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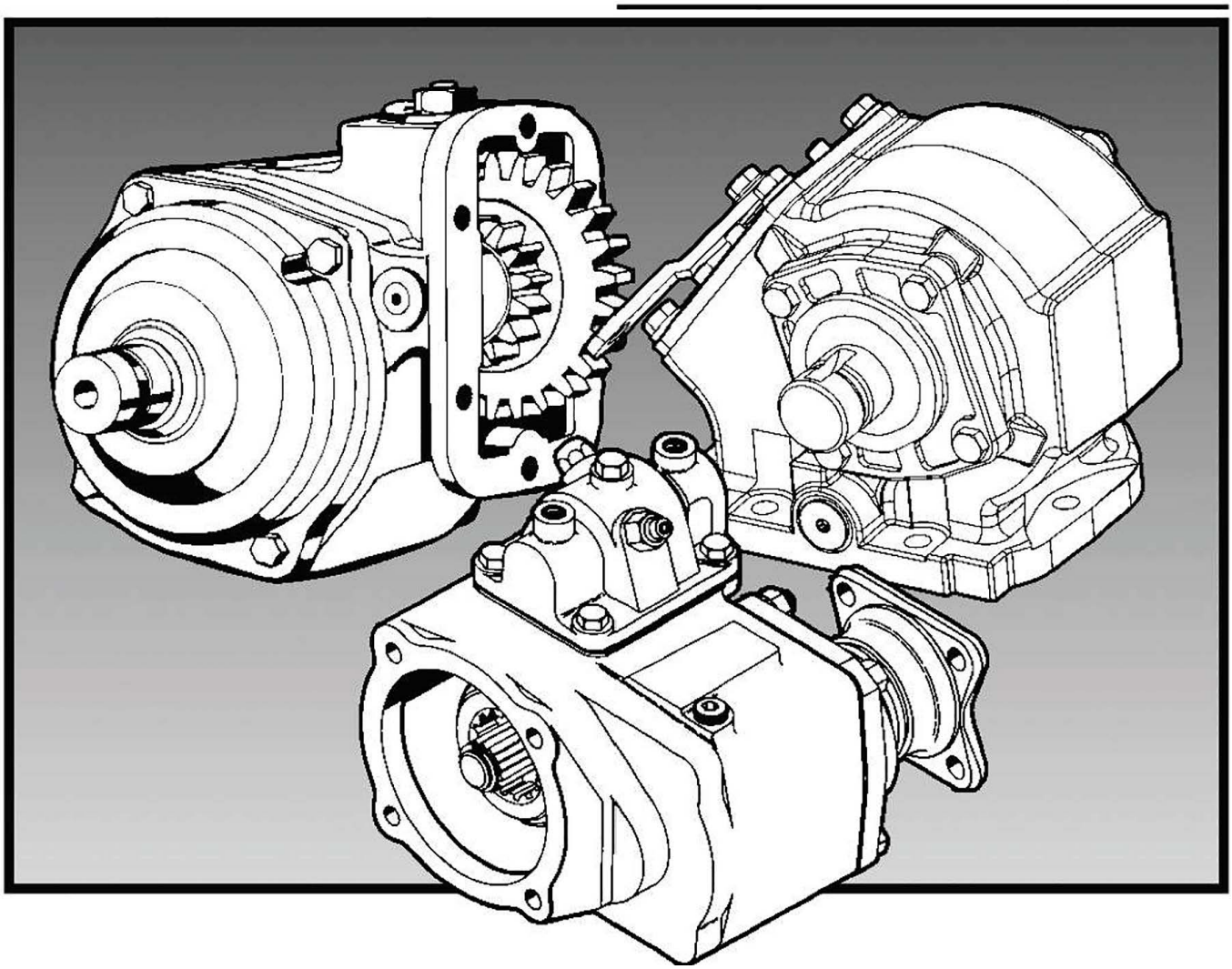
CHELSEA®
Replacement Parts List
243 Series Manual

Bulletin HY25-2243-M1/US

Effective: December 15, 2003
Supersedes: P410-243 Dated January 2000



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Chelsea Products Division
Olive Branch, MS 38654 USA

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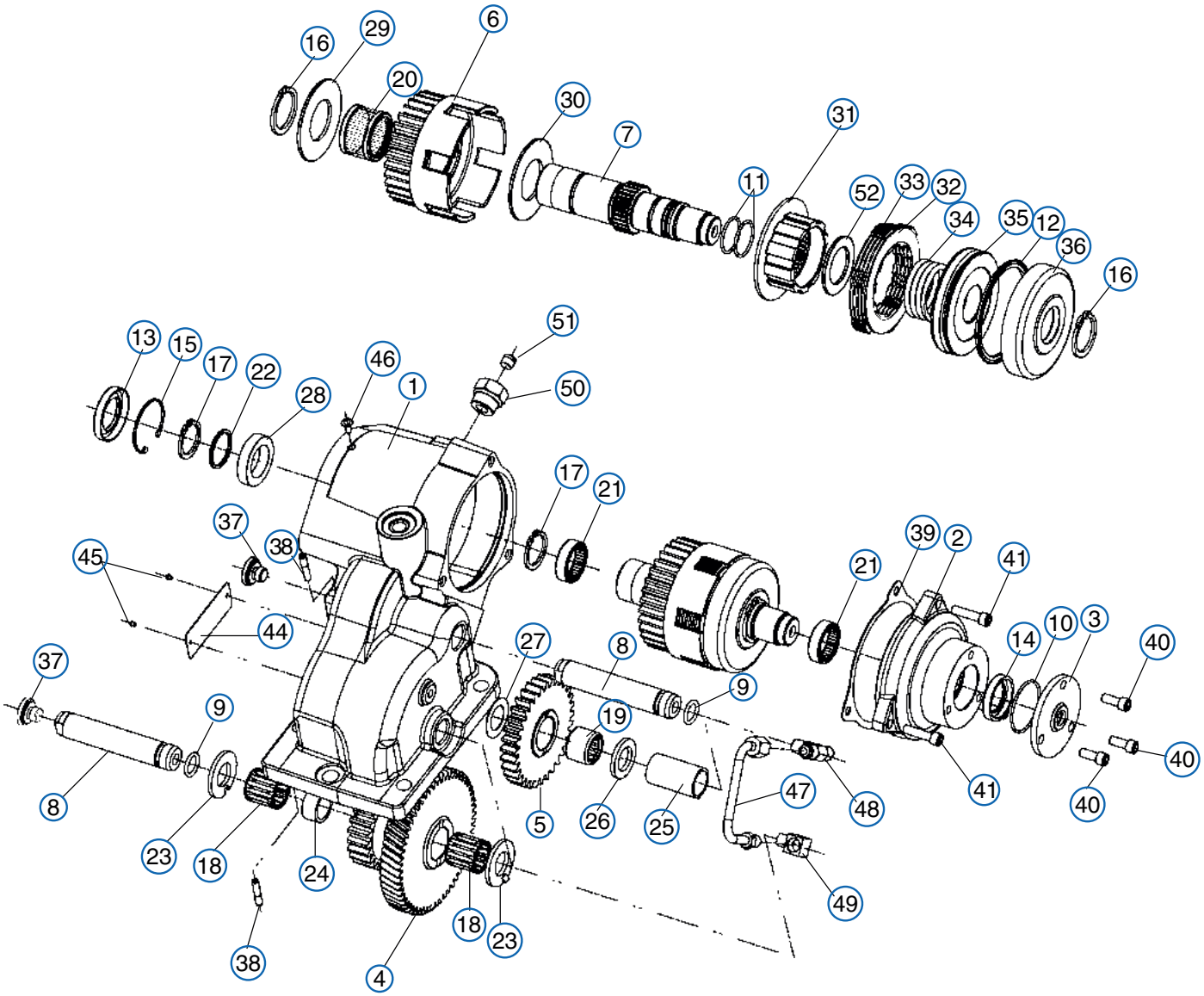

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Item	Part Number	Description	Quantity
1 ▶	1-P-569	Housing	1
2 ▶	21-P-618	Bearing Cap	1
3 ▶	34-P-126	End Cap	1
4	5-P-1265	Input Gear	1
5 ▶	5-P-1232	Idler Gear	1
6	2-P-755	Output Gear	1
7	3-P-936	Output Shaft, (“XE” 5/8"-9 Tooth Spline)	1 or
▶	3-P-937	Output Shaft, (“XB” 1.00" Dia. w/Key)	1 or
	3-P-943	Output Shaft, (“AD” 3/4"-11 Tooth Spline)	1
8 ▶	9-P-90	Idler Shaft	2
9 ▶	28-P-191	O-Ring : Idler Shaft	2
10 ▶	28-P-263	O-Ring - End Cap	1
11 ▶	28-P-266	O-Ring - Output Shaft	2
12 ▶	28-P-265	O-Ring - Piston	1
13 ▶	28-P-264	Low Pressure Oil Seal	1
14 ▶	28-P-119	High Pressure Oil Seal	1
15 ▶	379695	Internal Snap Ring	1
16 ▶	379694	External Snap Ring	2
17 ▶	379693	External Snap Ring	2
18 ▶	550890	Needle Bearing : Input Shaft	2
19 ▶	550306	Needle Bearing : Idler Shaft	1
20 ▶	560998	Needle Roller : Output Gear	1
21 ▶	560999	Needle Roller : Output Shaft	2
22 ▶	31-P-95	Spacer	1
23 ▶	31-P-97	Thrust Washer	2
24 ▶	14-P-70	Spacer Separating Bearings on Input	1
25 ▶	4-P-175	Long Spacer on Idler	1
27 ▶	31-P-99	Thrust Washer	2
26 ▶	31-P-100	Thrust Washer	2
28 ▶	31-P-101	Thrust Washer : Output Shaft	1
29 ▶	31-P-105	Spacer	2
30 ▶	31-P-98	Thrust Washer, Clutch	1
31	2-P-776	Clutch Gear	1
32 ▶	379692	Clutch Plate	4
33 ▶	379691	Friction Disk	5
34 ▶	37-P-56	Clutch Spring	1
35	379704	Piston	1
36 ▶	379705	Back-Up Cylinder	1
37 ▶	379672	NWD Plug	2
38 ▶	379696	Slotted Pin (1.250 LG.)	2
39 ▶	22-P-103	Bearing Cap Gasket	1
40 ▶	379431-3	Hex Cap Screws	3
41 ▶	379431-6	Hex Cap Screws	3
42 ▶	379242	Boss Plug, O-Ring	1
44 ▶	68-P-2	Name Plate	1
45 ▶	378422	Drive Screw for Nameplate	2
46 ▶	379709	Plug, Weep Hole	1
47 ▶	379708	Tube Assy	1
48 ▶	379627	Run Tee	1
49 ▶	379698	Male Elbow Fitting	1
50 ▶	379242	O-Ring Boss Plug (w/o E.O.C.)	1
51 ▶	379231	Pipe Plug (w/o E.O.C.)	1
52 ▶	31-P-108	Spacer Washer	1

N.S. - Not Shown

Item	Part Number	Description	Quantity
		LOOSE PARTS	
N.S.	**7170-100X**	Mounting Kit	
	▶ **28-P-200**	O-Ring	1
	▶ **379908**	Stud, (M10-1.25 & .375-24 x 1.750)	5
	379577-64	Capscrew, (M10-1.25 x 170MM)	1
	▶ **379744**	Nut, (.375-24)	5
	▶ **500007-24**	Woodruff Key (XB Output Only)	2
	▶ **329253-1X**	**INSTALLATION & LABEL KIT**	
	328946X	Caution Label Kit	1
	▶ **379085-2**	Inst Decal	1
	▶ **379624**	Warranty Card	1
	379770	Owners Manual	1
	▶ **35-P-41**	Gasket, Mounting	1
	▶ **329229-4X**	**PUMP MOUNTING KIT**	
	379286-11	Hex Head Screw	1
	▶ **379688**	Anti-Fretting Grease Pack	1
		SERVICE KITS	
	329311-1X	"AD" "XE" Output (Tabbed Thrust Washer)	1
	329311-2X	"XB" Output Only (Tabbed Thrust Washer)	1

N.S. - Not Shown

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Notes

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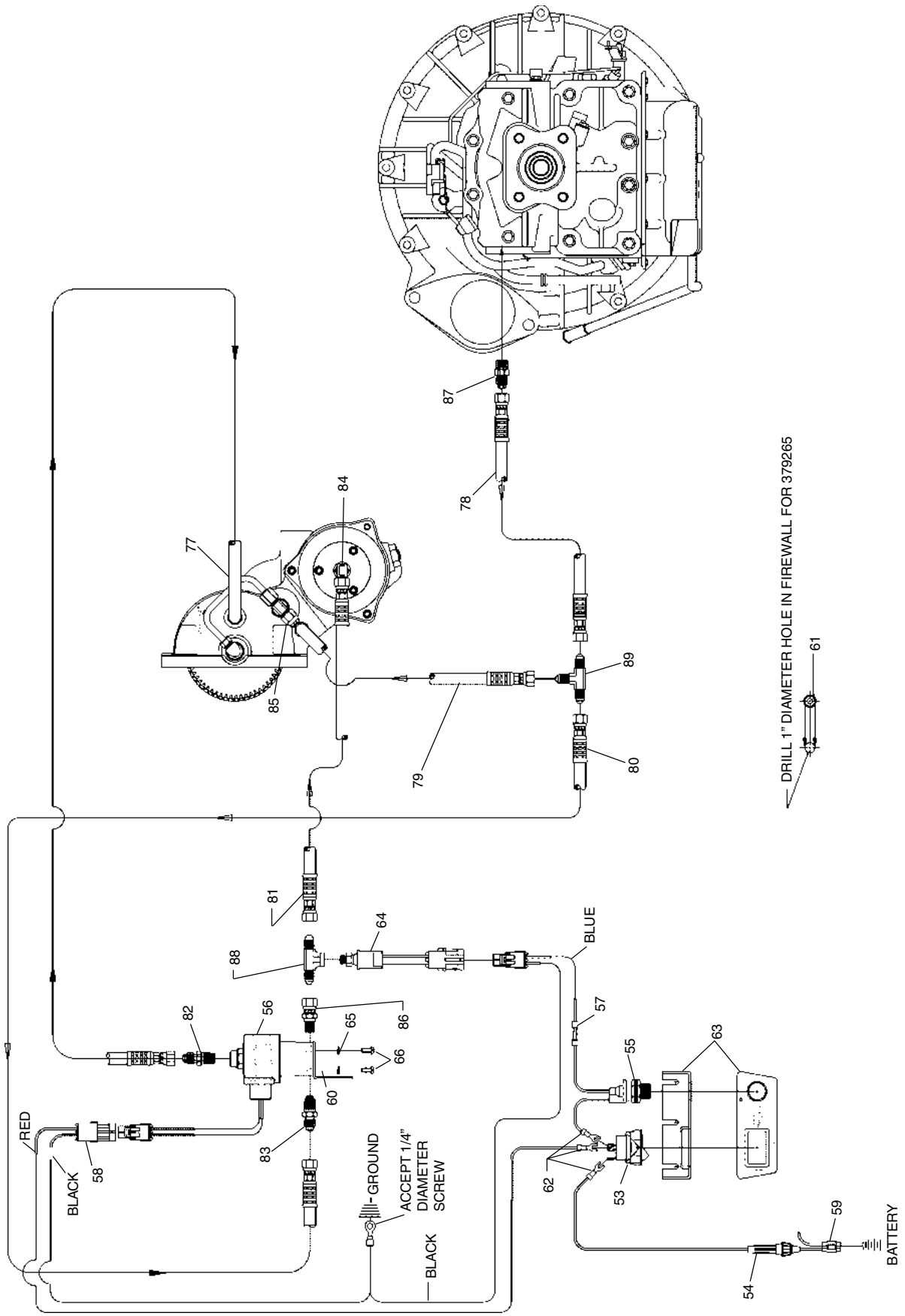
Shift Installation Kit Without Electronic Overspeed Control (SK-322)



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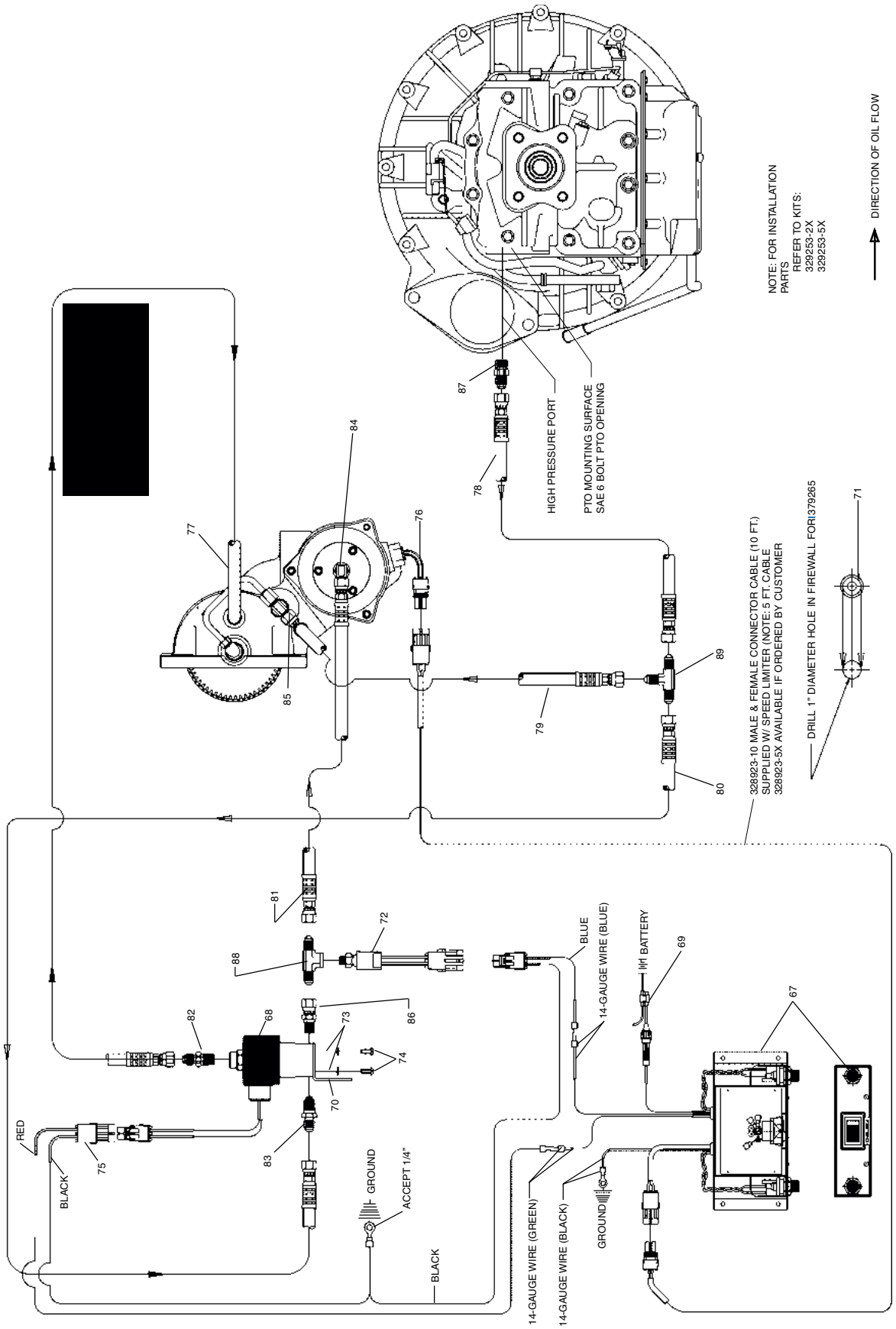
Shift Installation Kit without Electronic Overspeed Control

Item		Part Number	Description	Quantity
	▶	329253-3X	**INSTALLATION KIT, NO E.O.C. OPTION 12V**	
53		378881	Rocker Switch	1
54	▶	378884	Fuse Holder	1
55	▶	378978	Light, Indicator 12V	1
N.S.		-	Wire Ties	6
56		379772-1	Solenoid Valve, 12V and Connector	1
57	▶	379252	Butt Connector	1
58	▶	379736	Cable Assembly	1
59	▶	379257	Splice Connector	1
60	▶	379258	Mounting Bracket, Solenoid	1
61	▶	379265	Grommet	1
62	▶	379306	Spade Connector	3
63	▶	379336	Mounting Bracket, Switch	1
64	▶	379502	Pressure Switch	1
65	▶	500357-7	Lockwasher, Solenoid Bracket	2
66	▶	500457-6	Mounting Screw, Solenoid Bracket	2
	▶	329253-4X	**INSTALLATION KIT, NO E.O.C. OPTION 24V**	
53		378881	Rocker Switch	1
54	▶	378884	Fuse Holder	1
55		379005	Light, Indicator 24V	1
N.S.		-	Wire Ties	6
56		379772-2	Solenoid Valve, 24V and Connector	1
57	▶	379252	Butt Connector	1
58	▶	379736	Cable Assembly	1
59	▶	379257	Splice Connector	1
60	▶	379258	Mounting Bracket, Solenoid	1
61	▶	379265	Grommet	1
62	▶	379306	Spade Connector	3
63	▶	379336	Mounting Bracket, Switch	1
64	▶	379502	Pressure Switch	1
65	▶	500357-7	Lockwasher, Solenoid Bracket	2
66	▶	500457-6	Mounting Screw, Solenoid Bracket	2
		329253-2X	**HYDRAULIC INSTALLATION KIT**	
77	▶	329087X	Hose Assembly	1
78	▶	329130-2X	Hose Assembly	1
79	▶	329130-4X	Hose Assembly	1
80	▶	329130-5X	Hose Assembly	1
81	▶	329130-6X	Hose Assembly	1
82	▶	379280	Flare Fitting	1
83	▶	379449	Adaptor Fitting	1
84	▶	379486	Elbow, 90 Degree O-Ring	1
85	▶	379703	Elbow, 90 Degree Swivel Nut	1
86		379710	Adaptor Fitting	1
87	▶	379749	Male Connector	1
88	▶	379711	Tee, Female Branch	1
89		379773	Male Union Tee	1

N.S - Not Shown

Shift Installation Kit with Electronic Overspeed Control (SK-324)



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Shift Installation Kit With Electronic Overspeed Control

Item		Part Number	Description	Quantity
	▶	329253-5X	**INSTALLATION KIT, With E.O.C. Option 12V**	
67		328924-12X	Electronic Overspeed Control 12V	1
N.S.		379061	Wire Ties	6
68		379772-1	Solenoid Valve, 12V and Connector	1
69	▶	379257	Splice Connector	1
70	▶	379258	Mounting Bracket, Solenoid	1
71	▶	379265	Grommet	1
72	▶	379502	Pressure Switch	1
73	▶	500357-7	Lockwasher, Solenoid Bracket	2
74	▶	500457-6	Mounting Screw, Solenoid Bracket	2
75	▶	379736	Wire & Connector Assy.	1
	▶	329253-6X	**INSTALLATION KIT, With E.O.C. Option 24V (Includes Items 67-75)**	
67		328924-24X	Electronic Overspeed Control 24V	1
N.S.		379061	Wire Ties	6
68		379772-2	Solenoid Valve, 24V and Connector	1
69	▶	379257	Splice Connector	1
70	▶	379258	Mounting Bracket, Solenoid	1
71	▶	379265	Grommet	1
72	▶	379502	Pressure Switch	1
73	▶	500357-7	Lockwasher, Solenoid Bracket	2
74	▶	500457-6	Mounting Screw, Solenoid Bracket	2
75	▶	379736	Wire & Connector Assy.	1
76	▶	379243	Speed Sensor	1
76	▶	28-P-171	O-Ring	1
		329253-2X	**HYDRAULIC INSTALLATION KIT**	
77	▶	329087X	Hose Assembly	1
78	▶	329130-2X	Hose Assembly	1
79	▶	329130-4X	Hose Assembly	1
80	▶	329130-5X	Hose Assembly	1
81	▶	329130-6X	Hose Assembly	1
82	▶	379280	Flare Fitting	1
83	▶	379449	Adaptor Fitting	1
84	▶	379486	Elbow, 90 Degree O-Ring	1
85	▶	379703	Elbow, 90 Degree Swivel Nut	1
86		379710	Adaptor Fitting	1
87	▶	379749	Male Connector	1
88	▶	379711	Tee, Female Branch	1
89		379773	Male Union Tee	1

N.S - Not Shown

Model Number Designation

243 Series

243 A M JF P – B 5 XE

BASIC MODEL
243

MOUNTING TYPE
A = Aisin

GEAR RATIO
G = .75(24/32/32)

INPUT GEAR DESIGNATOR
JF = 31 Tooth Spur

LUBRICATION
P = Pressure Lube

OUTPUT TYPE
Without Pump
XE = SAE "A" 2 Bolt 5/8"-9T Spline
XB = 1.00 Dia Keyed Shaft
AD = 2 Bolt "A" 3/4-11T Spline

With Pump & "XE" Shaft
45 = P16-45A-1D6
65 = P16-65A-1D6
85 = P16-85A-1D6
00 = P16-100A-1D6
15 = P16-115A-1D6

ASSEMBLY ARRANGEMENT
5

SHIFTER TYPE
B = 12V Hydraulic Valve
D = 24V Hydraulic Valve
K = 12V Hydraulic with E.O.C.
L = 24V Hydraulic Valve with E.O.C.

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2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of:

(A) All Power Take-Off units one (1) year from date of installation.

(B) Except 267, 277, 278, 242, 244, 245, 250, 251 and 859 series two (2) years from date of installation. **THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.**

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7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

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10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. Patents, U.S. Trademarks, copyrights, trade dress and trade secrets (hereinafter 'Intellectual Property Rights'). 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 an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter 'Events of Force Majeure'). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.

12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain there/to. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

9/01-P

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