Muncie 8405 Series PTO Parts & Service Manual

Pro Gear presents Muncie 8405 Series PTO Parts & Service Manual to assist in identifying the parts for your Muncie Power Take Off unit.

If you need any assistance identifying the correct Power Take Off unit for your truck and equipment, contact your Muncie replacement part specialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Muncie PTO including: PTO housings, mounts, driveshafts, gears, bearings, gaskets, cable shift cover assembly, post and plate assembly, brackets, stud kits, seal kits, lever control assembly, air shift cover assembly, direct mount pump conversion kits, stud kits including English and metric references, and much more.

Pro Gear Transmission has same day shipping and 1000’s of products in stock and ready to ship internationally for your next project.

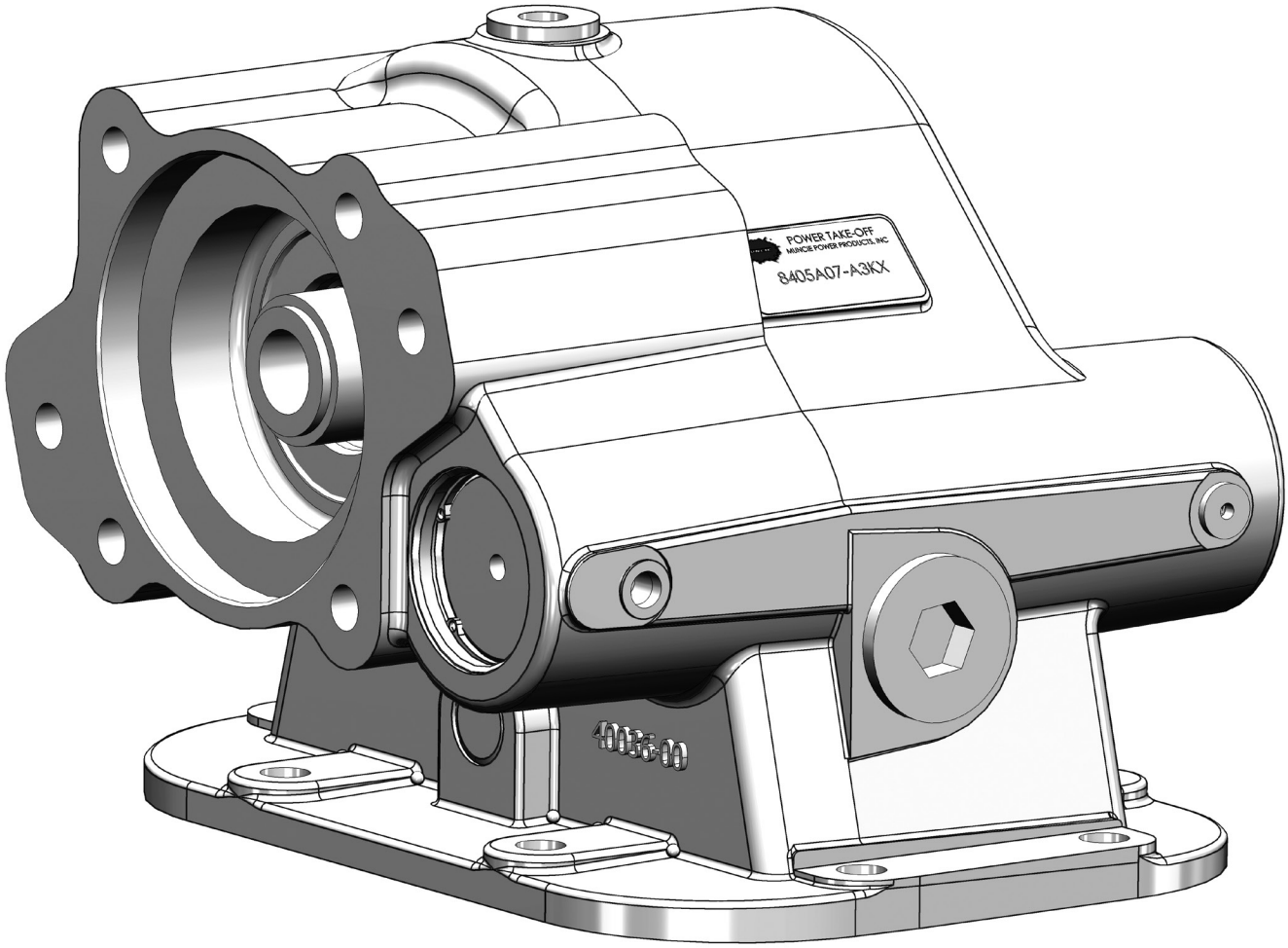
For parts or service contact the Muncie specialists at Pro Gear & Transmission, Inc.

1 (877) 776-4600
(407) 872-1901
parts@eprogear.com

Check Inventory **Email Us** **Call Us**

8405/6A SERIES PTO

SERVICE PARTS AND SERVICE MANUAL



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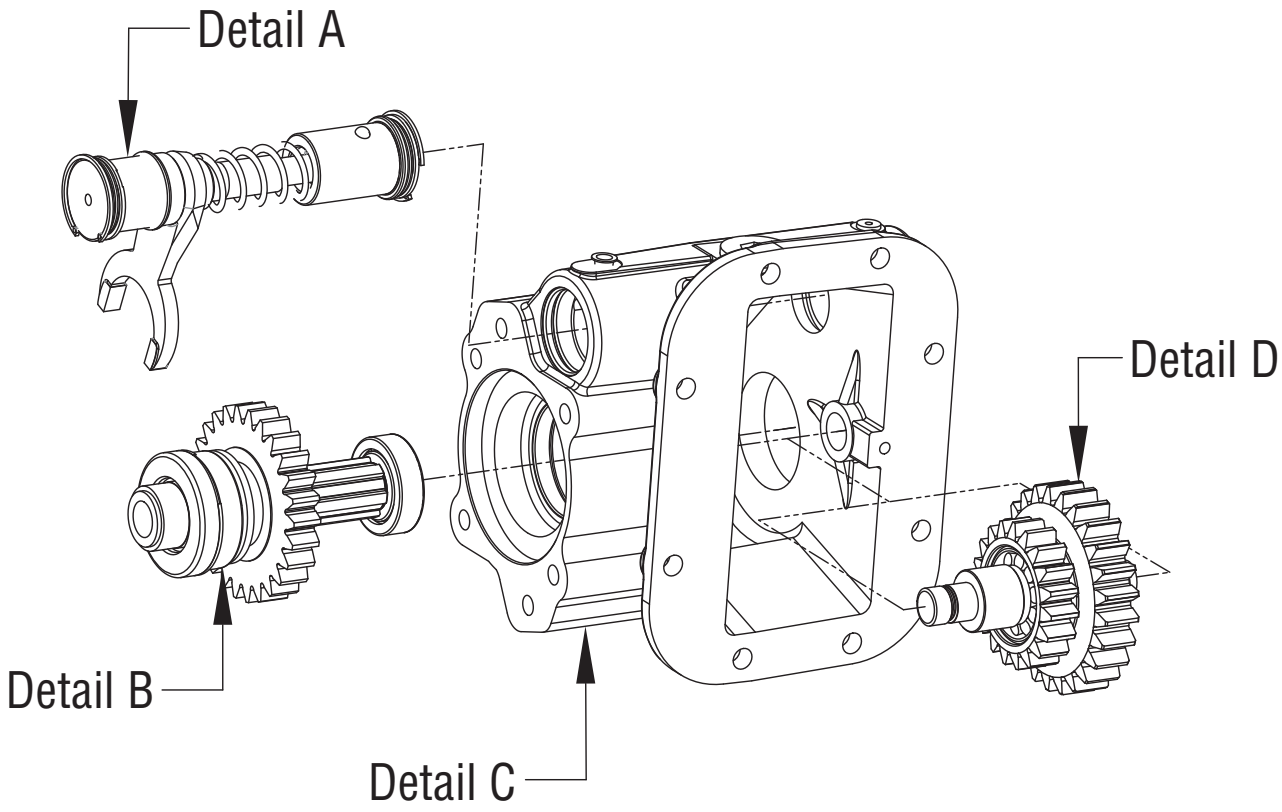
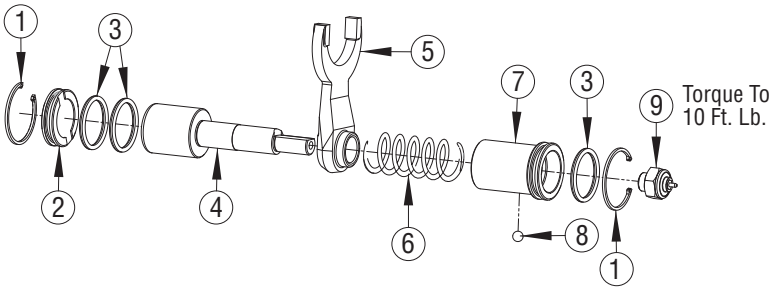
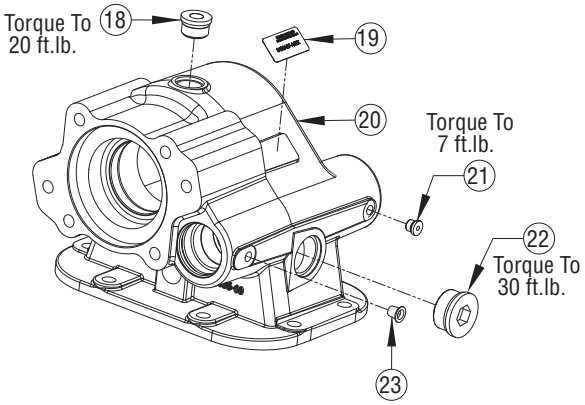
EXPLODED VIEW



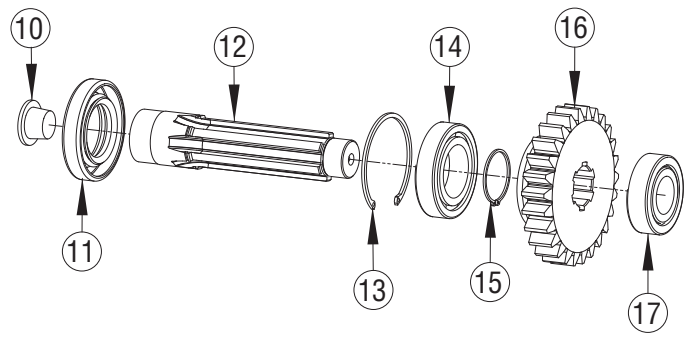
DETAIL A: PISTON ASSEMBLY



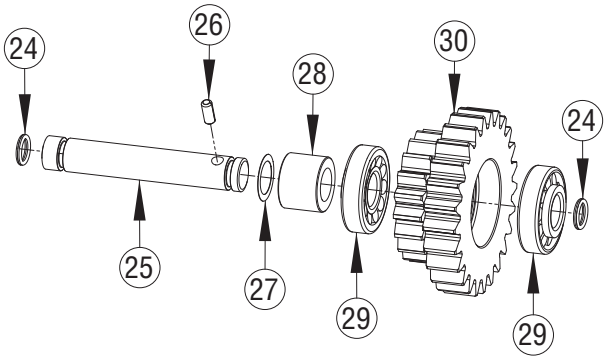
DETAIL C: PTO HOUSING



DETAIL B: OUTPUT SHAFT ASSEMBLY



DETAIL D: IDLER SHAFT ASSEMBLY



PARTS LIST AND DESCRIPTION

ITEM	QTY.	PART NO.	DESCRIPTION
1	2	24T40067	Snap Ring
2	1	16T39433	Cover Ring
3	3	12T40068	O-Ring
4	1	49T39434	Piston
5	1	28T40070	Shift Fork
6	1	27T40071	Spring
7	1	49T39432	Cover
8	1	10T40072	Ball 5⁄16"
9	1	30T38111	Indicator Switch *(shipped loose)*
10	1	25T35724	"K" Shaft Cap Plug
	1	25T35725	"P" Shaft Cap Plug
11	1	11T39278	Seal 35 x 62 x 8
12	1	See Chart	Output Shaft *(Chart 1 Below)*
13	1	24T40065	Snap Ring
14	1	10T40064	Bearing
15	1	24T40066	Snap Ring
16	1	See Chart	Output Gear *(Chart 1 Below)*
17	1	10T21042	Bearing
18	1	25T35516	Plug

ITEM	QTY.	PART NO.	DESCRIPTION
19	1	36MCL100	Nameplate
20	1	01T39457	PTO Housing
21	1	25T40652	Plug
22	1	25T40078	Plug
23	1	25T34029	Plug
24	1	12T37037	O-Ring
25	1	07T39435	Idler Shaft
26	1	26T36175	Roll Pin ¼" x 5⁄8"
27	1	See Chart	Spacer * *(Chart 2 Below)*
28	1	18T39456	Spacer
29	2	10T40073	Bearing
30	1	See Chart	Input Gear *(Chart 1 Below)*
N.S.	1	26T01627	Key ("B" Shaft only)
N.S.	1	8405-GSK	Gasket and Seal Kit (Includes items: 3, 11, & 24)
N.S.	1	8405-RBK	Rebuild Kit (Includes items: 1, 3, 6, 11, 13-15,17, 24, 26, 29)

CHART 1 – GEAR & SHAFT FOR PTO

PTO MODEL	OUTPUT SHAFT Item 12	OUTPUT GEAR Item 16	TEETH Item 16	INPUT GEAR Item 30	TEETH Item 30
8405A07-A3KX	06T39430	02T39442	26	03T39436	25/19
8405A08-A3KX	06T39430	02T39441	25	03T39439	25/21
8405A09-A3KX	06T39430	02T39440	24	03T39437	25/24
8406A07-A3KX	06T39430	02T39442	26	03T39438	27/19
8405A07-A3PX	06T39431	02T39442	26	03T39436	25/19
8405A08-A3PX	06T39431	02T39441	25	03T39439	25/21
8405A09-A3PX	06T39431	02T39440	24	03T39437	25/24
8406A07-A3PX	06T39431	02T39442	26	03T39438	27/19
8405A07-A3BX	06T40481	02T39442	26	03T39436	25/19
8405A08-A3BX	06T40481	02T39441	25	03T39439	25/21
8405A09-A3BX	06T40481	02T39440	24	03T39437	25/24

CHART 2

Spacer Shims*

SPACER/SHIM	DIM. (MM)
18T40074	20 x 28 x 0.20
18T40075	20 x 28 x 0.30
18T40076	20 x 28 x 0.50

** Use shims as required to set end play in gear to 0.002"-0.005".*

MODEL NUMBER CONSTRUCTION

8405A* 07 - A 3 K X

PTO Type
8405A
(6P-20° PA Spur) U68

8406A
(6.48P-17.5° PA Spur) M65

Speed Ratio
07
08
09

**8405B includes metric stud kit*

Special Features
X—None

Output Type
K—SAE 'B' Pump Mount
P—SAE 'B-B' Pump Mount
B—1¼ Rd. – 5⁄16" KW

Assembly Arrangement
3 Only

Shifter Type
A—Air Shift Only
P—Less Activation Kit

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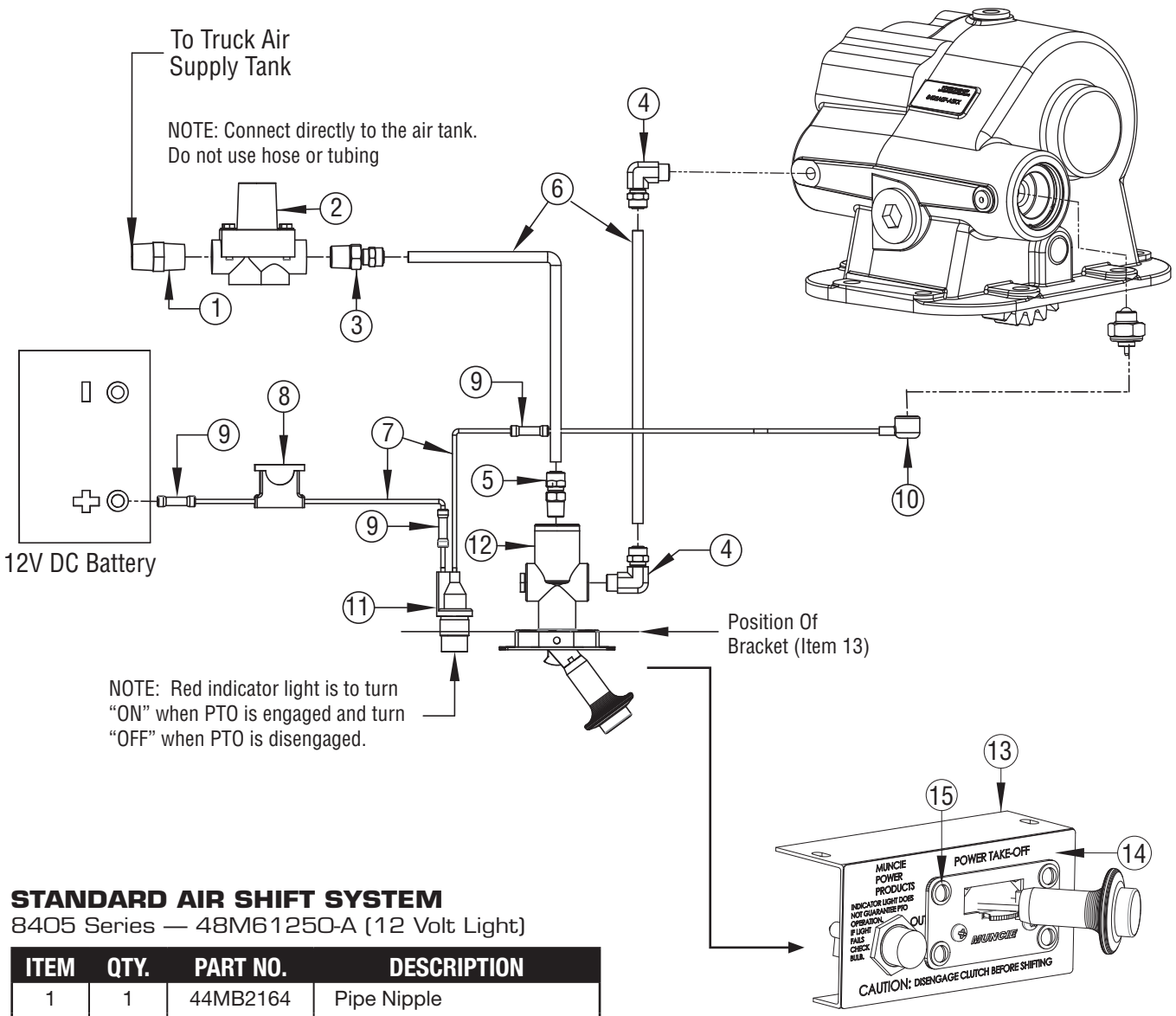
8405/6A SERIES STANDARD AIR SHIFT SYSTEM "A"

48M61250-A (12V Light)



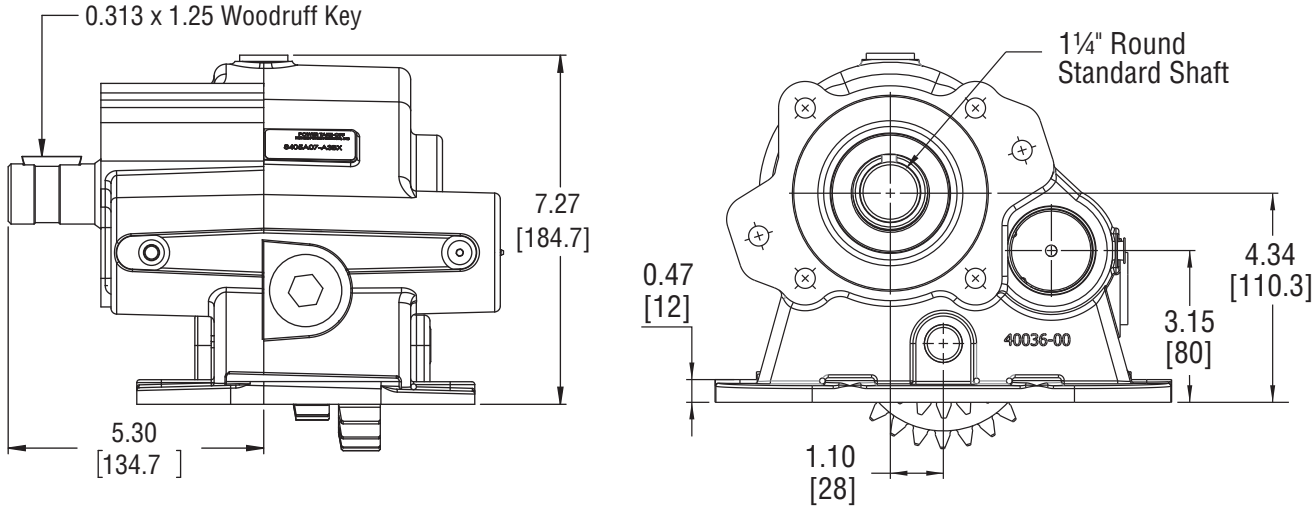
STANDARD AIR SHIFT SYSTEM

8405 Series — 48M61250-A (12 Volt Light)

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	44MB2164	Pipe Nipple
2	1	31M15759	Pressure Protection Valve
3	1	44MB6844	Tube Fitting
4	1	44MB6942	Tube Fitting (Elbow)
5	1	44MB6842	Tube Fitting
6	1	45M44430	Air Tubing (30 ft. x 0.25")
7	12 ft.	37M18000	Electrical Wire -18 GA
8	1	33T36299	Fuse Assembly
9	3	34M18002	Butt Splice
10	1	34T38163	Booted Connector
11	1	32M12001	12V Light
12	1	35M18653	Air Valve
13	1	36MA1004	Dash Bracket
14	1	36M01005	Face Plate
15	1	36MK1007	Bolt Kit

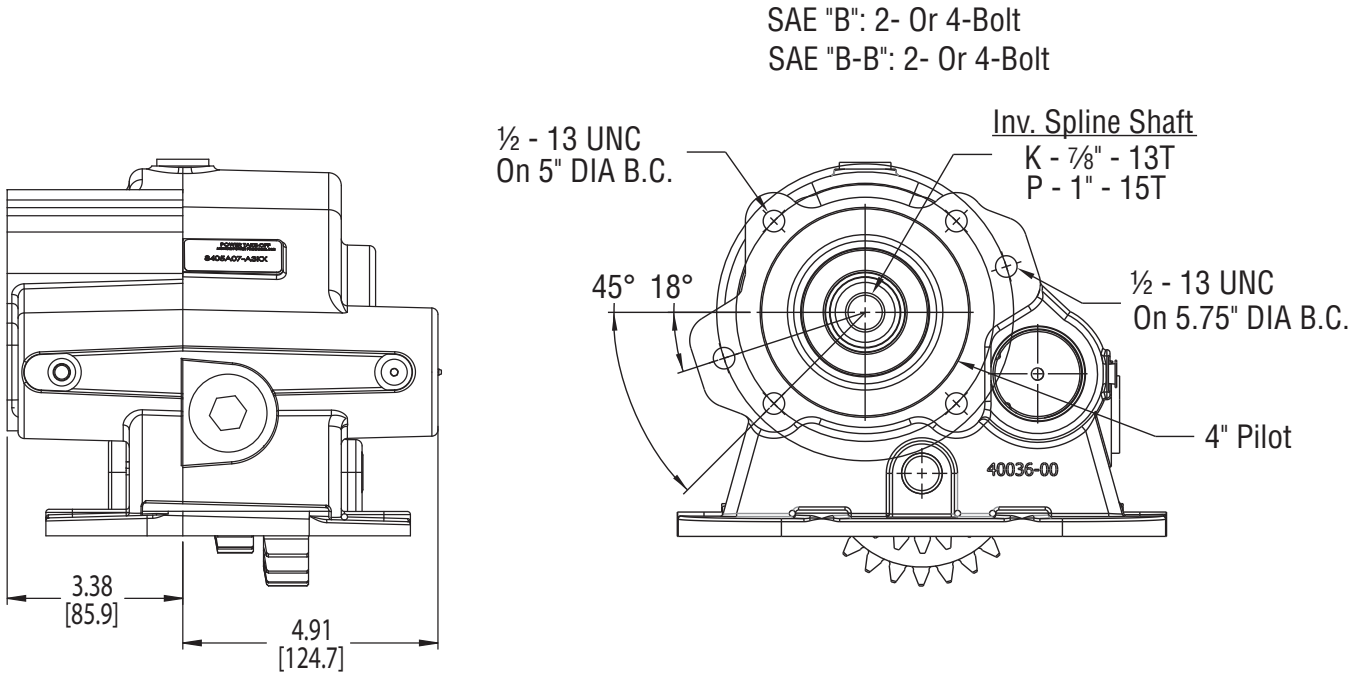
8405/6A SERIES DIMENSIONS IN INCHES (MM)

"B" OUTPUT OPTION - 1¼" Round



"K" OUTPUT OPTION - SAE "B" ⅞"–13T

"P" OUTPUT OPTION - SAE "B-B" 1"–15T



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INSTALLATION KITS

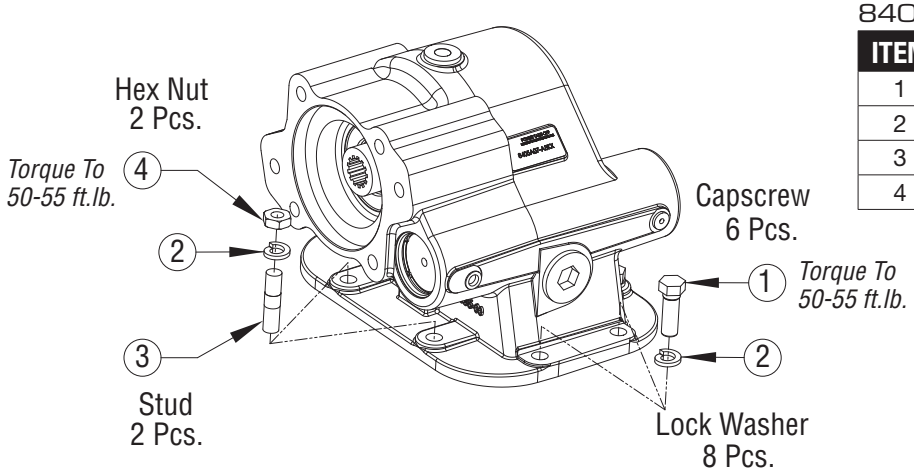
48TK4965 "A" Shift Option
8405A/8406A

ITEM	QTY.	PART NO.	DESCRIPTION
N.S.	1	30T38111	Indicator Switch
N.S.	1	20MK8800	Stud Kit
N.S.	1	36MK3841	Safety Labels
N.S.	1	52MK1004	Gasket/Instr. Pack

48TK4966 "P" Shift Option
8405A/8406A

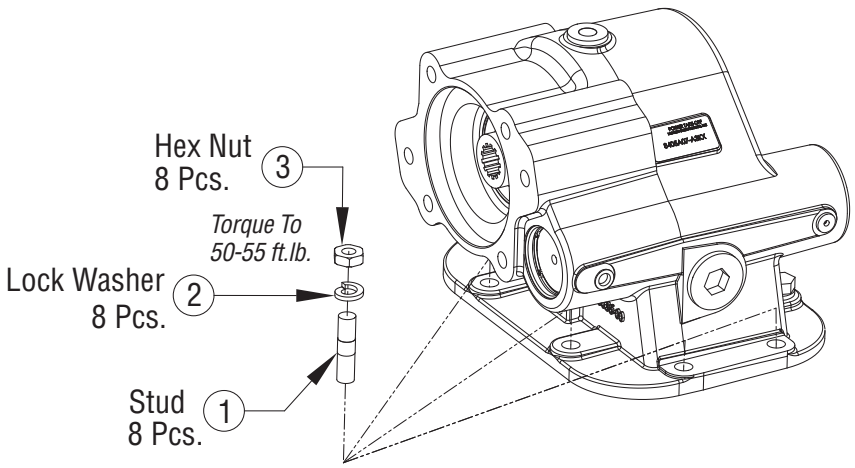
ITEM	QTY.	PART NO.	DESCRIPTION
N.S.	1	30T38111	Indicator Switch
N.S.	1	34T38163	Switch Connector
N.S.	1	20MK8800	Stud Kit
N.S.	1	36MK3841	Safety Labels
N.S.	1	52MK1004	Gasket/Instr. Pack

** Less Activation Kit from the "A" Shift option*



STUD KIT - 20MK8800
8405A/8406A

ITEM	QTY.	PART NO.	DESCRIPTION
1	6	19M44138	Capscrew
2	8	21ML4375	Lockwasher
3	2	20M44175	Stud
4	2	22MX4420	Hex Nut



STUD KIT - 20MKM801 (METRIC)
8405B/8406B

ITEM	QTY.	PART NO.	DESCRIPTION
1	8	20M47050	Stud (Metric)
2	8	21ML4375	Lockwasher
3	8	22MX4420	Hex Nut

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