option) (X Mount)	1
	329949X	Installation & Mounting Kit (Less Wire) (E Shift Option) (H Mount)	1
		SERVICE KITS	
	329248-2X	Bearing Kit	
	329248-3X	Clutch Repair Kit	
	329248-4X	Complete Rebuild Kit w/o Output Gear - 249 Only (Includes 329248-1X, -2X, -3X)	
	329248-8X	Complete Rebuild Kit w/Output Gear - 249 Only	
	329376-5X	Soft Goods Service Kit (CGP-P11 Pump)	

Valve Cap Assembly - 329614X**Prior to April 1, 2015**

Item	Part Number	Description	Qty.
13	329614X	Valve Cap Assembly	
13-1	21-P-720	Valve Cap	1
13-2	28-P-119	Oil Seal (1.379" x .875" x .250")	1
13-3	378811	Seal Backup Plate	1
13-4	378849	Lockring	1
13-5	380123-12	12-volt Cartridge Valve Non Regulating	1
13-6	378447-4	Socket Head Cap Screw (.312"-18 x .750")	1
13-7	500897-5	Shipping Plug	1
13-8	379484	O-ring Plug Boss (.438"-20)	1
13-9	561031	Ball Bearing (.984" x 1.850" x .472")	1

NOTE: Hydraulic Valve to include Hold Down Clamp - 380124

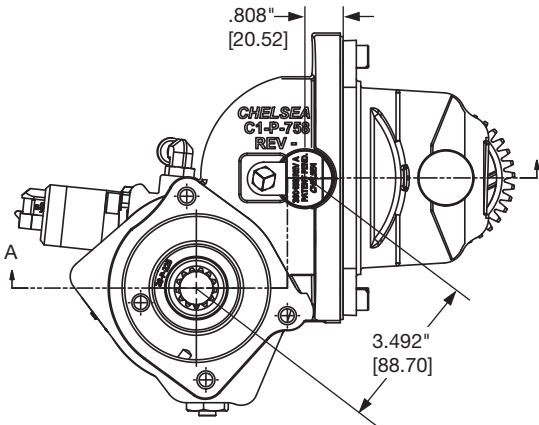
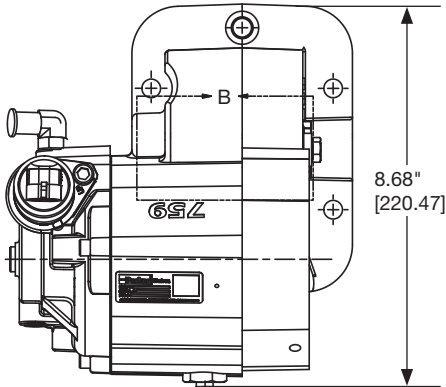
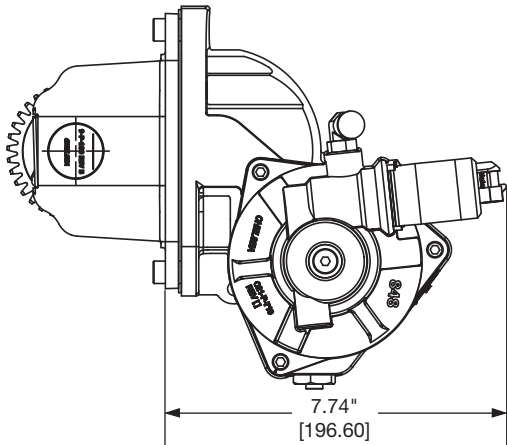
Valve Cap Assembly - 329850X
After April 1, 2015



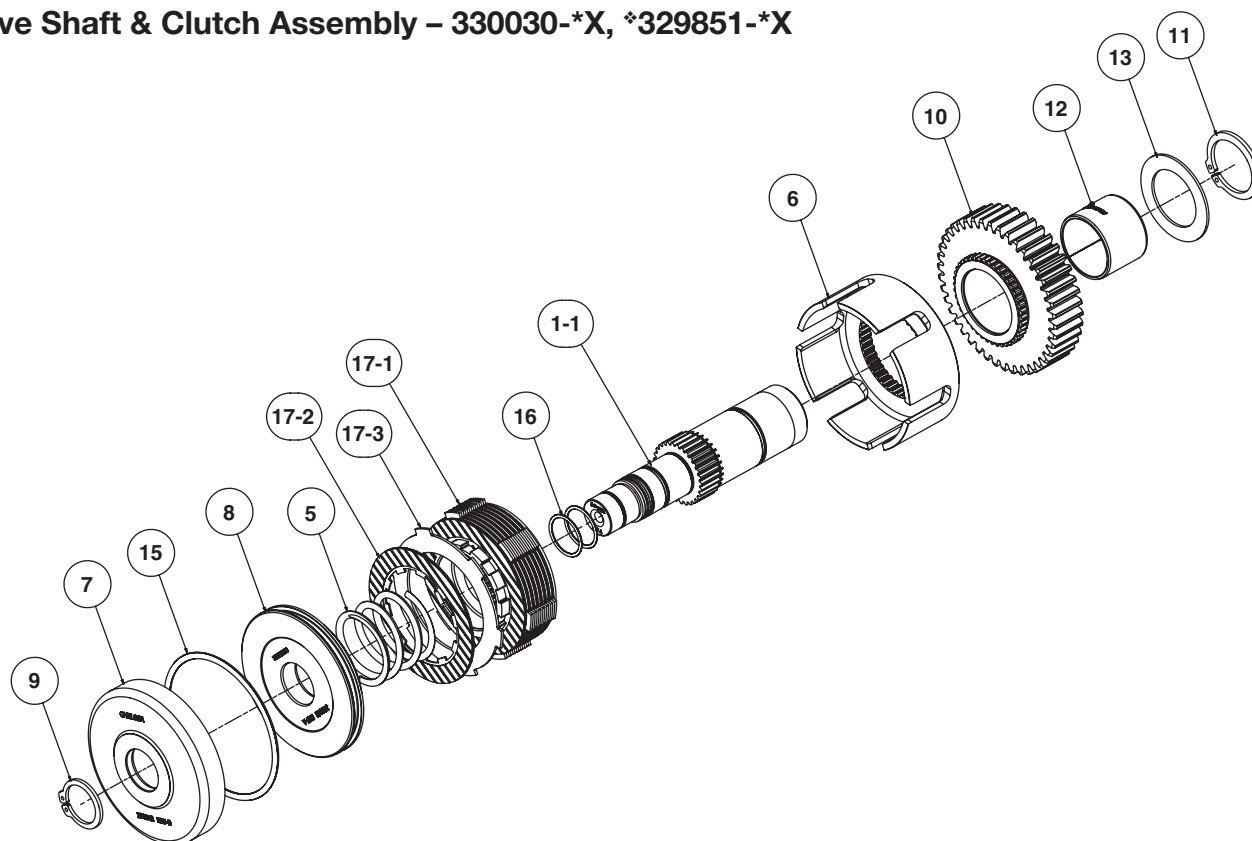
Item	Part Number	Description	Qty.
13	329850X	Valve Cap Assembly	
13-1	21-P-848	Valve Cap	1
13-2	28-P-119	Oil Seal (1.379" x .875" x .250")	1
13-3	378811	Seal Backup Plate	1
13-4	378849	Lockring.....	1
13-5	380123-12	12-volt Cartridge Valve Non Regulating	1
13-6	378447-4	Socket Head Cap Screw (.312"-18 x .750").....	1
13-7	500897-5	Shipping Plug	1
13-8	379484	O-ring Plug Boss (.438"-20)	1
13-9	561071	Ball Bearing (.875" x 1.875" x .375").....	1
13-10	379464	Internal Lockring 1.875" (See 379462)	1

NOTE: Hydraulic Valve to include Hold Down Clamp - 380124

Housing Dimensions

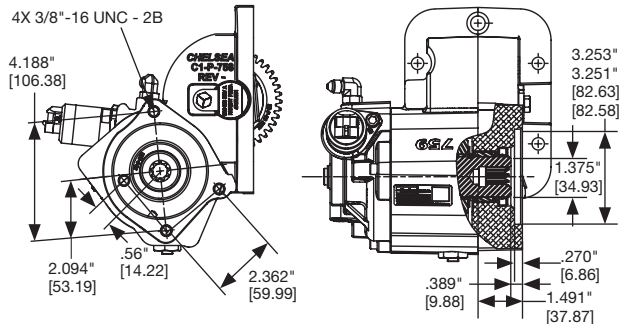


Drive Shaft & Clutch Assembly – 330030-*X, *329851-*X

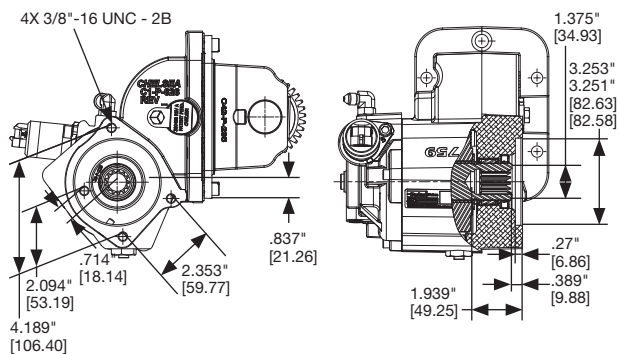


Item	Part Number	Description	Qty.
	330030-1X	Drive Shaft & Clutch ASSY (XD Output) (*329851-1X)	
	330030-2X	Drive Shaft & Clutch ASSY (XP Output) (*329851-2X)	
	330030-3X	Drive Shaft & Clutch ASSY (AD Output) (*329851-3X)	
	330030-4X	Drive Shaft & Clutch ASSY (XE Output) (*329851-4X)	
	330030-5X	Drive Shaft & Clutch ASSY (SD Output) (*329851-5X)	
1-1	3-P-1150	Shaft (XD Output 1.250" Keyed).....	1 or
	3-P-1151	Shaft (XP Output 7/8" - 13T)	1 or
	3-P-1152	Shaft (AD Output 3/4" - 11T)	1 or
	3-P-1153	Shaft (XE Output 5/8" - 9T)	1 or
	3-P-1187	Shaft (SD Output 1.250" Keyed w/Smart Start)	1
5	37-P-56	Spring (1.750" x 1.510")	1
6	380061	Bell Gear - 42T	1
7	380062	Cylinder Clutch.....	1
8	380063	Piston Clutch.....	1
9	379693	Lockring.....	1
10	2-P-994	Output Gear 42T.....	1 or
	*2-P-861	Output Gear 42T.....	1
11	378576	Lockring.....	1
12	561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
13	31-P-90	Washer Thrust (1.382" x 2.042" x .062")	1
15	28-P-288	O-ring (3.234" x .139").....	1
16	28-P-289	O-ring (.864" x .070").....	2
	329726X	Gear and Plates Kit (Includes items 17-1,17-2, and 17-3)	1
17-1	2-P-860	Clutch Hub 29T	1
17-2	379691	Disc Friction	9
17-3	380060	Clutch Plate	8

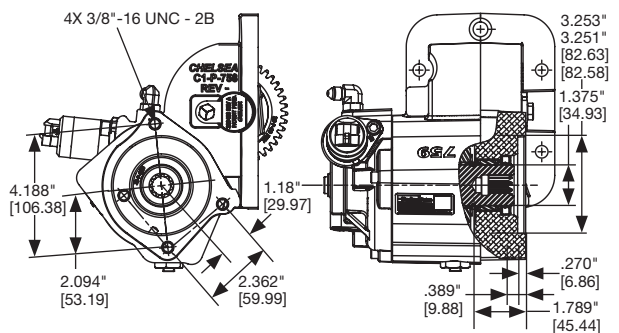
* No longer a current option per Chelsea Suggested List Price.

Output Options**Parts List
249 Series****Bill of Materials - Driveline Output**

*XE Output Option SAE A 2-Bolt Flange, SAE A (5/8" - 9T)		
Part Number	Description	Qty.
329851-4X	Drive Shaft & Clutch Assembly	1
3-P-1153	Shaft Output (5/8" - 9T)	1
37-P-56	Spring (1.750" x 1.510")	1
380061	Gear Bell - 42T	1
380062	Cylinder Clutch	1
380063	Piston Clutch	1
379693	Lockring	1
2-P-994	Gear Output 42T	1 or
*2-P-861	Gear Output 42T	1
378576	Lockring	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
31-P-90	Thrust Washer (1.382" x 2.042" x .062")	1
28-P-288	O-ring (3.234" x .139")	1
28-P-289	O-ring (.864" x .070")	2

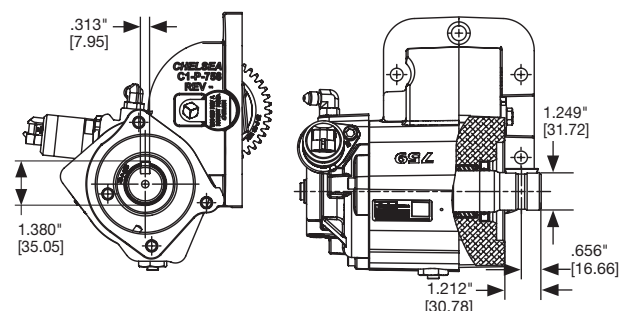


XP Output Option SAE A 2-Bolt Flange, SAE B (7/8" - 13T)		
Part Number	Description	Qty.
329851-2X	Drive Shaft & Clutch Assembly	1
3-P-1151	Shaft Output (3/4" - 11T)	1
37-P-56	Spring (1.750" x 1.510")	1
380061	Gear Bell - 42T	1
380062	Cylinder Clutch	1
380063	Piston Clutch	1
379693	Lockring	1
2-P-994	Output Gear 42T	1 or
*2-P-861	Output Gear 42T	1
378576	Lockring	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
31-P-90	Washer Thrust (1.382" x 2.042" x .062")	1
28-P-288	O-ring (3.234" x .139")	1
28-P-289	O-ring (.864" x .070")	2

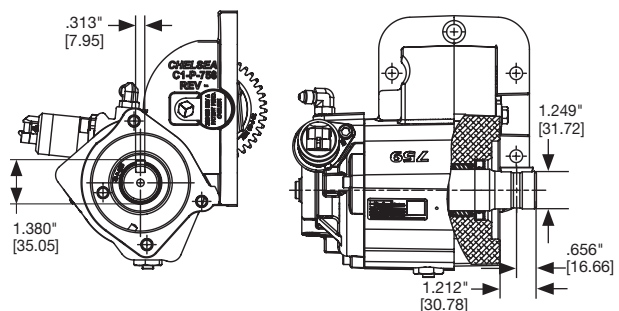


AD Output Option SAE A 2-Bolt Flange, SAE 19-4 Shaft (3/4" - 11T)		
Part Number	Description	Qty.
329851-3X	Drive Shaft & Clutch Assembly	1
3-P-1152	Shaft Output (3/4" - 11T)	1
37-P-56	Spring (1.750" x 1.510")	1
380061	Gear Bell - 42T	1
380062	Cylinder Clutch	1
380063	Piston Clutch	1
379693	Lockring	1
2-P-994	Output Gear 42T	1 or
*2-P-861	Output Gear 42T	1
378576	Lockring	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
31-P-90	Washer Thrust (1.382" x 2.042" x .062")	1
28-P-288	O-ring (3.234" x .139")	1
28-P-289	O-ring (.864" x .070")	2

* No longer a current option per Chelsea Suggested List Price.

Output Options**Parts List
249 Series****Bill of Materials - Driveline Output (Continued)**

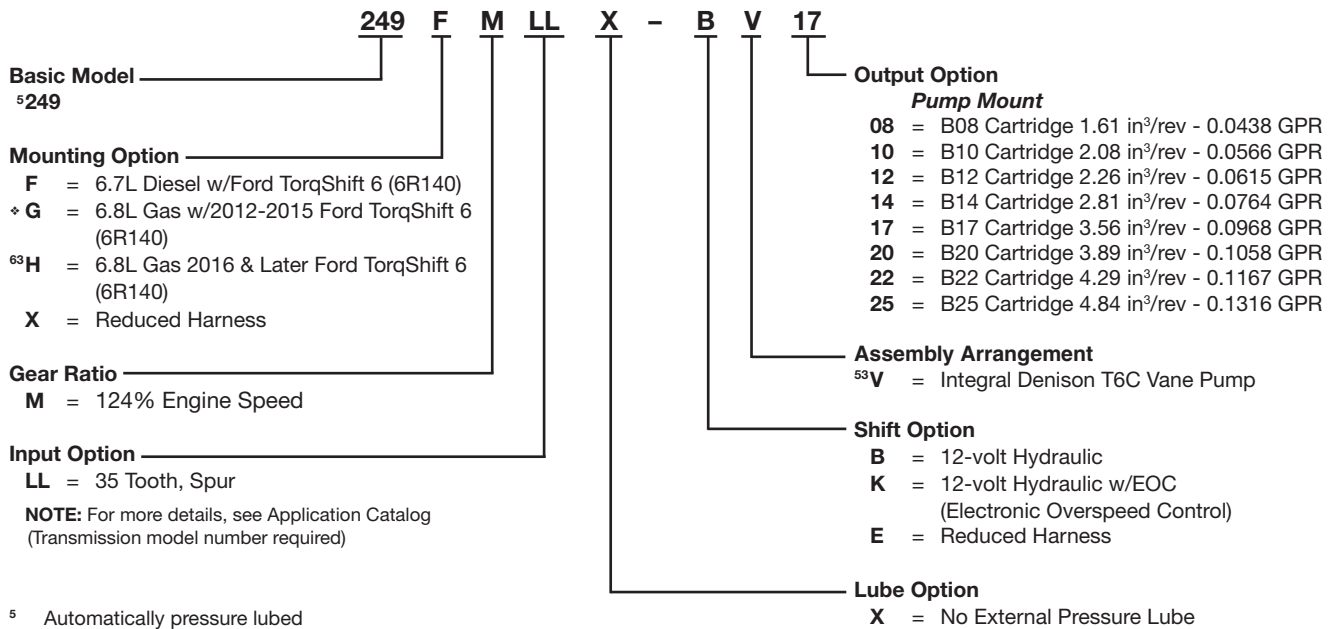
SD Output Option Smart Start - Rd Standard Shaft (1-1/4" - 5/16" Key)		
Part Number	Description	Qty.
329851-5X	Drive Shaft & Clutch Assembly	1
3-P-1187	Shaft Output (1.250" Keyed)	1
37-P-56	Spring (1.750" x 1.510")	1
380061	Gear Bell - 42T	1
380062	Cylinder Clutch.....	1
380063	Piston Clutch.....	1
379693	Lockring.....	1
2-P-994	Output Gear 42T.....	1 or
♦2-P-861	Output Gear 42T.....	1
378576	Lockring.....	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
31-P-90	Washer Thrust (1.382" x 2.042" x .062").....	1
28-P-288	O-ring (3.234" x .139").....	1
28-P-289	O-ring (.864" x .070").....	2



XD Output Option Rd Standard Shaft (1-1/4" - 5/16" Key)		
Part Number	Description	Qty.
329851-1X	Drive Shaft & Clutch Assembly	1
3-P-1150	Shaft Output (1.250" Keyed)	1
37-P-56	Spring (1.750" x 1.510")	1
380061	Gear Bell - 42T	1
380062	Cylinder Clutch.....	1
380063	Piston Clutch.....	1
379693	Lockring.....	1
2-P-994	Output Gear 42T.....	1 or
♦2-P-861	Output Gear 42T.....	1
378576	Lockring.....	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
31-P-90	Washer Thrust (1.382" x 2.042" x .062")	1
28-P-288	O-ring (3.234" x .139").....	1
28-P-289	O-ring (.864" x .070").....	2

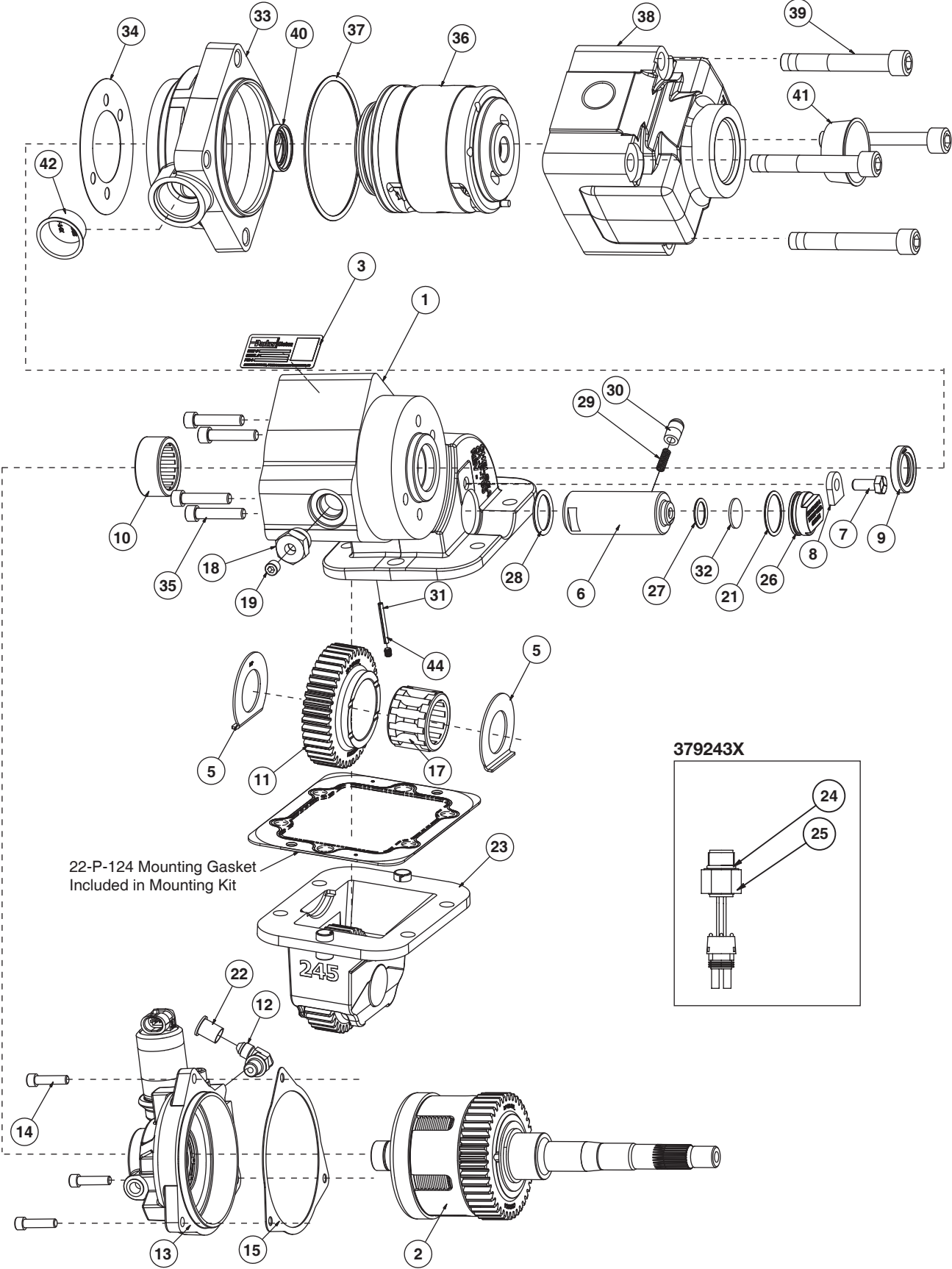
♦ No longer a current option per Chelsea Suggested List Price.

Model Number Designator

⁵ Automatically pressure lubed⁴⁴ Includes heat shield and wiring harness⁵³ 4 x 2 and 4 x 4 applications⁶³ Includes wiring harness with high temperature loom and heat shield**NOTE:** See Application Catalog for year specific information.

Output Code	Part Number	Description
08	380418-08	T6CM Cartridge @ 1.61 in ³ /rev
10	380418-10	T6CM Cartridge @ 2.08 in ³ /rev
12	380418-12	T6CM Cartridge @ 2.26 in ³ /rev
14	380418-14	T6CM Cartridge @ 2.81 in ³ /rev
17	380418-17	T6CM Cartridge @ 3.56 in ³ /rev
20	380418-20	T6CM Cartridge @ 3.89 in ³ /rev
22	380418-22	T6CM Cartridge @ 4.29 in ³ /rev
25	380418-25	T6CM Cartridge @ 4.84 in ³ /rev
157	380576-15	T7B Cartridge @ 3.01 in ³ /rev

* No longer a current option per Chelsea Suggested List Price.



Bill of Materials**Parts List
249V Series**

Item	Part Number	Description	Qty.
1	1-P-761	Housing	1
2	See page 18	Drive Shaft & Clutch ASSY	1
3	68-P-51-1	Adhesive Label	1
5	31-P-155	Thrust Washer (1.280" x 2.300" x .064")	2
6	9-P-128	Shaft Idler (1.260")	1
7	378430-8	Hex Head Cap Screw (.312"-18 x .750")	1
8	27-P-9	Lock Plate	1
9	28-P-179	Oil Seal (1.379" x .875" x .249")	1
10	561030	Needle Roller Bearing ASSY (1.375" x 1.750 x .750")	1
11	33-P-92	Reverse Idler Gear 41T	1 or
	33-P-88	Reverse Idler Gear 41T	1
12	* 379486	Elbow (.438"-20)	1
13	See pages 15 & 16	Valve Cap ASSY	1
14	379431-6	Socket Head Cap Screw (.250" x 20" x 1.000")	3
15	22-P-123	Valve Cap Gasket	1
17	561029	Needle Roller Bearing ASSY (1.260" x 1.811" x 1.260")	1
18	379242	Straight Adapter (.125"-27 x .750"-16)	1
19	379231	Plug Pipe (.125"-27")	1
21	28-P-335	O-ring (1.112" x .103")	1
22	379564-2	Cap Thread (.438")	1
23	See page 19	Adapter ASSY	1
	379243X	Speed Sensor Kit	1
24	28-P-171	O-ring (.644" x .087") (w/EOC Only)	1
25	379243	Sensor Speed (w/EOC Only)	1
26	380458	Plug Idler (1.260")	1
27	28-P-71	O-ring (.674" x .103")	1
28	28-P-239	O-ring (1.046" x .139")	1
29	63-P-16	Poppet Shifter	1
30	37-P-73	Spring (.231" x .716")	1
31	500595-16	Pin Slotted Spring (.125" x 1.250")	1
32	31-P-140	Thrust Washer (.880" x .030")	1
33	21-P-836	Housing Pump Adapter	1
34	22-P-140	Pump Mounting Gasket	1
35	378447-8	Socket Head Cap Screw (.312"-18" x 1.500")	4
36	See Page 11	Pump Vane Cartridge T6C	1
37	28-P-259	O-ring (3.984" x .139")	1
38	1-P-732	Vane Pump Housing	1
39	379435-16	Socket Head Cap Screw (.500"-13" x 3.500")	4
40	28-P-119	Oil Seal (1.379" x .875" x .250")	1
41	500897-31	Shipping Plug	1
42	500897-24	Shipping Plug	1
44	378451-3	Socket Head Setscrew (10-24 - .250")	1
N.S.	69-P-24	Integral Pump Warning Tag	1

N.S. – Not Shown

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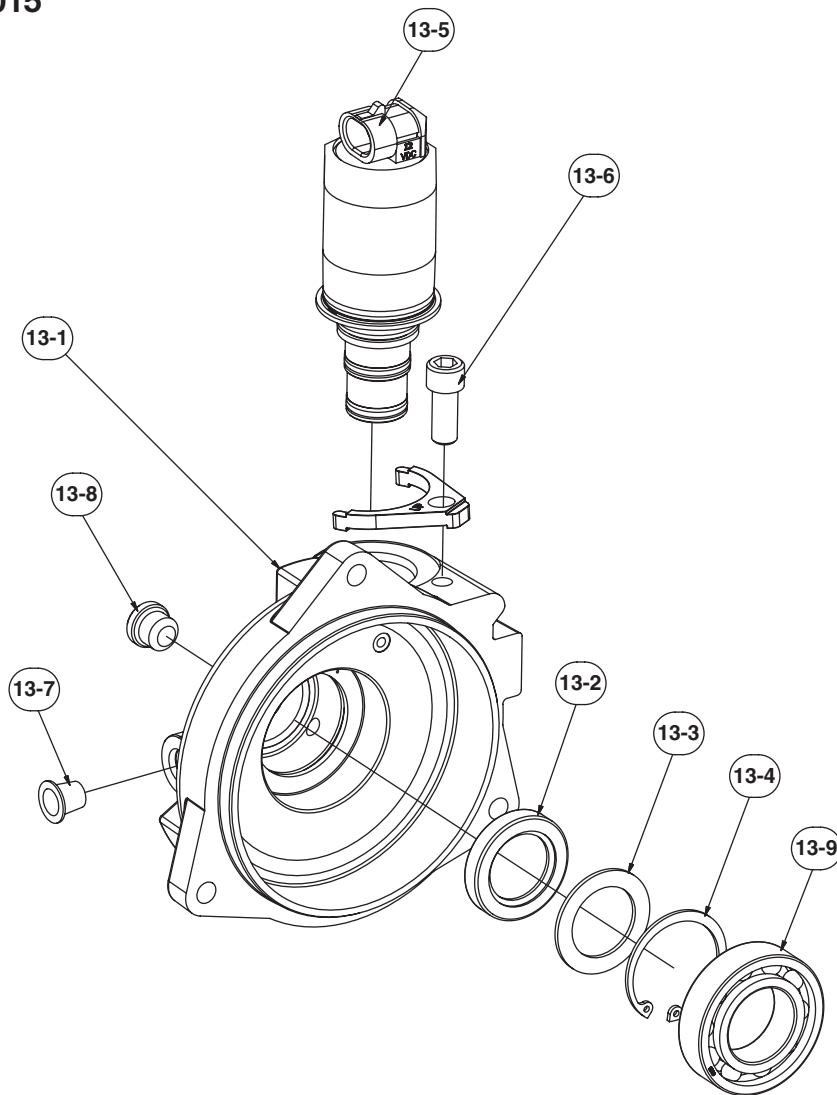
* No longer a current option per Chelsea Suggested List Price.

Bill of Materials**Parts List
249V Series**

Item	Part Number	Description	Qty.
N.S.	22-P-124	Mounting Gasket.....	1
	See pages 25-27 for Bill of Materials for the below loose parts.		
		GASKET KIT	
	329248-6X	Gasket & Seal Kit	
		INSTALLATION KITS	
	329248-5X	Installation & Label Kit.....	1
	329650X	Speed Limiter Assembly	1
	329836X	Installation & Mounting Kit (Non-EOC) (B Shift Option) (F Mount)	1
	329837X	Installation & Mounting Kit (EOC) (K Shift Option) (F Mount)	1
	329838X	Installation & Mounting Kit (Non-EOC) (B Shift Option) (G Mount).....	1
	329950X	Installation & Mounting Kit (No Wire) (E Shift Option) (H Mount).....	1
	329951X	Installation & Mounting Kit (No Wire) (E Shift Option) (X Mount)	1
		SERVICE KITS	
	329248-2X	Bearing Kit	
	329248-3X	Clutch Repair Kit	
	329248-7X	Complete Rebuild Kit	
N.S. – Not Shown			

Valve Cap Assembly - 329614X

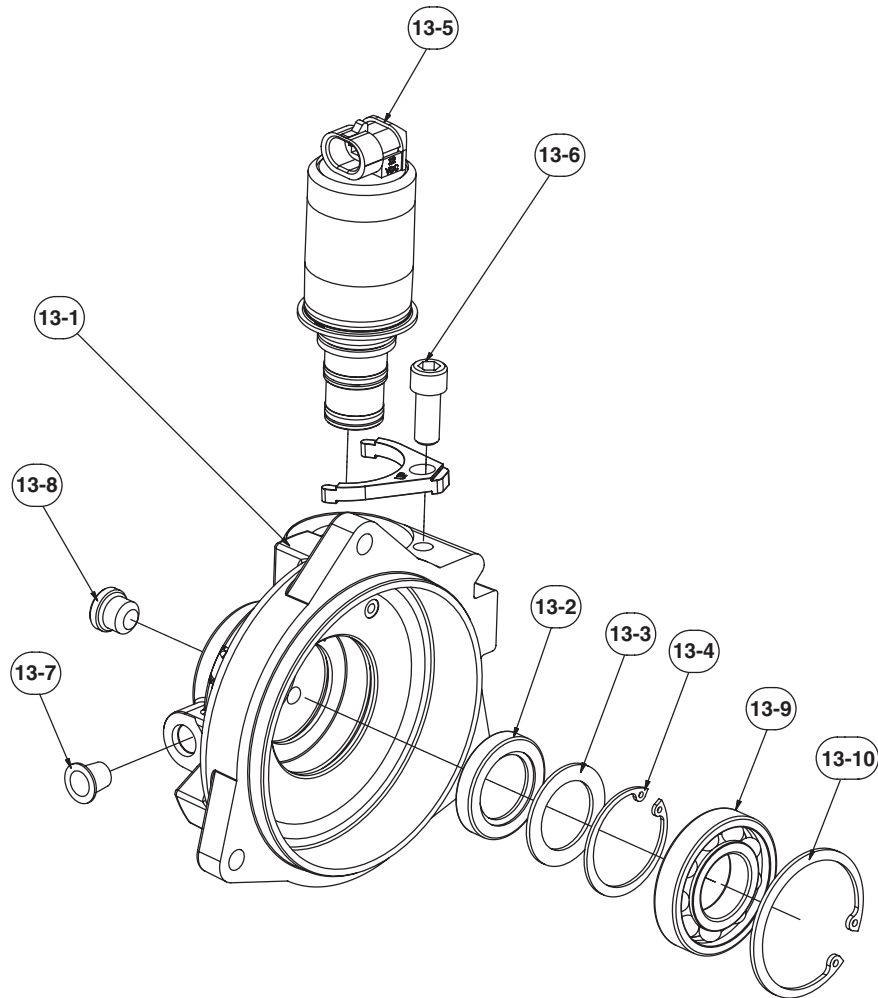
Prior to April 1, 2015



Item	Part Number	Description	Qty.
13	329614X	Valve Cap Assembly	
13-1	21-P-720	Valve Cap	1
13-2	28-P-119	Oil Seal (1.379" x .875" x .250")	1
13-3	378811	Plate Seal Backup	1
13-4	378849	Lockring	1
13-5	380123-12	12-volt Cartridge Valve Non Regulating	1
13-6	378447-4	Socket Head Cap Screw (.312"-18 x .750")	1
13-7	500897-5	Shipping Plug	1
13-8	379484	O-ring Boss Plug (.438"-20)	1
13-9	561031	Ball Bearing (.984" x 1.850" x .472")	1

NOTE: Hydraulic Valve to include Hold Down Clamp - 380124

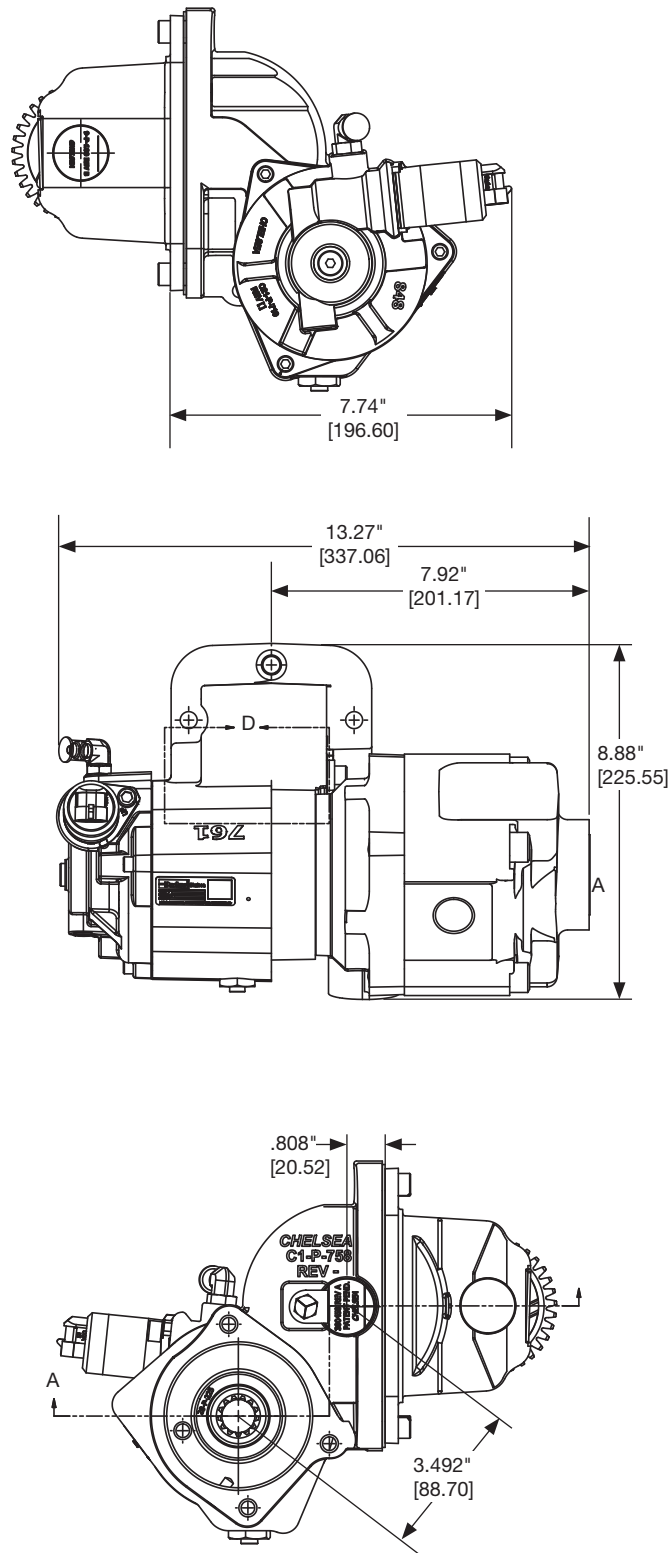
Valve Cap Assembly - 329850X
After April 1, 2015



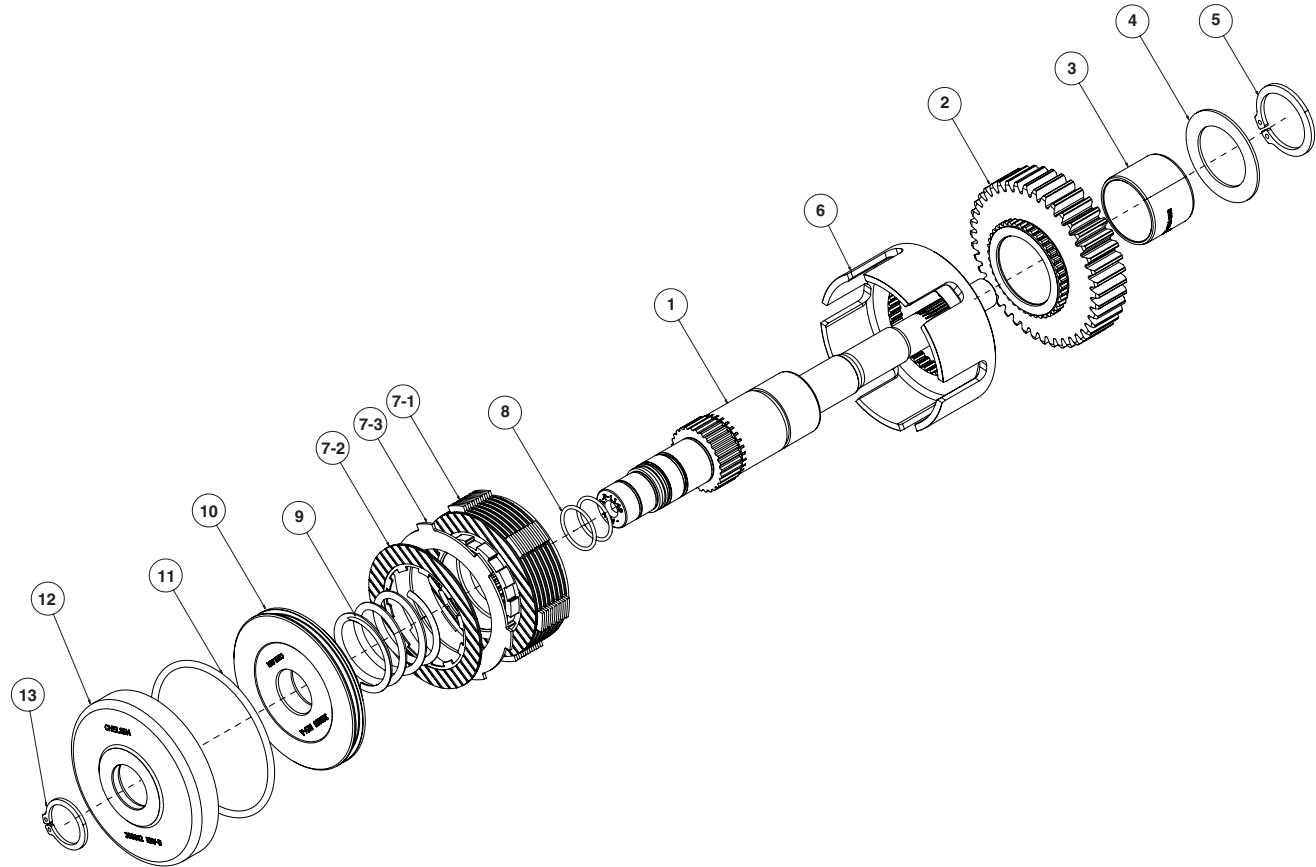
Item	Part Number	Description	Qty.
13	329850X	Valve Cap Assembly	
13-1	21-P-848	Valve Cap	1
13-2	28-P-119	Oil Seal (1.379" x .875" x .250")	1
13-3	378811	Plate Seal Backup	1
13-4	378849	Lockring.....	1
13-5	380123-12	12-volt Cartridge Valve Non Regulating	1
13-6	378447-4	Socket Head Cap Screw (.312"-18 x .750").....	1
13-7	500897-5	Shipping Plug	1
13-8	379484	O-ring Boss Plug (.438"-20)	1
13-9	561071	Ball Bearing (.875" x 1.875" x .375").....	1
13-10	379464	Internal Lockring (1.875") (See 379462)	1

NOTE: Hydraulic Valve to include Hold Down Clamp - 380124

Housing Dimensions



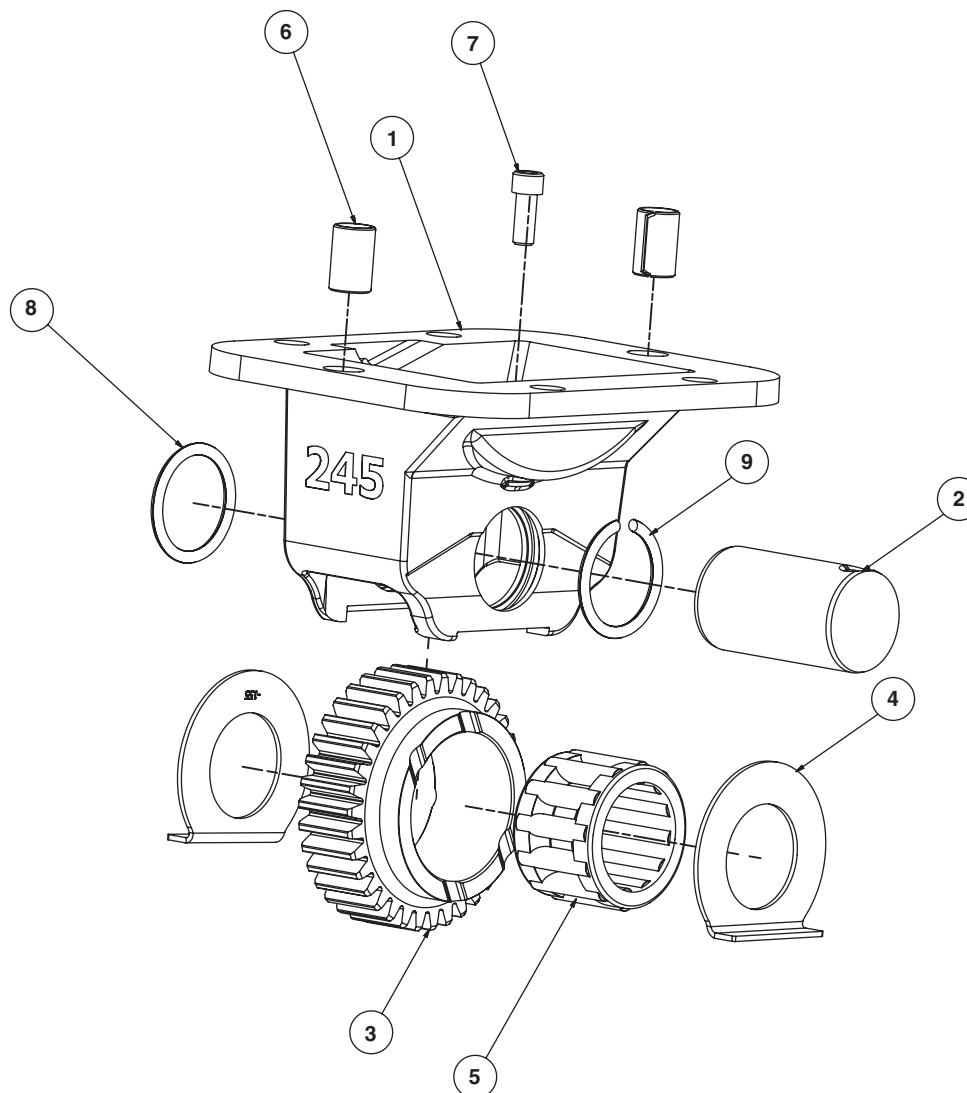
Drive Shaft & Clutch Assembly – 330031X, ♦329852X



Item	Part Number	Description	Qty.
	330031X	Drive Shaft & Clutch ASSY (♦329852X)	
1	3-P-1149	Output Shaft.....	1
2	2-P-994	Output Gear - 42 Teeth.....	1 or
	♦2-P-861	Output Gear - 42 Teeth.....	1
3	561032	Plain Bearing (1.378" x 1.535" x 1.180").....	1
4	31-P-90	Thrust Washer (1.382" x 2.042" x .062").....	1
5	378576	Lockring.....	1
6	380061	Bell Gear - 42Teeth.....	1
7	329726X	Gear & Plates Kit.....	1
7-1	2-P-860	Output Gear - 29Teeth.....	1
7-2	379691	Friction Disc.....	9
7-3	380060	Clutch Plate.....	8
8	28-P-289	O-ring (.864" x .070").....	2
9	37-P-56	Spring (1.750" x 1.510").....	1
10	380063	Piston Clutch.....	1
11	28-P-288	O-ring (3.234" x .139").....	1
12	380062	Cylinder Clutch.....	1
13	379693	Lockring.....	1

♦ No longer a current option per Chelsea Suggested List Price.

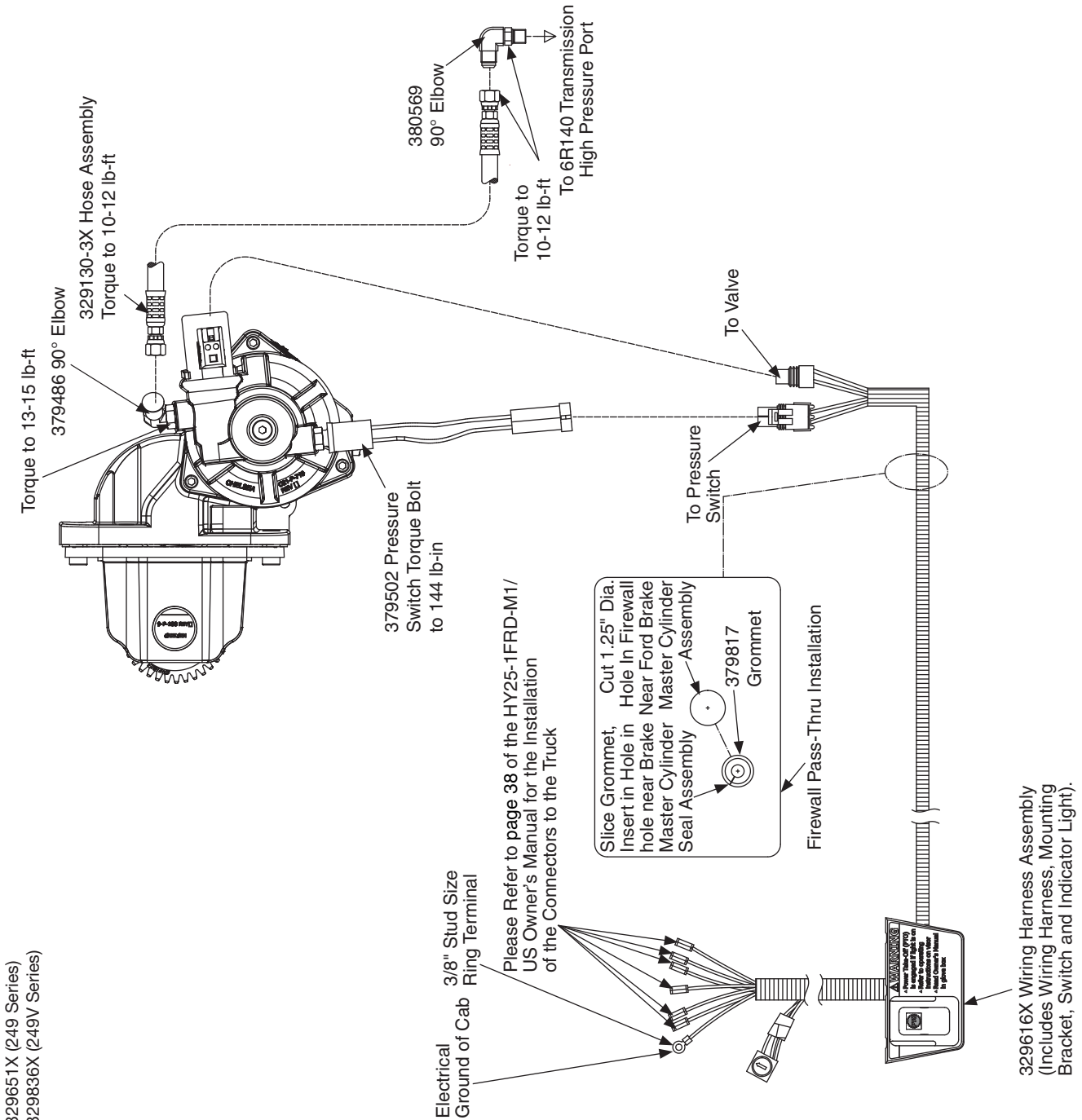
Adapter Assembly – 330013X, ♦ 329901X



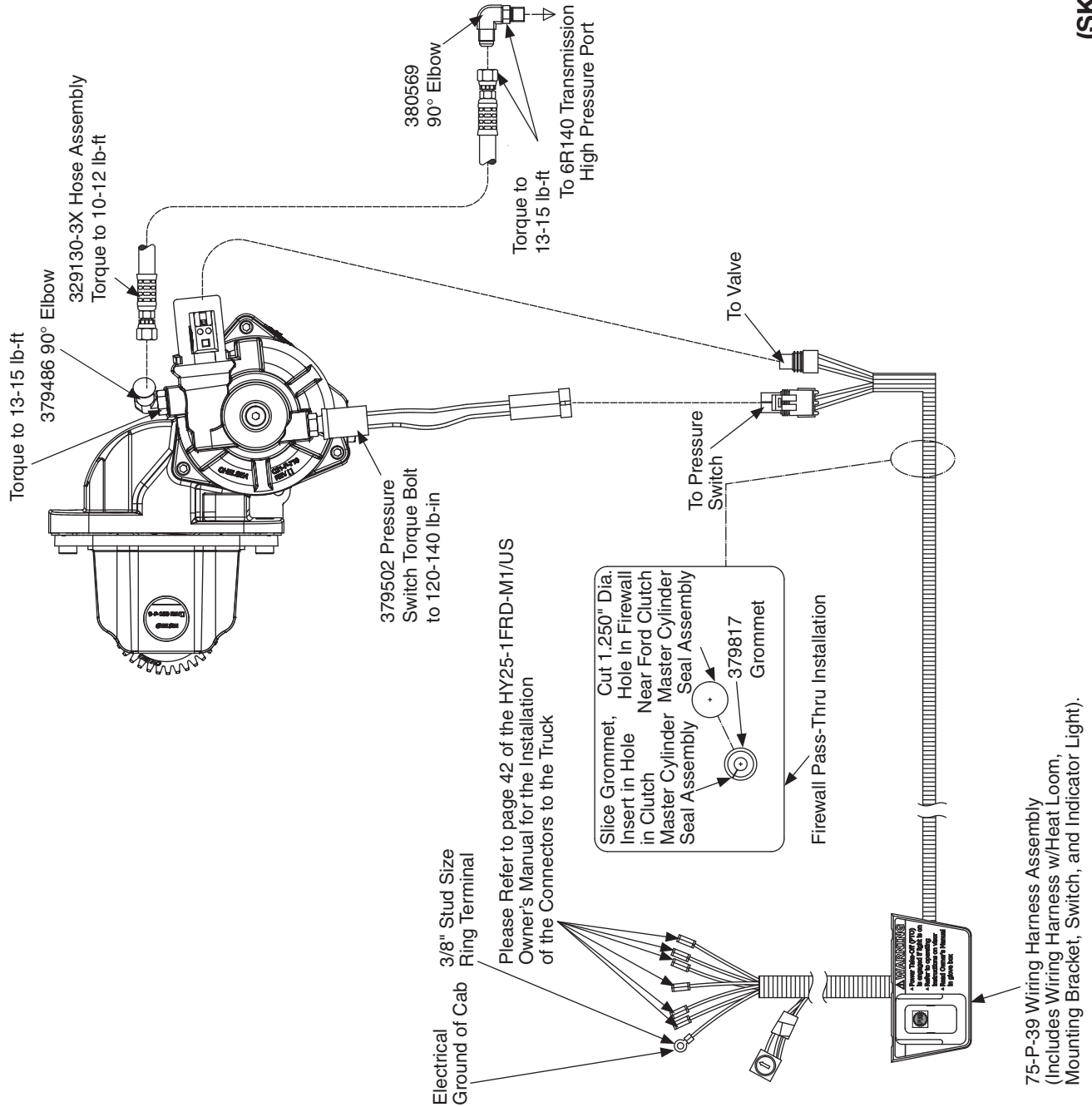
Item	Part Number	Description	Qty.
1	42-P-245	Housing Adapter	1
2	9-P-100	Idler Shaft (1.260").....	1
3	5-P-1669	Input Gear 36T	1 or
	♦5-P-1555	Input Gear 35T	1
4	35-P-155	Thrust Washer (1.280" x 2.300" x .064")	2
5	561029	Needle Roller Bearing ASSY (1.260" x 1.811" x 1.260")	1
6	385078	Bushing Dowel (10.870" x 13.010" x 20.000")	2
7	379431-3	Socket Head Cap Screw (.250"-20 x .625").....	1
8	28-P-336	O-ring (1.171" x .139").....	1
9	28-P-337	O-ring (1.171" x .139") (Modified).....	1

♦ No longer a current option per Chelsea Suggested List Price.

Wiring Installation (Shift Option B)
Super Duty F250-550 – MY2011-MY2019 – 6.7L Diesel
Medium Duty F650/750 – MY2016-MY2022 – 6.7L Diesel
249F w/o Electronic Overspeed Control (EOC)

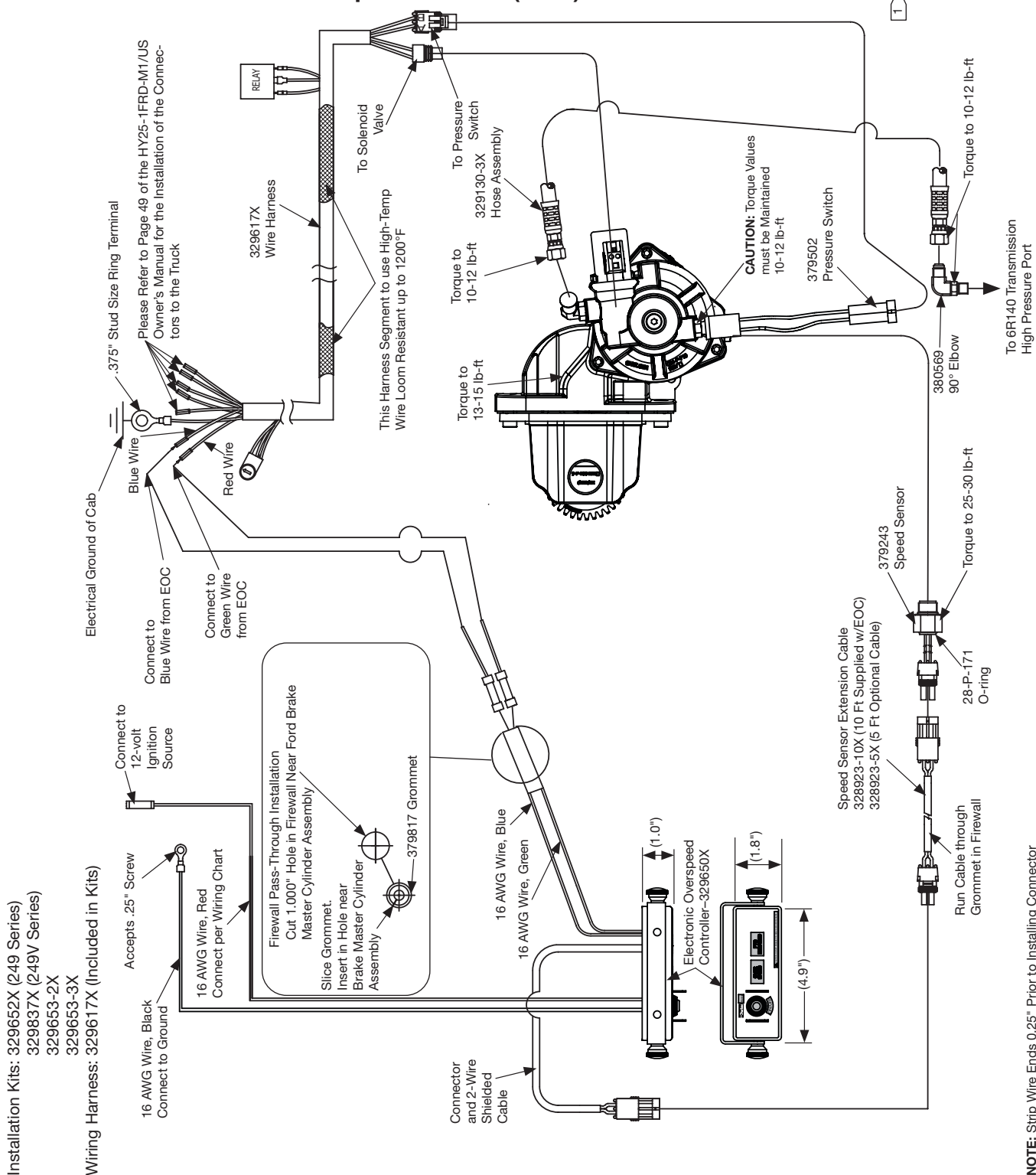


Wiring Installation Chart (Shift Option B)
Super Duty F250-550 – MY2017-MY2019 – 6.2/6.8L Gas
Medium Duty F650/750 – MY2016-MY2019 – 6.8L Gas
Medium Duty F650/750 – MY2020-MY2022 – 7.3L Gas
249H w/o Electronic Overspeed Control (EOC)



Installation Kits: 329651X (249 Series)
 329836X (249V Series)

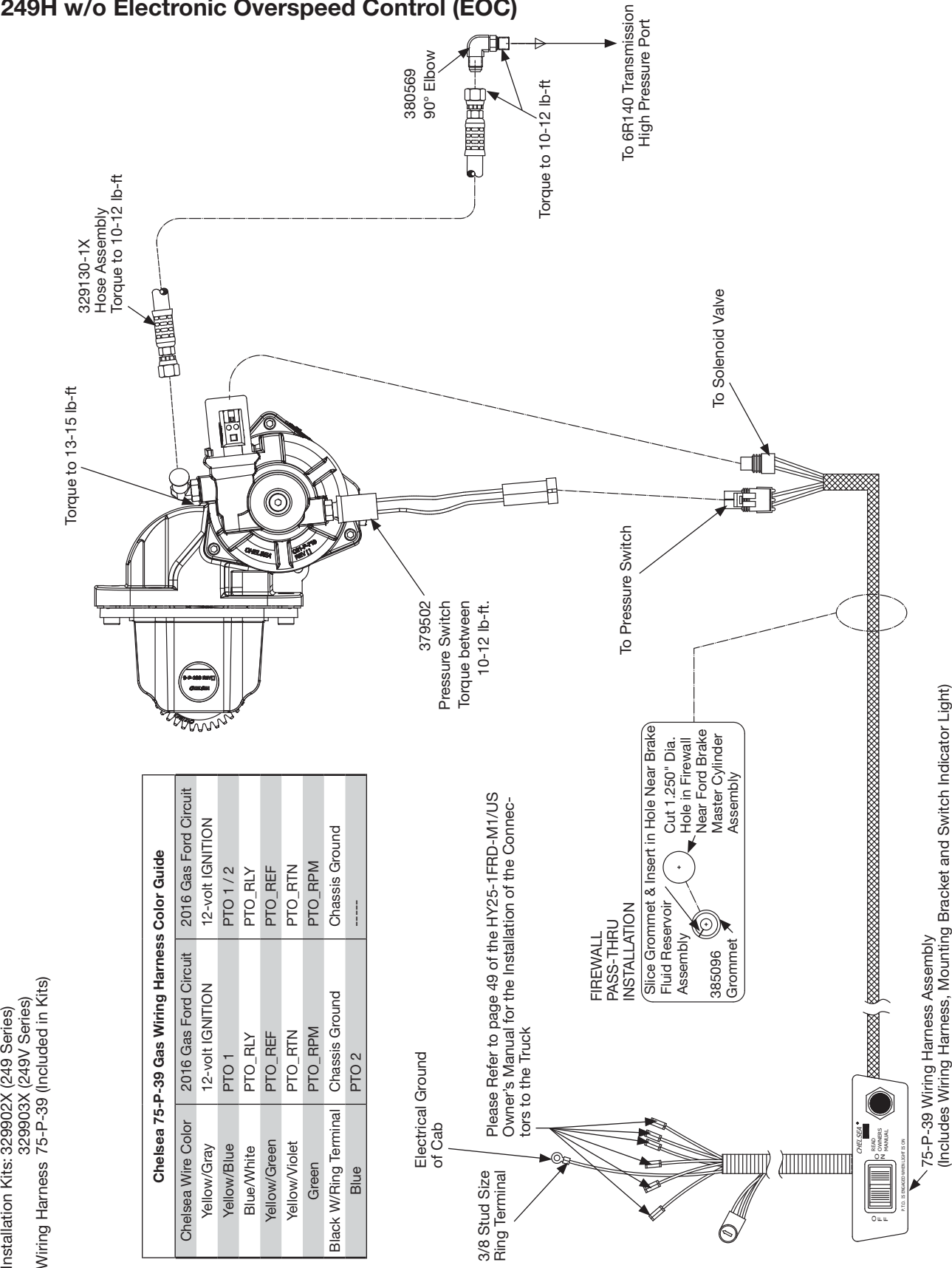
(SK-489 Rev H)



NOTE: Strip Wire Ends 0.25" Prior to Installing Connector

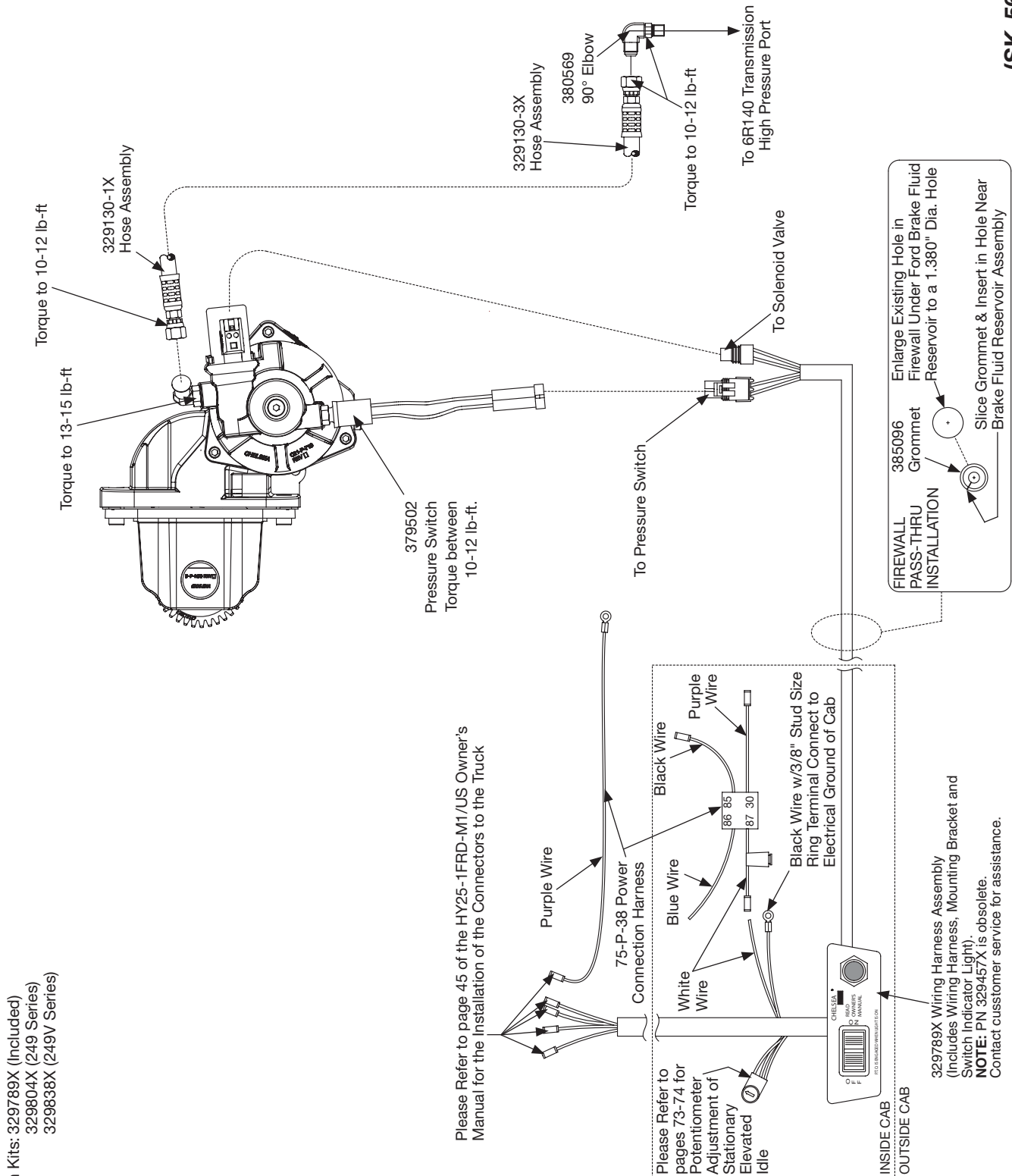
Wiring Installation (Shift Option B)
Medium Duty F650 – MY2013-MY2015 – 6.8L Gas
249H w/o Electronic Overspeed Control (EOC)

(SK-515 Rev C)



**Wiring Installation (Shift Option B)
Medium Duty F650 – MY2013-MY2015 – 6.8L Gas
249G w/o Electronic Overspeed Control (EOC)**

(SK-560 Rev D)



Part Number	Description	Qty.	Part Number	Description	Qty.
GASKETS KITS			INSTALLATION KITS		
329248-1X	Gasket & Seal Kit (249 Series)		329248-5X	Installation & Label Kit (All)	
28-P-247	O-ring (.984" x .139").....	1	328946X	Caution Label Kit	1
22-P-123	Valve Cap Gasket	1	379085-2	PTO Instructions Decal	1
28-P-289	O-ring (.864" x .070").....	2	379624	Product Warranty Card	1
28-P-288	O-ring (3.234" x .139").....	1	69-P-21	Caution Label	1
378576	Lockring	1	22-P-124	Mounting Gasket	1
379693	Lockring	1	Owners Manual	HY25-1FRD-M1/US	1
28-P-225	Oil Seal (2.004" x 1.375" x .315")	1	Safety Guide	HY25-1002-M1/US	1
28-P-336	O-ring (1.171" x .139").....	1			
28-P-337	O-ring (1.171" x .139") Modified	1	329650X	Electronic Overspeed Control (All)	
28-P-239	O-ring (1.046" x .139").....	1	328923-10X	Speed Sensor Cable - 10 ft	1
28-P-335	O-ring (1.112" x .103").....	1		NC Hex Bolt x 1" Lg (.250"-20).....	2
28-P-71	O-ring (.674" x .103").....	1		Flat Washer (.250").....	2
31-P-140	Thrust Washer (0.000" x 0.880" x .030")	1		Lock Washer (.250")	2
28-P-119	Seal Oil (1.379" x .875" x .250")	1		Hex Nut (.250")	2
			Owners Manual	HY25-1650-M1/US (5.500" x 7.500")	1
329248-6X	Gasket & Seal Kit (249V Series)		329651X	Installation & Mounting Kit w/o EOC (B Shift Option) (249 Series)	
28-P-239	O-ring (1.046" x .139").....	1	379502	Pressure Switch.....	1
22-P-123	Valve Cap Gasket	1	380569	90° Elbow (M10-JIC4)	1
378576	Lockring	1	379817	Grommet.....	1
28-P-337	O-ring (1.171" x .139") Modified	1	329130-3X	Hose ASSY.....	1
28-P-336	O-ring (1.171" x .139").....	1	8000-21X	Mounting Kit.....	1
28-P-288	O-ring (3.234" x .139").....	1	329616X	Wiring Harness w/o EOC	1
28-P-259	O-ring (3.984" x .139").....	1			
28-P-71	O-ring (.674" x .103").....	1	329652X	Installation & Mounting Kit w/EOC (K Shift Option) (249 Series)	
31-P-140	Thrust Washer (0.000 x 0.880" x .030").....	1	329617X	Wiring Harness EOC	1
28-P-289	O-ring (.864" x .070").....	2	379502	Pressure Switch.....	1
379693	Lockring	1	380569	90° Elbow (M10-JIC4)	1
28-P-179	Oil Seal (1.379" x .875" x .249")	1	329130-3X	Hose ASSY.....	1
28-P-119	Oil Seal (1.379" x .875" x .250")	1	379817	Grommet.....	1
22-P-140	Pump Mounting Gasket (249V)	1	8000-21X	Mounting Kit.....	1
28-P-335	O-ring (1.112" x .103").....	1			
28-P-336	O-ring (1.171" x .139").....	1	329653-2X	Installation & Mounting Kit w/EOC (K Shift Option) (249 Series)	
379464	Internal Lockring (1.875") (See 379462)	1	379502	Pressure Switch.....	1
			380569	90° Elbow (M10-JIC4)	1
			329130-3X	Hose ASSY.....	1
			8000-21X	PTO Mounting Kit	1
			329617X	Wiring Harness Assembly	1
			385096	Grommet.....	1
			329931X	Heat Shield Kit	1
			329804X	Installation & Mounting Kit w/o EOC (249 Series)	
			329789X	Wire Harness w/o EOC	1
			329931	Heat Shield Kit	1
			379502	Pressure Switch.....	1
			380569	90° Elbow (M10-JIC4).....	1
			329130-3X	Hose ASSY.....	1
			385096	Grommet.....	1
			8000-21X	PTO Mounting Kit	1

Continued on Next Page

BOMs in each kit group are listed in order based on part number.

Part Number	Description	Qty.
INSTALLATION KITS		
329836X	Installation & Mounting Kit (Non EOC) (249V Series)	
329616X	Wiring Harness w/o EOC	1
379502	Pressure Switch.....	1
380569	90° Elbow (M10-JIC4)	1
379817	Grommet.....	1
329130-3X	Hose ASSY.....	1
8000-45X	Mounting Kit.....	1
380519	Shifter Cable Retainer Clip	1
329837X	Installation & Mounting Kit w/EOC (K Shift Option, F Mount) (249V Series)	
329617X	Wiring Harness EOC	1
379502	Pressure Switch.....	1
380569	90° Elbow (M10-JIC4).....	1
379817	Grommet.....	1
329130-3X	Hose ASSY.....	1
8000-45X	Mounting Kit.....	1
380519	Shifter Cable Retainer Clip	1
329838X	Installation & Mounting Kit (Non EOC) (249V Series)	
329789X	Wiring Harness w/o EOC	1
329931X	Heat Shield Kit.....	1
379502	Pressure Switch.....	1
380569	90° Elbow (M10-JIC4)	1
385096	Grommet.....	1
329130-3X	Hose ASSY.....	1
8000-45X	Mounting Kit.....	1
380519	Shifter Cable Retainer Clip	1
329902X	Installation & Mounting Kit w/o EOC (249 Series)	
75-P-39	Electrical Wiring Harness	1
329931X	Heat Shield Kit.....	1
379502	Pressure Switch.....	1
380569	90° Elbow (M10-JIC4)	1
385096	Grommet.....	1
329130-3X	Hose ASSY.....	1
8000-21X	Mounting Kit.....	1
69-P-13	Switch Caution Label*	1

*NOTE: Apply Over Wiring Harness Rocker Switch

Part Number	Description	Qty.
INSTALLATION KITS		
329948X	Installation Kit (Less Wire) (249 Series)	
379502	Pressure Switch.....	1
379817	Grommet.....	1
8000-21X	PTO Mounting Kit	1
69-P-13	Switch Caution Label.....	1
380569	90° Elbow (M10-JIC4)	1
329130-3X	Hydraulic Hose Assembly (20")	1
379504	Electrical Wire & Valve Connector	1
SK-630	Installation Sketch w/Connector Harness Only	1
329949X	Installation Kit (Less Wire) (E Shift Option) (H Mount) (249 Series)	
379502	Pressure Switch.....	1
380569	90° Elbow (M10 to JIC4).....	1
8000-21X	PTO Mounting Kit	1
68-P-13	Switch Caution Label.....	1
385096	Grommet.....	1
329130-3X	Hydraulic Hose Assembly (20")	1
379504	Electrical Valve & Wire Connector	1
329931X	Heat Shield Kit.....	1
SK-630	Installation Sketch w/Connector Harness Only	1
329950X	Installation Kit (No Harness) (249V Series)	
379502	Pressure Switch.....	1
380569	90° Elbow (M10-JIC4)	1
385096	Grommet.....	1
329130-3X	Hose ASSY (20")	1
8000-45X	Mounting Kit.....	1
69-P-13	Switch Caution Label.....	1
380519	Shifter Cable Retainer Clip	1
379504	Electrical Valve & Wire Connector	1
329931X	Heat Shield Kit.....	1
SK-630	Installation Sketch w/Connector Harness Only	1
329951X	Installation Kit (No Harness) (249V Series)	
379502	Pressure Switch.....	1
379817	Grommet.....	1
8000-45X	Mounting Kit.....	1
69-P-13	Switch Caution Label.....	1
380519	Shifter Cable Retainer Clip	1
380569	90° Elbow (M10-JIC4)	1
329130-3X	Hydraulic Hose ASSY (20")	1
379504	Electrical Valve & Wire Connector	1
SK-630	Installation Sketch w/Connector Harness Only	1

Continued on Next Page

BOMs in each kit group are listed in order based on part number.

Part Number	Description	Qty.
SERVICE KITS		
329248-2X	Bearing Kit (All)	
561029	Needle Roller Bearing ASSY (1.260" x 1.811" x 1.260")	2
561030	Needle Roller Bearing ASSY (1.375" x 1.750" x .750")	1
561031	Ball Bearing (.984" x 1.850" x .472")	1
561032	Plain Bearing (1.378" x 1.535" x 1.180")	1
561071	Ball Bearing (.875" x 1.875" x .375")	1
329248-3X	Clutch Repair Kit (All)	
379691	Friction Disc	9
380060	Clutch Plate	8
329248-4X	Complete Rebuild Kit w/o Output Gear (249 Series)	
329248-1X	Gasket & Seal Kit	1
329248-2X	Bearing Kit	1
329248-3X	Clutch Repair Kit	1
329248-7X	Complete Rebuild Kit (249V Series)	
329248-6X	Gasket & Seal Kit	1
329248-2X	Bearing Kit	1
329248-3X	Clutch Plate Kit	1
329248-8X	Complete Rebuild Kit w/Output Gear (249 Series)	
329248-1X	Gasket & Seal Kit	1
329248-2X	Bearing Kit	1
329726X	Clutch Repair Kit	1
329376-5X	Soft Goods Service Kit (CGP-P11 Pump) (249 Series)	
28-P-276	O-ring (1.674" x .103")	1
379688	Spline Lubricant	1
861-023-Q1N	Soft Goods Kits CGP-P11 Pump	1

BOMs in each kit group are listed in order based on part number.

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

Offer of Sale

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Continued on Next Page

Offer of Sale Continued

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11. Security Interest. To secure payment of all sums due from Buyer, Seller retains a security interest in all Products delivered to Buyer and, Buyer's acceptance of these Terms is deemed to be a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect Seller's security interest.

12. User Responsibility. Buyer, through its own analysis and testing, is solely responsible for making the final selection of the Products and assuring that all performance, endurance, maintenance, safety and warning requirements of the application of the Products are met. Buyer must analyze all aspects of the application and follow applicable industry standards, specifications, and any technical information provided with the Quote or the

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13. Use of Products, Indemnity by Buyer. Buyer shall comply with all instructions, guides and specifications provided by Seller with the Quote or the Products. If Buyer uses or resells the Products in any way prohibited by Seller's instructions, guides or specifications, or Buyer otherwise fails to comply with Seller's instructions, guides and specifications, Buyer acknowledges that any such use, resale, or non-compliance is at Buyer's sole risk. Further, Buyer shall indemnify, defend, and hold Seller harmless from any losses, claims, liabilities, damages, lawsuits, judgments and costs (including attorney fees and defense costs), whether for personal injury, property damage, intellectual property infringement or any other claim, arising out of or in connection with: (a) improper selection, design, specification, application, or any misuse of Products; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of Buyer's Property; (d) damage to the Products from an external cause, repair or attempted repair by anyone other than Seller, failure to follow instructions, guides and specifications provided by Seller, use with goods not provided by Seller, or opening, modifying, deconstructing, tampering with or repackaging the Products; or (e) Buyer's failure to comply with these Terms, including any legal or administrative proceedings, collection efforts, or other actions arising from or relating to such failure to comply. Seller shall not indemnify Buyer under any circumstance except as otherwise provided in these Terms.

14. Cancellations and Changes. Buyer may not cancel or modify, including but not limited to movement of delivery dates for the Products, any order for any reason except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage and any additional expense. Seller, at any time, may change features, specifications, designs and availability of Products.

15. Assignment. Buyer may not assign its rights or obligations without the prior written consent of Seller.

16. Force Majeure. Seller is not liable for delay or failure to perform any of its obligations by reason of any events or circumstances beyond its reasonable control. Such circumstances include without limitation: accidents, labor disputes or stoppages, government acts or orders, acts of nature, pandemics, epidemics, other widespread illness, or public health emergency, cyber related disruptions, cyber-attacks, ransomware sabotage, delays or failures in delivery from carriers or suppliers, shortages of materials, sudden increases in the price of raw material or components, shutdowns or slowdowns affecting the supply of raw materials or components, or the transportation thereof, oil shortages or oil price increases, energy crisis, energy or fuel interruption, war (whether declared or not) or the serious threat of same, riots, rebellions, acts of terrorism, embargoes, fire or any reason whether similar to the foregoing or otherwise. Seller will resume performance as soon as practicable after the event of force majeure has been removed. All delivery dates affected by an event of force majeure shall be tolled for the duration of such event of force majeure and rescheduled for mutually agreed dates as soon as practicable after the event of force majeure ceases to exist. The right to allocate capacity is in the Seller's sole discretion. An event of force majeure shall not include financial distress, insolvency, bankruptcy, or other similar conditions affecting one of the parties, affiliates and/or subcontractors. An event of force majeure in the meaning of these Terms means any circumstances beyond Seller's control that permanently or temporarily hinders performance, even

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where that circumstance was already foreseen. Buyer shall not be entitled to cancel any orders following its claim of an event of force majeure.

17. Waiver and Severability. Failure to enforce any provision of these Terms will not invalidate that provision; nor will any such failure prejudice either party's right to enforce that provision in the future. Invalidation of any provision of these Terms shall not invalidate any other provision herein and, the remaining provisions will remain in full force and effect.

18. Duration. Unless otherwise stated in the Quote, any agreement governed by or arising from these Terms shall: (a) be for an initial duration of one (1) year; and (b) shall automatically renew for successive one-year terms unless terminated by Buyer with at least 180-days written notice to Seller or if Seller terminates the agreement pursuant to Section 19 of these Terms

19. Termination. Seller may, without liability to Buyer, terminate any agreement governed by or arising from these Terms for any reason and at any time by giving Buyer thirty (30) days prior written notice. Seller may immediately terminate, in writing, if Buyer: (a) breaches any provision of these Terms, (b) becomes or is deemed insolvent, (c) appoints or has appointed a trustee, receiver or custodian for all or any part of Buyer's property, (d) files a petition for relief in bankruptcy on its own behalf, or one is filed against Buyer by a third party, (e) makes an assignment for the benefit of creditors; or (f) dissolves its business or liquidates all or a majority of its assets

20. Ownership of Rights. Buyer agrees that (a) Seller (and/or its affiliates) owns or is the valid licensee of Seller's IP and (b) the furnishing of information, related documents or other materials by Seller to Buyer does not grant or transfer any ownership interest or license in or to Seller's IP to Buyer, unless expressly agreed in writing. Without limiting the foregoing, Seller retains ownership of all Software supplied to Buyer. In no event shall Buyer obtain any greater right in and to the Software than a right in a license limited to the use thereof and subject to compliance with any other terms provided with the Software. Buyer further agrees that it will not, directly or through intermediaries, reverse engineer, decompile, or disassemble any Software (including firmware) comprising or contained within a Product, except and only to the extent that such activity may be expressly permitted, either by applicable law or, in the case of open-source software, the applicable open source license.

21. Indemnity for Infringement of Intellectual Property Rights. Seller is not liable for infringement of any Intellectual Property Rights except as provided in this Section. Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on a third-party claim that one or more of the Products infringes the Intellectual Property Rights of a third party in the country of delivery of the Products by Seller to Buyer. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of any such claim, and Seller having sole control over the defense of the claim including all negotiations for settlement or compromise. If one or more Products is subject to such a claim, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Products, replace or modify the Products to render them non-infringing, or offer to accept return of the Products and refund the purchase price less a reasonable allowance for depreciation. Seller has no obligation or liability for any claim of infringement: (i) arising from information provided by Buyer (including Seller's use of Buyer's Property); or (ii) directed to any Products for which the designs are specified in whole or part by Buyer; or (iii) resulting from the modification, combination or use in a system of any Products. The foregoing provisions of this Section constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for claims of infringement of Intellectual Property Rights.

22. Governing Law. These Terms, the terms of any Quote, and the sale and delivery of all Products are deemed to have taken place in, and shall be governed and construed in accordance with, the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to the sale and delivery of the Products.

23. Entire Agreement. These Terms, along with the terms set forth in the Quote, forms the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale and purchase. In the event of a conflict between any term set forth in the Quote and these Terms, the terms set forth in the Quote shall prevail. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter shall have no effect. No modification to these Terms will be binding on Seller unless agreed to in a writing that is signed by an authorized representative of Seller, excluding email correspondence, 'clickwrap' or other purported electronic assent to different or additional terms. Sections 2-25 of these Terms shall survive termination or cancellation of any agreement governed by or arising from these Terms.

24. No 'Wrap' Agreements/No Authority to Bind. Seller's clicking any buttons or any similar action, such as clicking "I Agree" or "Confirm," to utilize Buyer's software or webpage for the placement of orders, is NOT an agreement to Buyer's Terms and Conditions. **NO EMPLOYEE, AGENT OR REPRESENTATIVE OF SELLER HAS THE AUTHORITY TO BIND SELLER BY THE ACT OF CLICKING ANY BUTTON OR SIMILAR ACTION ON BUYER'S WEBSITE OR PORTAL.**

25. Compliance with Laws. Buyer agrees to comply with all applicable laws, regulations, and industry and professional standards, including those of the United States of America, and the country or countries in which Buyer may operate, including without limitation the U.S. Foreign Corrupt Practices Act ("FCPA"), the U.S. Anti-Kickback Act ("Anti-Kickback Act"), U.S. and E.U. export control and sanctions laws ("Export Laws"), the U.S. Food Drug and Cosmetic Act ("FDCA"), and the rules and regulations promulgated by the U.S. Food and Drug Administration ("FDA"), each as currently amended. Buyer agrees to indemnify, defend, and hold harmless Seller from the consequences of any violation of such laws, regulations and standards by Buyer, its employees or agents. Buyer represents that it is familiar with all applicable provisions of the FCPA, the Anti-Kickback Act, Export Laws, the FDCA and the FDA and certifies that Buyer will adhere to the requirements thereof and not take any action that would make Seller violate such requirements. Buyer represents and agrees that Buyer will not make any payment or give anything of value, directly or indirectly, to any governmental official, foreign political party or official thereof, candidate for foreign political office, or commercial entity or person, for any improper purpose, including the purpose of influencing such person to purchase Products or otherwise benefit the business of Seller. Buyer further represents and agrees that it will not receive, use, service, transfer or ship any Products from Seller in a manner or for a purpose that violates Export Laws or would cause Seller to be in violation of Export Laws. Buyer agrees to promptly and reliably provide Seller all requested information or documents, including end-user statements and other written assurances, concerning Buyer's ongoing compliance with Export Law.

09/22



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