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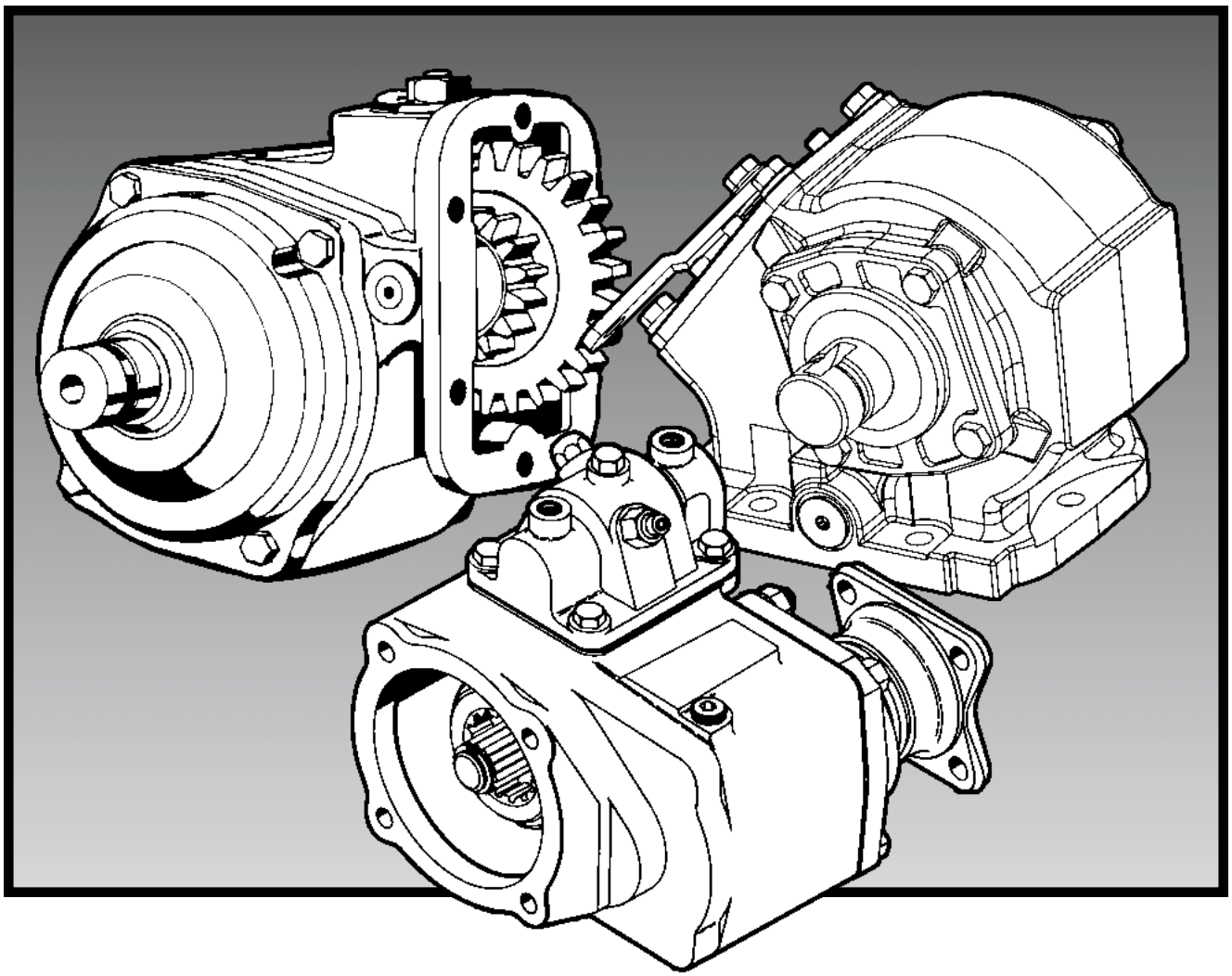
CHELSEA®
Replacement Parts List
340 Series Manual

Bulletin HY25-2340-M1/US

Effective: March 15, 2002
Supersedes: P410-340 Dated June 1995



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Chelsea Products Division
Olive Branch, MS 38654 USA

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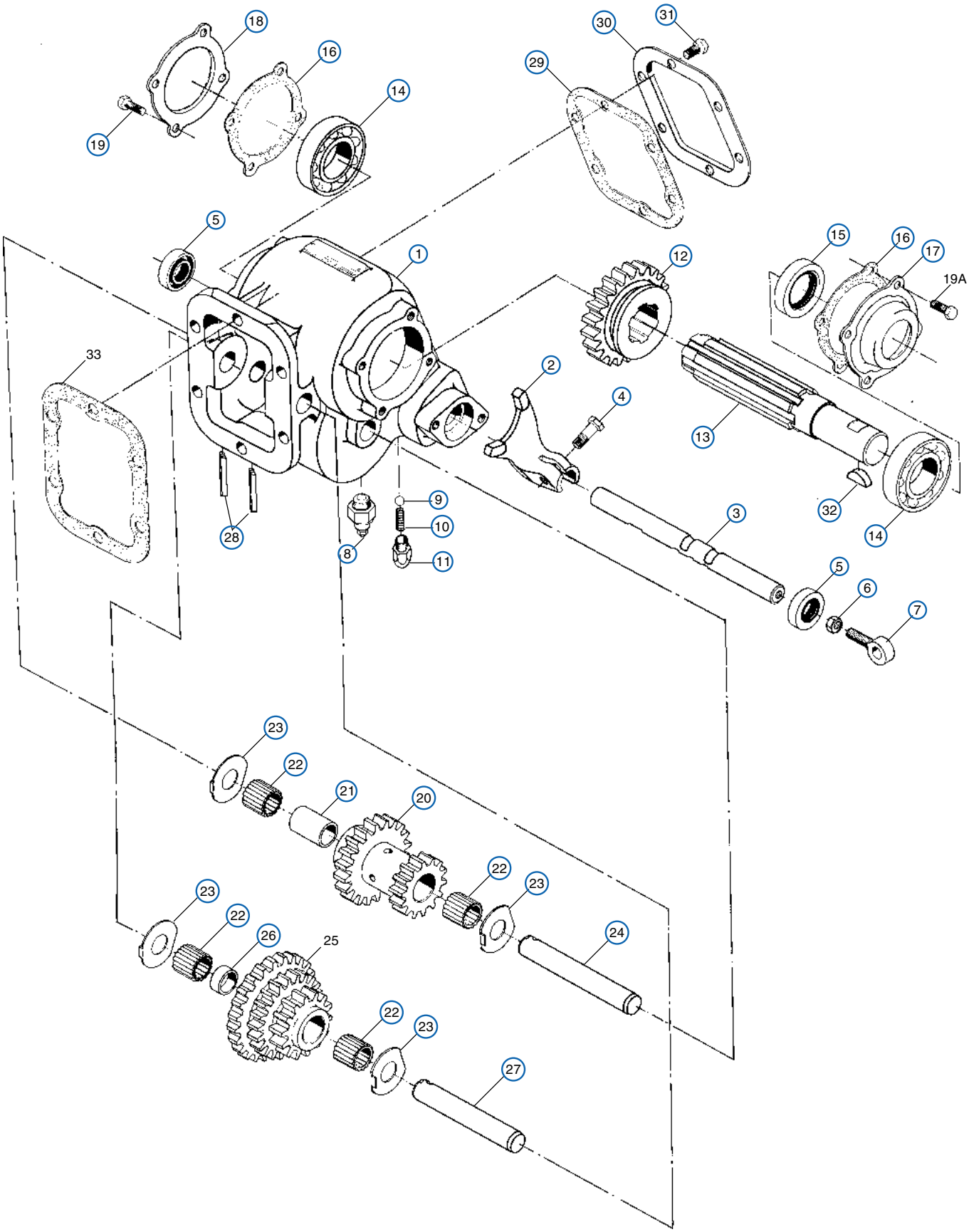

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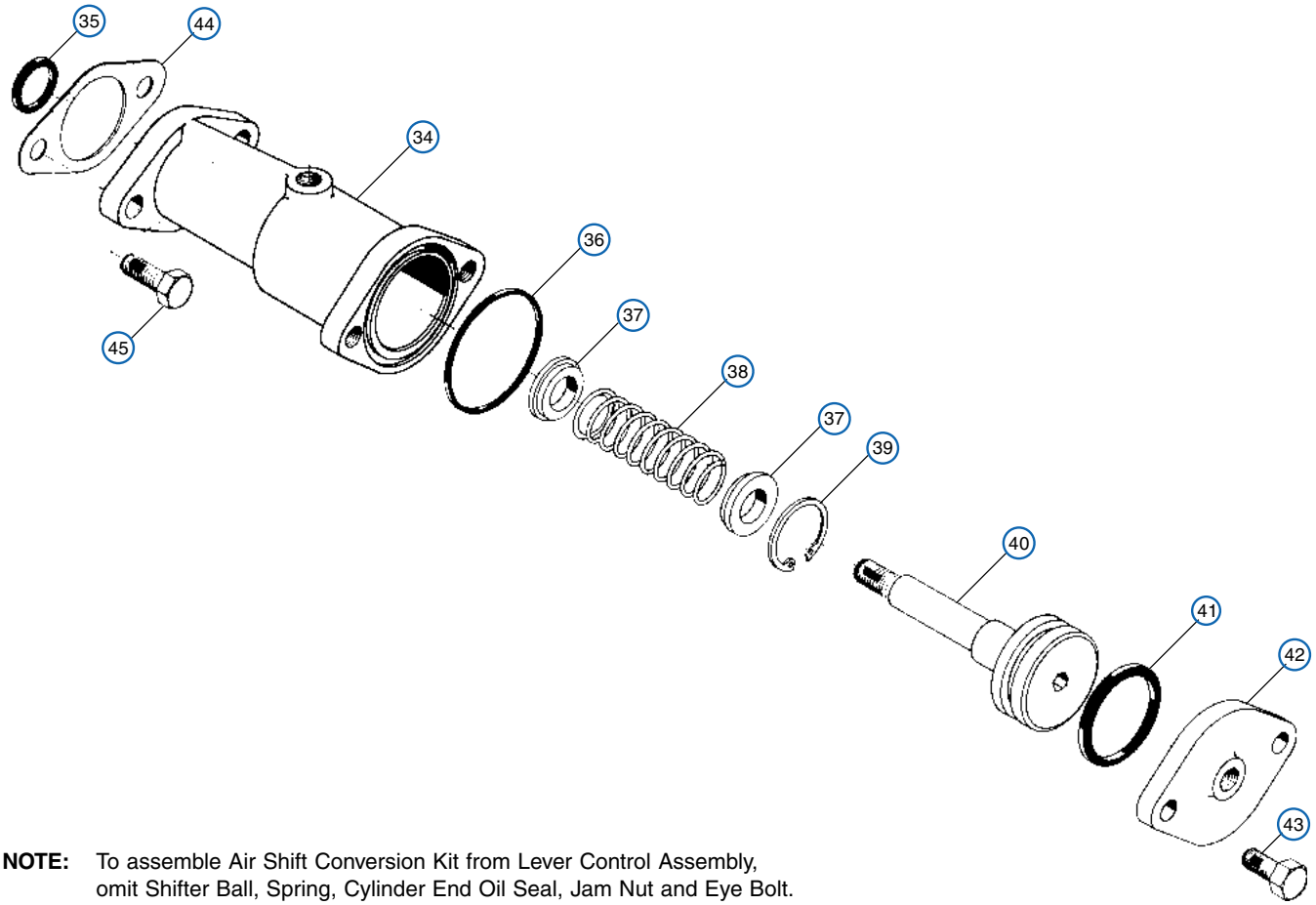
Item		Part Number	Description	Quantity
1	▶	1-P-384	Housing, Standard Mount	1
	▶	1-P-502	Housing, Deep Mount	1
2	▶	32-P-67	Shifter Fork	1
3	▶	11-P-125	Shifter Shaft	1
4	▶	379687-12	Screw, Self-Locking Hex head (.375" - 16 x 1.25")	2
5	▶	28-P-207	Oil Seal (1.375" Outside Diameter)	2
N.S.		65-P-23	Shifter Shaft Cover	1
N.S.		378430-4	Hex Head Capscrew (.312"-18 X .50")	2
6	▶	500381-3	Jam Nut (.375" - 24)	1
7	▶	36-P-1	Eye Bolt	1
8		379639	Indicator Switch	1
9	▶	378002	Shifter Ball (.437" Diameter)	1
10	▶	37-P-41	Shifter Spring	1
11	▶	378554	Spring Cap	1
12	▶	2-P-558	Gear, Output (27 Teeth)	1
13	▶	3-P-763	Driveshaft, Output	1
14	▶	550010	Ball Bearing	2
15	▶	28-P-224	Oil Seal (2.062" Outside Diameter)	1
16	▶	22-P-71	Bearing Cap Gasket	2
17	▶	21-P-641	Bearing Cap, Output	1
18	▶	21-P-46	Bearing Cap, Closed End	1
19	▶	378430-8	Screw, Self-Locking Hex Head (.312"-18 x .750")	4
19A		378430-10	Screw, Self-Locking Hex Head (.312"-18 x 1.00")	4
20	▶	33-P-69	Gear, Reverse Idler (20-14 Teeth)	1
21	▶	14-P-33	Spacer, Roller Bearing, Reverse Idler (1.421" Diameter)	1
22	▶	550890	Roller Bearing	4
23	▶	31-P-80	Thrust Washer	4
24	▶	39-P-3	Shaft, Reverse Idler (5.375" Long)	1
25		See Chart Pg. 4	Gear, Input	1
26	▶	14-P-32	Spacer, Roller Bearing, Input Idler (.375" Diameter)	1
27	▶	9-P-60	Shaft, Input Idler (4.875" Long)	1
28	▶	500597-18	Roll Pin	2
29	▶	35-P-59	Cover Gasket (.032")	1
30		34-P-16	Cover	1
31	▶	378431-4	Screw, Self-Locking Hex Head (.375" - 16 x .500")	6
32	▶	500007-29	Woodruff Key (.312" x 1.062")	1
			Loose Parts	
	▶	328948-6X	Gasket & Installation Instructions	1
33		35-P-9-1	Gasket, Housing (.010")	A.R.
		35-P-9-2	Gasket, Housing (.020")	A.R.
			P.T.O. Mounting Stud Kits	
N.S.		7170-1X	Stud Kit (340X)	1
N.S.		7-A-140	P.T.O. Spacer (Standard Mount Only) (340X)	1
N.S.		328170-95X	Stud Kit (340S & 340Z)	1
			Service Kits	
	▶	328356-24X	Gasket & Seal Kit	1
	▶	328356-27X	Seal Kit, Air Shift Cover	1
	▶	328751-1X	Wire or Lever Installation Kit	1

N.S. — Not Shown A.R.—As Required



NOTE: To assemble Air Shift Conversion Kit from Lever Control Assembly, omit Shifter Ball, Spring, Cylinder End Oil Seal, Jam Nut and Eye Bolt.

Item		Part Number	Description	Quantity
	▶	**328911X**	Air Shift Cover Assembly (G4 & A5)	
	▶	**328912X**	Air Shift Cover Assembly (A4 & G5)	
			(Includes Items 34-43)	
	▶	**328819X**	Air Shift Sub Assembly	
34	▶	**65-P-15**	Cylinder	1
35	▶	**28-P-71**	O-Ring (.875" Outside Diameter)	1
36	▶	**28-P-250**	O-Ring (2.0" Outside Diameter)	1
37	▶	**379102**	Spring Retainer Washer	2
38	▶	**37-P-50**	Spring	1
39	▶	**379103**	Retainer Ring	1
40	▶	**66-P-11**	Piston	1
41	▶	**28-P-61**	O-Ring (1.825" Outside Diameter)	1
42	▶	**34-P-81**	Cylinder Cap	1
43	▶	**378430-9**	Screw, Self-Locking Hex Head (.312" - 18 x .875")	2
44	▶	**35-P-14**	Cylinder Mounting Gasket	1
45	▶	**378430-9**	Screw, Self-Locking Hex Head (.312" - 18 x .875")	2
N.S.		**328388-40X**	Air Shift Installation Kit	1
			Conversion Kit	
		382390-92X	Lever to Air (All Assemblies)	1

N.S. — Not Shown

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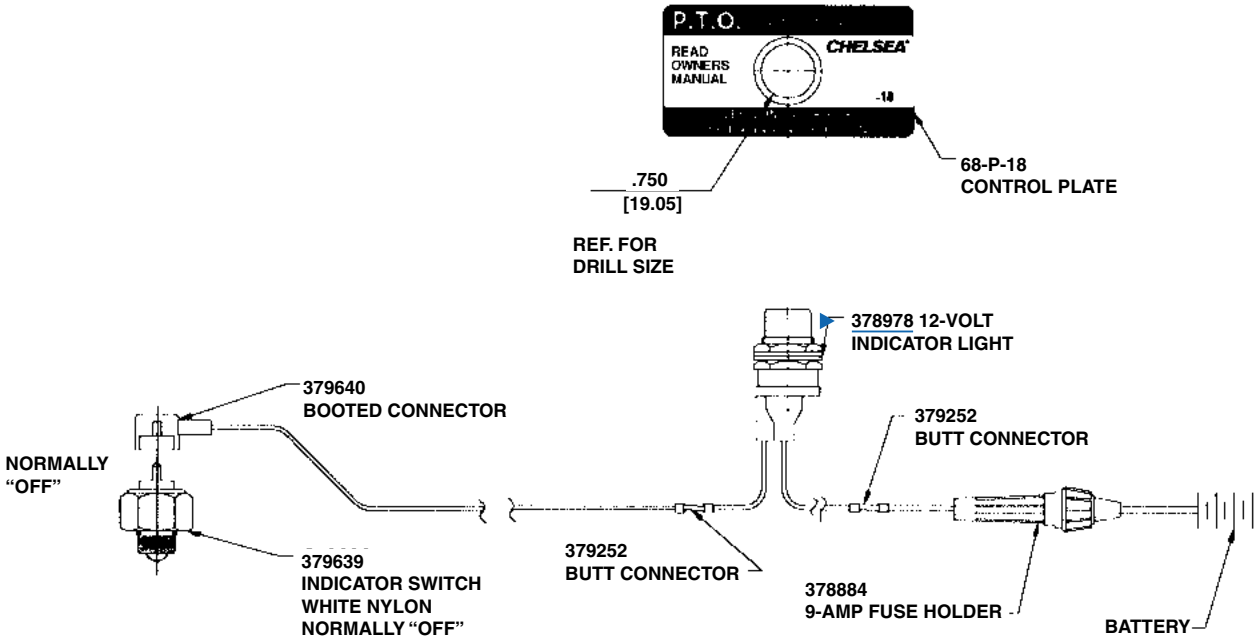
Lever Control Indicator Light Installation Kit 328751-1X



Input Gear Chart

P.T.O. Model	Input Gear	Number Teeth	Transmission Applications	Helix Angle
340*FAB	**5-P-579**	19-21-14	Universal 5-Pitch	Spur
340*FAH	**5-P-581**	23-21-24	Universal 6-Pitch	Spur
340*FAP	**5-P-845**	21-21-14	Spicer CM-4954A & D, ES-52-5A & D	Left Hand
340*FAR	**5-P-582**	21-21-14	Spicer CM60, 6000 Series	Left Hand
340*FBG	**5-P-580**	23-21-14	Spicer 5000 Series & ES60-5A, C & D	Left Hand
340*FBQ	**5-P-720**	25-21-14	Chev. CH465, SM465 & Spicer ES42-5A & 5D	Left Hand
340*FDA	**5-P-634**	23-21-14	Mack 2080	Spur
340*FDB	**5-P-803**	39-21-14	Fuller T-8607A & B, T-1106, T-1107A & B	Spur
340*FDJ	**5-P-921**	28-21-14	Renault BDSL-2142	Left Hand
340*FDU	**5-P-883**	28-21-14	Fuller FS-5506, 7206A & 8206A	Left Hand
340*FEC	**5-P-896**	36-21-14	Zed F S5-42 Close Ratio	Left Hand
340*FED	**5-P-897**	34-21-14	Zed F S5-42 Wide Ratio	Left Hand
340*FES	**5-P-884**	22-21-14	Fuller FS-5106A, FS-6005A	Left Hand
340*FET	**5-P-948**	23-21-14	Fuller FS-6005B, FS-6105B	Left Hand
340*FEW	**5-P-886**	20-21-14	Fuller FS-3005A & B & 4005	Left Hand
340*FFN	**5-P-931**	26-21-14	Spicer ES52-7A, ESO65-7A	Left Hand
340*FFP	**5-P-992**	23-21-14	Renault G405, G406	Left Hand
340*FJW	**5-P-1404**	23-21-14	Eaton	Left Hand
340*FHY	**5-P-1245**	26-21-14		Left Hand
340*FJU	**5-P-1377**	25-21-14		Left Hand
340SFDM	**5-P-726**	16-21-14	CL-450,CL-455	Left Hand
340SFDMX	**5-P-727**	17-21-14	CL-451	Left Hand

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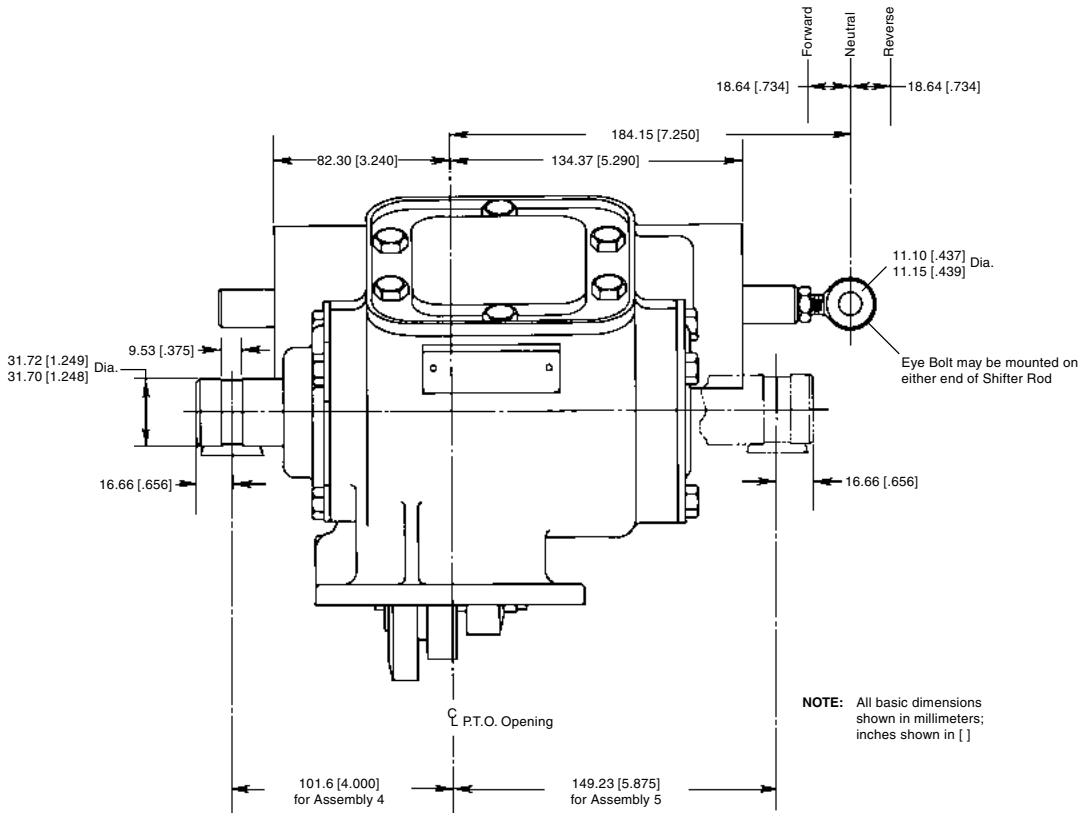

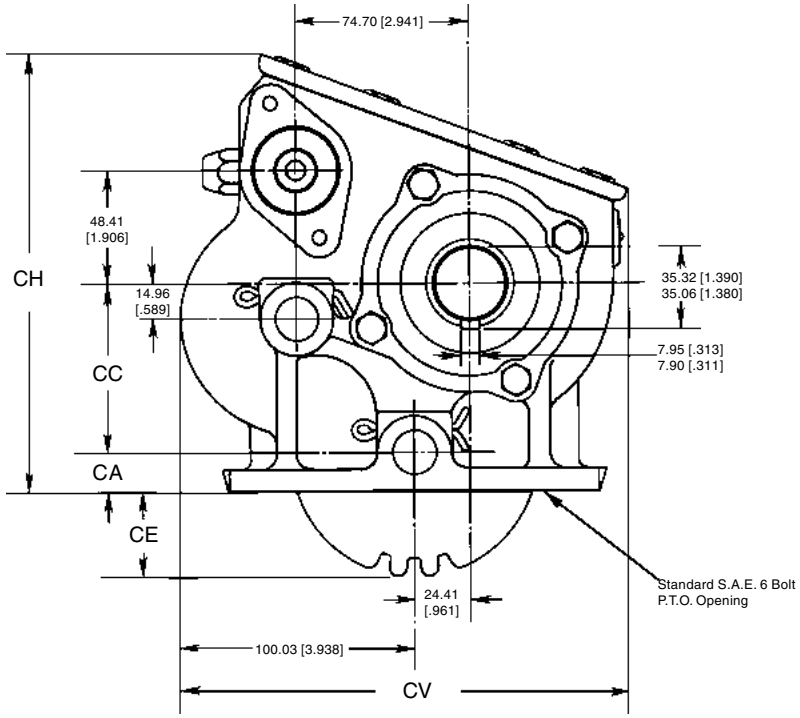

P.T.O. Series	CA	CC	CE	CH	CV
340X (with 7-A-140)	.798	2.843	1.280	7.515	7.562
340S (without 7-A-140)	.658	2.843	1.420	7.375	7.562
340Z	.573	2.843	1.505	7.290	7.562

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Model Number Designation

340 Series

340 X F AB X - Y 4 XD

Basic Model
340 Series

Mounting Type
X = Standard Mount (Includes 7-A-140)
S = Special Deep Mount (Does not include 7-A-140)
Z = Standard Deep Mount

Gear Ratio
F = .520:1

Input Gear Designator

Lubrication
X = No Option Available

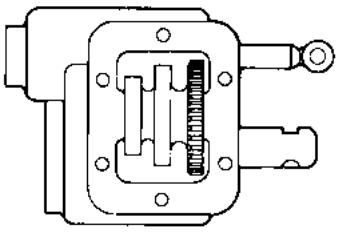
Output Type Dual Shaft
XD = 1.25" Round

Assembly Arrangement
4, 5

Shifter Type
***A** = Air Shift (w/cylinder same side as output)
***G** = Air Shift (w/cylinder opposite output)
Y = Lever

* Remove Ball & Spring (Items #9 & 10) when air shift cylinder is added to unit. Neutral spring in air cylinder does not develop enough pressure to over come Spring & Poppet ball, in poppet cap

Assembly Arrangements



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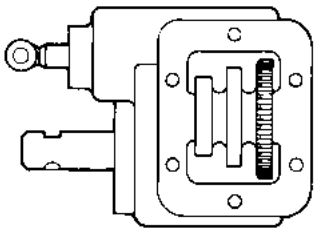

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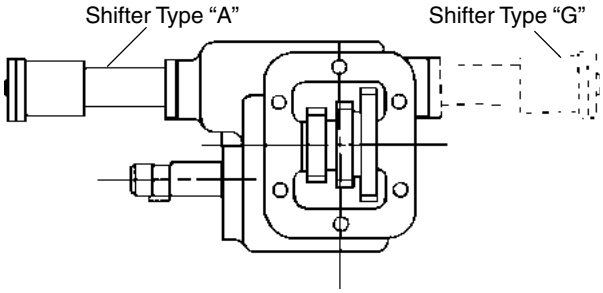

Specifications

Torque Rating	200 Lbs. Ft.*
Horsepower Rating 500 RPM of Output Shaft 1000 RPM of Output Shaft	 19* 38 *
Approximate Weight	38 Lbs.

* Based on Intermittent Service

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Notes

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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.

8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property, Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.

9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.

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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.

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