



Muncie CD05 Series PTO Parts & Service Manual

Pro Gear presents Muncie CD05 Series PTO Parts & Service Manual to assist in identifying the parts for your Muncie Power Take Off unit.

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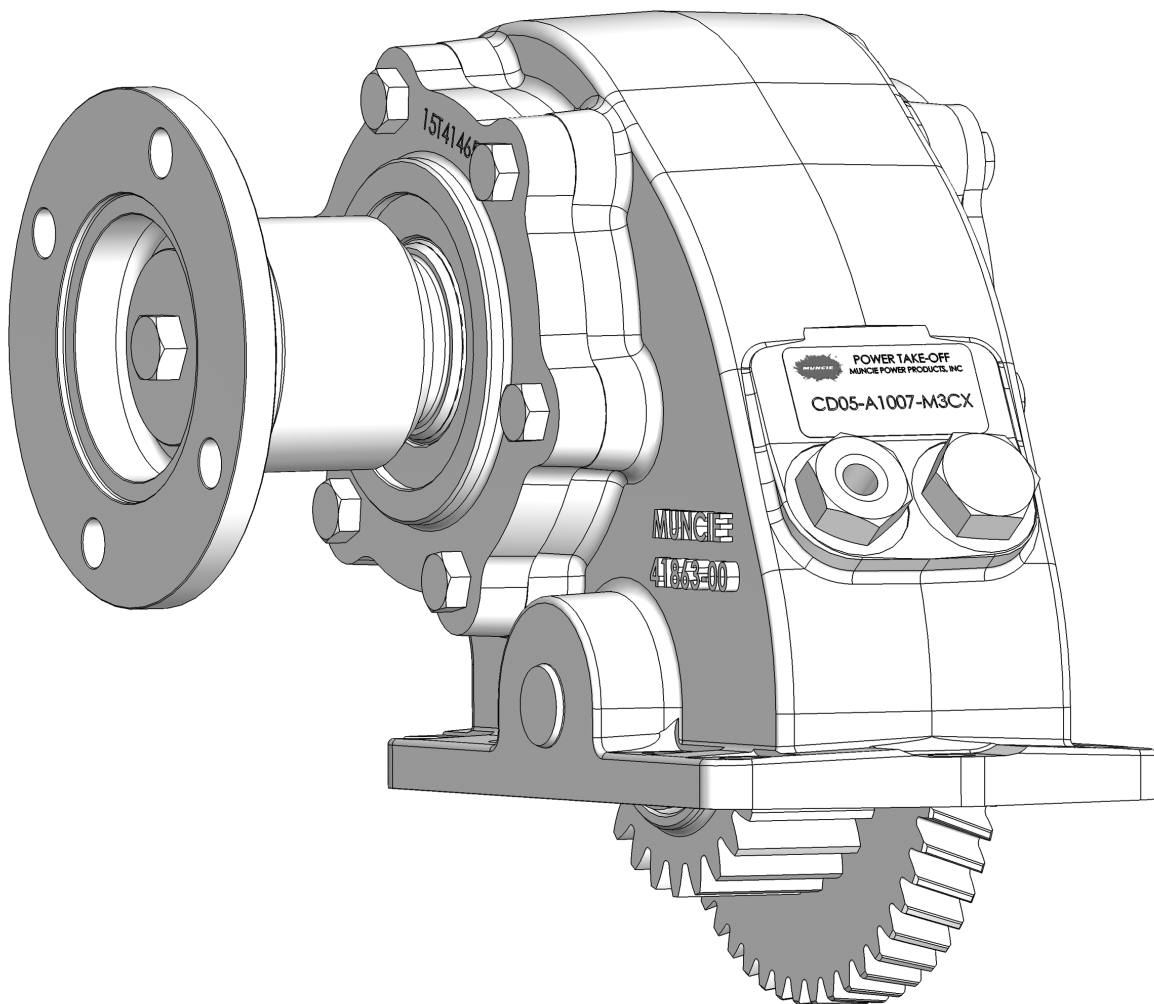
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CD05/10 SERIES PTO

PARTS LIST AND SERVICE MANUAL



Heavy Duty, Constant Drive PTO

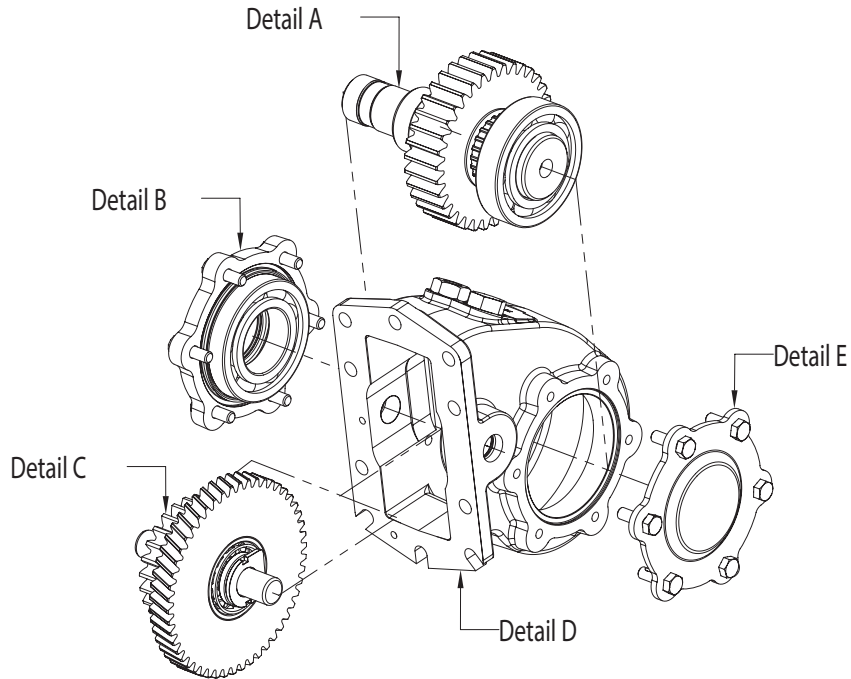
MUNCIE POWER PRODUCTS, INC.

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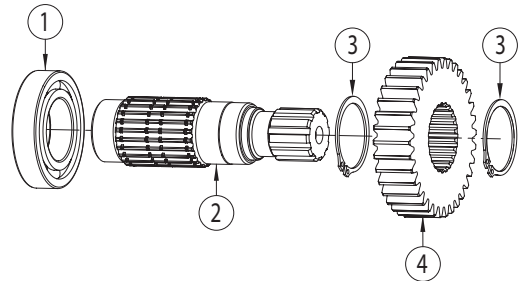
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CD05/10 PTO EXPLODED VIEWS

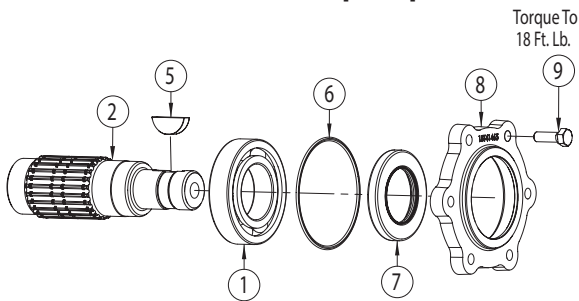


DETAIL A – OUTPUT SHAFT ASSEMBLY

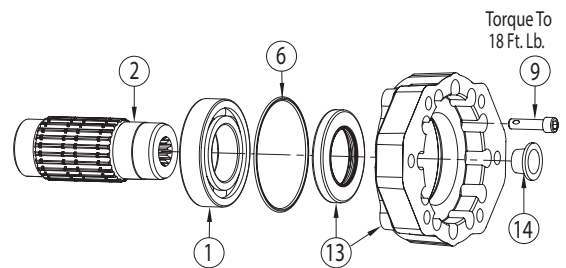


DETAIL B – OUTPUT OPTIONS

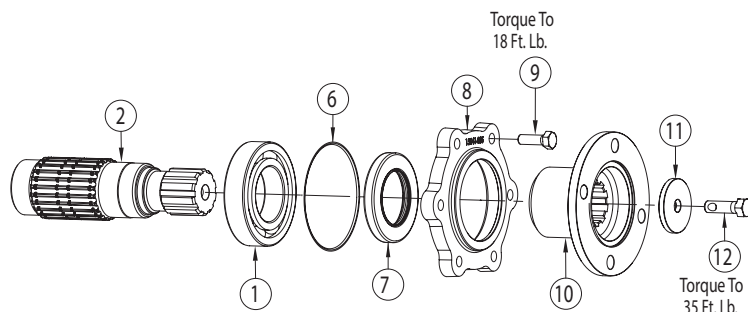
CD05/10 – “B” Output Option



CD10 – Hydraulic Output Option



CD05/10 – “2” & “C” Output Option



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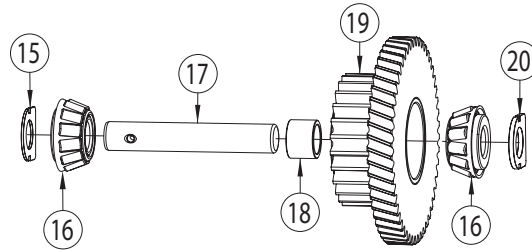
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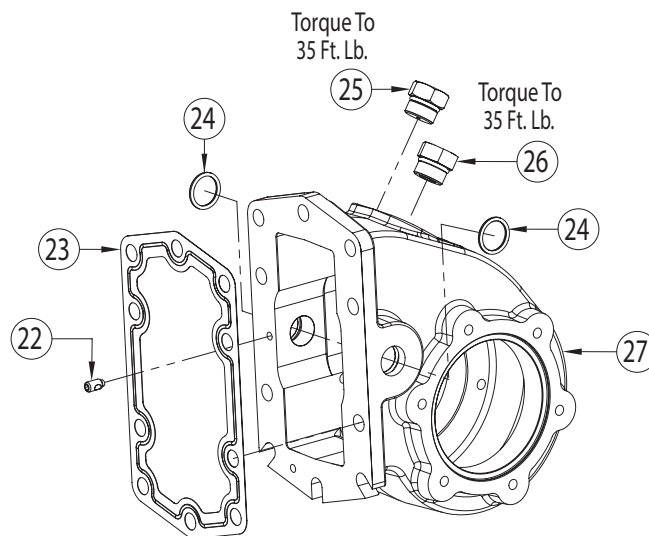
CD05/10 PTO EXPLODED VIEWS

DETAIL C – INPUT SHAFT ASSEMBLY

Input Shaft Assembly



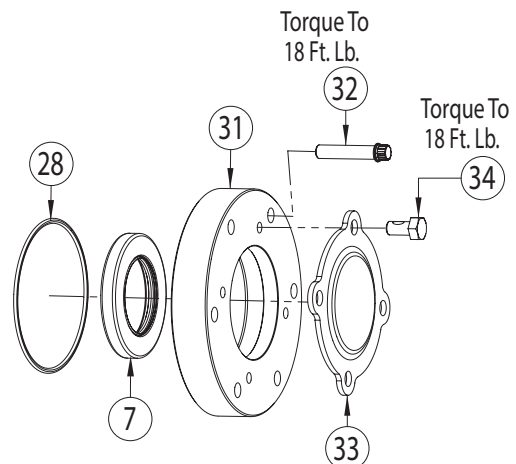
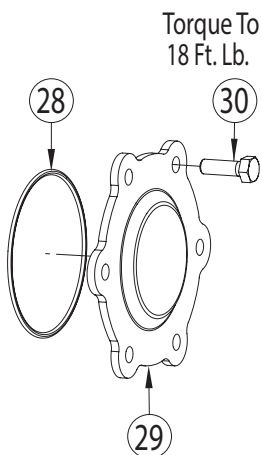
DETAIL D – PTO HOUSING ASSEMBLY



DETAIL E – BEARING COVER ASSEMBLY

CD05/10 – Bearing Cover Assembly

CD10 – Greaseable Bearing Cover Assembly



PARTS LIST & DESCRIPTION

ITEM	QTY	PART NO	DESCRIPTION	ITEM	QTY	PART NO	DESCRIPTION
Detail A				17	1	07T35780	Input Shaft
01	2	10T35775	Bearing	18	1	See Table E	Cone Spacer
02	1	See Table A	Output Shaft	19	1	See Table E	Input Gear
03	2	24T26980	Snap Ring	20	1	See Table F	CD05 Input Bearing Shim
04	1	See Table B	Bell Gear	21	1	See Table G	CD10 Input Bearing Spacer
Detail B				Detail D			
05	1	26T01627	Woodruff Key "B"	22	1	19T35785	Set Screw
06	1	12T35773	O-Ring (CD10)	23	1	13T35777	Gasket
	1	12T41793	O-Ring (CD05)	24	2	12T35774	O-Ring
	1	12T36863	O-Ring ("B", "C" & "2" Output Option)	25	1	25T35784	Lubrication Plug
07	2	11T64141	Shaft Seal (Option "G")	26	1	25T35999	Plug
	1	11T64141	Shaft Seal	27	1	01T60219	CD10 Housing
08	1	See Table C	Hydraulic Flange		1	01T41864	CD05 Housing (3 Arrg. Only)
09	6	19T32740	Hex Capscrew "2", "B" & "C"	Detail E			
	6	19T31577	Hex Capscrew "D", "P", "Q", "S" & "Z"	28	1	12T35773	O-Ring
	6	19M84478	Socket Head Capscrew "E", "R" & "Y"	29	1	15T35772	Bearing Cover
	6	19T35386	Socket Head Capscrew "I"	30	6	19T32740	Hex Capscrew
	6	19T34717	12 Pt. Capscrew "IG"	31	1	15T39026	Bearing Cover (Option "G")
10	1	14T37498	Companion Flange "2"	32	6	19M84478	12 Pt. Capscrew (Option "G")
	1	14T31499	Companion Flange "C"	33	1	15T34323	Shaft Cover (Option "G")
11	1	21T20092	Flat Washer "2" & "C"	34	4	19T33134	Hex Capscrew (Option "G")
12	1	19T38266	Hex Capscrew "2" & "C"	N.S.	1	48TK4469	CD05/10 Installation Kit Includes: Gasket Pack, Label Pack, Stud Kit & Pressure Lube Kit
13	1	See Table D	Flange/Seal Kit	N.S.	1	CD-GSK	CD10 Gasket Kit Includes: (2)6, (1)7, (1) 23 & (2)24
14	1	25T35520	Cap Plug "R"	N.S.	1	CD05-GSK	CD05 Gasket Kit Includes: (1)6, (1)7, (1)24, (2)25 & (1)29
	1	25T35724	Cap Plug "D", "DG", "Q", "S" & "SG"	N.S.	1	CD-RBK	CD10 Rebuild Kit Includes: (2)1, (2)3, (2)6, (1)7, (2)16, (1)23 & (2)24
	1	25T35725	Cap Plug "P"	N.S.	1	CD05-RBK	CD05 Rebuild Kit Includes: (2)1, (2)3, (1)6, (1)7, (2)16, (1)23, (2)24 & (1)28
	1	25T35936	Cap Plug "E", "Y", "YG", "Z" & "ZG"				
	1	25T37767	Cap Plug "I" & "IG"				
Detail C							
15	1	18T41452	CD05 Input Bearing Shim				
16	2	10T35776	Roller Bearing				

TABLES A, B, C, D, E, F, G & H

Table A – Output Shaft (Item 2)

PART NO	DESCRIPTION
06T35972	Output Shaft "B": 1.3" Rd.
06T35763	Output Shaft "2" & "C": 1.5" – 10T SPL
06T35764	Output Shaft "D", "Q" & "S": 7/8" – 13T SPL
06T35765	Output Shaft "E", "Y" & "Z": 1.25" – 14T SPL
06T36831	Output Shaft "I": DIN 5462 36mm – 8T SPL
06T37187	Output Shaft "P": 1" – 15T SPL
06T37723	Output Shaft "R": 5/8" – 9T SPL
06T41172	Output Shaft "T": 3/4" – 11T SPL
06T37374	Output Shaft "IG": Greaseable DIN 5462 36mm – 8T SPL
06T38197	Output Shaft "PG": Greaseable 1" – 15T SPL
06T38264	Output Shaft "DG" & "SG": Greaseable 7/8" – 13T SPL
06T40647	Output Shaft "EG", "YG" & "ZG": Greaseable 1.25" – 14T SPL
06T37186	Output Shaft "IW": Wetspline DIN 5462

Table B – Bell Gear (Item 4)

PART NO	DESCRIPTION
02T35753	Bell Gear 05 (38T)
02T35920	Bell Gear 06 (36T)
02T35756	Bell Gear 07 (34T)
02T35759	Bell Gear 08 (32T)
02T35762	Bell Gear 10 (30T)
02T39067	Bell Gear 12 (27T)
02T39068	Bell Gear 15 (24T)

Table C – Hydraulic Flange (Item 8)

PART NO	DESCRIPTION
14T36007	Hydraulic Flange "Y"
14T36834	Hydraulic Flange "I"
14T37474	Hydraulic Flange "S"
14T37724	Hydraulic Flange "R" & "Q"
14T39570	Hydraulic Flange "IG", "IW" (Breather 44M30137 Required)
15T41465	Bearing Cover "2", "B" & "C"

Table D – Flange/Seal Kit (Item 13)

PART NO	DESCRIPTION	COMPONENTS
14TA4651	"D", "P" & "Z" Flange/Seal Assembly	Includes: 14T35767 Hydraulic Flange & 11T64141 Output Shaft Seal
14TA5314	"E" Flange Seal Assembly	Includes: 14T40576 Hydraulic Flange & 11T64141 Seal

Table E – Cone Spacer (Item 18) & Input Gear (Item 19)

Assembly Purchase input gear assembly (Item 19 – 03TAXXXX) which includes the correct cone spacer (item 18).

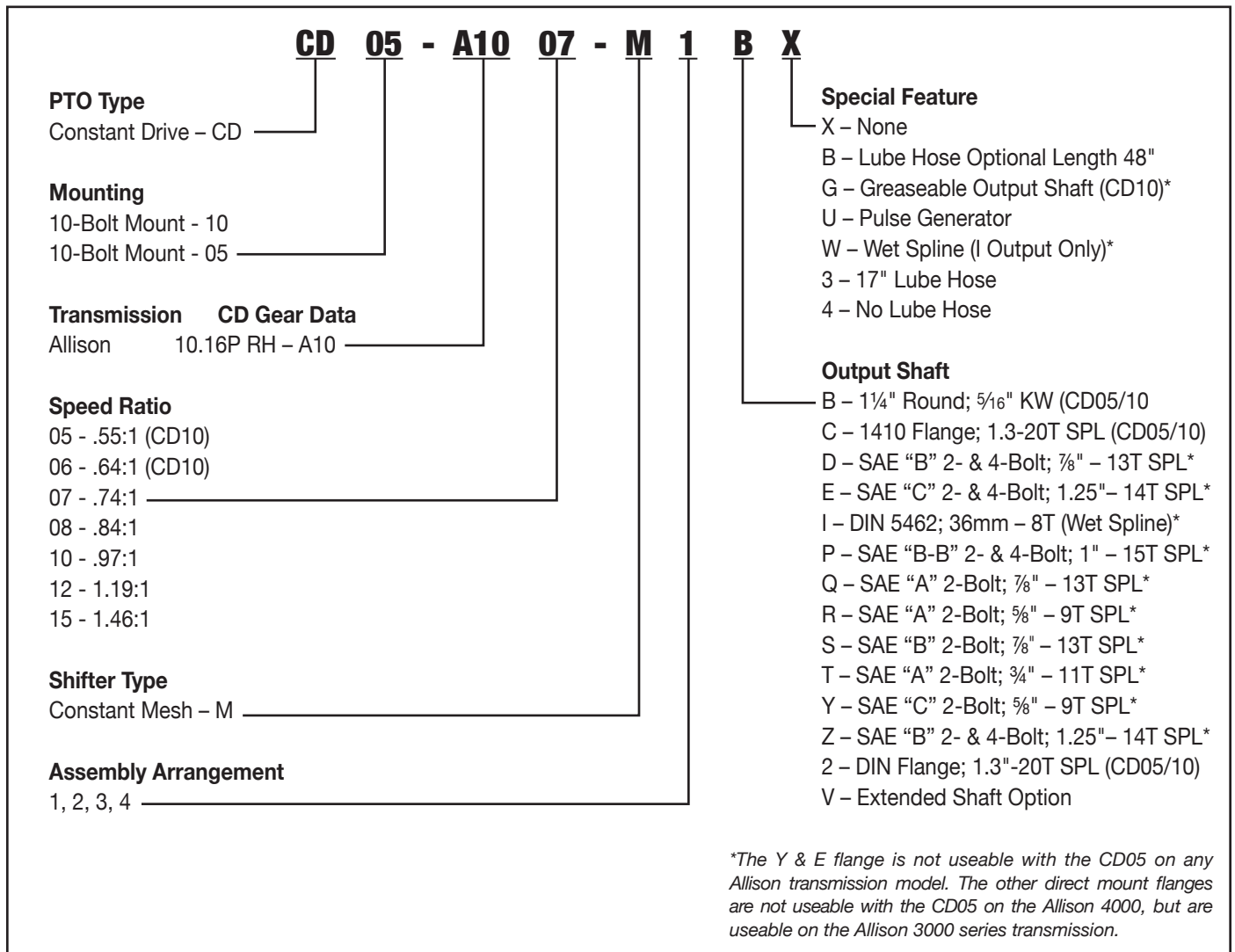
ASSY NO	DESCRIPTION	GEAR NO
03TA4624	A1005 Input Gear (50T/21T)	03T35752
03TA4625	A1006 Input Gear (50T/23T)	03T35919
03TA4626	A1007 Input Gear (50T/25T)	03T35755
03TA4627	A1008 Input Gear (50T/27T)	03T35758
03TA4628	A1010 Input Gear (50T/29T)	03T35761
03TA4629	A1012 Input Gear (50T/32T)	03T36545
03TA4630	A1015 Input Gear (50T/35T)	03T38830

Table F – Kit 18TK5233 Input Bearing Shim (Item 20) – Only 1 Is Used

PART NO	DESCRIPTION	DIMENSION
18T41437	Bearing Shim	(.1150"/.1130")
18T41438	Bearing Shim	(.1175"/.1155")
18T41439	Bearing Shim	(.1200"/.1180")
18T41440	Bearing Shim	(.1225"/.1205")
18T41441	Bearing Shim	(.1250"/.1230")
18T41442	Bearing Shim	(.1275"/.1255")
18T41443	Bearing Shim	(.1300"/.1280")
18T41444	Bearing Shim	(.1325"/.1305")
18T41445	Bearing Shim	(.1350"/.1330")
18T41446	Bearing Shim	(.1375"/.1355")
18T41447	Bearing Shim	(.1400"/.1380")
18T41448	Bearing Shim	(.1425"/.1405")
18T41449	Bearing Shim	(.1450"/.1430")
18T41450	Bearing Shim	(.1475"/.1455")
18T41451	Bearing Shim	(.1500"/.1480")

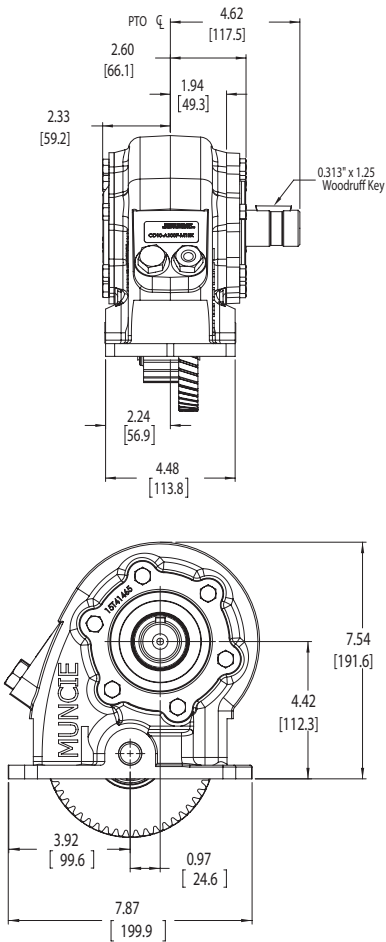
The cone spacer installs between the tapered input bearings to set the bearing preload at .002" - .006" loose; critical dimension. See page 3 for visual detail.

CD05/10 Model Number Construction

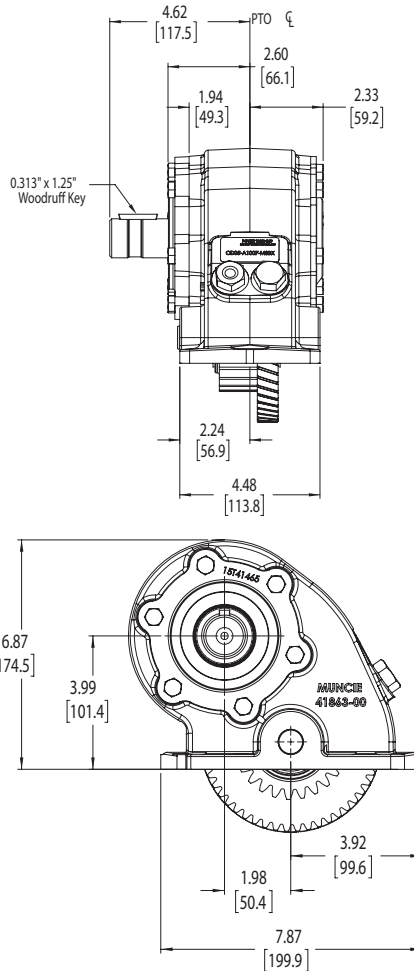


DIMENSIONS IN INCHES (MM)

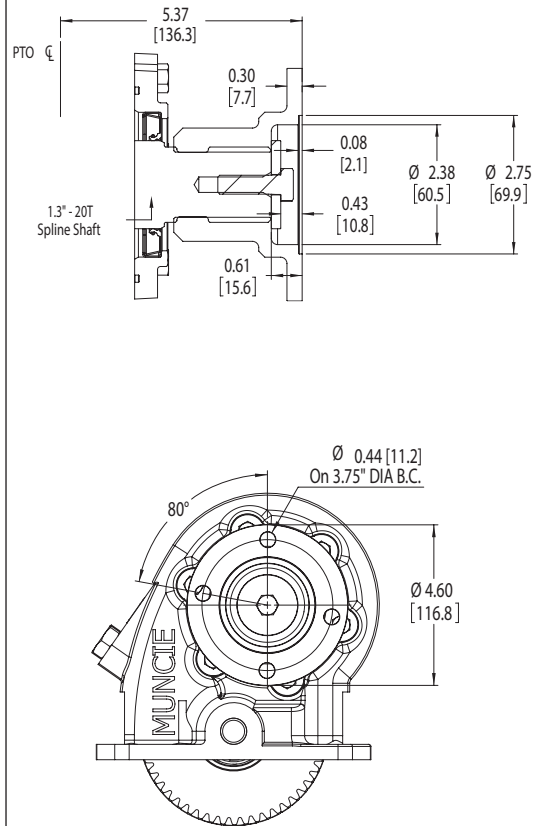
CD10 "B" Output Option -1¼" Round Keyed Shaft



CD05 "B" Output Option -1¼" Round Keyed Shaft



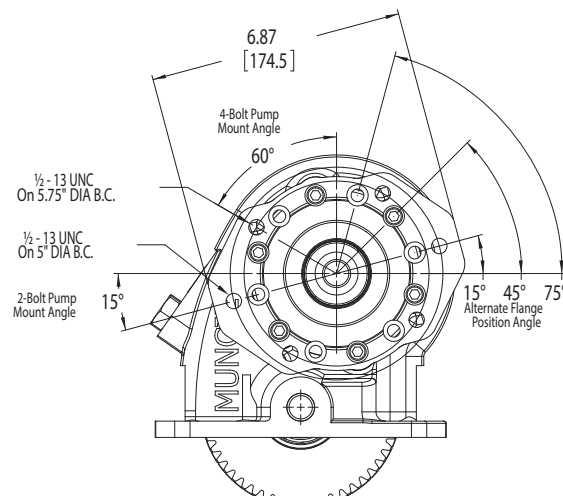
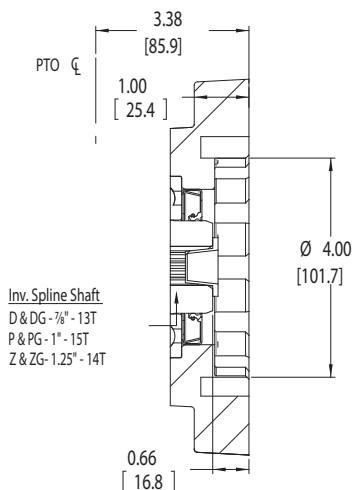
"C" Output Option -1.5"-10T w/1410 Series Flange



"D" & "DG (Greaseable)" Output Option -SAE 'B' 2- & 4-Bolt w/ 7/8"-13T SAE 'C' Shaft

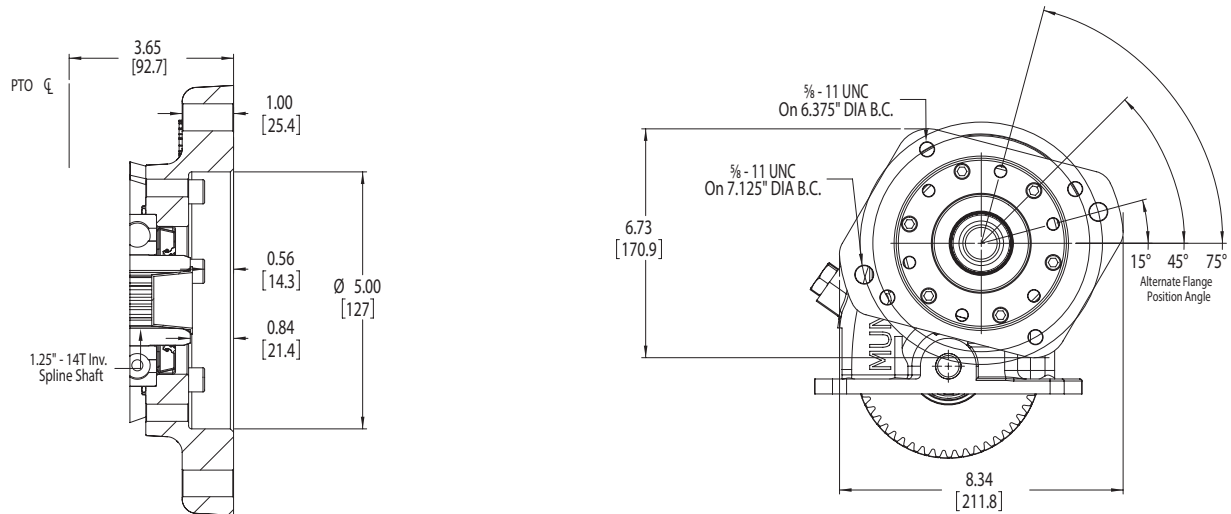
"P" & "PG (Greaseable)" Output Option -SAE 'B-B' 2- & 4-Bolt w/ 1"-15T

"Z" & "ZG (Greaseable)" Output Option -SAE 'B' 2- & 4-Bolt Flange w/ 1.25"-14T SAE 'C' Shaft

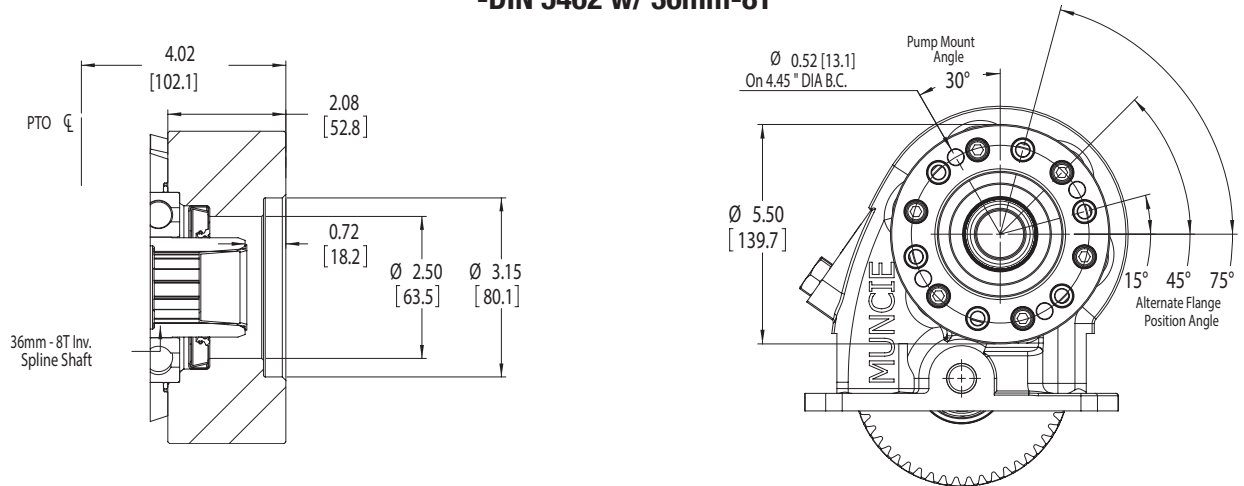


DIMENSIONS IN INCHES (MM)

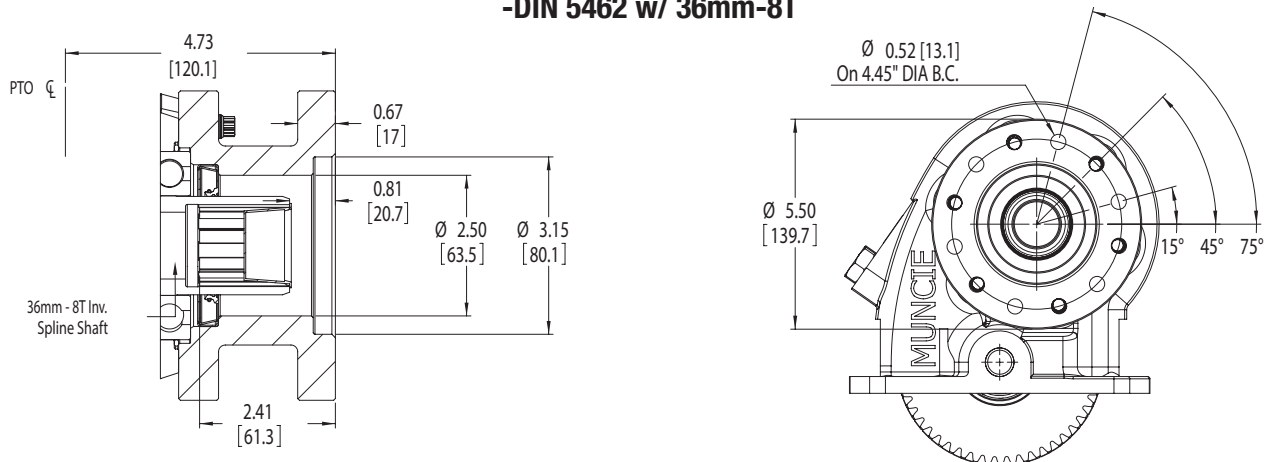
"E" & "EG" Output Option -SAE 'C' 2- & 4-Bolt w/ 1.25"-14T



"I" Output Option -DIN 5462 w/ 36mm-8T



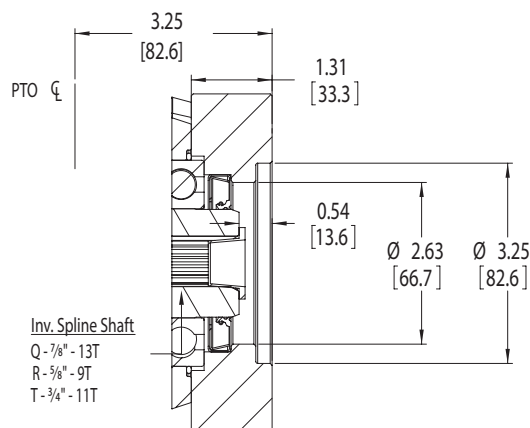
"IG (Greaseable)" Output Option -DIN 5462 w/ 36mm-8T



DIMENSIONS IN INCHES (MM)

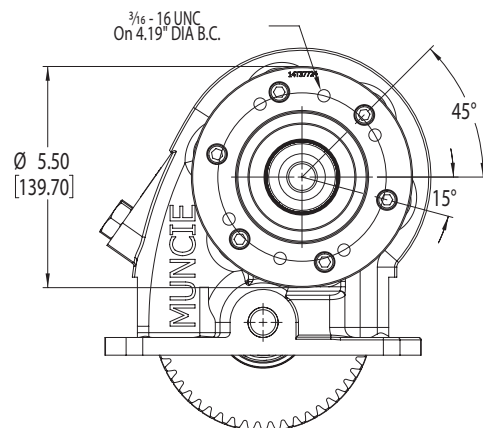
“Q” Output Option

-SAE ‘A’ 2- & 4-Bolt w/ 7/8"-13T SAE ‘B’ Shaft



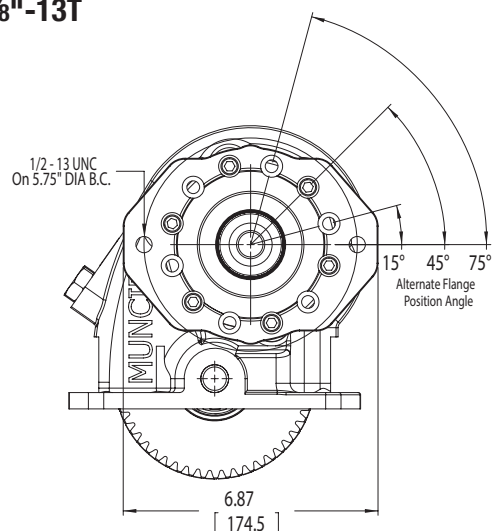
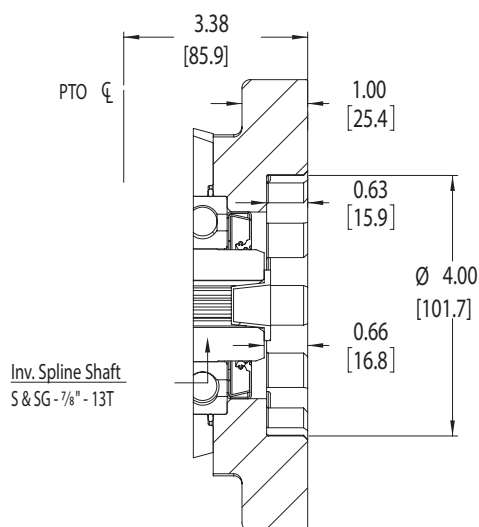
“R” Output Option

-SAE ‘A’ 2- & 4-Bolt w/ 5/8"-9T



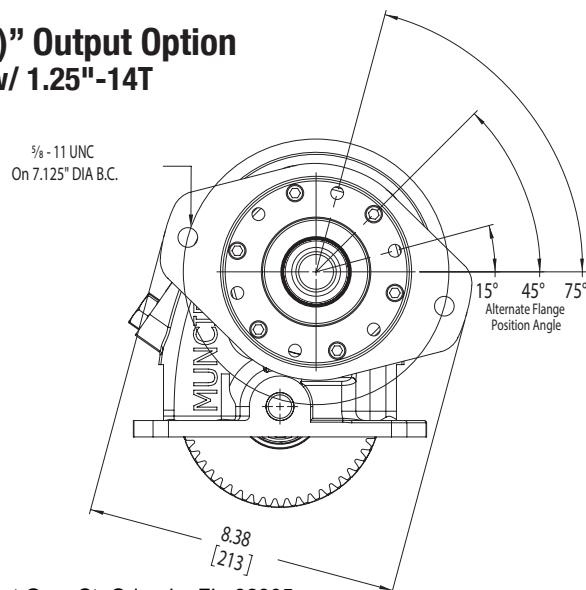
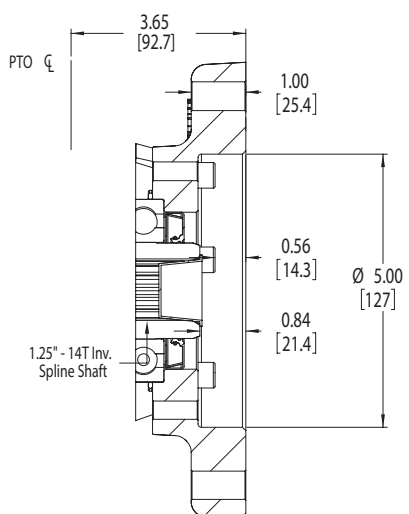
“S” & “SG” (Greaseable) Output Option

-SAE ‘A’ 2- & 4-Bolt w/ 7/8"-13T

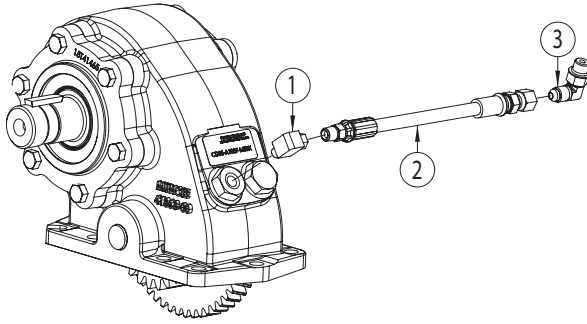


“Y” & “YG (Greaseable)” Output Option

-SAE ‘A’ 2 & 4 Bolt w/ 1.25"-14T



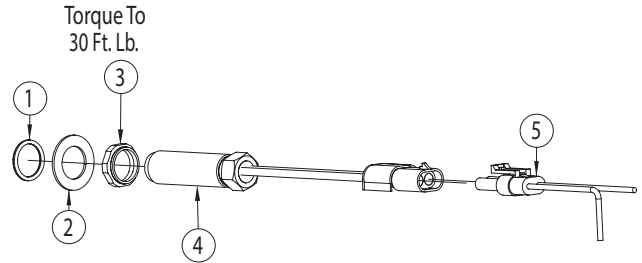
ACCESSORY KITS



PRESSURE LUBE KIT

43MK3620 (Option B) 43MK2810 (Option X)
43TK4545 (Option 3) 43TK5087 (Option W)

ITEM	QTY	PART NO	DESCRIPTION
1	1	43M05522	Hydraulic Fitting (Option B & X)
		43T35867	Hydraulic Fitting (Option 3)
		43M02203	Hydraulic Fitting (Option W)
		45M4R528	28" Standard Hose Assembly (Option W & X)
2	1	45M4R548	48" Hose Assembly (Option B)
		45T39186	17" Lube Hose Assembly (Option 3)
3	1	43M68014	Elbow (Transmission) (All Options)



Speed Sensor Kit 31TK3873 (Option "U")

ITEM	QTY	PART NO	DESCRIPTION
1	1	21T41900	Seal Washer
2	1	21T35603	Flat Washer
3	1	21T35109	Jam Nut
4	1	31T25108	Mag Pickup
5	1	34MA1415	Wiring Harness

STUD KIT - 20TK6353

PART NO	QTY	DESCRIPTION
MC18-03	1	Instruction
19T64313	8	Cap Screw
30T62753	2	Alignment Stud
21T64303	8	Flat Washers



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