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Supersedes: HY25-2002-M1/US March 15, 2002



Stud Kit Parts List



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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
7170-1X			7170-16X ♦		
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	6	379423-44	Stud (.375"-16 x .375"-24 x 3.625").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-2X			7170-18X		
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	6	379423-48	Stud (.375"-16 x .375"-24 x 3.875").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-3X			7170-19X		
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	6	379423-50	Stud (.375"-16 x .375"-24 x 4.000").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-4X ♦			7170-20X		
379423-20	Stud (.375"-16 x .375"-24 x 2.125").....	6	379423-52	Stud (.375"-16 x .375"-24 x 4.125").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-5X ♦			7170-21X		
379423-22	Stud (.375"-16 x .375"-24 x 2.250").....	6	379423-54	Stud (.375"-16 x .375"-24 x 4.250").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-6X			7170-22X		
379423-24	Stud (.375"-16 x .375"-24 x 2.375").....	6	379423-56	Stud (.375"-16 x .375"-24 x 4.375").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-7X ♦			7170-23X		
379423-26	Stud (.375"-16 x .375"-24 x 2.500").....	6	379423-58	Stud (.375"-16 x .375"-24 x 4.500").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-8X			7170-24X		
379423-28	Stud (.375"-16 x .375"-24 x 2.625").....	6	379423-60	Stud (.375"-16 x .375"-24 x 4.625").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-9X ♦			7170-25X		
379423-30	Stud (.375"-16 x .375"-24 x 2.750").....	6	379423-62	Stud (.375"-16 x .375"-24 x 4.750").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-10X			7170-26X		
379423-32	Stud (.375"-16 x .375"-24 x 2.875").....	6	379423-64	Stud (.375"-16 x .375"-24 x 4.875").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-11X			7170-27X		
379423-34	Stud (.375"-16 x .375"-24 x 3.000").....	6	379423-66	Stud (.375"-16 x .375"-24 x 5.000").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-12X			7170-28X		
379423-36	Stud (.375"-16 x .375"-24 x 3.125").....	6	379423-68	Stud (.375"-16 x .375"-24 x 5.125").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-13X			7170-29X		
379423-38	Stud (.375"-16 x .375"-24 x 3.250").....	6	379423-70	Stud (.375"-16 x .375"-24 x 5.250").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-14X			7170-30X		
379423-40	Stud (.375"-16 x .375"-24 x 3.375").....	6	379423-72	Stud (.375"-16 x .375"-24 x 5.375").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-15X					
379423-42	Stud (.375"-16 x .375"-24 x 3.500").....	6			
379744	9/16" Hex Head Flange Nut (.375"-24).....	6			

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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
7170-31X			7170-44X		
379423-74	Stud (.375"-16 x .375"-24 x 5.500").....	6	379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	10
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379423-24	Stud (.375"-16 x .375"-24 x 2.375").....	2
7170-32X			379744 9/16" Hex Head Flange Nut (.375"-24)..... 12		
379423-76	Stud (.375"-16 x .375"-24 x 5.750").....	6	7170-45X		
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	4
7170-33X			379423-24	Stud (.375"-16 x .375"-24 x 2.375").....	2
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	12	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	7170-46X		
7170-34X			379423-90	Stud (.375"-16 x .375"-24 x 6.500").....	6
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	6	7170-48X		
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	379423-94	Stud (.375"-16 x .375"-24 x 6.750").....	6
7170-35X			379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	6	7170-49X		
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	6	379423-86	Stud (.375"-16 x .375"-24 x 6.250").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-36X			7170-50X		
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	6	379423-82	Stud (.375"-16 x .375"-24 x 6.000").....	6
379423-20	Stud (.375"-16 x .375"-24 x 2.125").....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	7170-74X ♦		
7170-37X			378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125").....	2
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	12	378431-27	9/16" Hex Head Capscrew (.375"-16 x 3.250").....	1
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	378431-15	9/16" Hex Head Capscrew (.375"-16 x 1.625").....	2
7170-39X			379433-6	5/16" Socket Head Capscrew (.375"-16 x 1.000").....	3
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	6	378774	Tab Lock Washer (.390" x .625" x .0418").....	5
379423-20	Stud (.375"-16 x .375"-24 x 2.125").....	6	(1)7170-89X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	379293-14	Stud (.375"-16 x .375"-24 x 1.625").....	6
7170-40X			379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	12	(2)7170-90X		
379744	9/16" Hex Head Flange Nut (.375"-24).....	12	379293-10	Stud (.375"-16 x .375"-24 x 1.500").....	6
7170-42X			379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	2	(3)7170-96X ♦		
379423-22	Stud (.375"-16 x .375"-24 x 2.250").....	4	379293-8	Stud (.375"-16 x .375"-24 x 1.438").....	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
7170-43X			Continued on Next Page		
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	2			
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	4			
379744	9/16" Hex Head Flange Nut (.375"-24).....	6			

♦ = Active In Price Book

(1) The 379293-14 stud must be used with the 352 Series PTO on the following transmissions. CH-465 (code MM4 1968 x later), GM-20, M-20 and SM-465 (GMC) (code MM4 1968 x later). Any stud used with a longer threaded end into the transmission will hit the head set gear on the countershaft of the transmission.

(2) The 379293-10 stud must be used with the 442 Series PTO on the following transmissions. CH-465 (code MM4 1968 x later), GM-20, M-20 and SM-465 (GMC) (code MM4 1968 x later). Any stud used with a longer threaded end into the transmission will hit the head set gear on the countershaft of the transmission.

(3) This stud kit is required for PTO's mounted on SPICER ESO-65-7A transmissions. The capscrew and stud length in the standard stud kit is too long and interferes with the adjacent gear outside diameter in the transmission case.

PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
7170-116X ♦			328170-1X ♦		
379424-26	Stud (.438"-14 x .438"-20 x 2.500")	8	378018	Copper Washer (.390" x .562" x .0453").....	6
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	378774	Tab Lock Washer (.390")	4
7170-126X ♦			379744	9/16" Hex Head Flange Nut (.375"-24).....	2
379442	Shoulder Stud (.500"-13 x .500"-20 x 3.750")	4	378431-13	9/16" Hex Head Capscrew (.375"-16 x 1.375").....	2
500356-13	1/2" Lockwasher (.509" x .877" x .099")	4	378431-30	9/16" Hex Head Capscrew (.375"-16 x 4.000").....	1
500381-5	3/4" Hex Jam Nut (.500"-20).....	4	378431-42	9/16" Hex Head Capscrew (.375"-16 x 7.000").....	1
7170-127X ♦			379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	2
378431-12	9/16 Hex Head Capscrew (.375"-16 x 1.250").....	2	328170-4X		
378431-15	9/16 Hex Head Capscrew (.375"-16 x 1.625").....	3	379423-32	Stud (.375"-16 x .375"-24 x 2.875").....	4
379433-6	5/16" Socket Head Capscrew (.375"-16 x 1.000").....	3	378018	Copper Washer (.390" x .562" x .0453").....	6
7170-129X ♦			378774	Tab Lock Washer (.390")	2
379423-15	Stud (.375"-16 x .375"-24 x 1.875").....	4	379744	9/16" Hex Head Flange Nut (.375"-24).....	4
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	378431-34	9/16" Hex Head Capscrew (.375"-16 x 5.00").....	1
379423-13	Stud (.375"-16 x .375"-24 x 1.750").....	2	378431-46	9/16" Hex Head Capscrew (.375"-16 x 8.000").....	1
8000-4X ♦			328170-5X		
378431-21	9/16" Hex Head Capscrew (.375"-16 x 2.375").....	6	379423-62	Stud (.375"-16 x .375"-24 x 4.750").....	4
378774	Tab Lock Washer (.390" x .625" x .0418")	6	378018	Copper Washer (.390" x .562" x .0453").....	6
8000-9X			378774	Tab Lock Washer (.390")	2
378431-21	9/16" Hex Head Capscrew (.375"-16 x 2.375").....	5	379744	9/16" Hex Head Flange Nut (.375"-24).....	4
378431-26	9/16" Hex Head Capscrew (.375"-16 x 3.000").....	1	378431-42	9/16" Hex Head Capscrew (.375"-16 x 7.000").....	1
8000-11X			378431-54	9/16" Hex Head Capscrew (.375"-16 x 10.000").....	1
378774	Tab Lock Washer (.390" x .625" x .0418")	6	328170-7X		
22-P-54	Gasket	1	379424-34	Stud (.438")	8
378430-29	1/2" Hex Head Capscrew (.312"-18 x 3.750").....	1	378175	Dowel Pin (.438"-1.500")	2
378431-21	9/16" Hex Head Capscrew (.375"-16 x 2.375").....	5	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
378431-26	9/16" Hex Head Capscrew (.375"-16 x 3.000").....	1	328170-8X ♦		
(4)8000-12X			379424-21	Stud (.438"-14 x .438"-20 x 2.250").....	8
378431-20	9/16" Hex Head Capscrew (.375"-16 x 2.250").....	6	378054	Dowel Pin (.438" x 1.000").....	2
378744	Tab Lock Washer (.390" x .625" x .0418")	6	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
8000-13X			328170-12X		
378431-22	9/16" Hex Head Capscrew (.375"-16 x 2.500").....	6	379424-40	Stud (.438"-14 x .438"-20 x 3.375").....	8
378774	Tab Lock Washer (.390" x .625" x .0418")	6	378175	Dowel Pin (.438"-1.500")	2
			379745	11/16" Hex Head Flange Nut (.438"-20).....	8
			328170-14X ♦		
			379424-29	Stud (.438"-14 x .438"-20 x 2.75").....	8
			378057	Dowel Pin (.438" x 1.250").....	2
			379745	11/16" Hex Head Flange Nut (.438"-20).....	8

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♦ = Active In Price Book

(4) The 378431-20 capscrew must be used with the 100 Series PTO on the following transmissions. CH-465 (code MM4 1968 x later), GM-20, M-20 and SM-465 (GMC) (code MM4 1968 x later). Any stud used with a longer threaded end into the transmission will hit the head set gear on the countershaft of the transmission.

PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-15X ♦			328170-33X		
379424-24	Stud (.438"-14 x .438"-20 x 2.375").....	8	379423-28	Stud (.375"-16 x .375"-24 x 2.625").....	4
378054	Dowel Pin (.438" x 1.000").....	2	378018	Copper Washer (.390" x .562" x .0453").....	6
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	378774	Tab Lock Washer (.390").....	2
			379744	9/16" Hex Head Flange Nut (.375"-24).....	4
			378431-33	9/16" Hex Head Capscrew (.375"-16 x 4.75").....	1
328170-16X ♦			378431-45	9/16" Hex Head Capscrew (.375"-16 x 7.75").....	1
379424-32	Stud (.438"-14 x .438"-20 x 2.875").....	8			
378174	Dowel Pin (.438" x 1.500").....	2	328170-35X ♦		
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	379423-24	Stud (.375"-16 x .375"-24 x 2.375").....	4
			378018	Copper Washer (.390" x .562" x .0453").....	6
328170-17X			378774	Tab Lock Washer (.390").....	2
379424-24	Stud (.438"-14 x .438"-20 x 2.375").....	8	379744	9/16" Hex Head Flange Nut (.375"-24).....	4
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	378431-43	9/16" Hex Head Capscrew (.375"-16 x 7.250").....	1
378057	Dowel Pin (.438" x 1.250").....	2	379431-31	9/16" Hex Head Capscrew (.375"-16 x 4.250").....	1
328170-18X			328170-36X		
379424-36	Stud (.438"-14 x .438"-20 x 3.125").....	8	379423-72	Stud (.375"-16 x .375"-24 x 5.375").....	4
378175	Dowel Pin (.438"-1.500").....	2	378018	Copper Washer (.390" x .562" x .0453").....	6
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	378774	Tab Lock Washer (.390").....	2
			379744	9/16" Hex Head Flange Nut (.375"-24).....	4
			378431-43	9/16" Hex Head Capscrew (.375"-16 x 7.250").....	1
328170-21X			378431-55	9/16" Hex Head Capscrew (.375"-16 x 10.250").....	1
378057	Dowel Pin (.438" x 1.250").....	2			
35-P-15-1	Gasket (.010").....	2	328170-64X		
35-P-15-2	Gasket (.020").....	2	379423-20	Stud (.375"-16 x .375"-24 x 2.125").....	6
378432-16	5/8" Hex Head Capscrew (.438"-20 x 1.750").....	2	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
378432-34	5/8" Hex Head Capscrew (.438"-20 x 5.00")..	2			
378432-35	5/8" Hex Head Capscrew (.438"-20 x 5.250").....	4	328170-76X ♦		
500357-12	Lock Washer (.438").....	8	379423-15	Stud (.375"-16 x .375"-24 x 1.875").....	6
			379744	9/16" Hex Head Flange Nut (.375"-24).....	6
328170-26X ♦					
378018	Copper Washer (.390" x .562" x .0453").....	6	328170-77X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	2	379423-12	Stud (.375"-16 x .375"-24 x 1.625").....	3
378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125").....	2	378774	Tab Lock Washer (.390").....	3
378431-29	9/16" Hex Head Capscrew (.375"-16 x 3.750").....	1	379744	9/16" Hex Head Flange Nut (.375"-24).....	3
378431-41	9/16" Hex Head Capscrew (.375"-16 x 6.750").....	1	378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125").....	3
379423-14	Stud (.375"-6 x .375"-24 x 1.750").....	2			
			328170-79X		
328170-28X			379423-13	Stud (.375"-16 x .375"-24 x 1.750").....	2
378018	Copper Washer (.390" x .562" x .0453").....	6	378774	Tab Lock Washer (.390").....	2
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	379744	9/16" Hex Head Flange Nut (.375"-24).....	4
378431-34	9/16" Hex Head Capscrew (.375"-16 x 5.00").....	1	378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125").....	2
379423-128	Stud (.375"-16 x .375"-24 x 8.875").....	1	379457-13	Shoulder Stud (.375"-16 x .375"-24 x 1.750").....	2
379423-36	Stud (.375"-16 x .375"-24 x 3.125").....	4			
328170-32X					
378018	Copper Washer (.390" x .562" x .0453").....	6			
378774	Tab Lock Washer (.390").....	1			
379744	9/16" Hex Head Flange Nut (.375"-24).....	5			
378431-38	9/16" Hex Head Capscrew (.375"-16 x 6.00").....	1			
379423-140	Stud (.375"-16 x .375"-24 x 9.625").....	1			
379423-50	Stud (.375"-16 x .375"-24 x 4.000").....	4			

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♦ = Active In Price Book

PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-81X			328170-88X		
378087	Allen Lock Washer (.375")	2	378431-12	9/16" Hex Head Capscrew (.375"-16 x 1.250")	1
378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125")	4	378087	Lock Washer (.375")	2
379433-9	5/16" Socket Head Capscrew (.375"-16 x 1.750")	2	378130	Tab Lock Washer (.375")	1
500357-11	Lock Washer (.375")	4	378774	Tab Lock Washer (.390")	1
328170-82X			328170-91X		
378431-13	9/16" Hex Head Capscrew (.375"-16 x 1.375")	2	378431-20	9/16" Hex Head Capscrew (.375"-16 x 2.375")	6
378774	Tab Lock Washer (.390")	2	500357-11	Lock Washer (.375")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	4	378774	Tab Lock Washer (.390")	6
379423-12	Stud (.375"-16 x .375"-24 x 1.625")	3	328170-93X		
379423-15	Stud (.375"-16 x .375"-24 x 1.875")	1	378431-31	9/16" Hex Head Capscrew (.375"-16 x 4.250")	1
328170-83X			328170-94X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24)	6	379423-13	Stud (.375"-16 x .375"-24 x 1.750")	6
379423-135	Stud (.375"-16 x .375"-24 x 9.375")	1	379744	9/16" Hex Head Flange Nut (.375"-24)	6
379423-46	Stud (.375"-16 x .375"-24 x 3.750")	4	328170-95X ♦		
379423-86	Stud (.375"-16 x .375"-24 x 6.250")	1	379423-12	Stud (.375"-16 x .375"-24 x 1.625")	6
328170-84X			328170-96X ♦		
500357-11	Lock Washer	1	378018	Copper Washer (.390" x .562" x .0453")	6
378774	Tab Lock Washer (.390")	4	378774	Tab Lock Washer (.390")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	1	379744	9/16" Hex Head Flange Nut (.375"-24)	2
378431-12	9/16" Hex Head Capscrew (.375"-16 x 1.25")	3	378431-13	9/16" Hex Head Capscrew (.375"-16 x 1.375")	2
378431-31	9/16" Hex Head Capscrew (.375"-16 x 4.250")	1	378431-30	9/16" Hex Head Capscrew (.375"-16 x 4.000")	1
379423-12	Stud (.375"-16 x .375"-24 x 1.625")	1	378431-42	9/16" Hex Head Capscrew (.375"-16 x 7.000")	1
379433-9	5/16" Socket Head Capscrew (.375"-16 x 1.750")	1	379423-15	Stud (.375"-24 x .375"-16 x 1.875")	2
328170-85X			328170-97X		
378087	Allen Lock Washer (.375")	2	378018	Copper Washer (.390" x .562" x .0453")	5
378130	Lock Washer (.375")	1	378774	Tab Lock Washer (.390")	1
378774	Tab Lock Washer (.390")	3	379744	9/16" Hex Head Flange Nut (.375"-24)	4
378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125")	3	378431-47	9/16" Hex Head Capscrew (.375"-16 x 8.250")	1
378431-14	9/16" Hex Head Capscrew (.375"-16 x 1.500")	1	379423-14	Stud (.375"-16 x .375"-24 x 1.750")	2
379433-10	5/16" Socket Head Capscrew (.375"-16 x 2.000")	2	379423-16	Stud (.375"-16 x .375"-24 x 1.870")	2
328170-86X					
378774	Tab Lock Washer (.390")	3			
379744	9/16" Hex Head Flange Nut (.375"-24)	1			
378431-12	9/16" Hex Head Capscrew (.375"-16 x 1.250")	3			
379423-15	Stud (.375"-16 x .375"-24 x 1.875")	1			
379433-9	5/16" Socket Head Capscrew (.375"-16 x 1.750")	2			
500357-11	Lock Washer (.375")	2			

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PTO Standard Kits

**Parts List
Stud Kits**

PART NUMBER	DESCRIPTION	QTY.
328170-98X		
379423-15	Stud (.375"-16 x .375"-24 x 1.875")	3
378774	Tab Lock Washer (.390")	3
379744	9/16" Hex Head Flange Nut (.375"-24)	3
378431-13	9/16" Hex Head Capscrew (.375"-16 x 1.375")	3
328170-99X		
379744	9/16" Hex Head Flange Nut (.375"-24)	4
378431-29	9/16" Hex Head Capscrew (.375"-16 x 3.750")	1
378431-41	9/16" Hex Head Capscrew (.375"-16 x 6.750")	1
379423-13	Stud (.375"-16 x .375"-24 x 1.750")	4
328170-101X ♦		
378935	9/16" Hex Head Capscrew-Shoulder (.375"-16 x 3.250")	1
379224	Tab Lock Washer (.438")	1
379744	9/16" Hex Head Flange Nut (.375"-24)	5
379423-14	Stud (.375"-16 x .375"-24 x 1.750")	2
379423-16	Stud (.375"-16 x .375"-24 x 1.875")	2
379457-13	Shoulder Stud (.375"-16 x .375"-24 x 1.750")	1
328170-113X		
378054	Dowel Pin (.438" x 1.000")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-29	11/16" Hex Head Capscrew (.438"-14 x 3.750")	2
379287-32	11/16" Hex Head Capscrew (.438"-14 x 4.500")	2
379424-21	Stud (.438"-14 x .438"-20 x 2.250")	4
500357-12	Lock Washer (.438")	4
328170-115X		
378054	Dowel Pin (.438" x 1.000")	2
379224	Tab Lock Washer (.438")	4
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-33	11/16" Hex Head Capscrew (.438"-14 x 4.750")	4
379424-19	Stud (.438"-14 x .438"-20 x 2.250")	4
328170-116X		
378431-47	9/16" Hex Head Capscrew (.375"-16 x 8.250")	1
379744	9/16" Hex Head Flange Nut (.375"-24)	4
379423-13	Stud (.375"-16 x .375"-24 x 1.750")	2
379423-15	Stud (.375"-16 x .375"-24 x 1.875")	2
328170-117X		
378057	Dowel Pin (.438" x 1.250")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-35	11/16" Hex Head Capscrew (.438"-14 x 5.250")	4
379424-26	Stud (.438"-14 x .438"-20 x 2.500")	4
500357-12	Lock Washer (.438")	4

PART NUMBER	DESCRIPTION	QTY.
328170-118X		
378174	Dowel Pin (.438" x 1.500")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-36	11/16" Hex Head Capscrew (.438"-14 x 5.500")	4
379424-29	Stud (.438"-14 x .438"-20 x 2.750")	4
500357-12	Lock Washer (.438")	4
328170-120X		
378175	Dowel Pin (.438" x 2.000")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-38	11/16" Hex Head Capscrew (.438"-14 x 6.000")	4
379424-36	Stud (.438"-14 x .438"-20 x 3.125")	4
500357-12	Lock Washer (.438")	4
328170-121X		
378809	Dowel Pin (.438" x 2.500")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-39	11/16" Hex Head Capscrew (.438"-14 x 6.250")	4
379424-42	Stud (.438"-14 x .438"-20 x 3.500")	4
500357-12	Lock Washer (.438")	4
328170-122X		
379424-46	Stud (.438"-14 x .438"-20 x 3.750")	8
379745	11/16" Hex Head Flange Nut (.438"-20)	8
328170-123X		
378809	Dowel Pin (.438" x 2.500")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	8
379424-50	Stud (.438"-14 x .438"-20 x 4.000")	8
328170-124X		
379424-42	Stud (.438"-14 x .438"-20 x 3.500")	2
378809	Dowel Pin (.438" x 2.500")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	2
379287-38	11/16" Hex Head Capscrew (.438"-14 x 6.000")	2
379287-40	11/16" Hex Head Capscrew (.438"-14 x 6.500")	4
500357-12	Lock Washer (.438")	6
328170-125X		
378054	Dowel Pin (.438" x 1.000")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	8
379424-21	Stud (.438"-14 x .438"-20 x 2.500")	4
379424-43	Stud (.438"-14 x .438"-20 x 3.750")	4
328170-126X		
378054	Dowel Pin (.438" x 1.000")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	4
379287-39	11/16" Hex Head Capscrew (.438"-14 x 6.250")	4
379424-21	Stud (.438"-14 x .438"-20 x 2.250")	4
500357-12	Lock Washer (.438")	4

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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-127X ♦			328170-138X		
379287-12	11/16" Hex Head Capscrew (.438"-14 x 1.250")	8	379424-50	Stud (.438"-14 x .438"-20 x 4.00")	6
379224	Tab Lock Washer (.438")	8	378809	Dowel Pin (.438" x 2.500")	2
328170-128X ♦			328170-148X		
379287-10	11/16" Hex Head Capscrew (.438"-14 x 1.000")	8	379424-43	Stud (.438"-14 x .438"-20 x 3.75")	2
379224	Tab Lock Washer (.438")	8	328170-155X		
328170-129X ♦			328170-157X		
379287-18	11/16" Hex Head Capscrew (.438"-14 x 2.000")	8	378018	Copper Washer (.390" x .562" x .0453")	5
379224	Tab Lock Washer (.438")	8	378774	Tab Lock Washer (.390)	3
328170-130X			328170-158X		
379424-26	Stud (.438"-14 x .438"-20 x 2.500")	6	379744	9/16" Hex Head Flange Nut (.375"-24)	2
378057	Dowel Pin (.438" x 1.250")	2	378431-14	9/16" Hex Head Capscrew (.375"-16 x 1.500")	2
379745	11/16" Hex Head Flange Nut (.438"-20)	8	378431-42	9/16" Hex Head Capscrew (.375"-16 x 7.000")	1
379424-24	Stud (.438"-14 x .438"-20 x 2.125")	2	379423-18	Stud (.375"-16 x .375"-24 x 2.00")	2
328170-131X			328170-159X		
379424-29	Stud (.438"-14 x .438"-20 x 2.750")	6	378054	Dowel Pin (.438" x 1.000)	2
378057	Dowel Pin (.438" x 1.250")	2	379224	Tab Lock Washer (.438")	4
379745	11/16" Hex Head Flange Nut (.438"-20)	8	379745	11/16" Hex Head Flange Nut (.438"-20)	4
379424-26	Stud (.438"-14 x .438"-20 x 2.500")	2	379287-29	11/16" Hex Head Capscrew (.438"-14 x 3.750")	2
328170-132X			328170-162X		
379424-32	Stud (.438"-14 x .438"-20 x 2.875")	6	379224	Tab Lock Washer (.438")	8
378174	Dowel Pin (.438" x 1.500")	2	379287-16	11/16" Hex Head Capscrew (.438"-14 x 1.750")	8
379745	11/16" Hex Head Flange Nut (.438"-20)	8	Continued on Next Page		
379424-24	Stud (.438"-14 x .438"-20 x 2.375")	2			
328170-134X					
379424-36	Stud (.438"-14 x .438"-20 x 3.125")	6			
378175	Dowel Pin (.438" x 2.000")	2			
379745	11/16" Hex Head Flange Nut (.438"-20)	8			
379424-34	Stud (.438"-14 x .438"-20 x 3.000")	2			
328170-135X					
379424-40	Stud (.438"-14 x .438"-20 x 3.375")	6			
379745	11/16" Hex Head Flange Nut (.438"-20)	8			
379424-36	Stud (.438"-14 x .438"-20 x 3.125")	2			
328170-136X					
378424-42	Stud (.438"-14 x .438"-20 x 3.500")	6			
378175	Dowel Pin (.438" x 2.000")	2			
379745	11/16" Hex Head Flange Nut (.438"-20)	8			
378424-40	Stud (.438"-14 x .438"-20 x 3.375")	2			
328170-137X					
379424-46	Stud (.438"-14 x .438"-20 x 3.750")	6			
378809	Dowel Pin (.438" x 2.500")	2			
379745	11/16" Hex Head Flange Nut (.438"-20)	8			
379424-42	Stud (.438"-14 x .438"-20 x 3.500")	2			

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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-163X			328170-177X		
378898	1/4" Flat Head Hex Socket Screw (.438"-14 x 1.000").....	2	378774	Tab Lock Washer (.390")	1
379224	Tab Lock Washer (.438")	8	379423-12	Stud (.375"-16 x .375"-24 x 1.625").....	3
379287-11	11/16" Hex Head Capscrew (.438"-14 x 1.125").....	8	379423-13	Stud (.375"-16 x .375"-24 x 1.750").....	2
328170-164X			378431-28	9/16" Hex Head Capscrew (.375"-16 x 3.500").....	1
378898	1/4" Flat Head Hex Socket Screw (.438"-14 x 1.00")	1	379744	9/16" Hex Head Flange Nut (.375"-24).....	5
379224	Tab Lock Washer (.438")	8	328170-178X		
379287-9	11/16" Hex Head Capscrew (.438"-14 x .875").....	8	378130	Lock Washer (.078")	1
328170-165X			378774	Tab Lock Washer (.390" x .625" x .0418")	3
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	2
379423-54	Stud (.375"-16 x .375"-24 x 4.250").....	6	378431-12	9/16" Hex Head Capscrew (.375"-16 x 1.250").....	1
500357-11	Lock Washer (.375")	6	378431-13	9/16" Hex Head Capscrew (.375"-16 x 1.375")	1
500370-3	9/16" Hex Nut (.375"-16).....	6	379423-12	Stud (.375"-16 x .375"-24 x 1.625").....	2
328170-167X			379433-10	5/16" Socket Head Capscrew (.375"-16 x 2.000").....	2
379428-18	Stud (.375"-16 x .375"-24 x 2.000").....	8	328170-179X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	8	379424-21	Stud (.438"-14 x .438"-20 x 2.250").....	8
328170-168X ♦			379745	11/16" Hex Head Flange Nut (.438"-20).....	8
379423-46	Stud (.375"-16 x .375"-24 x 3.750").....	6	328170-182X		
379744	9/16" Hex Head Flange Nut (.375"-24).....	6	379287-12	11/16" Hex Head Capscrew (.438"-14 x 1.250")	7
328170-172X ♦			379224	Tab Lock Washer (.438")	7
378774	Tab Lock Washer (.390" x .625" x .0418")	1	328170-188X		
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	379424-16	Stud (.438"-14 x .438"-20 x 1.875").....	4
378431-28	9/16" Hex Head Capscrew (.375"-16 x 3.500").....	1	379424-19	Stud (.438"-14 x .438"-20 x 2.125").....	4
379423-15	Stud (.375"-16 x 1.875")	3	378054	Dowel Pin (.438" x 1.000").....	2
379423-20	Stud (.375"-16 x 2.125")	2	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
328170-173X			328170-190X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	379536	Stud (.438"-14 x .438"-20 x 2.000").....	8
378431-27	9/16" Hex Head Capscrew (.375"-16 x 3.250").....	1	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
379423-14	Stud (.375"-16 x .375"-24 x 1.625").....	3	378054	Dowel Pin (.438" x 1.000").....	2
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	2	328170-192X		
328170-174X			379424-22	Stud (.438"-14 x .438"-20 x 2.250").....	8
378774	Tab Lock Washer (.390" x .625" x .0418")	1	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	328170-195X		
378431-28	9/16" Hex Head Capscrew (.375"-16 x 2.500").....	1	379424-18	Stud (.438"-14 x .438"-20 x 2.000").....	2
379423-20	Stud (.375"-16 x .375"-24 x 2.125").....	3	379424-22	Stud (.438"-14 x .438"-20 x 2.250").....	6
379423-22	Stud (.375"-16 x .375"-24 x 2.250").....	2	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
328170-175X			328170-196X		
378774	Tab Lock Washer (.390" x .625" x .0418")	1	379423-15	Stud (.375"-16 x .375"-24 x 1.875").....	4
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
378431-27	9/16" Hex Head Capscrew (.375"-16 x 3.250")	1	379561	Special Shoulder Stud (.375"-24 x .312"-18).....	2
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	3	Continued on Next Page		
379423-18	Stud (.375"-16 x .375"-24 x 2.000").....	2			

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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-200X ♦			328291-4X ♦		
379287-12	5/8" Hex Head Capscrew (.438"-14 x 1.25")..	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	2
379224	Tab Lock Washer (.438")	6	378431-26	9/16" Hex Head Capscrew (.375"-16 x 3.000")	4
379424-18	Stud (.438"-14 x .438"-20 x 2.000").....	2	379423-44	Stud (.375"-16 x .375"-24 x 3.625").....	2
379745	11/16" Hex Head Flange Nut (.438"-20).....	2	378774	Tab Lock Washer (.390" x .625" x .0418")	4
328170-203X			328291-6X		
378018	Copper Washer (.390" x .562" x .0453").....	6	379744	9/16" Hex Head Flange Nut (.375"-24).....	2
379457-13	Shoulder Stud (.375"-16 x .375"-24 x 1.750")	1	378431-29	9/16" Hex Head Capscrew (.375"-16 x 3.750")	4
379423-16	Stud (.375"-16 x .375"-24 x 1.875").....	2	379423-52	Stud (.375"-16 x .375"-24 x 4.125").....	2
378935	9/16" Hex Head Capscrew (.375"-16 x 3.250")	1	378774	Tab Lock Washer (.390" x .625" x .0418")	4
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	328291-8X ♦		
379423-14	Stud (.375"-16 x .375"-24 x 1.750").....	2	379744	9/16" Hex Head Flange Nut (.375"-24).....	2
379224	Tab Lock Washer (.438")	1	378431-31	9/16" Hex Head Capscrew (.375"-16 x 4.250")	4
328170-204X			379423-68	Stud (.375"-16 x .375"-24 x 5.125").....	2
379287-16	5/8" Hex Head Capscrew (.438"-14 x 1.750")	8	378774	Tab Lock Washer (.390" x .625" x .0418")	4
379224	Tab Lock Washer (.438")	8	328291-9X		
328170-207X			379744	9/16" Hex Head Flange Nut (.375"-24).....	2
378447-6	1/4" Socket Head Capscrew (.312"-18 x 1.000").....	3	378431-33	9/16" Hex Head Capscrew (.375"-16 x 4.750")	4
328170-209X ♦			379423-72	Stud (.375"-16 x .375"-24 x 5.375").....	2
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	378774	Tab Lock Washer (.390" x .625" x .0418")	4
379424-19	Stud (.438"-20 x .438"-20 x 2.125").....	8	328291-10X		
328170-216X ♦			379744	9/16" Hex Head Flange Nut (.375"-24).....	2
378447-8	1/4" Socket Head Capscrew (.312"-18 x 1.500").....	4	378431-33	9/16" Hex Head Capscrew (.375"-16 x 4.750").....	4
328256X			379423-74	Stud (.375"-16 x .375"-24 x 5.500").....	2
378774	Tab Lock Washer (.390" x .625" x .0418")	6	378774	Tab Lock Washer (.390" x .625" x .0418")	4
500503-8	5/16" Socket Head Capscrew (.375"-16 x 1.500").....	6	328291-17X		
328291-2X ♦			379744	9/16" Hex Head Flange Nut (.375"-24).....	2
378774	Tab Lock Washer (.390")	4	379423-60	Stud (.375"-16 x .375"-24 x 4.625").....	2
379744	9/16" Hex Head Flange Nut (.375"-24).....	2	378431-30	9/16" Hex Head Capscrew (.375"-16 x 4.000").....	4
378431-22	9/16" Hex Head Capscrew (.375"-16 x 2.375")	4	378774	Tab Lock Washer (.390" x .625" x .0418")	4
379423-36	Stud (.375"-16 x .375"-24 x 3.125").....	2	328794-5X		
328291-3X			21-P-352	Adapter Cover	1
378431-23	9/16" Hex Head Capscrew (.375"-16 x 2.625")	4	37-P-46	Spring	1
379744	9/16" Hex Head Flange Nut (.375"-24).....	2	57-P-17	Clutch (curvic)	1
379423-40	Stud (.375"-16 x .375"-24 x 3.375").....	2	379433-14	5/16" Socket Head Capscrew (.375"-16 x 3.000").....	2
378774	Tab Lock Washer (.390" x .625" x .0418")	4	379164	Cone Lock Sleeve.....	2
328794-6X			328794-6X		
37-P-45	Spring	1	37-P-45	Spring	1
57-P-17	Clutch	1	57-P-17	Clutch	1
379433-13	5/16" Socket Head Capscrew (.375"-16 x 2.750").....	2	379433-13	5/16" Socket Head Capscrew (.375"-16 x 2.750").....	2
379164	Cone Lock Sleeve.....	2	379164	Cone Lock Sleeve.....	2

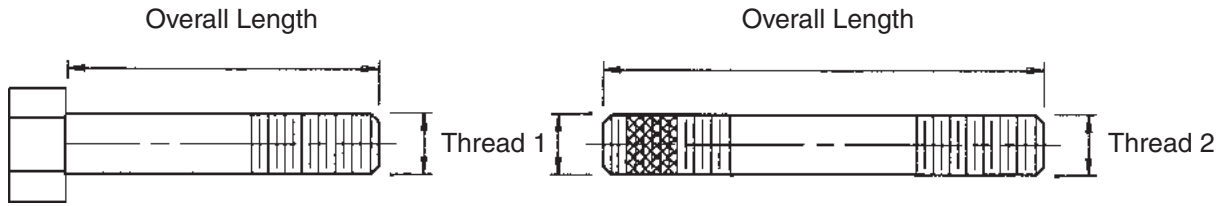
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PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328794-7X ♦			328794-21X		
379423-100	Stud (.375"-16 x .375"-24 x 7.125")	2	379423-108	Stud (.375"-16 x .375"-24 x 7.625")	2
379744	9/16" Hex Head Flange Nut (.375"-24)	2	379744	9/16" Hex Head Flange Nut (.375"-24)	2
328794-13X			328794-23X		
37-P-58	Spring	1	37-P-46	Spring	1
57-P-17	Clutch	1	57-P-17	Clutch	1
378431-24	9/16" Hex Head Capscrew (.375"-16 x 2.750")	2	379433-14	5/16" Socket Head Capscrew (.375"-16 x 3.000")	2
379423-16	Stud (.375"-16 x .375"-24 x 1.875")	2	328794-27X		
500357-11	Lock Washer (.382" x .688" x .141" x .094") ..	2	379433-12	5/16" Socket Head Capscrew (.375"-16 x 2.500")	2
500365-26	Flat Washer (.406" x .812" x .065")	2	379433-18	5/16" Socket Head Capscrew (.375"-16 x 4.500")	1
379744	9/16" Hex Head Flange Nut (.375"-24)	2	379273	90° Elbow (.375"-18 x .750"-16)	1
328794-19X			379304	Oil Strainer	1
31-P-76	Thrust Washer	1	328794-41X		
37-P-53	Spring	1	21-P-473	Bearing cap	1
57-P-22	Clutch	1	37-P-44	Spring	1
378431-26	9/16" Hex Head Capscrew (.375"-16 x 3.000")	1	378431-28	Hex capscrew (.375"-16 x 3.500")	2
379423-14	Stud (.375"-16 x .375"-24 x 1.750")	1	379293-54	Stud (.375"-16 x .375"-24 x 4.000")	2
500357-11	Lock Washer (.382" x .688" x .141" x .094") ..	1	379315	Gasket Eliminator	1
500365-26	Flat Washer (.406" x .812" x .065")	1	500357-11	Lock Washer (.382" x .688" x .141" x .094") ..	2
379744	9/16" Hex Head Flange Nut (.375"-24)	1	379744	9/16" Hex Head Flange Nut (.375"-24)	2
560964	Roller Bearing	1	328794-44X		
328794-20X			379423-96	Stud (.375"-16 x .375"-24 x 6.875")	2
31-P-76	Thrust Washer	1	379744	9/16" Hex Head Flange Nut (.375"-24)	2
37-P-54	Spring	1			
57-P-23	Clutch	1			
378431-26	9/16" Hex Head Capscrew (.375"-16 x 3.000")	2			
500365-26	Washer (.375")	2			
560964	Roller Bearing	1			
379197	Oil Strainer	1			
379180	90° Elbow (oil strainer)	1			

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Standard Stud Cross Reference by Length



PART NUMBER	DESCRIPTION	THREAD 1	THREAD 2	OVERALL LENGTH
378285-1	1/2" Hex Head Capscrew	.312"-24		0.625"
379433-4	5/16" Socket Head Capscrew	.375"-16		0.750"
379287-9	11/16" Hex Head Capscrew	.438"-14		0.875"
379433-5	5/16" Socket Head Capscrew	.375"-16		0.875"
379287-10	11/16" Hex Head Capscrew	.438"-14		1.000"
378447-6	1/4" Socket Head Capscrew	.312"-18		1.000"
379433-6	5/16" Socket Head Capscrew	.375"-16		1.000"
378431-11	9/16" Hex Head Capscrew	.375"-16		1.125"
379287-11	11/16" Hex Head Capscrew	.438"-14		1.125"
378431-12	9/16" Hex Head Capscrew	.375"-16		1.250"
379287-12	11/16" Hex Head Capscrew	.438"-14		1.250"
378431-13	9/16" Hex Head Capscrew	.375"-16		1.375"
378447-8	1/4" Socket Head Capscrew	.312"-18		1.500"
378431-14	9/16" Hex Head Capscrew	.375"-16		1.500"
378431-15	9/16" Hex Head Capscrew	.375"-16		1.625"
379423-12	Stud	.375"-16	.375"-24	1.625"
379287-16	11/16" Hex Head Capscrew	.438"-14		1.750"
379423-13	Stud	.375"-16	.375"-24	1.750"
379423-14	Stud	.375"-16	.375"-24	1.750"
379433-9	5/16" Socket Head Capscrew	.375"-16		1.750"
379457-13	Shoulder Stud	.375"-16	.375"-24	1.750"
379457-14	Shoulder Stud	.375"-16	.375"-24	1.750"
379287-17	11/16" Hex Head Capscrew	.438"-14		1.875"
379423-15	Stud	.375"-16	.375"-24	1.875"
379423-16	Stud	.375"-16	.375"-24	1.875"
379423-18	Stud	.375"-16	.375"-24	2.000"
379433-10	5/16" Socket Head Capscrew	.375"-16		2.000"
379423-20	Stud	.375"-16	.375"-24	2.125"
379423-22	Stud	.375"-16	.375"-24	2.250"
379424-21	Stud	.438"-14	.438"-20	2.250"
379424-22	Stud	.438"-14	.438"-20	2.250"
378431-21	9/16" Hex Head Capscrew	.375"-16		2.375"
379423-24	Stud	.375"-16	.375"-24	2.375"
379424-24	Stud	.438"-14	.438"-20	2.375"
378431-22	9/16" Hex Head Capscrew	.375"-16		2.500"
379423-26	Stud	.375"-16	.375"-24	2.500"
379424-26	Stud	.438"-14	.438"-20	2.500"

Standard Stud Cross Reference by Length (Continued)

PART NUMBER	DESCRIPTION	THREAD 1	THREAD 2	OVERALL LENGTH
379433-12	5/16" Socket Head Capscrew	.375"-16		2.500"
378431-23	9/16" Hex Head Capscrew	.375"-16		2.625"
379423-28	Stud	.375"-16	.375"-24	2.625"
378431-24	9/16" Hex Head Capscrew	.375"-16		2.750"
379423-30	Stud	.375"-16	.375"-24	2.750"
379424-29	Stud	.438"-14	.438"-20	2.750"
379433-13	5/16" Socket Head Capscrew	.375"-16		2.750"
378431-25	9/16" Hex Head Capscrew	.375"-16		2.875"
379423-32	Stud	.375"-16	.375"-24	2.875"
379424-32	Stud	.438"-14	.438"-20	2.875"
379423-34	Stud	.375"-16	.375"-24	3.000"
379424-34	Stud	.438"-14	.438"-20	3.000"
379433-14	5/16" Socket Head Capscrew	.375"-16		3.000"
379423-36	Stud	.375"-16	.375"-24	3.125"
379424-36	Stud	.438"-14	.438"-20	3.125"
378935	9/16" Hex Head Shoulder Capscrew	.375"-16		3.250"
378431-27	9/16" Hex Head Capscrew	.375"-16		3.250"
379423-38	Stud	.375"-16	.375"-24	3.250"
379442	Shoulder Stud	.500"-13	.500"-20	3.350"
379423-40	Stud	.375"-16	.375"-24	3.375"
379424-40	Stud	.438"-14	.438"-20	3.375"
378431-28	9/16" Hex Head Capscrew	.375"-16		3.500"
379423-42	Stud	.375"-16	.375"-24	3.500"
379424-42	Stud	.438"-14	.438"-20	3.500"
379423-44	Stud	.375"-16	.375"-24	3.625"
379424-43	Stud	.438"-14	.438"-20	3.625"
378431-29	9/16" Hex Head Capscrew	.375"-16		3.750"
379287-29	11/16" Hex Head Capscrew	.438"-14		3.750"
379423-46	Stud	.375"-16	.375"-24	3.750"
379424-46	Stud	.438"-14	.438"-20	3.750"
379423-48	Stud	.375"-16	.375"-24	3.875"
378431-30	9/16" Hex Head Capscrew	.375"-16		4.000"
379423-50	Stud	.375"-16	.375"-24	4.000"
379424-50	Stud	.438"-14	.438"-20	4.000"
379293-54	Stud	.375"-16	.375"-24	4.125"
379423-52	Stud	.375"-16	.375"-24	4.125"
378431-31	9/16" Hex Head Capscrew	.375"-16		4.250"
379287-31	11/16" Hex Head Capscrew	.438"-14		4.250"
379423-54	Stud	.375"-16	.375"-24	4.250"
379423-56	Stud	.375"-16	.375"-24	4.375"
378431-32	9/16" Hex Head Capscrew	.375"-16		4.500"
379287-32	11/16" Hex Head Capscrew	.438"-14		4.500"
379293-59	Stud	.376"-16	.375"-24	4.500"
379423-58	Stud	.375"-16	.375"-24	4.500"
379433-18	5/16" Socket Head Capscrew	.375"-16		4.500"
379423-60	Stud	.375"-16	.375"-24	4.625"

Standard Stud Cross Reference by Length (Continued)

PART NUMBER	DESCRIPTION	THREAD 1	THREAD 2	OVERALL LENGTH
378431-33	9/16" Hex Head Capscrew	.375"-16		4.750"
379423-62	Stud	.375"-16	.375"-24	4.750"
379423-64	Stud	.375"-16	.375"-24	4.875"
378431-34	9/16" Hex Head Capscrew	.375"-16		5.000"
379287-34	11/16" Hex Head Capscrew	.438"-14		5.000"
379423-66	Stud	.375"-16	.375"-24	5.000"
379423-68	Stud	.375"-16	.375"-24	5.125"
379287-35	11/16" Hex Head Capscrew	.438"-14		5.250"
379423-70	Stud	.375"-16	.375"-24	5.250"
379423-72	Stud	.375"-16	.375"-24	5.375"
378431-36	9/16" Hex Head Capscrew	.375"-16		5.500"
379287-36	11/16" Hex Head Capscrew	.438"-14		5.500"
379423-74	Stud	.375"-16	.375"-24	5.500"
379423-76	Stud	.375"-16	.375"-24	5.625"
379287-37	11/16" Hex Head Capscrew	.438"-14		5.750"
378431-38	9/16" Hex Head Capscrew	.375"-16		6.000"
379287-38	11/16" Hex Head Capscrew	.438"-14		6.000"
379423-82	Stud	.375"-16	.375"-24	6.000"
379287-39	11/16" Hex Head Capscrew	.438"-14		6.250"
379423-86	Stud	.375"-16	.375"-24	6.250"
379287-40	11/16" Hex Head Capscrew	.438"-14		6.500"
379423-90	Stud	.375"-16	.375"-24	6.500"
378431-41	9/16" Hex Head Capscrew	.375"-16		6.750"
379423-94	Stud	.375"-16	.375"-24	6.750"
379423-96	Stud	.375"-16	.375"-24	6.875"
378431-42	9/16" Hex Head Capscrew	.375"-16		7.000"
379423-100	Stud	.375"-16	.375"-24	7.125"
378431-43	9/16" Hex Head Capscrew	.375"-16		7.250"
379423-108	Stud	.375"-16	.375"-24	7.625"
378431-45	9/16" Hex Head Capscrew	.375"-16		7.750"
378431-46	9/16" Hex Head Capscrew	.375"-16		8.000"
378431-47	9/16" Hex Head Capscrew	.375"-16		8.250"
378431-48	9/16" Hex Head Capscrew	.375"-16		8.500"
379423-128	Stud	.375"-16	.375"-24	8.875"
379423-135	Stud	.375"-16	.375"-24	9.375"
379423-140	Stud	.375"-16	.375"-24	9.625"
378431-54	9/16" Hex Head Capscrew	.375"-16		10.000"
378431-55	9/16" Hex Head Capscrew	.375"-16		10.250"
378431-57	9/16" Hex Head Capscrew	.375"-16		10.750"

PTO Metric Kits

**Parts List
Stud Kits**

PART NUMBER	DESCRIPTION	QTY.
7170-60X		
379428-14	Stud (M10-1.5 x .375"-24 x 1.750")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	6
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	2
7170-61X		
379428-28	Stud (M10-1.5 x .375"-24 x 2.625")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-62X		
379428-40	Stud (M10-1.5 x .375"-24 x 3.375")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-64X		
379428-32	Stud (M10-1.5 x .375"-24 x 2.875")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-65X		
379428-20	Stud (M10-1.5 x .375"-24 x 2.125")	4
379428-60	Stud (M10-1.5 x .375"-24 x 4.625")	1
379428-108	Stud (M10-1.5 x .375"-24 x 7.625")	1
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-68X		
379429-16	Stud (M12-1.75 x .438"-20 x 1.875")	8
379745	11/16" Hex Head Flange Nut (.438"-20)	8
7170-72X ♦		
379428-14	Stud (M10-1.5 x .375"-24 x 1.750")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-76X		
379428-22	Stud (M10-1.5 x .375"-24 x 2.250")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	6
379428-28	Stud (M10-1.5 x .375"-24 x 2.625")	2
7170-77X		
379428-40	Stud (M10-1.5 x .375"-24 x 3.375")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	6
379428-44	Stud (M10-1.5 x .375"-24 x 3.625")	2
7170-78X ♦		
379428-16	Stud (M10-1.5 x .375"-24 x 1.875")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-79X ♦		
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-82X		
379428-34	Stud (M10-1.5 x .375"-24 x 3.000")	6
379744	9/16" Hex Head Flange Nut (.375"-24)	6
7170-86X ♦		
379451	Slotted Guide Screw (M10-1.5 x .984")	2
379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm)	8
379486	Elbow-90 Degree (.438"-20)	1

PART NUMBER	DESCRIPTION	QTY.
7170-87X		
379744	9/16" Hex Head Flange Nut (.375"-24)	5
379444	Special Shoulder Stud (M10-1.5 x .375"-24 x 1.875")	1
379445	9/16" Hex Head Special Shoulder Capscrew (M10-1.5 x 3.205")	1
379428-12	Stud (M10-1.5 x .375"-24 x 1.625")	2
379428-14	Stud (M10-1.5 x .375"-24 x 1.750")	2
378774	Tab Lock Washer (.390" x .625" x .0418")	1
7170-91X		
379428-26	Stud (M10-1.5 x .375"-24 x 2.500")	4
379428-22	Stud (M10-1.5 x .375"-24 x 2.250")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	8
7170-93X ♦		
379428-20	Stud (M10-1.5 x .375"-24 x 2.125")	4
379428-24	Stud (M10-1.5 x .375"-24 x 2.375")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	8
7170-94X		
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	4
379428-20	Stud (M10-1.5 x .375"-24 x 2.125")	4
379744	9/16" Hex Head Flange Nut (.375"-24)	8
7170-98X		
379148-8	7mm Socket Head Capscrew (M10-1.5 x 35mm)	6
378926	Lock Washer (10)	6
7170-100X		
28-P-200	O-Ring Viton (-013)	1
379577-64	17mm Hex Head Capscrew (M10-1.25 x 170mm)	1
379744	9/16" Hex Head Flange Nut (.375"-24)	5
379908	Stud (M10-1.25" x .375"-24 x 1.75")	5
7170-102X ♦		
378924-48	17mm Hex Head Capscrew (M10-1.5 x 130mm)	1
379428-14	Stud (M10-1.5 x .375"-24 x 1.750")	5
379744	9/16" Hex Head Flange Nut (.375"-24)	5
7170-103X ♦		
379428-14	Stud (M10-1.5 x .375" x 1.750")	3
379428-16	Stud (M10-1.5 x .375"-24 x 1.875")	2
379445-1	9/16" Hex Head Special Shoulder Capscrew (M10-1.5 x 3.250")	1
379744	9/16" Hex Head Flange Nut (.375"-24)	5

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PTO Metric Kits

**Parts List
Stud Kits**

PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
7170-104X ♦			7170-123X ♦		
378431-11	9/16" Hex Head Capscrew (.375"-16 x 1.125").....	2	379451	Slotted Screw-Pilot (M10-1.5 x .984").....	2
379428-22	Stud (M10-1.5 x .375"-24 x 2.250")	2	379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm).....	7
379445-1	9/16" Hex Head Special Shoulder Capscrew (M10-1.5 x 3.250").....	1	379486	Elbow-90 Degree (.438"-20).....	1
379744	9/16" Hex Head Flange Nut (.375"-24).....	2	379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	1
379811	7mm Socket Head Capscrew (M10-1.50 x .984").....	3	379744	9/16" Hex Head Flange Nut (.375"-24).....	1
7170-105X			7170-128X ♦		
379429-26	Stud (M12-1.75 x .437"-20 x 2.500")	2	379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379429-30	Stud (M12-1.75 x .438"-20 x 2.750")	6	379908	Stud (M10-1.25 x .375"-24 x 1.750")	4
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	379908-1	Stud (M10-1.25 x .375"-24 x 1.675")	2
7170-107X ♦			7170-130X ♦		
379451	Slotted Guide Screw (M10-1.5 x .984")	2	378431-12	9/16 Hex Head Capscrew (.375"-16 x 1.625").....	2
379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm).....	7	379428-22	Stud (M10-1.5 x .375"-24 x 2.250")	3
379453-8	10mm Ferry Head Capscrew (M10-1.5 x 30mm)	1	379744	9/16" Hex Head Flange Nut (.375"-24).....	3
379486	Elbow-90 Degree (.438"-20)	1	379811	7mm Socket Head Capscrew (M10-1.5 x 25mm).....	3
7170-112X ♦			8000-14X		
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	379580-8	19mm Hex Head Capscrew (M12-1.75 x 30mm)	8
379974	Stud (M12-1.75 x .438"-20 x 1.562")	8	379140-7	Tab Washer (M12)	8
7170-117X ♦			8000-15X		
379451	Slotted Screw-Pilot (M10-1.5 x 25mm).....	2	379580-10	19mm Hex Head Capscrew (M12-1.75 x 35mm)	8
379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm).....	8	379140-7	Tab washer (M12).....	8
379812	7/16" Hex Head Male Connector - Flare Fitting (.438"-20).....	1	8000-16X		
7170-118X ♦			28-P-200	O-Ring Viton (-013).....	1
379451	Slotted Screw-Pilot (M10-1.5 x 25mm).....	2	378924-52	17mm Hex Head Capscrew (M10-1.5 x 140mm)	1
SK-355	Installation Instructions.....	1	379697	Split Hollow Dowel (.500" x .726")	2
379453-8	10mm Ferry Head Capscrew (M10-1.5 x 30mm).....	1	379706	15mm Hex Head Bolt (M10-1.5 x 1.180").....	5
379812	7/16" Hex Head Male Connector - Flare Fitting (.438"-20).....	1	8000-17X		
379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm).....	8	28-P-200	O-Ring Viton (-013).....	1
7170-119X ♦			378924-64	17mm Hex Head Capscrew (M10-1.5 x 170mm)	1
379429-22	Stud (M12-1.75 x .438"-20 x 2.250")	4	379697	Split Hollow Dowel (.500" x .726")	2
379745	11/16" Hex Head Flange Nut (.438"-20).....	4	379706	15mm Hex Head Bolt (M10-1.5 x 1.180").....	5
7170-120X ♦			8000-19X		
379745	11/16" Hex Head Flange Nut (.438"-20).....	8	28-P-200	O-Ring (.426 x .070).....	1
379429-22	Stud (M12-1.75 x .438"-20 x 2.250")	8	379697	Dowel-Split Hollow.....	2
7170-121X ♦			379706	15mm Hex Head Bolt (M10 x 1.5 x 30mm) ...	4
379908	Stud (M10-1.25 x .375"-24 x 1.750")	5	379578-56	17mm Hex Head Capscrew (M10-1.5 x 150mm).....	1
379744	9/16" Hex Head Flange Nut (.375"-24).....	5	379428-22	Stud (M10-1.5 x .375"-24 x 2.250")	1
379577-48	17mm Hex Head Capscrew (M10-1.25 x 130mm)	1	379744	9/16" Hex Head Flange Nut (.375"-24).....	1

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**Parts List
Stud Kits**

PART NUMBER	DESCRIPTION	QTY.
8000-21X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	3
380073	15mm Hex Head Flange Bolt (M10-1.5 x 40mm).....	3
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	1
379428-24	Stud (M10-1.5 x .375"-24 x 2.375")	2
8000-23X ♦		
379676-10	5mm Socket Head Capscrew (M12-1.75 X 45mm).....	4
8000-24X ♦		
379676-11	5mm Socket Head Capscrew (M12-1.75 x 50mm)	4
8000-26X ♦		
379676-8	5mm Socket Head Capscrew (M12-1.75 x 35mm)	4
8000-29X ♦		
379412-33	Stud (M12-1.75 x 115mm).....	4
380520	18mm Hex Head Flange Nut (M12-1.75)	4
8000-31X ♦		
379412-36	Stud (M12-1.75 x 133mm).....	4
380520	18mm Hex Head Flange Nut (M12-1.75)	4
8000-34X ♦		
379676-20	10mm Socket Head Capscrew (M12-1.75 x 130mm)	4
8000-36X ♦		
379676-18	10mm Socket Head Capscrew (M12-1.75 x 110mm)	4
8000-39X ♦		
379740-8	8mm Socket Head Capscrew (M10-1.50 x 35)	1
379740-9	8mm Socket Head Capscrew (M10-1.50 x 40mm)	1
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	1
379744	9/16" Hex Head Flange Nut (.375"-24).....	1
8000-40X ♦		
379676-9	10mm Socket Head Capscrew (M12-1.75 x 40mm)	4
379140-7	M12 Lockwasher (12.2 x 21.1 x 2.5)	4
8000-44X ♦		
379579-6	19mm Hex Head Capscrew (M12-1.75 x 25mm)	4
8000-45X ♦		
379744	9/16" Hex Head Flange Nut (.375"-24).....	6
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	2
379428-24	Stud (M10-1.5 x .375"-24 x 2.375")	4

PART NUMBER	DESCRIPTION	QTY.
8000-46X ♦		
379428-24	Stud (M10-1.5 x .375"-24 x 2.375")	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6
328170-141X		
379437-14	Stud (M10-1.25 x .375"-24 x 1.750")	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6
328170-167X		
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	8
379744	9/16" Hex Head Flange Nut (.375"-24).....	8
328170-169X		
379428-18	Stud (M10-1.5 x .375"-24 x 2.000")	4
379744	9/16" Hex Head Flange Nut (.375"-24).....	4
378924-36	17mm Hex Head Capscrew (M10-1.5 x 100mm)	1
378924-67	17mm Hex Head Capscrew (M10-1.5 x 178mm)	1
378774	Tab Lock Washer (.390" x .625" x .0418")	2
328170-170X		
378924-10	17mm Hex Head Capscrew (M10-1.5 x 35mm).....	2
379148-11	7mm Socket Head Capscrew (M10-1.5 x 50mm)	6
328170-176X		
379363-8	8mm Socket Head Capscrew (M10-1.25 x 35mm)	2
379363-7	8mm Socket Head Capscrew (M10-1.25 x 30mm)	4
379420	Rubber Plug.....	2
379421	Installation Drawing	1
328170-181X		
379411-20	Stud (M10-1.5 x M10-1.5 x 75mm).....	4
379578-10	17mm Hex Head Capscrew (M10-1.5 x 35mm).....	4
379140-6	Lock Washer	4
379141-9	Hex nut (M10-1.5).....	4
328170-185X ♦		
379429-22	Stud (M12-1.75 x .438"-20 x 2.250")	8
378054	Dowel Pin (.438" x 1.00").....	2
379745	11/16" Hex Head Flange Nut (.438"-20).....	8
328170-186X		
379428-12	Stud (M10-1.5 x .375"-24 x 1.625")	6
379744	9/16" Hex Head Flange Nut (.375"-24).....	6
328170-187X		
379419-8	10mm Socket Head Capscrew (M12-1.25 x 35mm).....	2
379419-18	10mm Socket Head Capscrew (M12-1.25 x 110mm)	2

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♦ = Active In Price Book

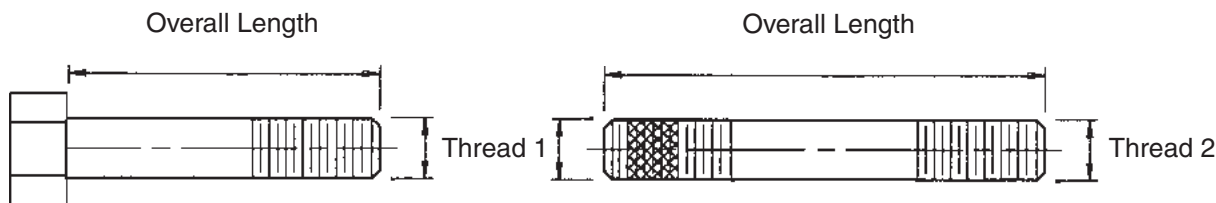
PTO Metric Kits

**Parts List
Stud Kits**

PART NUMBER	DESCRIPTION	QTY.	PART NUMBER	DESCRIPTION	QTY.
328170-191X			328170-201X ♦		
379562	10mm Socket Low Head Capscrew (M12-1.25 x 1.024").....	2	379429-18	Stud (M12 x 1.75 x .438"-20 x 2.000").....	8
379563	10mm Socket Low Head Capscrew (M12-1.25 x 1.575").....	4	379745	11/16" Hex Head Flange Nut (.438"-20).....	8
328170-197X			328170-202X ♦		
379428-14	Stud (M10-1.5 x .375"-24 x 1.750").....	8	378924-12	17mm Hex Head Capscrew (M10-1.5 x 40mm).....	2
379744	9/16" Hex Head Flange Nut (.375"-24).....	8	379148-13	7mm Socket Head Capscrew (M10-1.5 x 60mm).....	6
328170-198X			328170-205X ♦		
379607	Guide Pin (.394" x .571").....	2	379744	9/16" Hex Head Flange Nut (.375"-24).....	5
379606	Sealing Washer (.187" x .650" x .120").....	1	379437-14	Stud (M10-1.25 x .375"-24 x 1.750").....	5
379453-10	10mm Ferry Head Capscrew (M10-1.5 x 35mm).....	5	379750	9/16" Hex Head Capscrew (M10-1.25 x 3.250").....	1
328170-199X			328170-217X		
379148-10	7mm Socket Head Capscrew (M10-1.5 x 45mm).....	6	380605	Stud (M12-1.75 x .438"-20 x 1.921").....	8
			379745	11/16" Hex Head Flange Nut (.438"-20).....	8

♦ = Active In Price Book

Metric Stud Cross Reference by Length



PART NUMBER	DESCRIPTION	THREAD 1	THREAD 2	LENGTH (IN)	LENGTH (MM)
379811	7mm Socket Head Capscrew	M10-1.50		0.984"	25
379148-6	7mm Socket Head Capscrew	M10-1.50		0.984"	25
379363-6	8mm Socket Head Capscrew	M10-1.25		0.984"	25
379579-6	19mm Hex Head Capscrew	M12-1.75		0.984"	25
379562	10mm Socket Low Head Capscrew	M12-1.25		1.024"	26
379706	15mm Hex Head Bolt	M10-1.50		1.180"	30
379363-7	8mm Socket Head Capscrew	M10-1.25		1.181"	30
379453-8	11mm Ferry Head Capscrew	M10-1.50		1.181"	30
379580-8	19mm Hex Head Capscrew	M12-1.75		1.181"	30
378924-10	17mm Hex Head Capscrew	M10-1.50		1.378"	35
379148-8	7mm Socket Head Capscrew	M10-1.50		1.378"	35
379363-8	8mm Socket Head Capscrew	M10-1.25		1.378"	35
379419-8	10mm Socket Head Capscrew	M12-1.25		1.378"	35
379453-10	11mm Ferry Head Capscrew	M10-1.50		1.378"	35
379580-10	19mm Hex Head Capscrew	M12-1.75		1.378"	35
379676-8	5mm Socket Head Capscrew	M12-1.75		1.378"	35
379740-8	8mm Socket Head Capscrew	M10-1.50		1.378"	35
379974	Stud	M12-1.75	.438"-20	1.562"	39
379563	10mm Socket Low Head Capscrew	M12-1.25		1.575"	40
378924-12	17mm Hex Head Capscrew	M10-1.50		1.575"	40
379740-9	8mm Socket Head Capscrew	M10-1.50		1.575"	40
380073	15mm Hex Head Flange Bolt	M10-1.50		1.575"	40
379676-9	10mm Socket Head Capscrew	M12-1.75		1.575"	40
379740-9	8mm Socket Head Capscrew	M19-1.50		1.575"	40
379908-1	Stud	M10-1.25	.375"-24	1.675"	42
379411-7	Stud	M10-1.50	M10-1.50	1.693"	43
379428-14	Stud	M10-1.50	.375"-24	1.750"	44
379437-14	Stud	M10-1.25	.375"-24	1.750"	44
379908	Stud	M10-1.25	.375"-24	1.750"	44
379148-10	7mm Socket Head Capscrew	M10-1.50		1.772"	45
379676-10	5mm Socket Head Capscrew	M12-1.75		1.772"	45
379411-9	Stud	M10-1.50	M10-1.50	1.890"	48
379428-16	Stud	M10-1.50	.375"-24	1.875"	48
379429-16	Stud	M12-1.75	.438"-20	1.875"	48
380605	Stud	M12-1.75	.438"-20	1.921"	49
379148-11	7mm Socket Head Capscrew	M10-1.50		1.968"	50
379676-11	5mm Socket Head Capscrew	M12-1.75		1.969"	50
379427-18	Stud	M8-1.25	.312"-24	2.000"	51

Metric Stud Cross Reference by Length (Continued)

PART NUMBER	DESCRIPTION	THREAD 1	THREAD 2	LENGTH (IN)	LENGTH (MM)
379428-18	Stud	M10-1.50	.375"-24	2.000"	51
379429-18	Stud	M12-1.75	.438"-20	2.000"	51
379428-20	Stud	M10-1.50	.375"-24	2.125"	54
379428-22	Stud	M10-1.50	.375"-24	2.250"	57
379429-22	Stud	M12-1.75	.438"-20	2.250"	57
379428-22	Stud	M10-1.5	.375"-24	2.250"	57
379428-24	Stud	M10-1.5	.375"-24	2.250"	57
379148-13	7mm Socket Head Capscrew	M10-1.50		2.362"	60
379429-22	Stud	M12-1.75	.438"-20	2.375"	60
379428-28	Stud	M10-1.50	.375"-24	2.625"	67
379429-30	Stud	M12-1.75	.438"-20	2.750"	70
379437-30	Stud	M10-1.25	.375"-24	2.750"	70
379428-32	Stud	M10-1.50	.375"-24	2.875"	73
379411-20	Stud	M10-1.50	M10-1.50	2.953"	75
379428-34	Stud	M10-1.50	.375"-24	3.000"	76
379428-36	Stud	M10-1.50	.375"-24	3.125"	79
379429-36	Stud	M12-1.75	.438"-20	3.125"	79
379750	9/16" Hex Head Capscrew	M10-1.25		3.250"	83
379445-1	9/16" Hex Head Special Shoulder Capscrew	M10-1.50		3.250"	83
379428-40	Stud	M10-1.50	.375"-24	3.375"	86
379411-26	Stud	M10-1.50	M10-1.50	3.543"	90
379428-44	Stud	M10-1.50	.375"-24	3.625"	92
379411-27	Stud	M10-1.50	M10-1.50	3.661"	93
379411-28	Stud	M10-1.50	M10-1.50	3.740"	95
379437-46	Stud	M10-1.25	.375"-24	3.750"	95
378924-36	17mm Hex Head Capscrew	M10-1.50		3.937"	100
379411-30	Stud	M10-1.50	M10-1.50	3.937"	100
379428-54	Stud	M10-1.50	.375"-24	4.250"	108
379419-18	10mm Socket Head Capscrew	M12-1.25		4.331"	110
379676-18	10mm Socket Head Capscrew	M12-1.75		4.331"	110
379412-33	Stud	M12-1.75	M12-1.75	4.527"	115
379428-60	Stud	M10-1.50	.375"-24	4.625"	117
379577-48	17mm Hex Head Capscrew	M10-1.25		5.118"	130
379676-20	10mm Socket Head Capscrew	M12-1.75		5.118"	130
379412-36	Stud	M12-1.75	M12-1.75	5.236"	133
378924-52	17mm Hex Head Capscrew	M10-1.50		5.519"	140
379429-74	Stud	M12-1.75	.438"-20	5.500"	140
379428-78	Stud	M10-1.50	.375"-24	5.750"	146
379578-56	17mm Hex Head Capscrew	M10-1.50		5.905"	150
378924-64	17mm Hex Head Capscrew	M10-1.50		6.693"	170
378924-67	17mm Hex Head Capscrew	M10-1.50		7.000"	178
379428-102	Stud	M10-1.50	.375"-24	7.250"	184
379428-108	Stud	M10-1.50	.375"-24	7.625"	194
379428-134	Stud	M10-1.50	.375"-24	9.250"	235

Standard/Metric Where Used

**Parts List
Stud Kits**

PART NUMBER	USED IN KIT NUMBERS		PART NUMBER	USED IN KIT NUMBERS	
*378924-10	328170-170X	328170-181X	*379428-28	7170-61X	7170-76X
*378924-12	328170-202X		*379428-32	7170-64X	
*378924-36	328170-169X		*379428-34	7170-82X	
*378924-67	328170-169X		*379428-36	7170-83X	
*379148-10	328170-199X	328170-183X	*379428-40	7170-62X	7170-77X
*379148-11	328170-170X	329181-2X	*379428-44	7170-77X	
	328170-107X		*379428-54	7170-71X	
*379148-13	328170-202X		*379428-60	7170-65X	7170-66X
*379148-8	7170-98X		*379428-78	7170-67X	
*379363-7	328170-176X		*379429-16	7170-68X	
*379363-8	328170-176X		*379429-18	328170-201X	328794-31X
*379411-7	328170-189X	7170-52X	*379429-22	328170-185X	7170-69X
*379411-9	328170-189X	7170-53X		7170-119X	7170-120X
*379411-20	328170-181X		*379429-26	7170-105X	
*379411-26	7170-54X		*379429-30	7170-73X	7170-105X
*379411-27	7170-55X		*379429-36	7170-70X	
*379411-28	7170-56X		*379429-74	7170-69X	
*379411-30	7170-57X		*379437-14	328170-141X	328170-205X
*379412-33	8000-29X			7170-100X	
*379412-36	8000-31X		*379437-30	7170-84X	
*379419-8	328170-187X		*379437-46	7170-85X	
*379419-18	328170-187X		*379445-1	7170-104X	
*379428-102	7170-71X		*379453-8	7170-118X	7170-107X
*379428-108	7170-65X			7170-117X	
*379428-134	328170-112X		*379453-10	328170-170X	328170-181X
*379428-14	328170-197X	7170-60X		7170-86X	7170-123X
	7170-72X	7170-102X		7170-118X	7170-107X
	7170-103X	7170-87X		7170-117X	
*379428-16	7170-78X	7170-92X	*379562	328170-191X	
	7170-95X	7170-103X	*379563	328170-191X	
*379428-18	328170-167X	328170-169X	*379577-48	7170-121X	
	7170-60X	7170-79X	*379578-56	8000-19X	
	7170-123X		*379579-6	8000-44X	
*379428-20	328170-167X	328170-169X	*379580-10	8000-15X	
	7170-93X	7170-65X	*379580-8	8000-14X	
*379428-22	7170-76X	7170-91X	*379676-10	8000-23X	
	7170-81X	7170-104X	*379676-11	8000-24X	
*379428-24	7170-91X	7170-93X	*379676-18	8000-36X	
	8000-45X	8000-46X	*379676-20	8000-34X	

* = Metric

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Standard/Metric Where Used

**Parts List
Stud Kits**

PART NUMBER	USED IN KIT NUMBERS		PART NUMBER	USED IN KIT NUMBERS	
*379676-8	328948-46X	8000-26X	378431-28	328170-177X	328794-41X
*379676-9	8000-40X			328170-172X	328170-74X
*379683	329181-2X		378431-29	328170-26X	328170-99X
*379740-8	8000-39X				328291-6X
*379740-9	8000-39X		378431-30	328170-1X	328170-96X
*378924-52	7170-102X	8000-16X		328291-17X	328794-45X
*378924-64	7171-101X	8000-17X	378431-31	328170-35X	328170-84X
*379706	8000-16X	8000-17X		328170-93X	328291-8X
*379740-14	328794-50X		378431-33	328170-33X	328291-10X
*379740-19	328794-50X			328291-9X	
*379750	328170-205X		378431-34	328170-28X	328170-4X
*379908	7170-100X	7170-128X	378431-36	328170-3X	
	7170-121X		378431-38	328170-32X	
*379908-1	7170-128X		378431-41	328170-26X	328170-99X
*379974	7170-112X		378431-42	328170-1X	328170-155X
*380073	8000-21X			328170-5X	328170-96X
*380605	328170-217X		378431-43	328170-35X	328170-36X
378431-11	328170-79X	328170-85X		328170-93X	
	328170-81X	328170-85X	378431-45	328170-33X	
	328170-26X	7170-74X	378431-46	328170-4X	
	328170-77X		378431-47	328170-116X	328170-97X
378431-12	328170-178X	328170-84X	378431-48	328170-3X	
	328170-86X	328170-88X	378431-54	328170-5X	
378431-13	328170-1X	328170-6X	378431-55	328170-36X	
	328170-148X	328170-178X	379442	7170-126X	
	328170-84X	328170-86X	378447-6	328170-207X	
	328170-88X	328170-82X	378447-8	328170-216X	
	328170-96X	328170-98X	378935	328170-101X	328170-203X
378431-14	328170-155X	328170-85X	379287-10	328170-128X	328170-103X
378431-15	328170-88X	7170-74X		328170-161X	
	7170-127X		379287-11	328170-160X	328170-163X
378431-21	328170-148X	328170-91X	379287-12	328170-127X	328170-182X
	8000-11X	8000-4X		328170-200X	
	8000-9X		379287-16	328170-21X	328170-204X
378431-22	328291-2X	8000-13X	379287-29	328170-113X	328170-158X
378431-23	328291-3X		379287-32	328170-113X	328170-158X
378431-24	328794-13X	328794-52X	379287-34	328170-159X	328170-21X
378431-27	328170-173X	7170-74X		328170-184X	
	328170-175X		379287-35	328170-117X	328170-21X

* = Metric

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Standard/Metric Where Used

**Parts List
Stud Kits**

PART NUMBER	USED IN KIT NUMBERS		PART NUMBER	USED IN KIT NUMBERS	
379287-36	328170-118X		379423-20	328170-172X	328170-174X
379287-37	328170-119X			328170-64X	328170-68X
379287-38	328170-120X	328170-124X		7170-36X	7170-39X
379287-39	328170-121X	328170-126X		7170-4X	
379287-40	328170-124X			379423-22	328170-174X
379287-9	328170-164X			7170-5X	
379293-54	328794-41X	328794-42X	379423-24	328170-35X	7170-44X
	328794-43X	328794-26X		7170-45X	7170-6X
379293-59	328794-45X		379423-26	7170-7X	
379423-100	328794-7X		379423-28	328170-33X	7170-8X
379423-108	328794-21X		379423-30	7170-9X	
379423-12	328170-177X	328170-178X	379423-32	328170-4X	7170-10X
	328170-95X	328170-6X	379423-34	7170-11X	
379423-128	328170-28X		379423-36	328170-28X	328291-2X
379423-13	328170-177X	328170-99X		7170-12X	
	328170-116X	328170-94X	379423-38	7170-13X	
	7170-1X	7170-34X	379423-40	328291-3X	7170-14X
	7170-33X	7170-35X		328170-3X	
	7170-43X	7170-44X	379423-42	7170-15X	
	7170-45X		379423-44	328291-4X	7170-16X
379423-14	328170-101X	328170-173X	379423-46	328170-168X	328170-83X
	328170-203X	328170-26X	379423-48	7170-18X	
	328170-79X	328170-97X	379423-50	328170-32X	7170-19X
379423-15	328170-196X	328170-88X	379423-52	328291-6X	7170-20X
	328170-93X	328170-116X	379423-54	328170-165X	7170-21X
	328170-76X	328170-94X	379423-56	7170-22X	
	328170-98X	328170-86X	379423-58	7170-23X	
	328170-82X	328170-96X	379423-60	328291-17X	7170-24X
	328170-172X	7170-2X	379423-62	328170-5X	7170-25X
	7170-34X	7170-37X	379423-64	7170-26X	
	7170-39X	328170-173X	379423-66	7170-27X	
	328170-175X	328170-70X	379423-68	328291-8X	7170-28X
379423-18	328170-1X	328170-155X	379423-70	7170-29X	
	328170-175X	7170-3X	379423-72	328170-36X	328291-9X
	7170-35X	7170-40X		7170-30X	
	7170-42X	7170-43X	379423-74	328291-10X	7170-31X
			379423-76	7170-32X	
			379423-82	7170-50X	

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Standard/Metric Where Used

**Parts List
Stud Kits**

PART NUMBER	USED IN KIT NUMBERS		PART NUMBER	USED IN KIT NUMBERS	
379423-86	328170-83X	7170-49X	379424-43	328170-122X	328170-137X
379423-90	7170-46X			328170-125X	328170-138X
379423-94	7170-48X		379424-46	328170-122X	328170-137X
379423-96	328794-44X		379433-10	328170-178X	328170-68X
379423-135	328170-83X			328170-70X	328170-85X
379423-140	328170-32X		379433-12	328794-27X	328794-53X
379424-21	328170-113X	328170-8X			
	328170-125X	328170-126X	379433-13	328794-6X	
	328170-179X	328170-184X			
	328170-195X		379433-14	328794-23X	328794-16X
379424-22	328170-157X	328170-158X		328794-34X	328794-4X
	328170-159X	328170-195X		328794-5X	
	328170-192X		379433-18	328794-27X	328794-53X
379424-24	328170-130X	328170-132X	379433-4	328170-166X	
	328170-15X	328170-17X	379433-5	328170-74X	328170-166X
379424-26	328170-117X	328170-130X	379433-6	7170-74X	7170-127X
	328170-131X	7170-116X	379433-9	328170-81X	328170-84X
379424-29	328170-118X	328170-131X		328170-86X	328170-88X
	328170-14X	328170-133X	379457-13	328170-101X	328170-79X
379424-32	328170-132X	328170-16X		328170-203X	
379424-34	328170-119X	328170-7X	379457-14	328170-156X	
	328170-134X	328170-133X			
379424-36	328170-120X	328170-134X			
	328170-135X	328170-18X			
379424-40	328170-12X	328170-135X			
	328170-136X				
379424-42	328170-121X	328170-124X			
	328170-136X	328170-137X			
	328170-13X				

Parker Hannifin Corporation – Chelsea Division

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2. Price Adjustments; Payments. Prices stated on Seller's quote or other documentation offered by Seller are valid for 30 days, and do not include any sales, use, or other taxes unless specifically stated. Unless otherwise specified by Seller, all prices are F.C.A. Seller's facility (INCOTERMS 2010). Payment is subject to credit approval and is due 30 days from the date of invoice or such other term as required by Seller's Credit Department, after which Buyer shall pay interest on any unpaid invoices at the rate of 1.5% per month or the maximum allowable rate under applicable law.

3. Delivery Dates; Title and Risk; Shipment. All delivery dates are approximate and Seller shall not be responsible for any damages resulting from any delay. Regardless of the manner of shipment, title to any products and risk of loss or damage shall pass to Buyer upon placement of the products with the shipment carrier at Seller's facility. Unless otherwise stated, Seller may exercise its judgment in choosing the carrier and means of delivery. No deferment of shipment at Buyer's request beyond the respective dates indicated will be made except on terms that will indemnify, defend and hold Seller harmless against all loss and additional expense. Buyer shall be responsible for any additional shipping charges incurred by Seller due to Buyer's acts or omissions.

4. Warranty. Seller warrants that all products sold, other than the 590 Series, conform to the applicable Parker Chelsea standard specification for the lesser period of 2 years (24 Months) from date of service or 2-1/2 years (30 Months) from date of build (as marked on the product name plate). Seller warrants that the 590 Series will conform to the applicable Seller standard specification for the lesser period of 2 years (24 Months) from date of service or 2000 hours of usage. The prices charged for Seller's products are based upon the exclusive limited warranty stated above, and upon the following disclaimer: **DISCLAIMER OF WARRANTY: THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO PRODUCTS PROVIDED HEREUNDER. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING DESIGN, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

5. Claims; Commencement of Actions. Buyer shall promptly inspect all Products upon delivery. No claims for shortages will be allowed unless reported to the Seller within 10 days of delivery. No other claims against Seller will be allowed unless asserted in writing within 30 days after delivery. Buyer shall notify Seller of any alleged breach of warranty within 30 days after the date the defect is or should have been discovered by Buyer. Any action based upon breach of this agreement or upon any other claim arising out of this sale (other than an action by Seller for an amount due on any invoice) must be commenced within 12 months from the date of the breach without regard to the date breach is discovered.

6. LIMITATION OF LIABILITY. UPON NOTIFICATION, SELLER WILL, AT ITS OPTION, REPAIR OR REPLACE A DEFECTIVE PRODUCT, OR REFUND THE PURCHASE PRICE. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR AS THE RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS OR ANY PART THEREOF, OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE INCURRED WITHOUT SELLER'S WRITTEN CONSENT, EVEN IF SELLER HAS BEEN NEGLIGENT, WHETHER IN CONTRACT, TORT OR OTHER LEGAL THEORY. IN NO EVENT SHALL SELLER'S LIABILITY UNDER ANY CLAIM MADE BY BUYER EXCEED THE PURCHASE PRICE OF THE PRODUCTS.

7. User Responsibility. The user, through its own analysis and testing, is solely responsible for making the final selection of the system and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.

8. Loss to 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, will be considered obsolete and may be destroyed by Seller after two consecutive years have elapsed without Buyer ordering the items 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. Special Tooling. A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. 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 Products, 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.

10. Buyer's Obligation; Rights of Seller. To secure payment of all sums due or otherwise, Seller shall retain a security interest in the goods delivered and this agreement shall be deemed 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 its security interest.

11. Improper use and Indemnity. Buyer shall indemnify, defend, and hold Seller harmless from any claim, liability, damages, lawsuits, and costs (including attorney fees), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, improper application or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Product; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

12. Cancellations and Changes. Orders shall not be subject to cancellation or change by Buyer 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. Seller may change product features, specifications, designs and availability with notice to Buyer.

13. Limitation on Assignment. Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.

14. Force Majeure. Seller does not assume the risk 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, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.

15. Waiver and Severability. Failure to enforce any provision of this agreement will not waive that provision nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.

16. Termination. Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days written notice of termination. Seller may immediately terminate this agreement, in writing, if Buyer: (a) commits a breach of any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or by a third party (d) makes an assignment for the benefit of creditors, or (e) dissolves or liquidates all or a majority of its assets.

17. Governing Law. This agreement and the sale and delivery of all Products hereunder shall be 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 this agreement.

18. 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 Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("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 a Product sold pursuant to this Agreement 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 a Product 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 the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product 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 Products 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 Product sold hereunder. The foregoing provisions of this Section shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

19. Entire Agreement. This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged.

20. Compliance with Law, U. K. Bribery Act and U.S. Foreign Corrupt Practices Act. Buyer agrees to comply with all applicable laws and regulations, including both those of the United Kingdom and the United States of America, and of the country or countries of the Territory in which Buyer may operate, including without limitation the U. K. Bribery Act, the U.S. Foreign Corrupt Practices Act ("FCPA") and the U.S. Anti-Kickback Act (the "Anti-Kickback Act"), and agrees to indemnify and hold harmless Seller from the consequences of any violation of such provisions by Buyer, its employees or agents. Buyer acknowledges that they are familiar with the provisions of the U. K. Bribery Act, the FCPA and the Anti-Kickback Act, and certifies that Buyer will adhere to the requirements thereof. In particular, Buyer represents and agrees that Buyer shall not make any payment or give anything of value, directly or indirectly to any governmental official, any foreign political party or official thereof, any candidate for foreign political office, or any commercial entity or person, for the purpose of influencing such person to purchase products or otherwise benefit the business of Seller.

07/14



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