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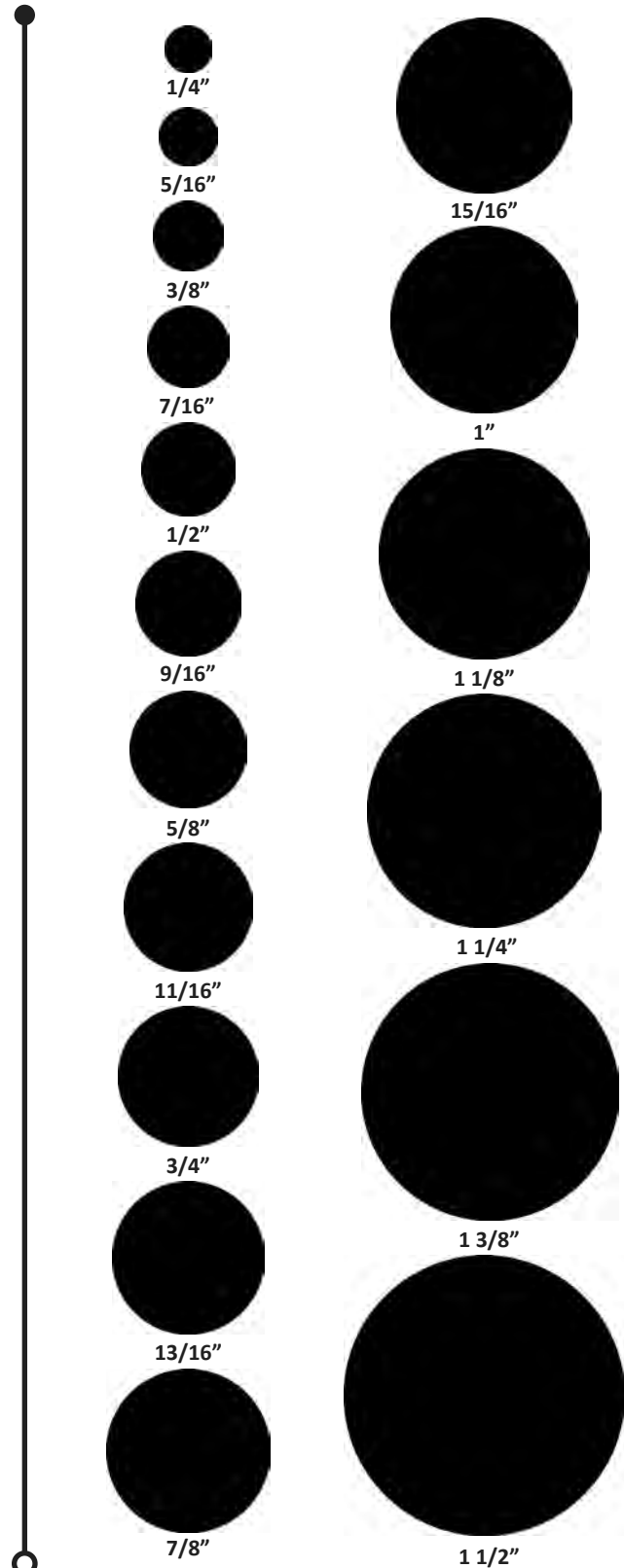
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DECIMAL & METRIC SIZE CONVERSION CHARTS



FRACTIONS (INCH)	DECIMAL (INCH)	METRIC (MM)
1/64	.016	0.40
1/32	.031	0.79
3/64	.047	1.19
1/16	.063	1.59
5/64	.078	1.98
3/32	.094	2.38
7/64	.109	2.78
1/8	.125	3.18
5/32	.156	3.97
3/16	.188	4.46
7/32	.219	5.56
1/4	.250	6.35
9/32	.281	7.14
5/16	.313	7.94
11/32	.344	8.73
3/8	.375	9.53
13/32	.406	10.32
7/16	.438	11.11
15/16	.469	11.91
1/2	.500	12.70
17/32	.531	13.49
9/16	.563	14.29
19/32	.594	15.08
5/8	.625	15.88
21/32	.656	16.67
11/16	.688	17.46
23/32	.719	18.26
3/4	.750	19.05
25/32	.781	19.84
13/16	.813	20.64
27/32	.844	21.43
7/8	.875	22.23
29/32	.906	23.02
15/16	.938	23.81
31/32	.969	24.61
1	1.000	25.40

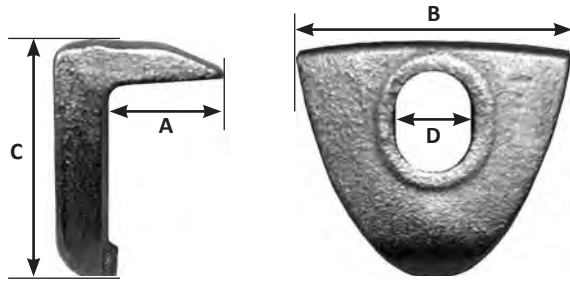


CONVERSION FACTORS

1 INCH = 25.4MM

CONVERT FROM	TO	FACTOR
INCHES (IN)	MILLIMETERS (MM)	MULTIPLY INCHES BY 25.4
MILLIMETERS (MM)	INCHES (IN)	DIVIDE MILLIMETERS BY 25.4

USE THESE DIMENSIONS FOR MEASURING CLAMPS.



DAYTON® "F" STYLE WHEEL CLAMPS FOR 3/4" WHEEL STUDS



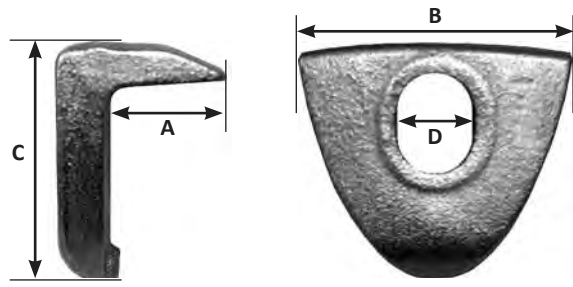
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5000	EUCLID® E-5571A Nwra® W-96	1 1/8"	2 7/8"	2 1/2"	3/4"
WA15-5006	EUCLID® E-5784 Nwra® W-103	1 1/4"	2 7/8"	2 1/2"	3/4"
WA15-5001	EUCLID® E-5040A Nwra® W-98	1 1/2"	2 7/8"	2 1/2"	3/4"
WA15-5002	EUCLID® E-5572A Nwra® W-97	1 3/4"	2 7/8"	2 1/2"	3/4"
WA15-5005	Nwra® W-101	1 7/8"	2 7/8"	2 1/2"	3/4"
WA15-5007	EUCLID® E-5785A Nwra® W-104	2"	2 7/8"	2 1/2"	3/4"
WA15-5008	Nwra® W-99	2 1/8"	2 7/8"	2 1/2"	3/4"

DAYTON® "F" STYLE WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5004	EUCLID® E-5570 Nwra® W-90	1"	2 7/8"	2 1/2"	5/8"
WA15-5025	EUCLID® E-5045 Nwra® W-93	1 3/8"	2 7/8"	2 1/2"	5/8"
WA15-5089	EUCLID® Nwra® W-91	1 5/8"	2 7/8"	2 1/2"	5/8"

USE THESE DIMENSIONS FOR MEASURING CLAMPS.



DAYTON® FOR CAST AND ALUMINUM WHEELS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5029	EUCLID® E-5047	1"	2 1/2"	2 1/2"	5/8"
WA15-5088	EUCLID® E-5047 NWR A® W-94	1"	3"	2 1/2"	5/8"

DAYTON® FOR CAST AND ALUMINUM WHEELS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5026	EUCLID® E-5046 NWR A® W-100	1"	3"	2 1/2"	3/4"

DAYTON® FRONT WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5054	EUCLID® E-5841 NWR A® W-85	1/2"	2"	2"	3/4"

DAYTON® FRONT WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5090	EUCLID® E-5838 NWR A® W-87	3/16"	2 5/8"	2 5/8"	3/4"

DAYTON® FRONT WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5080	EUCLID® E-5927 NWR A® W-84	1/2"	2"	2"	5/8"

DAYTON® FRONT WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5084	EUCLID® E-5746 NWRA® W-86	1/4"	3 1/8"	2 5/8"	5/8"

DAYTON® FRONT WHEEL CLAMPS FOR 13/16" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5086	EUCLID® E-6053 MACK® 15QJ251	15/16"	2 1/2"	2 5/8"	13/16"

DAYTON® REAR WHEEL CLAMPS FOR DUAL WHEELS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5061	EUCLID® E-5827 MACK® 15QJ16	1 1/8"	6"	2 7/16"	3/4"
WA15-5096	EUCLID® E-5883 MACK® 15QJ16P3	1 5/16"	6"	2 1/2"	3/4"
WA15-5009	EUCLID® E-5828 MACK® 15QJ17P1 NWRA® W-113	1 13/16"	6"	2 7/16"	3/4"



DAYTON® REAR WHEEL CLAMPS FOR DUAL WHEELS FOR 5/8" WHEEL STUDS



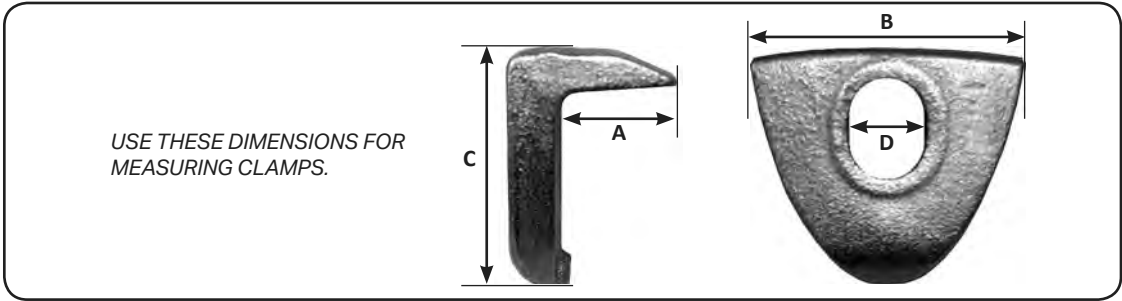
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5052	EUCLID® E-5043 MACK® 15QJ149P1	1 3/4"	6"	2 1/2"	5/8"

DAYTON® THREE SPOKE WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5060	EUCLID® E-5744 NWRA® W-77	1"	10 3/16"	3 1/4"	3/4"
WA15-5097	EUCLID® E-5745	1"	9 7/16"	3"	3/4"





DAYTON® SINGLE WHEEL MOUNT TO REPLACE DUAL WHEELS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5085	EUCLID® E-5976 WEBB® 3350	5 3/4"	4 3/4"	2 1/16"	3/4"

ERIE® WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5053	ERIE® W-55K EUCLID® E-5573	1 1/8"	3 1/2"	2 3/8"	3/4"
WA15-5062	ERIE® H EUCLID® E-5760	1 1/8"	3 1/2"	2 1/4"	3/4"

GOODYEAR® REAR WHEEL CLAMPS FOR 1/2" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5017	GOODYEAR® GY-562	1 1/16"	2 1/8"	1 13/16"	9/16"

GOODYEAR® REAR WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5016	EUCLID® E-5885 GOODYEAR® CL-1008	1 3/16"	2 1/2"	2 7/16"	3/4"

GOODYEAR® WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5018	GOODYEAR® CL-1022	1 3/8"	2 1/2"	3 13/32"	3/4"

GUNITE® WHEEL CLAMPS FOR 9/16" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5099	EUCLID® E-5034 GUNITE® WP-142 NWRA® W-189	1"	2"	2"	9/16"

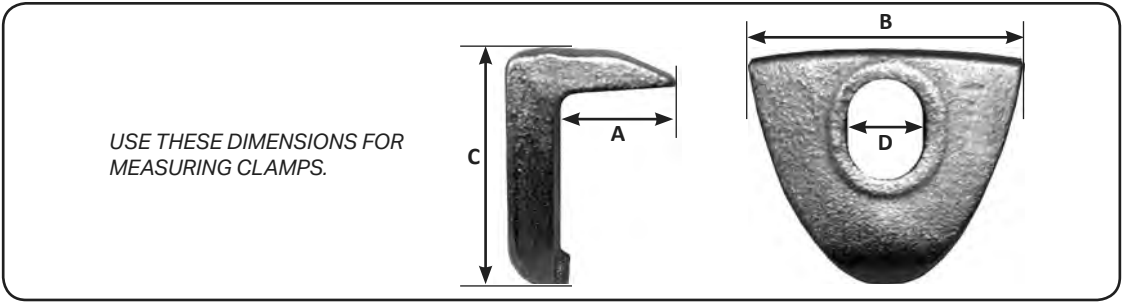
GUNITE® WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5075 HEEL TYPE	EUCLID® E-5033 GUNITE® WP-193 NWRA® C-181	1 1/8"	2 7/8"	2 3/8"	5/8"
WA15-5004 HEEL TYPE	EUCLID® E-5031 GUNITE® WP-9 NWRA® W-182	1 3/8"	3 1/2"	2 3/8"	5/8"
WA15-5074 HEEL LESS	EUCLID® E-5041 GUNITE® WP-166 NWRA® W-185	1 1/2"	2 7/8"	2 3/8"	5/8"
WA15-5057	EUCLID® E-5754 GUNITE® WP-259 GUNITE® WP-455 NWRA® W-230	5/8"	2"	2 1/4"	5/8"

WORLD AMERICAN *WHERE QUALITY MEETS VALUE*

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GUNITE® WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5014	EUCLID® E-5904A GUNITE® W-1138 CAST GUNITE® W-846 FORGED NWRA® W-242 CAST NWRA® W-255 FORGED	1 3/8"	2 7/8"	2 3/8"	3/4"
WA15-5067	EUCLID® E-5904A GUNITE® W-1110 CAST GUNITE® W-858 FORGED NWRA® W-256 CAST NWRA® W-241 FORGED	1 3/16"	2 7/8"	2 3/8"	3/4"
WA15-5068	EUCLID® E-5906 GUNITE® W-866 NWRA® W-239	1 3/4"	2 5/16"	2 5/16"	3/4"
WA15-5028 HEEL TYPE	EUCLID® E-5778 GUNITE® WP-383 NWRA® W-194	1 1/4"	2 5/8"	2 3/8"	3/4"
WA15-5072	EUCLID® E-5974 GUNITE® WP-682 NWRA® W-118	1 7/16"	2 1/2"	2 3/8"	3/4"
WA15-5063	EUCLID® E-5782 GUNITE® WP-384 NWRA® W-195	1 5/8"	2 5/8"	2 3/8"	3/4"
WA15-5058	EUCLID® E-5747 GUNITE® WP-267 NWRA® W-227	1"	2 3/8"	1 3/4"	3/4"
WA15-5027 HEEL LESS	EUCLID® E-5755 GUNITE® WP-368 NWRA® W-228	1 5/16"	2 1/4"	1 13/16"	3/4"
WA15-5059	EUCLID® E-5753 GUNITE® WP-344 NWRA® W-191	1 1/2"	2 3/8"	1 3/4"	3/4"
WA15-5011 HEEL LESS	EUCLID® E-5837 GUNITE® WP-398 NWRA® W-240	1 3/4"	2 3/8"	1 3/4"	3/4"

GUNITE® FRONT WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5076	EUCLID® E-5902 GUNITE® WP-722 NWRA® W-243	1/2"	2 1/2"	3 3/8"	3/4"
WA15-5077	EUCLID® E-9023 GUNITE® WP-725 NWRA® W-244	5/8"	2 1/2"	3 3/8"	3/4"
WA15-5066	EUCLID® E-5889 GUNITE® WP-515 NWRA® C-232	1/2"	2"	2 1/4"	3/4"
WA15-5064	EUCLID® E-5890 GUNITE® WP-544 NWRA® C-233	1/2"	2"	2 1/4"	3/4"

GUNITE® FRONT WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5081	EUCLID® E-5036 GUNITE® WP-80 NWRA® C-181	5/8"	2 1/16"	2 1/2"	5/8"

MACK® FRONT WHEEL CLAMPS FOR 3/4" WHEEL STUDS

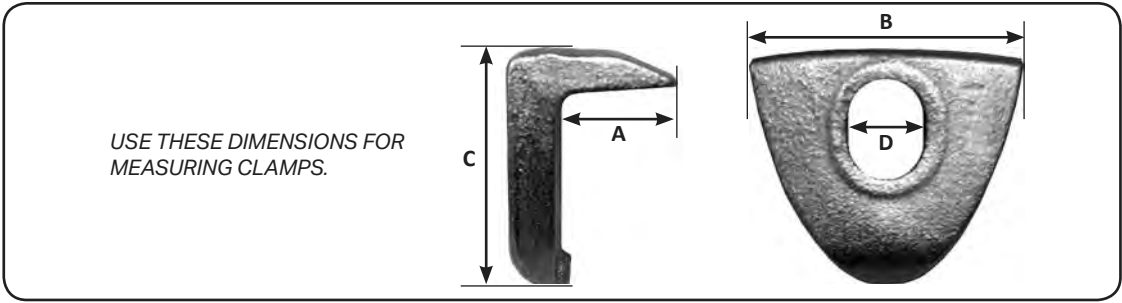


WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5086	EUCLID® E-6053 MACK® 13-5016 MACK® 15QJ251 NWRA® W-263	15/16"	2 1/2"	2 5/8"	13/16"

WHERE QUALITY MEETS VALUE




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USE THESE DIMENSIONS FOR MEASURING CLAMPS.

MACK® REAR WHEEL CLAMPS FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-5100	EUCLID® E-5882 MACK® 15QJ223BP1 MACK® 15QJ223CP1	7/8"	2 1/2"	2 1/2"	3/4"
WA07-6224	EUCLID® E-5823 MACK® 15QJ223BP4 MACK® 15QJ223CP4	1"	2 1/2"	2 1/2"	3/4"
WA15-5069	EUCLID® E-5822 MACK® 15QJ223BP5 MACK® 15QJ223CP5	1 3/8"	2 1/2"	2 1/2"	3/4"
WA15-5070	EUCLID® E-5820 MACK® 15QJ223BP2 MACK® 15QJ223CP2	1 5/8"	2 1/2"	2 1/2"	3/4"
WA15-5079	EUCLID® E-5055 MACK® 15QJ223AP	1 3/4"	2 5/8"	2 1/2"	3/4"
WA15-5013	EUCLID® E-5781 MACK® 15QJ223BP8 MACK® 15QJ223CP8	1 7/8"	2 1/2"	2 1/2"	3/4"
WA15-5015	EUCLID® E-5821 MACK® 15QJ223BP3 MACK® 15QJ223CP8	2"	2 1/2"	2 1/2"	3/4"
WA15-5010	EUCLID® E-5783 MACK® 15QJ223BP6 MACK® 15QJ223CP6	2 3/8"	2 1/2"	2 1/2"	3/4"

NAVISTAR® (IHC) FRONT WHEEL CLAMPS FOR 1/2" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5100	EUCLID® NAVISTAR® 27194-H NWRA® C-160	3/4"	1 3/4"	1 9/16"	1/2"

NAVISTAR® (IHC) FRONT WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5083	EUCLID® E-5030 NAVISTAR® 19488-HB NWRA® C-162	1 1/8"	3 1/2"	2 3/4"	5/8"

NAVISTAR® (IHC) REAR WHEEL CLAMPS FOR 5/8" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5078	EUCLID® E-5035 NAVISTAR® 66091R1 NWRA® W-164	1 3/8"	2 1/2"	2 3/8"	5/8"

NAVISTAR® (IHC) REAR WHEEL CLAMPS FOR 3/4" WHEEL STUDS

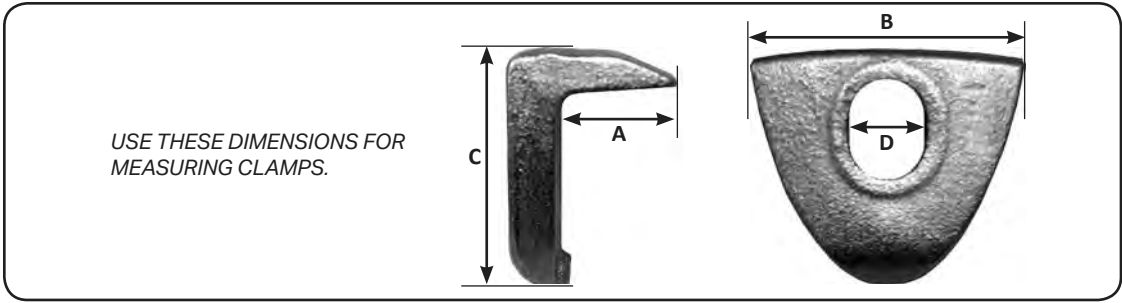


WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5071	EUCLID® NAVISTAR® 189898R1	1 7/16"	3"	2 7/16"	3/4"
WA15-5027	EUCLID® E-5755 GUNITE® WP-368 NAVISTAR® 868368R1 NWRA® W-228	1 5/16"	2 1/4"	1 13/16"	3/4"

WEBB® THREE SPOKE WHEEL CLAMP (SINGLE WHEEL DUPLEX RIM) FOR 3/4" WHEEL STUDS



WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5085	EUCLID® E-5976 WEBB® 3350	5 3/4"	4 3/4"	2 1/16"	3/4"

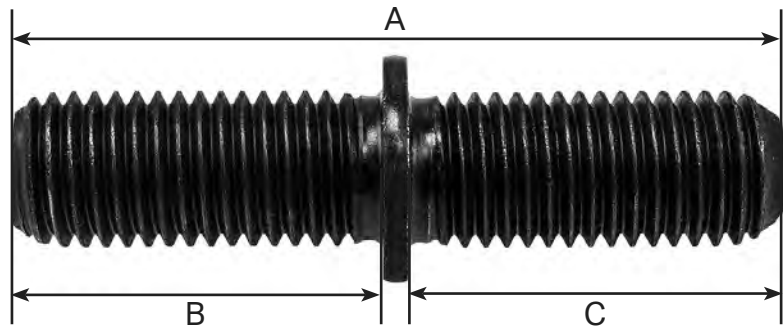


USE THESE DIMENSIONS FOR MEASURING CLAMPS.

WEBB® THREE SPOKE WHEEL CLAMPS FOR 3/4" WHEEL STUDS

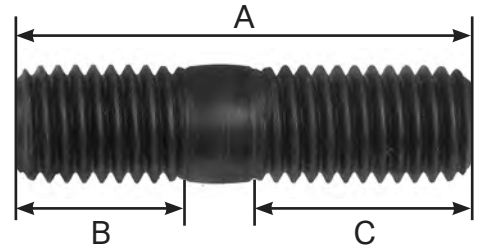


WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA15-5055	EUCLID® E-5824 NWR A® W-72 WEBB® 3320	1 1/16"	10 5/8"	2 1/2"	3/4"
WA15-5056	EUCLID® E-5825 NWR A® W-74 WEBB® 3322	1 1/16"	12 1/4"	2 1/8"	3/4"
WA15-5065	EUCLID® E-5953 NWR A® W-68 WEBB® 3314	1 1/4"	7 3/4"	1 5/8"	3/4"



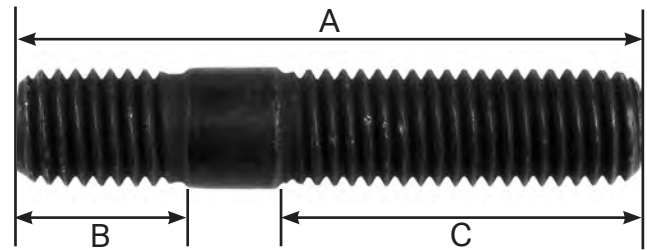
WEBB® CAST SPOKE WHEEL CLAMP ALUMINUM WHEEL STUD

WORLD AMERICAN PART #	REPLACES	DIA./ THREAD	A	B	C
WA07-7201	ALCOA® B5795 EUCLID® E-5010 GUNITE® WP-395	3/4"-10	3 21/32"	1 3/4"	1 3/4"



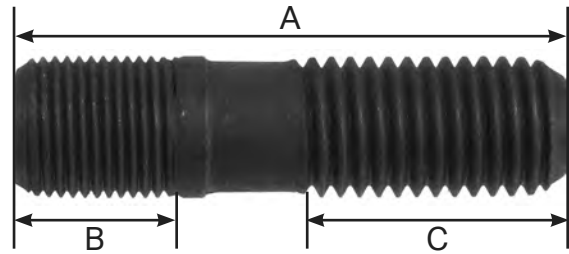
DAYTON® WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	DIA./ THREAD	A	B	C	USE WA NUT
WA07-6049	EUCLID® E-4955	5/8"-11	2 3/8"	7/8"	1 3/8"	WA07-5152
WA07-5150	EUCLID® E-4958	5/8"-11	2 3/4"	1"	1 1/2"	WA07-5152
WA07-5004	EUCLID® E-4956A	3/4"-10	2 13/16"	1 1/16"	1 11/16"	WA07-5018
WA07-5005	EUCLID® E-5706	3/4"-10	3 1/8"	1"	1 7/8"	WA07-5018
WA07-5151	EUCLID® E-4957	3/4"-10	3 9/16"	1 5/8"	1 5/8"	WA07-5018



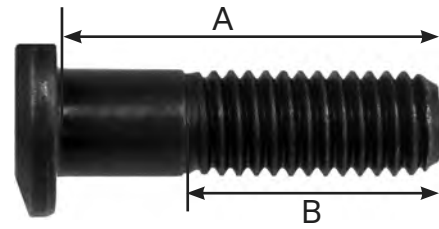
GOODYEAR® WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	DIA./ THREAD	A	B	C	USE WA NUT
WA07-6225	EUCLID® E-5726 GOODYEAR® ST-178	5/8"-11	3 1/4"	7/8"	1 7/8"	WA07-5152
WA07-6226	EUCLID® E-5728 GOODYEAR® ST-770	3/4"-10	3 5/8"	1 1/16"	2 3/8"	WA07-5018
WA07-6227	EUCLID® E-5729 GOODYEAR® ST-570	3/4"-10	4"	1 1/16"	2 3/4"	WA07-5018



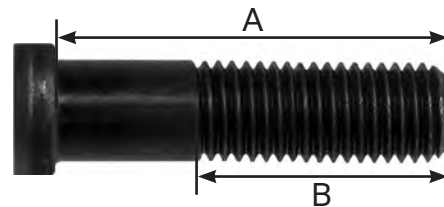
MACK® WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	DIA./THREAD	A	B	C
WA07-6051	EUCLID® E-4987A MACK® 18-AX-405	3/4"-10 3/4"-16"	2 7/8"	7/8"	1 3/8"
WA07-6178	EUCLID® E-5731 MACK® 18-AX-970	5/8"-18	3"	1 3/16"	13/16"
WA07-6181	EUCLID® E-5751 MACK® 18-AX-971	5/8"-18	3 1/2"	1 7/16"	13/16"



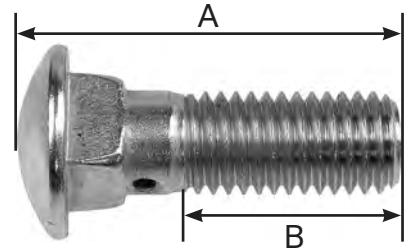
ERIE® WHEEL BOLTS

WORLD AMERICAN PART #	REPLACES	DIA./THREAD	A	B	USE WA NUT
WA07-5357	EUCLID® E-5095 ERIE® 4989	5/8"-11	2"	1 5/16"	WA07-6118
WA07-6052	EUCLID® E-5761 ERIE® 5247	3/4"-10	2 1/4"	1 3/8"	WA07-5153



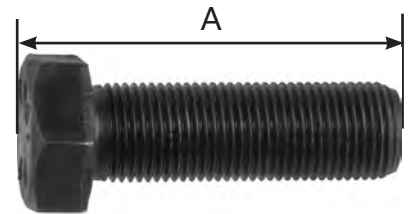
GUNITE® WHEEL BOLTS

WORLD AMERICAN PART #	REPLACES	DIA./THREAD	A	B	USE WA NUT
WA07-7313	EUCLID® E-4990 GUNITE® WP-1	5/8"-11	2 1/16"	1 3/16"	WA07-5152
WA07-7166	EUCLID® E-5005 GUNITE® WP-271	3/4"-10	2 1/8"	1 3/16"	WA07-5018
WA07-7293	EUCLID® E-5654 GUNITE® WP-165	9/16"-12	2 1/8"	11/16"	



NAVISTAR® WHEEL BOLTS

WORLD AMERICAN PART #	REPLACES	DIA./THREAD	A	B	USE WA NUT
WA07-6200	EUCLID® E-5712 IHC® 68333H	5/8"-11	2"	1 3/16"	WA07-5152
WA07-7448	EUCLID® IHC® 17052R1, 172746RI	5/8"-18	2"	1"	WA07-6199
WA07-7292	EUCLID® E-5012 IHC® 75887H	5/8"-11	2"	1 1/8"	WA07-5152

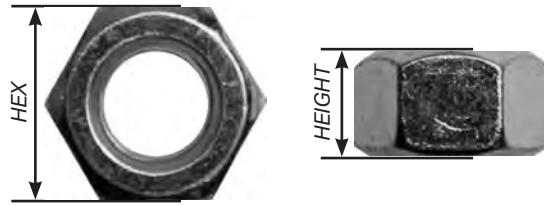


STANDARD DRUM BOLTS

WORLD AMERICAN PART #	REPLACES	DIA./THREAD	A	USE WA NUT
WA07-6006	EUCLID® E-5966 GUNITE® WP-185	5/8"-18	2"	WA07-6010
WA07-6008	EUCLID® E-5968 GUNITE® W-845	3/4"-16	2"	WA07-5040



USE THIS DIMENSION FOR MEASURING HEX & HEIGHT.



DAYTON® STYLE - CHAMFERED SPOKE WHEEL NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX
WA07-5152	EUCLID® E-4962 GUNITE® WP-2 WEBB® 74611	5/8"-11	1 1/16"
WA07-5018	EUCLID® E-4963 GUNITE® 74710 WEBB® 74710	3/4"-10	1 1/4"

ERIE® STYLE - BALL FACE SPOKE WHEEL NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX
WA07-6202	EUCLID® E-5006	1/2"-13	7/8"
WA07-6118	EUCLID® E-4986A ERIE® 538-U	5/8"-11	1 1/16"
WA07-5153	EUCLID® E-5762 ERIE® 5248-U	3/4"-10	1 1/4"

LOCK NUTS FOR BRAKE DRUM BOLTS



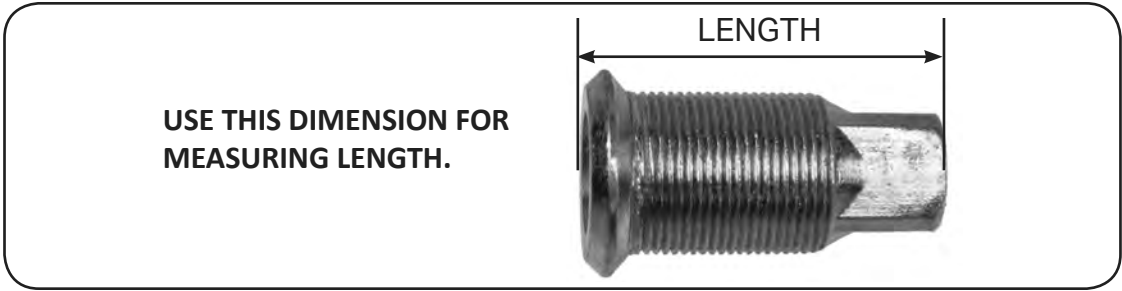
WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT
WA07-7152	EUCLID® E-2988	5/8"-11	15/16"	35/64"
WA07-6010	EUCLID® E-1943	5/8"-18	15/16"	3/4"
WA07-6012	EUCLID® E-4347	3/4"-10	1 1/8"	3/4"
WA07-5040	EUCLID® E-5298	3/4"-16	1 1/8"	21/32"

LIGHT TRUCK CAP NUTS: 60°, 90° CONICAL TAPER



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	TAPER TYPE
WA07-6321	EUCLID® E-5580R OEM® K-15085	RH 7/16"-20	3/4"	9/16"	CONICAL 60°
WA07-7186	EUCLID® E-5666L OEM® K-21245	LH 7/16"-20	3/4"	9/16"	CONICAL 60°
WA07-7230	EUCLID® E-5581R OEM® B-40417	RH 1/2"-20	3/4"	9/16"	CONICAL 60°
WA07-6322	EUCLID® E-5581L OEM® B-40418	LH 1/2"-20	3/4"	9/16"	CONICAL 60°
WA07-7226	EUCLID® E-5586R OEM® B-39388	RH 1/2"-20	13/16"	5/8"	CONICAL 60°
WA07-7227	EUCLID® E-5586L OEM® B-39389	LH 1/2"-20	13/16"	5/8"	CONICAL 60°
WA07-7277	EUCLID® E-4976R OEM® B-41233	RH 9/16"-18	1"	11/16"	CONICAL 90°
WA07-7278	EUCLID® E-4976L OEM® B-41234	LH 9/16"-18	1"	11/16"	CONICAL 90°
WA07-7264	EUCLID® E-4975R OEM® B-67147	RH 5/8"-18	1"	21/32"	CONICAL 90°
WA07-7269	EUCLID® E-4975L OEM® B-67148	LH 5/8"-18	1"	21/32"	CONICAL 90°
WA07-7268	EUCLID® OEM® B-47147	RH 5/8"-18	1 1/16"	21/32"	CONICAL 90°
WA07-6135	EUCLID® E-5586L OEM® B-47148	LH 5/8"-18	1 1/16"	21/32"	CONICAL 90°





V-BELT DRIVE INNER CAP NUTS - ALUMINUM WHEELS



WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-7177 Right Hand	ALCOA® 5567R EUCLID® E-5567R NWR A® X-2023	RH 1 1/8"-16	3/4"-16	3 1/4"	13/16"	5
WA07-7178 Left Hand	ALCOA® 5567L EUCLID® E-5567L NWR A® X-2024	LH 1 1/8"-16	3/4"-16	3 1/4"	13/16"	5

STANDARD INNER CAP NUT FOR STEEL WHEELS



WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-5024 Right Hand	BUDD® 10708 EUCLID® E-5549R NWR A® X-1828	RH 1 1/8"-16	3/4"-16	2 1/8"	13/16"	8
WA07-5025 Left Hand	BUDD® 10709 EUCLID® E-5549L NWR A® X-1829	LH 1 1/8"-16	3/4"-16	2 1/8"	13/16"	8
WA07-5024 Right Hand	BUDD® 3203403 EUCLID® E-7895R	RH 1 1/8"-16	3/4"-16	2 1/8"	13/16"	8
WA07-5025 Left Hand	BUDD® 3203404 EUCLID® E-7895L	LH 1 1/8"-16	3/4"-16	2 1/8"	13/16"	8

METRIC INNER DISC WHEEL NUTS



WORLD AMERICAN PART #	REPLACES	OUTER	INNER	LENGTH
WA07-5154 Right Hand	EUCLID® E-10253R GMC® 94039630 HINO® 9004-23101 IZUZU® 1-42335-005-0R	M30x1.5	M20x1.5	62mm
WA07-5155 Left Hand	EUCLID® E-10253L GMC® 94039631 HINO® 9004-24101 IZUZU® 1-42335-005-0L	M30x1.5	M20x1.5	62mm

EXTRA LENGTH INNER CAP NUTS FOR STEEL WHEELS



WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-5026 Right Hand	BUDD® 35336 EUCLID® E-7896R NWRA® X-1835	RH 1 1/8"-16	3/4"-16	2 9/16"	13/16"	8
WA07-5027 Left Hand	BUDD® 35337 EUCLID® E-7896L NWRA® X-1836	LH 1 1/8"-16	3/4"-16	2 9/16"	13/16"	8
WA07-5028 Right Hand	BUDD® 22621 EUCLID® E-7897R NWRA® X-1407	RH 1 1/8"-16	3/4"-16	3 1/16"	13/16"	8
WA07-5029 Left Hand	BUDD® 22622 EUCLID® E-7897L NWRA® X-1408	LH 1 1/8"-16	3/4"-16	3 1/16"	13/16"	8

HEAVY DUTY OFF HIGHWAY INNER NUTS



WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-6126 Right Hand	BUDD® 49414 EUCLID® E-7898R NWRA® X-1411	RH 1 5/16"-12	15/16"-12	3"	15/16"	8
WA07-6127 Left Hand	BUDD® 49415 EUCLID® E-7898L NWRA® X-1412	LH 1 5/16"-12	15/16"-12	3"	15/16"	8

EXTRA LENGTH INNER CAP NUTS FOR ALUMINUM WHEELS



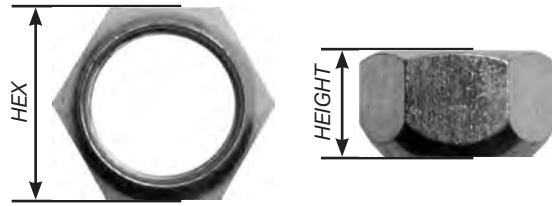
WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-5032 Right Hand	ALCOA® 5988R EUCLID® E-5988R NWRA® X-1873	RH 1 1/8" -16	3/4" -16	2 15/16"	13/16"	8
WA07-5033 Left Hand	ALCOA® 5988L EUCLID® E-5988L NWRA® X-1874	LH 1 1/8" -16	3/4" -16	3 15/16"	13/16"	8

STANDARD INNER CAP NUTS FOR ALUMINUM WHEELS



WORLD AMERICAN PART #	REPLACES	OUTER THREAD	INNER THREAD	LENGTH	SQUARE HEAD	GRADE
WA07-5030 Right Hand	BUDD® 70611 EUCLID® E-5548R NWRA® X-1801	RH 1 1/8" -16	3/4" -16	2 5/8"	13/16"	8
WA07-5031 Left Hand	BUDD® 70612 EUCLID® E-5548L NWRA® X-1802	LH 1 1/8" -16	3/4" -16	2 5/8"	13/16"	8

USE THIS DIMENSION FOR MEASURING HEX & HEIGHT.



DISC WHEEL OUTER AND FRONT NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	APPLICATION	GRADE
WA07-5022 Right Hand	BUDD® 37891 EUCLID® E-5552R	RH 1 1/8"-16	1 1/2"	7/8"	Standard for Steel & Aluminum Dual & Single Wheels w/ 1 1/8" Dia Studs	5
WA07-5023 Left Hand	BUDD® 37892 EUCLID® E-5552L	LH 1 1/8"-16	1 1/2"	7/8"	Standard for Steel & Aluminum Dual & Single Wheels w/ 1 1/8" Dia Studs	5
WA07-5022 Right Hand	ALCOA® 5977R EUCLID® E-5977R	RH 1 1/8"-16	1 1/2"	7/8"	Standard for Steel & Aluminum Dual & Single Wheels w/ 1 1/8" Dia Studs	8
WA07-5023 Left Hand	ALCOA® 5977L EUCLID® E-5977L	LH 1 1/8"-16	1 1/2"	7/8"	Standard for Steel & Aluminum Dual & Single Wheels w/ 1 1/8" Dia Studs	8

METRIC OUTER DISC WHEEL NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	APPLICATION
WA07-5156 Right Hand	EUCLID® E-10254R HINO® 9004-2111R IZUZU® 1-42333-023-0R NAVISTAR® 433241Z5025R	M30X1.5	M20X1.5	62 mm	USE WITH WA07-5154
WA07-5157 Left Hand	EUCLID® E-10254L HINO® 9004-22104L IZUZU® 1-42333-023-0L NAVISTAR® 433241Z5025L	M30X1.5	M20X1.5	62 mm	USE WITH WA07-5155

OUTER CAP NUTS - WIDE BASE FOR ALUMINUM WHEELS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	APPLICATION
WA07-6016 Right Hand	ALCOA® 5996R EUCLID® E-5996R	RH 1 1/8"-16	1 1/2"	1"	FOR WIDE-BASED ALUMINUM WHEELS. COUNTERBORE ON I.D.
WA07-6017 Left Hand	ALCOA® 5996L EUCLID® E-5996L	LH 1 1/8"-16	1 1/2"	1"	FOR WIDE-BASED ALUMINUM WHEELS. COUNTERBORE ON I.D.
WA07-6014 Right Hand	ALCOA® 5995R EUCLID® E-5995R	RH 3/4"-16	1 1/2"	1 3/8"	FOR WIDE-BASED ALUMINUM WHEELS.
WA07-6015 Left Hand	ALCOA® 5995L EUCLID® E-5995L	LH 3/4"-16	1 1/2"	1 3/8"	FOR WIDE-BASED ALUMINUM WHEELS.

STANDARD OUTER CAP NUTS - SINGLE WHEELS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	APPLICATION
WA07-5020 RIGHT HAND	BUDD® 37888 EUCLID® E-5652R NWR A® X-1803	RH 3/4"-16	1 1/2"	7/8"	STANDARD FOR FRONT & REAR SINGLE MOUNTED WHEELS
WA07-5021 LEFT HAND	BUDD® 37889 EUCLID® E-5652L NWR A® X-1804	LH 3/4"-16	1 1/2"	7/8"	STANDARD FOR FRONT & REAR SINGLE MOUNTED WHEELS

STANDARD FRONT OR SINGLE REAR ALUMINUM WHEEL NUTS



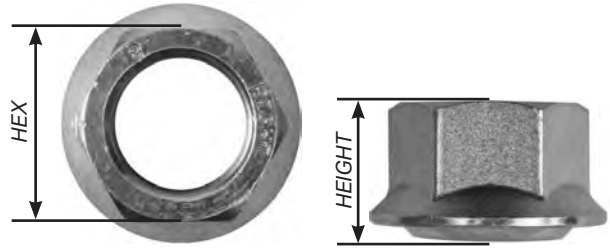
WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	APPLICATION
WA07-6002 Right Hand	BUDD® 70613 EUCLID® E-5554R NWR A® X-1807	RH 3/4"-16	1 1/2"	1"	For Use on Aluminum Wheels
WA07-6003 Left Hand	BUDD® 70614 EUCLID® E-5554L NWR A® X-1808	LH 3/4"-16	1 1/2"	1"	For Use on Aluminum Wheels

HEAVY DUTY OFF-HIGHWAY OUTER CAP NUTS OR SINGLE CAP NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX
WA07-7214 Right Hand	BUDD® 48051 EUCLID® E-5577R NWR A® X-1414	RH 1 3/16" - 12	1 3/4"
WA07-6323 Left Hand	BUDD® 448052 EUCLID® E-5577L NWR A® X-1415	LH 1 3/16" - 12	1 3/4"
WA07-6128 Right Hand	BUDD® 49416 EUCLID® E-5576R NWR A® X-1416	RH 1 5/16"-12	1 3/4"
WA07-6129 Left Hand	BUDD® 49417 EUCLID® E-5576L NWR A® X-1417	LH 1 5/16"-12	1 3/4"
WA07-5159 Right Hand	BUDD® 67011 EUCLID® E-6060R NWR A® X-1362	RH 1 1/8"-16	1 3/4"
WA07-5158 Left Hand	BUDD® 67012 EUCLID® E-6060L NWR A® X-1363	LH 1 1/8"-16	1 3/4"
WA07-7414 Right Hand	BUDD® 76635 EUCLID® E-5863R NWR A® X-1644	RH 15/16" - 12	1 3/4"
WA07-7215 Left Hand	BUDD® 76636 EUCLID® E-5863L NWR A® X-1645	LH 15/16" - 12	1 3/4"

USE THIS DIMENSION FOR MEASURING HEX & HEIGHT.



FLANGED OUTER HEAVY DUTY CAP NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX
WA07-5300 Right Hand	BUDD® 69912 EUCLID® E-5579R NWR A® X-1420	RH 1 1/8"-16	1 1/2"
WA07-5301 Left Hand	BUDD® 69913 EUCLID® E-5579L NWR A® X-1421	LH 1 1/8"-16	1 1/2"

FLANGED OUTER CAP NUTS SINGLE WHEELS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	APPLICATION
WA07-6004 Right Hand	BUDD® 71736 EUCLID® E-5578R	RH 3/4"-16	1 1/2"	HEAVY DUTY VERSION OF WA-2006 FOR SEVERE SERVICE
WA07-6005 Left Hand	BUDD® 71737 EUCLID® E-5578L	LH 3/4"-16	1 1/2"	HEAVY DUTY VERSION OF WA-2007 FOR SEVERE SERVICE

FLANGED NUTS



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-5511 Right Hand	EUCLID® E-5892 GMC® 3988631	9/16"-18 RH	7/8"	1/2"	FOR CHEVROLET® AND GMC® 3/4 AND 1 TON TRUCKS
WA07-5122 Right Hand	EUCLID® E-9022R CHRYSLER® 3637720 BUDD® 95188	5/8"-18 RH	1 1/8"	1 1/16"	FOR DODGE® TRUCKS WITH 1 TON DUALS
WA07-7199 Left Hand	EUCLID® E-9022L CHRYSLER® 3637719 BUDD® 95189	5/8"-18 LH	1 1/8"	1 1/16"	FOR DODGE® TRUCKS WITH 1 TON DUALS
WA07-7217 Right Hand	EUCLID® E-9022R GMC® 3771410 BUDD® 81269	11/16"-16 RH	1 1/8"	1 1/16"	
WA07-6149 Right Hand	EUCLID® E-5704 FORD® C3TZ-1120A	3/4"-16 RH	1 1/8"	1 1/16"	

MOTOR WHEEL® CONE LOCK NUTS WITH FLOATING FLANGE



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-5510	EUCLID® E-5708 MW® 8434	3/4"-16	1 3/16"	1 5/16"	FOR SINGLE NUT APPLICATIONS ONLY
WA07-7216	EUCLID® E-5709 MW® 6605	3/4"-16	1 3/16"	1 5/16"	FOR SINGLE NUT APPLICATIONS ONLY
WA07-6210	EUCLID® E-5710 MW® 7652	7/8"-14	1 1/2"	7/8"	FOR SINGLE NUT APPLICATIONS ONLY
WA07-5057	EUCLID® E-5711 MW® 7669	7/8"-14	1 1/2"	1 5/16"	FOR SINGLE NUT APPLICATIONS ONLY

BUDD® METRIC FLANGE NUT



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-5035	BUDD® 106333 EUCLID® E-6000	M22X1.5	33MM	31MM	BUDD® UNIMOUNT 10 WHEEL STUDS

METFORM® SECUREX™ METRIC FLANGE NUT



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-5037	ALCOA® 39691 ALCOA® 39949 EUCLID® E-9020 FORD® E6HZ1120A METFORM® 39701/627 NAVISTAR® 1649492C1	M22X1.5	33MM	32MM	ALCOA® HUB PILOTED WHEELS

MOTOR WHEEL® METRIC FLANGE NUT



WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-5036	EUCLID® E-5991 MW® 88881	M22X1.5	38MM	34.9MM	MOTOR WHEEL 8 STUD WHEEL

METRIC SLEEVED FLANGE NUTS 22 x 1.5

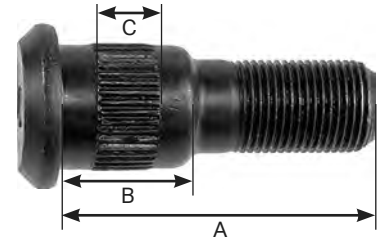


WORLD AMERICAN PART #	INNER THREAD HEX	SLEEVE LENGTH	APPLICATIONS
WA07-8006	M22 x 1.5	6mm	STEER AXLES: STEEL WHEELS. DRIVE/TRAILER AXLES: WIDE SINGLE WHEELS.
WA07-8019	M22 x 1.5	19mm	STEER AXLES: ALUMINUM WHEELS. DRIVE/TRAILER AXLES: WIDE SINGLE ALUMINUM WHEELS. STEEL OUTER W/ ALUMINUM OR STEEL INNER WHEELS.
WA07-8028	M22 x 1.5	28mm	DRIVE/TRAILER AXLES: STEEL OUTER WHEELS W/ ALUMINUM INNER WHEELS. ALUMINUM OUTER WHEELS W/ STEEL INNER WHEELS
WA07-8039	M22 x 1.5	39mm	DRIVE/TRAILER AXLES: ALUMINUM OUTER WHEELS W/ ALUMINUM INNER WHEELS

FLAT WHEEL NUTS

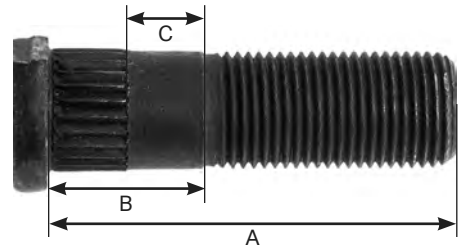


WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT	GENERAL INFORMATION
WA07-6132	CHEVROLET® 3726212 EUCLID® E-5007 KELSEY® K43935	1/2"-20	7/8"	1/2"	
WA07-6124	EUCLID® E-5009 GMC® 3724246	5/8"-18	1 1/16"	39/64"	



BUDD®, MOTOR WHEEL® 9/16"-18

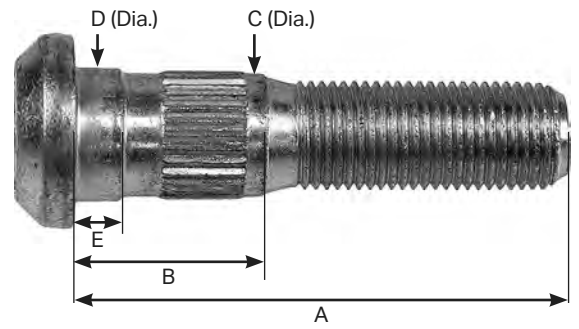
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6151 Right Hand Stud	EUCLID® E-5701 MW® 81109 NWR A® X-1198	1 5/8"	5/8"	5/8"
WA07-6222 Right Hand Stud	EUCLID® MW® 81118 NWR A® X-1196	2 5/16"	13/16"	5/8"
WA07-6122 Right Hand Stud	BUDD® 31439 EUCLID® E-5724	3 1/4"	1 19/64"	19/32"



BUDD®, KELSEY® 5/8" - 18, CLIPPED HEAD STUDS

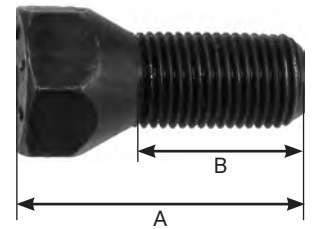
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7328 Right Hand Stud	BUDD® 67458 EUCLID® E-5610R KELSEY® 36733	2 1/8"	13/16"	5/8"
WA07-7332 Left Hand Stud	BUDD® 67459 EUCLID® E-5610L KELSEY® 36734	2 1/8"	13/16"	5/8"





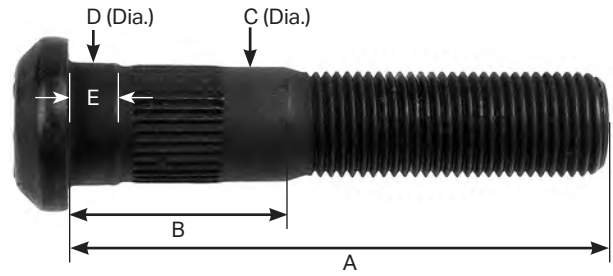
DODGE® 5/8"-18

WORLD AMERICAN PART #	REPLACES	A	B	C	D	E	USE WA NUT
WA07-6031 Right Hand Stud	BUDD® 92176 DODGE® 301123 EUCLID® E-8946R	2 9/16"	15/16"	5/8"	21/32"	1/4"	WA07-7264
WA07-6320 Left Hand Stud	BUDD® 92177 DODGE® 301124 EUCLID® E-8946L	2 9/16"	15/16"	5/8"	21/32"	1/4"	WA07-7269
WA07-6304 Right Hand Stud	BUDD® 98348 DODGE® 3637878 EUCLID® E-8946R	2 15/16"	15/16"	5/8"	21/32"	1/4"	WA07-5122
WA07-6229 Left Hand Stud	BUDD® 98349 DODGE® 3637879 EUCLID® E-8946L	2 15/16"	15/16"	5/8"	21/32"	1/4"	WA07-7199



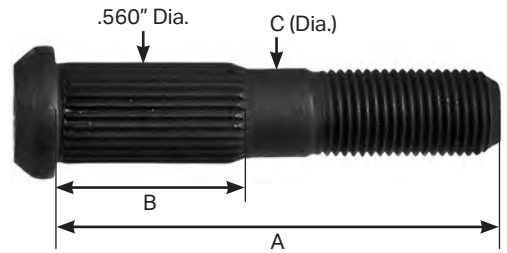
DODGE® 3/4" HEX HEAD

WORLD AMERICAN PART #	REPLACES	A	B	THREAD
WA07-6133 Right Hand Stud	DODGE® 393984 EUCLID® E-5591R NWRA® X-1064	1 1/2"	7/8"	1/2" 20 RH
WA07-6218 Left Hand Stud	DODGE® 856981 EUCLID® E-5591L NWRA® X-1065	1 1/2"	7/8"	1/2"-20 LH
WA07-6216 Right Hand Stud	DODGE® 386985 EUCLID® E-5592R NWRA® X-1092	1 1/2"	7/8"	9/16"-18 RH
WA07-7229 Left Hand Stud	DODGE® 856982 EUCLID® E-5592L NWRA® X-1093	1 1/2"	7/8"	9/16"-18 RH



FORD® 9/16"-18

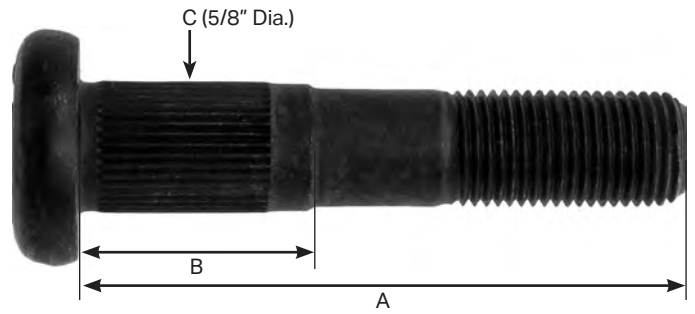
WORLD AMERICAN PART #	REPLACES	A	B	C	D	E	USE WA NUT
WA07-7202 Right Hand Stud	EUCLID® E-8959R FORD® DOTZ1107A	2 13/16"	1 1/8"	19/32"	5/8"	9/32"	WA07-7277
WA07-7203 Left Hand Stud	EUCLID® E-8959L FORD® DOTZ1119A	2 13/16"	1 1/8"	19/32"	5/8"	9/32"	WA07-7278



GMC® 1/2" - 20 .560" DIAMETER RIGHT HAND STUDS

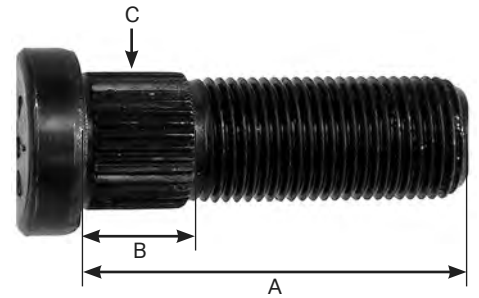
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7228 Right Hand Stud	EUCLID® E-5621 KELSEY® 43936	2 5/16"	15/16"	9/16"
WA07-6130 Right Hand Stud	EUCLID® E-5622 KELSEY® 43941 Nwra® X-1242	2 1/2"	15/16"	9/16"
WA07-6131 Right Hand Stud	EUCLID® E-5819 GM® 3819780	2 7/8"	15/16"	9/16"





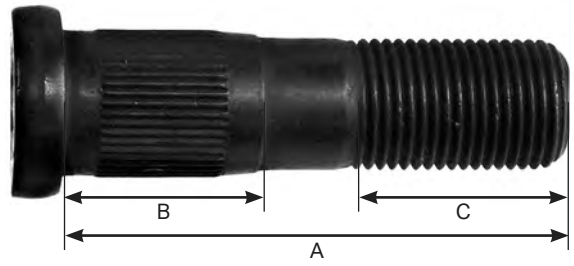
GMC® 9/16" - 18

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7204 Right Hand Stud	CHEVROLET® 3988528 EUCLID® E-8963	3"	1 1/16"	5/8"
WA07-7205 Right Hand Stud	CHEVROLET® 334386 EUCLID® E-8964	3 1/2"	1 1/16"	5/8"
WA07-7206 Right Hand Stud	CHEVROLET® 355815 EUCLID® E-8965	3 9/16"	1 5/16"	5/8"



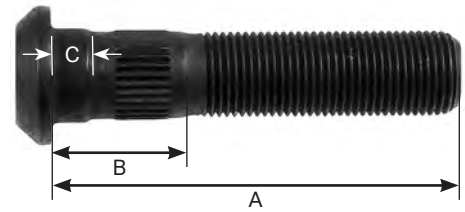
GMC® 5/8"-18

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6205 Right Hand Stud	EUCLID® E-5607 GMC® 3682387	2"	9/16"	11/16"
WA07-6206 Right Hand Stud	EUCLID® E-5938 GMC® 3682389	2 13/16"	7/8"	11/16"
WA07-6209 Right Hand Stud	EUCLID® E-5625 GMC® 3707585	2 27/32"	1"	11/16"
WA07-6123 Right Hand Stud	EUCLID® E-5938 GMC® 3694508	2 15/16"	3/4"	11/16"
WA07-6207 Right Hand Stud	EUCLID® E-5628 GMC® 3682153	3 3/64"	1 7/64"	11/16"
WA07-5160 Right Hand Stud	EUCLID® E-10230 GMC® 3697043	3 3/16"	1"	11/16"



GMC® 11/16"-16, BODY DIAMETER: .728" - .732"

WORLD AMERICAN PART #	REPLACES	A	B	C	USE WA NUT
WA07-5161 Right Hand Stud	BUDD® 82525 EUCLID® E-5682 GMC® 3763619	2 5/8"	1"	1 1/8"	WA07-6149
WA07-5162 Right Hand Stud	BUDD® 82526 EUCLID® E-5683 GMC® 3765876	3 1/4"	1"	1 27/64"	WA07-6149
WA07-6231 Right Hand Stud	BUDD® 83172 EUCLID® E-5816 GMC® 301112-1	3 1/4"	1 21/64"	1 3/8"	WA07-6149



3/4"- 16 THREAD, SERRATED BODY
 BODY DIAMETER: .783-.786
 SERRATED DIAMETER: .810-.820
 GRADE 8

HEADED DISC WHEEL STUDS (Serrated Body)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6204 Right Hand	BUDD® 59364 EUCLID® E-4964R	2 1/8"	3/4"	1/4"
WA07-6318 Left Hand	BUDD® 59365 EUCLID® E-4964L	2 1/8"	3/4"	1/4"
WA07-5163 Right Hand	BUDD® 59191 EUCLID® E-4965R WEBB® 159190	2 3/8"	1"	1/4"
WA07-5164 Left Hand	BUDD® 59192 EUCLID® E-4965L WEBB® 159191	2 3/8"	1"	1/4"

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HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7209 Right Hand	BUDD® EUCLID® WEBB®	2 15/32"	15/16"	5/16"
WA07-7420 Left Hand	BUDD® EUCLID® 13-1121L WEBB®	2 15/32"	15/16"	5/16"
WA07-6098 Right Hand	EUCLID® E-10202R GUNITE® W1091R	2 1/2"	3/4"	1/4"
WA07-6311 Left Hand	EUCLID® E-10202L GUNITE® W1091L	2 1/2"	3/4"	1/4"
WA07-5096 Right Hand	BUDD® 59263 EUCLID® E-4966R TRAILMOBILE® 50-33A-29	2 5/8"	1 1/4"	5/16"
WA07-5097 Left Hand	BUDD® 59264 EUCLID® E-4966L TRAILMOBILE® 50-33A-30	2 5/8"	1 1/4"	5/16"
WA07-6324 Right Hand	EUCLID® E-8983R GUNITE® W1170R	2 11/16"	31/32"	1/4"
WA07-7309 Left Hand	EUCLID® E-8983L GUNITE® W1170L	2 11/16"	31/32"	1/4"
WA07-6062 Right Hand	CONMET® 102192 EUCLID® WEBB® 102192	2 25/32"	1 1/16"	1/8"
WA07-6063 Left Hand	CONMET® 102191 EUCLID® WEBB® 102191	2 25/32"	1 1/16"	1/8"
WA07-5098 Right Hand	BUDD® 61968 EUCLID® E-4967R GM® 3723968 MERITOR® 20X1576	2 7/8"	1 1/2"	1/4"
WA07-5099 Left Hand	BUDD® 61969 EUCLID® E-4967L GM® 3723969 MERITOR® 20X1575	2 7/8"	1 1/2"	1/4"

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HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6208 Right Hand	EUCLID® E-9003R MERITOR® 20X1812	2 29/32"	1 1/16"	1/2"
WA07-6099 Left Hand	EUCLID® E-9003L MERITOR® 20X1811	2 29/32"	1 1/16"	1/2"
WA07-6064 Right Hand	BUDD® 100145 EUCLID® E-8947R WEBB® 159184	2 31/32"	1 13/32"	1/2"
WA07-6065 Left Hand	BUDD® 100146 EUCLID® E-8947L WEBB® 159183	2 31/32"	1 13/32"	1/2"
WA07-6066 Right Hand	GM® 15580830 GUNITE® W-981R EUCLID® E-8969R	2 15/16"	1 5/16"	1/4"
WA07-6067 Left Hand	GM® 15580833 GUNITE® W-981L EUCLID® E-8969L	2 15/16"	1 5/16"	1/4"
WA07-6100 Right Hand	EUCLID® E-10206R GUNITE® W1064R	3"	1 21/32"	1/4"
WA07-6101 Left Hand	EUCLID® E-10206L GUNITE® W1064L	3"	1 21/32"	1/4"
WA07-6068 Right Hand	EUCLID® E-8982R GUNITE® W-1166R	3 1/8"	1 11/32"	1/4"
WA07-6069 Left Hand	EUCLID® E-8982L GUNITE® W-1166L	3 1/8"	1 11/32"	1/4"
WA07-5502 Right Hand	CONMET® 102278 EUCLID® E-10209R WEBB® 102278	3 5/32"	1 7/16"	1/8"
WA07-5503 Left Hand	CONMET® 102277 EUCLID® E-10209L WEBB® 102277	3 5/32"	1 7/16"	1/8"

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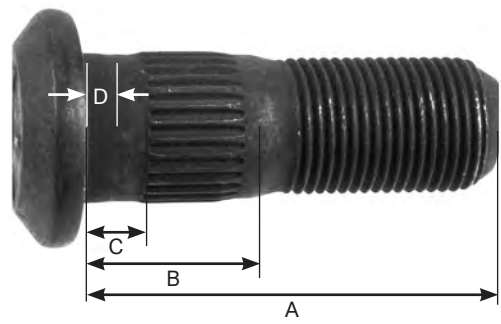
HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6070 Right Hand	EUCLID® E-8968R GUNITE® W-980R	3 3/16"	1 13/32"	1/4"
WA07-6071 Left Hand	EUCLID® E-8968L GUNITE® W-980L	3 3/16"	1 13/32"	1/4"
WA07-5165 Right Hand	EUCLID® E-8979R GUNITE® W-992R GUNITE® W-1133R	3 11/32"	1 9/32"	1/4"
WA07-5166 Left Hand	EUCLID® E-8979L GUNITE® W-992L GUNITE® W-1133L	3 11/32"	1 9/32"	1/4"
WA07-6072 Right Hand	EUCLID® E-9008R WEBB® 100164	3 3/8"	1 13/32"	1/2"
WA07-6073 Left Hand	EUCLID® E-9008L WEBB® 100163	3 3/8"	1 13/32"	1/2"
WA07-5167 Right Hand	CONMET® 102280 EUCLID® E-10208R WEBB® 102280	3 13/32"	1 7/16"	1/8"
WA07-5353 Left Hand	CONMET® 102279 EUCLID® E-10208L WEBB® 102279	3 13/32"	1 7/16"	1/8"
WA07-5504 Right Hand	CONMET® 102282 EUCLID® E-10210R WEBB® 102282	3 25/32"	1 7/16"	1/8"
WA07-5505 Left Hand	CONMET® 102281 EUCLID® E-10210L WEBB® 102281	3 25/32"	1 7/16"	1/8"

WHEEL STUDS





3/4"-16 THREAD, SERRATED BODY W/ RAISED SHOULDER
 BODY DIAMETER: .783-.786
 SERRATED DIAMETER: .810-.820
 RAISED SHOULDER DIAMETER: .798-.808
 GRADE 8

HEADED DISC WHEEL STUDS (Serrated Body with Raised Shoulder)

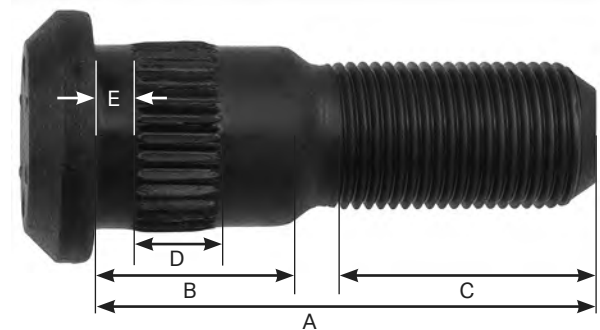
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6154 Right Hand	BUDD® 90554 EUCLID® E-5764R	2 3/8"	1"	3/8"	3/16"
WA07-6155 Left Hand	BUDD® 90554 EUCLID® E-5764L	2 3/8"	1"	3/8"	3/16"
WA07-6156 Right Hand	BUDD® 90513 EUCLID® E-5870R	2 5/8"	1 1/4"	7/16"	3/16"
WA07-6157 Left Hand	BUDD® 90514 EUCLID® E-5870L	2 5/8"	1 1/4"	7/16"	3/16"
WA07-6219 Right Hand	BUDD® 85108 EUCLID® E-5775 FORD® C3T2-1118A	2 3/4"	1 3/8"	1/2"	1/4"
WA07-5100 Right Hand	BUDD® 49851 EUCLID® E-4968R MERITOR® 20X996 WEBB® 198510	2 7/8"	1 1/2"	1/2"	5/16"
WA07-5101 Left Hand	BUDD® 49852 EUCLID® E-4968L MERITOR® 20X997 WEBB® 198511	2 7/8"	1 1/2"	1/2"	5/16"
WA07-7207 Right Hand	BUDD® 85141 EUCLID® E-5776 FORD® CTZ-1119A	3"	1 9/16"	1/2"	5/16"
WA07-5102 Right Hand	BUDD® 59183 EUCLID® E-4969R FRUEHAUF® 582886	3 1/8"	1 3/4"	9/16"	5/16"
WA07-5103 Left Hand	BUDD® 59184 EUCLID® E-4969L FRUEHAUF® 582887	3 1/8"	1 3/4"	9/16"	5/16"
WA07-6220 Right Hand	BUDD® 85106 EUCLID® E-5703 FORD® CTZ-1119A	3 3/8"	1 13/16"	1/2"	5/16"

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HEADED DISC WHEEL STUDS (Serrated Body with Raised Shoulder)

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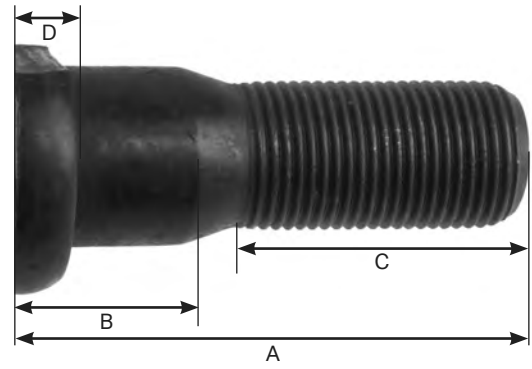
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-5169 Right Hand	BUDD® 84097 EUCLID® E-5765R	3 3/8"	2"	3/8"	3/16"
WA07-5355 Left Hand	BUDD® 84097 EUCLID® E-5765L	3 3/8"	2"	3/8"	3/16"
WA07-6140 Right Hand	BUDD® 59066 EUCLID® E-5756R	3 3/8"	2"	9/16"	5/16"
WA07-6141 Left Hand	BUDD® 59067 EUCLID® E-5756L	3 3/8"	2"	9/16"	5/16"
WA07-6142 Right Hand	BUDD® 59375 EUCLID® E-5757R	3 5/8"	2 1/4"	9/16"	5/16"
WA07-6143 Left Hand	BUDD® 59376 EUCLID® E-5757L	3 5/8"	2 1/4"	9/16"	5/16"
WA07-6152 Right Hand	BUDD® 59373 EUCLID® E-5766R	3 7/8"	2 1/2"	9/16"	5/16"
WA07-6153 Left Hand	BUDD® 59373 EUCLID® E-5766L	3 7/8"	2 1/2"	9/16"	5/16"
WA07-6158 Right Hand	BUDD® 59371 EUCLID® E-5869R	4 1/8"	2 3/4"	9/16"	5/16"
WA07-6302 Left Hand	BUDD® 59372 EUCLID® E-5869L	4 1/8"	2 3/4"	9/16"	5/16"



3/4"-16 THREADD, SERRATED BODY
 BODY DIAMETER: .900-.906
 SERRATED DIAMETER: .935-.942
 GRADE 8

BUDD® UNIMOUNT WHEEL STUDS

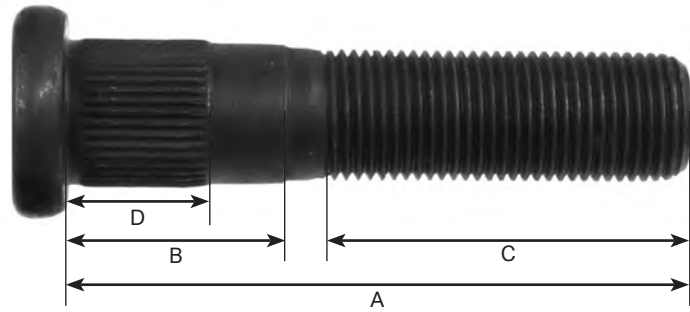
WORLD AMERICAN PART #	REPLACES	A	B	C	D	E
WA07-5171 Right Hand Stud	BUDD® 106201 EUCLID® E-8949R	2 19/32"	1"	1 1/4"	13/32"	3/16"
WA07-5172 Left Hand Stud	BUDD® 106202 EUCLID® E-8949L	2 19/32"	1"	1 1/4"	13/32"	3/16"



3/4"-16 THREAD
BODY DIAMETER: .888

"D" HEAD STUDS FOR DURA-LIGHT HUBS

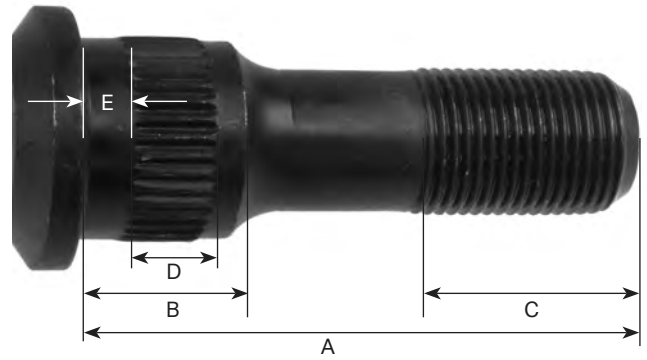
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6104 Right Hand Stud	EUCLID® E-10259R	2 11/32"	5/8"	1 3/8"	5/16"
WA07-6316 Left Hand Stud	EUCLID® E-10259L	2 11/32"	5/8"	1 3/8"	5/16"



1 1/16"-16 THREAD, SERRATED BODY
BODY DIAMETER: .747-.749
SERRATED DIAMETER: .761-.767

BUDD® UNIMOUNT WHEEL STUDS

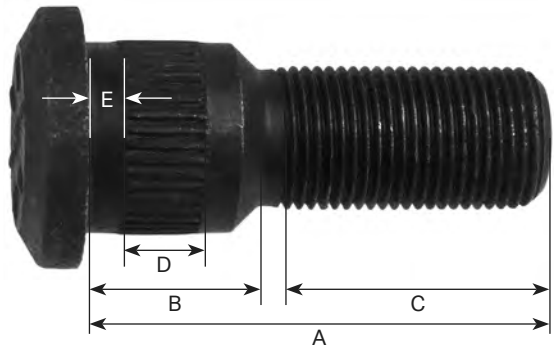
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6102 Right Hand Stud	GMC® 3874369 EUCLID® E-8962	3 1/4"	1 1/8"	1 27/32"	5/8"
WA07-6315 Left Hand Stud	GMC® 704173 EUCLID® E-8961	3 5/8"	1 5/16"	1 31/32"	1/2"



3/4"-16 THREAD, SERRATED BODY
 BODY DIAMETER: .971-.975
 SERRATED DIAMETER: .998-.1006
 GRADE 8

BUDD® UNIMOUNT WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	A	B	C	D	E
WA07-6121 Right Hand Stud	EUCLID® E-9010R WEBB® 101172	2 7/8"	13/16"	1 1/8"	3/8"	1/4"
WA07-6193 Left Hand Stud	EUCLID® E-9010L WEBB® 101173	2 7/8"	13/16"	1 1/8"	3/8"	1/4"
WA07-6194 Right Hand Stud	EUCLID® E-8984R GUNITE® W-1199R	3 3/8"	1 3/8"	1 13/16"	1/2"	1/4"
WA07-6195 Left Hand Stud	EUCLID® E-8984L GUNITE® W-1199L	3 3/8"	1 3/8"	1 13/16"	1/2"	1/4"
WA07-6196 Right Hand Stud	EUCLID® MERITOR® 20X348	3 5/8"	13/16"	1 1/8"	7/16"	1/8"
WA07-6307 Left Hand Stud	EUCLID® MERITOR® 20X349	3 5/8"	13/16"	1 1/8"	7/16"	1/8"
WA07-6198 Right Hand Stud	EUCLID® E-8971R GUNITE® W985R	3 7/16"	1 15/16"	1 5/16"	3/4"	1"
WA07-6308 Left Hand Stud	EUCLID® E-8971L GUNITE® W-985L	3 7/16"	1 15/16"	1 5/16"	3/4"	1"



3/4"-16 THREAD, SERRATED BODY
 BODY DIAMETER: .973-.977
 SERRATED DIAMETER: .998-.1006
 GRADE 8

HEADED DISC WHEEL STUDS (Serrated Body)

WORLD AMERICAN PART #	REPLACES	A	B	C	D	E
WA07-6032 Right Hand	BUDD® 63625-2 EUCLID® E-5718R MERITOR® 20X208	2 3/8"	13/16"	1 5/32"	7/16"	1/8"
WA07-6033 Left Hand	BUDD® 63626-2 EUCLID® E-5718L MERITOR® 20X209	2 3/8"	13/16"	1 5/32"	7/16"	1/8"
WA07-6034 Right Hand	BUDD® 63625-3 EUCLID® E-5719R MERITOR® 20X210	2 9/16"	13/16"	1 5/32"	5/8"	1/8"
WA07-6035 Left Hand	BUDD® 63626-3 EUCLID® E-5719L MERITOR® 20X211	2 9/16"	13/16"	1 5/32"	5/8"	1/8"
WA07-6120 Right Hand	BUDD® 63625-1 EUCLID® E-5720R MERITOR® 20X206	2 23/32"	13/16"	1 5/32"	7/16"	1/8"
WA07-6037 Left Hand	BUDD® 63626-1 EUCLID® E-5720L MERITOR® 20X207	2 23/32"	13/16"	1 5/32"	7/16"	1/8"
WA07-6170 Right Hand	EUCLID® E-5911R MERITOR® 20X402	2 9/16"	15/16"	1 1/4"	7/16"	9/32"
WA07-6171 Left Hand	EUCLID® E-5911L MERITOR® 20X403	2 9/16"	15/16"	1 1/4"	7/16"	9/32"
WA07-6172 Right Hand	EUCLID® E-5900R MERITOR® 20X831	2 11/16"	13/16"	1 7/16"	7/16"	1/8"

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HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C	D	E
WA07-6173 Left Hand	EUCLID® E-5900L MERITOR® 20X832	2 11/16"	13/16"	1 7/16"	7/16"	1/8"
WA07-6138 Right Hand	BUDD® 82578 EUCLID® E-5721R MERITOR® 20X404	2 13/16"	1 3/16"	1 3/16"	1/2"	3/8"
WA07-6139 Left Hand	BUDD® 82579 EUCLID® E-5721L MERITOR® 20X405	2 13/16"	1 3/16"	1 3/16"	1/2"	3/8"
WA07-6232 Right Hand	EUCLID® E-5987R NW® 86797 NAVISTAR® 472008C	2 15/16"	1 1/4"	1 1/4"	1"	1/16"
WA07-6233 Left Hand	EUCLID® E-5987L NW® 86798 NAVISTAR® 472007C1	2 15/16"	1 1/4"	1 1/4"	1"	1/16"
WA07-5173 Right Hand	EUCLID® E-5910R MERITOR® 20X344	3 1/16"	13/16"	1 1/2"	7/16"	1/8"
WA07-5141 Left Hand	EUCLID® E-5910L MERITOR® 20X345	3 1/16"	13/16"	1 1/2"	7/16"	1/8"
WA07-5175 Right Hand	EUCLID® E-5871R MERITOR® 20X481	3 3/32"	1 3/8"	1 1/4"	1 1/8"	3/16"
WA07-5176 Left Hand	EUCLID® E-5871L MERITOR® 20X482	3 3/32"	1 3/8"	1 1/4"	1 1/8"	3/16"
WA07-6106 Right Hand	EUCLID® E-9524R WEBB® 101174	3 3/16"	25/32"	1 19/32"	1/2"	3/8"
WA07-6313 Left Hand	EUCLID® E-9524L WEBB® 101175	3 3/16"	25/32"	1 19/32"	1/2"	3/8"
WA07-6074 Right Hand	EUCLID® E-6057R MW® 90801	3 3/16"	1 3/16"	1 5/32"	1"	1/16"

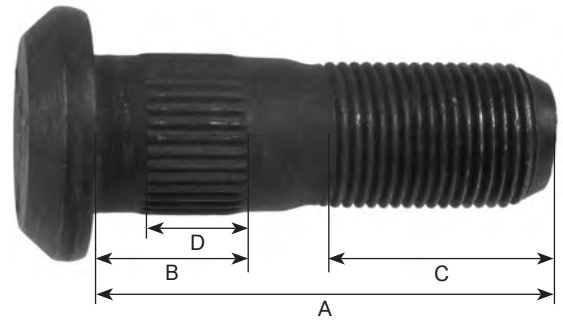
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HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART	REPLACES	A	B	C	D	E
WA07-6075 Left Hand	EUCLID® E-6057L MW® 90801	3 3/16"	1 3/16"	1 5/32"	1"	1/16"
WA07-5104 Right Hand	EUCLID® E-5896R KENWORTH® 233-2871R PETERBILT® 03-02207	3 5/16"	1 7/16"	1 3/32"	1"	5/16"
WA07-5105 Left Hand	EUCLID® E-5896L KENWORTH® 233-2871L PETERBILT® 03-02208	3 5/16"	1 7/16"	1 3/32"	1"	5/16"
WA07-6108 Right Hand	EUCLID® E-9525R WEBB® 101178	3 11/32"	25/32"	1 27/32"	1/2"	3/8"
WA07-6314 Left Hand	EUCLID® E-9525L WEBB® 101178	3 11/32"	25/32"	1 27/32"	1/2"	3/8"
WA07-6234 Right Hand	EUCLID® E-5909R MERITOR® 20X852	3 11/32"	1 27/32"	1 1/4"	1/2"	3/8"
WA07-6235 Left Hand	EUCLID® E-5909L MERITOR® 20X1853	3 11/32"	1 27/32"	1 1/4"	1/2"	3/8"
WA07-7210 Right Hand	EUCLID® E-5803R MERITOR® 20X1284	3 21/32"	2 7/32"	1 1/16"	1"	13/32"
WA07-7211 Left Hand	EUCLID® E-5803L MERITOR® 20X1285	3 21/32"	2 7/32"	1 1/16"	1"	13/32"
WA07-5177 Right Hand	EUCLID® E-5983R KENWORTH® 12452-001R PETERBILT® 03-02852	3 3/4"	1 3/8"	1 7/8"	1 1/16"	3/16"
WA07-5178 Left Hand	EUCLID® E-5983L KENWORTH® 122452-001L PETERBILT® 03-02853	3 3/4"	1 3/8"	1 7/8"	1 1/16"	3/16"

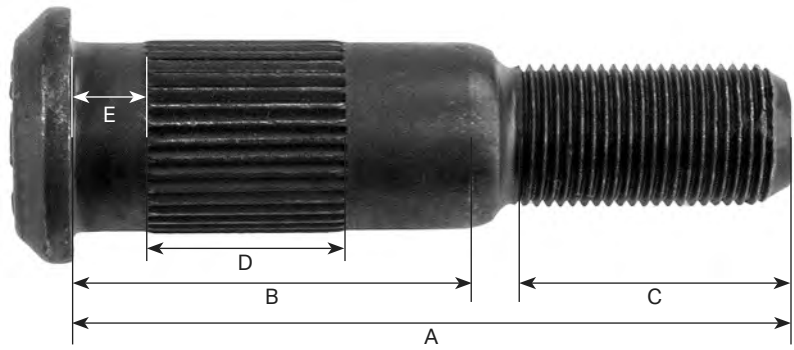
WHEEL STUDS



3/4"-16 THREAD, SERRATED BODY
 BODY DIAMETER: .772-.784

HEADED DISC WHEEL STUDS (Serrated Body)

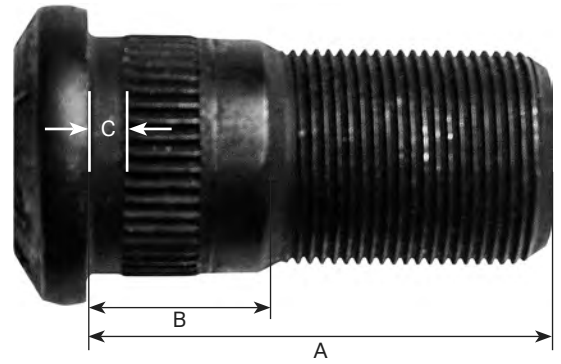
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7411 Right Hand	EUCLID® E-9011R WEBB® 159190	2 3/8"	7/8"	1 1/16"	1/2"
WA07-6326 Left Hand	EUCLID® E-9011L WEBB® 159191	2 3/8"	7/8"	1 1/16"	1/2"
WA07-7311 Right Hand	EUCLID® E-8958R	2 7/8"	1 1/2"	1 3/16"	1/2"
WA07-6327 Left Hand	EUCLID® E-8958L	2 7/8"	1 1/2"	1 3/16"	1/2"
WA07-7312 Right Hand	EUCLID® E-8955R	3 3/8"	1 9/32"	1 15/16"	1/2"
WA07-6328 Left Hand	EUCLID® E-8955L	3 3/8"	1 9/32"	1 15/16"	1/2"
WA07-6312 Right Hand	EUCLID® E-8957R	3 1/2"	1 25/32"	1 9/32"	1/2"
WA07-5304 Left Hand	EUCLID® E-8957L	3 1/2"	1 25/32"	1 9/32"	1/2"
WA07-7294 Right Hand	EUCLID® E-8977R GUNITE® W1061R	3 7/8"	2 1/16"	1 11/16"	1/2"
WA07-6329 Left Hand	EUCLID® E-8977L GUNITE® W1061L	3 7/8"	2 1/16"	1 11/16"	1/2"



3/4"-16 THREAD SERRATED BODY
 BODY DIAMETER: .973-.977
 SERRATED BODY DIAMETER: .988-1.006
 GRADE 8

HEADED DISC WHEEL STUDS (Serrated Body)

WORLD AMERICAN PART #	REPLACES	A	B	C	D	E
WA07-7252 Right Hand	EUCLID® E-8999R MERITOR® 20X780	3 3/4"	2"	---	1"	7/16"
WA07-7253 Left Hand	EUCLID® E-8999L MERITOR® 20X780	3 3/4"	2"	---	1"	7/16"
WA07-7187 Right Hand	EUCLID® E-5803R MERITOR® 20X488	3 25/32"	2 7/32"	1 1/16"	1"	5/16"
WA07-7188 Left Hand	EUCLID® E-5803L MERITOR® 20X488	3 25/32"	2 7/32"	1 1/16"	1"	5/16"
WA07-7212 Right Hand	EUCLID® E-5907R MERITOR® 20X1282	3 7/8"	2 7/16"	1 1/16"	1 1/16"	5/8"
WA07-7213 Left Hand	EUCLID® E-5907L MERITOR® 20X1283	3 7/8"	2 7/16"	1 1/16"	1 1/16"	5/8"
WA07-7167 Right Hand	BUDD® 83851 EUCLID® E-5722R	4"	2 7/16"	1 3/16"	1"	5/8"
WA07-7168 Left Hand	BUDD® 83852 EUCLID® E-5722L	4"	2 7/16"	1 3/16"	1"	5/8"
WA07-6330 Right Hand	DAYTON® 13-1253R EUCLID® MERITOR® 20X408	4 3/16"	2 11/16"	1 1/4"	1/2"	3/8"
WA07-6131 Left Hand	EUCLID® MERITOR® 20X409	4 3/16"	2 11/16"	1 1/4"	1/2"	3/8"



1 1/8"-16 THREAD, SERRATED BODY
 BODY DIAMETER: 1.218-1.222
 SERRATED BODY DIAMETER: 1.244-1.252
 GRADE 8

HEADED DISC WHEEL STUDS (Serrated Body)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7170 Right Hand	BUDD® 82573 EUCLID® E-5748R MERITOR® 20X370	2 13/32"	7/8"	3/16"
WA07-7171 Left Hand	BUDD® 82574 EUCLID® E-5748L MERITOR® 20X369	2 13/32"	7/8"	3/16"
WA07-6332 Right Hand	BUDD® 83814 EUCLID® E-5690R MERITOR® 20X368	2 19/32"	7/8"	3/16"
WA07-7395 Left Hand	BUDD® 83815 EUCLID® E-5690L	2 19/32"	7/8"	3/16"
WA07-6144 Right Hand	BUDD® 82575 EUCLID® E-5749R MERITOR® 20X372	2 13/16"	7/8"	3/16"
WA07-6145 Left Hand	BUDD® 82576 EUCLID® E-5749L MERITOR® 20X371	2 13/16"	7/8"	3/16"
WA07-6334 Right Hand	EUCLID® MERITOR® 20X676	2 27/32"	1 5/16"	9/16"
WA07-7262 Left Hand	EUCLID® MERITOR® 20X675	2 27/32"	1 5/16"	9/16"
WA07-6335 Right Hand	EUCLID® E-10224R MERITOR® 20X582	2 29/32"	1 3/8"	1/4"
WA07-7263 Left Hand	EUCLID® 13-10224L MERITOR® 20X583	2 29/32"	1 3/8"	1/4"
WA07-6076 Right Hand	EUCLID® E-5986R MW® 88108 WEBB® 188108	2 31/32"	3/4"	1/8"

CONTINUED>

HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6309 Left Hand	EUCLID® E-5986L MW® 88109 WEBB® 188109	2 31/32"	3/4"	1/8"
WA07-7172 Right Hand	BUDD® 83853 EUCLID® E-5750R MERITOR® 20X584	3"	1 3/8"	1/4"
WA07-7173 Left Hand	BUDD® 83854 EUCLID® 13-5750L MERITOR® 20X585	3"	1 3/8"	1/4"
WA07-7196 Right Hand	EUCLID® E-5898R GUNITE® W-1148R MERITOR® 20X588	3 3/16"	1 3/8"	1/4"
WA07-7197 Left Hand	EUCLID® E-5898L GUNITE® W-1148L MERITOR® 20X589	3 3/16"	1 3/8"	1/4"
WA07-3236 Right Hand	EUCLID® E-8996R MW® 88291	3 1/4"	3/4"	1/8"
WA07-6237 Left Hand	EUCLID® E-8996L MW® 88292	3 1/4"	3/4"	1/8"
WA07-6238 Right Hand	EUCLID® E-9001R MERITOR® 20X1356	3 15/32"	7/8"	1/8"
WA07-6239 Left Hand	EUCLID® E-9001L MERITOR® 20X1357	3 15/32"	7/8"	1/8"
WA07-5179 Right Hand	EUCLID® E-8972R GUNITE® W-988R GUNITE® W-1118R NAVISTAR® 593096C1	3 1/2"	1 3/16"	1/4"
WA07-5180 Left Hand	EUCLID® E-8972L GUNITE® W-988L GUNITE® W-1118L NAVISTAR® 593097C1	3 1/2"	1 3/16"	1/4"
WA07-6240 Right Hand	EUCLID® E-8995R MW® 87142	3 1/2"	1 1/2"	5/16"
WA07-6241 Left Hand	EUCLID® E-8995L MW® 87143	3 1/2"	1 1/2"	5/16"
WA07-6110 Right Hand	EUCLID® E-8985R GUNITE® W1203R	3 13/16"	1 3/16"	3/16"

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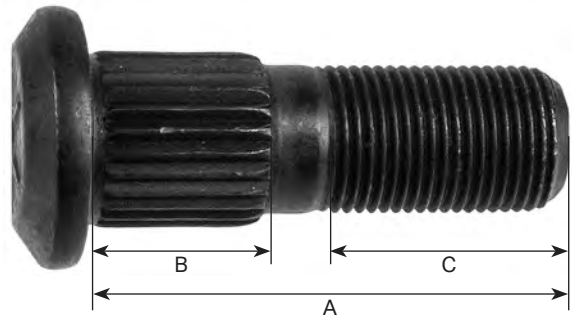
HEADED DISC WHEEL STUDS (Serrated Body)

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6111 Left Hand	EUCLID® E-8985L GUNITE® W1203L	3 13/16"	1 3/16"	3/16"
WA07-7305 Right Hand	EUCLID® E-6033R WEBB® 100170	3 5/8"	1 3/4"	3/16"
WA07-7306 Left Hand	EUCLID® E-6033L WEBB® 100181	3 5/8"	1 3/4"	3/16"
WA07-5104 Right Hand	BUDD® 85381 BUDD® 99616 EUCLID® E-5868R PETERBILT® 02-00573 WEBB® 133610	3 5/8"	1 13/16"	9/16"
WA07-6169 Left Hand	BUDD® 85382 BUDD® 99617 EUCLID® E-5868L PETERBILT® 02-00572 WEBB® 133609	3 5/8"	1 13/16"	9/16"
WA07-5106 Right Hand	EUCLID® E-5982R KENWORTH® 233B359R PETERBILT® 02-00772	3 3/4"	1 7/32"	1/8"
WA07-5107 Left Hand	KENWORTH® 233B359L PETERBILT® 02-00771	3 3/4"	1 7/32"	1/8"
WA07-6242 Right Hand	EUCLID® E-10249R MERITOR® 20X1476	3 3/4"	1 3/8"	5/8"
WA07-6243 Left Hand	EUCLID® E-10249L MERITOR® 20X1475	3 3/4"	1 3/8"	5/8"
WA07-6244 Right Hand	EUCLID® E-5985R MERITOR® 20X586	3 25/32"	1 3/8"	7/32"
WA07-6245 Left Hand	EUCLID® E-5985L MERITOR® 20X587	3 25/32"	1 3/8"	7/32"

WHEEL STUDS

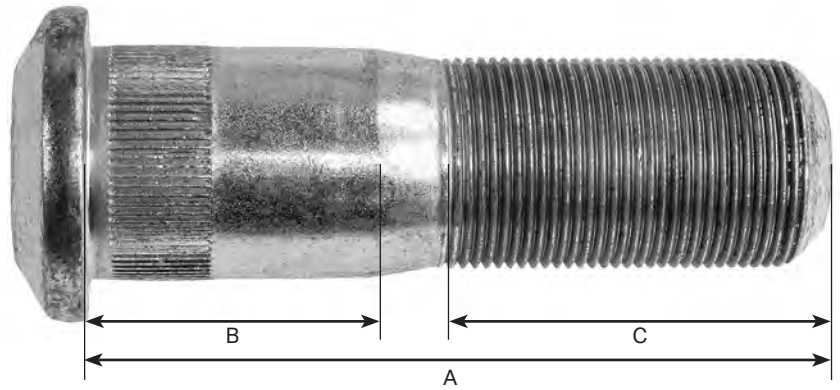




3/4"-16 THREAD - FULLY SERRATED BODY
 BODY DIAMETER .742-.749
 SERRATED BODY .875

HEADED DISC WHEEL STUDS (Fully Serrated Body)

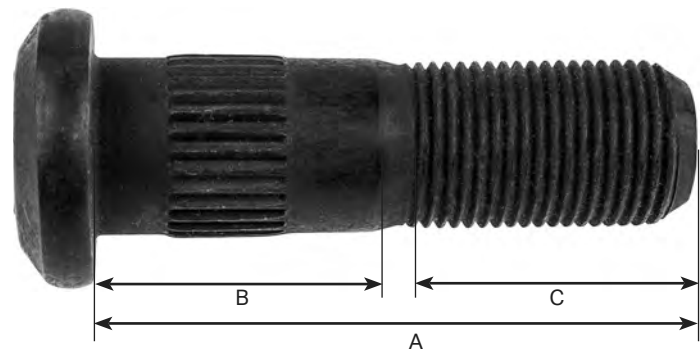
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6211 Right Hand Stud	EUCLID® E-8994R MOTORWHEEL® 82017	2 15/32"	29/32"	1 5/32"
WA07-6212 Left Hand Stud	EUCLID® E-8994L MOTORWHEEL® 82018	2 15/32"	29/32"	1 5/32"
WA07-6213 Right Hand Stud	EUCLID® MOTORWHEEL® 84155	2 5/8"	29/32"	1 5/32"
WA07-6305 Left Hand Stud	EUCLID® MOTORWHEEL® 84156	2 5/8"	29/32"	1 5/32"
WA07-6215 Right Hand Stud	EUCLID® MOTORWHEEL® 84986	2 13/16"	29/32"	1 5/32"
WA07-6306 Left Hand Stud	EUCLID® MOTORWHEEL® 84987	2 13/16"	29/32"	1 5/32"
WA07-7222 Right Hand Stud	EUCLID® E-8992R MOTORWHEEL® 82095	2 31/32"	15/16"	1 5/32"
WA07-7223 Left Hand Stud	EUCLID® E-8992L MOTORWHEEL® 82096	2 31/32"	15/16"	1 5/32"
WA07-7221 Right Hand Stud	EUCLID® MOTORWHEEL® 84935	3 1/8"	1 1/8"	1 3/4"
WA07-7224 Left Hand Stud	EUCLID® E-8993R MOTORWHEEL® 82842	3 1/4"	1 1/8"	1 5/32"
WA07-7225 Right Hand Stud	EUCLID® E-8993L MOTORWHEEL® 82843	3 1/4"	1 1/8"	1 5/32"
WA07-7220 Left Hand Stud	EUCLID® MOTORWHEEL® 8003	3 1/2"	1 1/32"	1 1/2"
WA07-7219 Right Hand Stud	EUCLID® MOTORWHEEL® 7778	3 9/16"	27/32"	1 1/2"



1 1/8"-16 THREAD
BODY DIAMETER 1.220

FRONT WHEEL STUDS FOR ALUMINUM DISC WHEELS

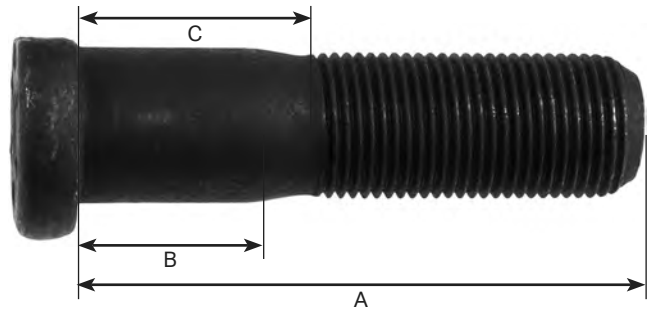
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7307 Right Hand Stud	CONMET® 101874 EUCLID® E-10225	3 7/8"	1 17/32"	1 29/32"
WA07-7308 Left Hand Stud	CONMET® 101873 EUCLID® E-10225L	3 7/8"	1 17/32"	1 29/32"



3/4"-16 THREAD
BODY DIAMETER: .910

CLIPPED HEAD WHEEL STUDS

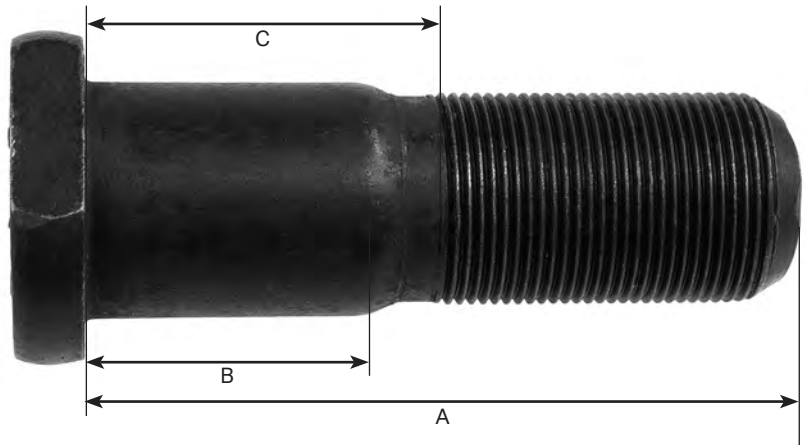
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7404 RIGHT HAND STUD	CONMET® 101774 EUCLID® E-8952R	3 5/32"	1 3/16"	1 1/4"
WA07-7392 LEFT HAND STUD	CONMET® 101773 EUCLID® E-8952L	3 5/32"	1 3/16"	1 1/4"



3/4"-16 THREAD
 BODY DIAMETER: .783-.786
 GRADE 8

TRAILER STUDS FOR ALUMINUM HUBS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6096 Right Hand Stud	EUCLID® E-10213R	2 15/16"	1 1/8"	15/16"
WA07-6338 Left Hand Stud	EUCLID® E-10213L PACCAR® K04	2 15/16"	1 1/8"	15/16"
WA07-6054 Right Hand Stud	EUCLID® E-6026R	3 5/32"	1 13/32"	1 23/32"
WA07-7282 Left Hand Stud	CONMET® 100012 EUCLID® E-6026L	3 5/32"	1 13/32"	1 23/32"
WA07-7283 Right Hand Stud	CONMET® 100369 EUCLID® E-6058R	3 1/4"	1 17/32"	1 7/8"
WA07-7284 Left Hand Stud	CONMET® 100368 EUCLID® E-6058L	3 1/4"	1 17/32"	1 7/8"
WA07-6339 Right Hand Stud	EUCLID® E-10214R PACCAR® K05	3 5/16"	1 3/4"	15/16"
WA07-6340 Left Hand Stud	EUCLID® E-10214L PACCAR® K06	3 5/16"	1 3/4"	15/16"
WA07-6056 Right Hand Stud	EUCLID® E-6027R	3 13/32"	1 13/32"	1 3/4"
WA07-6057 Left Hand Stud	EUCLID® E-6027L	3 13/32"	1 13/32"	1 3/4"
WA07-6058 Right Hand Stud	EUCLID® E-6059R	3 17/32"	1 9/16"	1 29/32"
WA07-6059 Left Hand Stud	EUCLID® E-6059L	3 17/32"	1 9/16"	1 29/32"
WA07-6060 Right Hand Stud	EUCLID® E-6028R	3 25/32"	1 9/16"	1 3/4"
WA07-6061 Left Hand Stud	EUCLID® E-6028L	3 25/32"	1 9/16"	1 3/4"



1 1/8"-16 THREAD
 BODY DIAMETER: 1.223-1.227
 GRADE 8

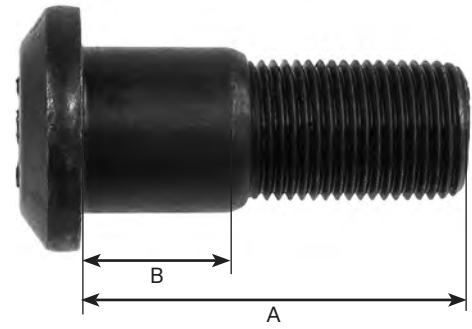
CONMET® STUDS FOR ALUMINUM FRONT HUBS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7285 Right Hand Stud	CONMET® 100265 EUCLID® E-8950R	3 23/32"	1 9/16"	1 3/4"
WA07-7286 Left Hand Stud	CONMET® 100264 EUCLID® E-8950L	3 23/32"	1 9/16"	1 3/4"



**WHERE QUALITY
 MEETS VALUE**

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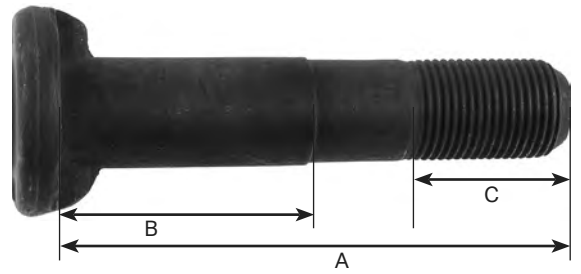
3/4"16 THREAD
BODY DIAMETER: .875-.879

BUDD® WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	A	B
WA07-5182 Right Hand Stud	BUDD® 35786 EUCLID® E-5587R	2"	3/4"
WA07-5181 Left Hand Stud	BUDD® 35787 EUCLID® E-5587L	2"	3/4"
WA07-5183 Right Hand Stud	BUDD® 40336 EUCLID® E-4988R	2 1/4"	1 3/64"
WA07-5184 Left Hand Stud	BUDD® 40337 EUCLID® E-4988L	2 1/4"	1 3/64"
WA07-5370 Right Hand Stud	BUDD® 40338 EUCLID® E-5588R	2 3/8"	1 3/16"
WA07-5371 Left Hand Stud	BUDD® 40339 EUCLID® E-5588L	2 3/8"	1 3/16"
WA07-5187 Right Hand Stud	BUDD® 59536 EUCLID® E-5618R	2 39/64"	1 9/32"
WA07-5188 Left Hand Stud	BUDD® 59537 EUCLID® E-5618L	2 39/64"	1 9/32"

USE THE FOLLOWING WORLD AMERICAN NUTS FOR THE ABOVE STUDS

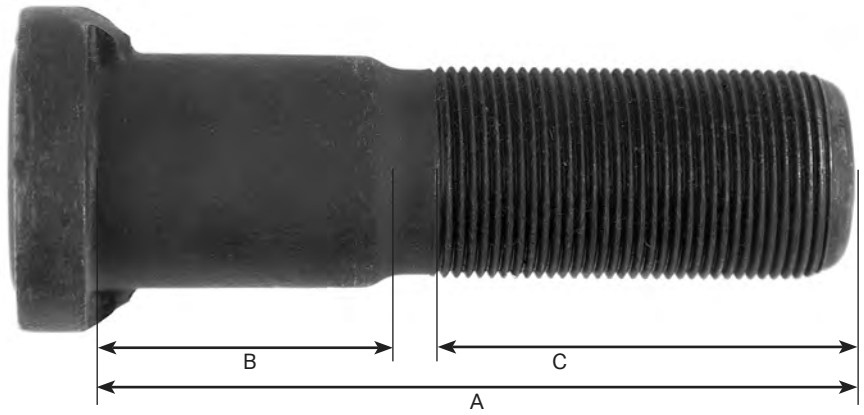
	RIGHT HAND	LEFT HAND
SINGLE WHEEL	WA07-5020	WA07-5021
DUAL WHEEL INNER NUTS	WA07-5024	WA07-5025
DUAL WHEEL OUTER NUTS	WA07-5022	WA07-5023



3/4"-16 THREAD
 BODY DIAMETER: .786-.789
 UNDERHEAD DIAMETER: .790-.795
 GRADE 8

MERITOR® STUDS FOR ALUMINUM HUBS

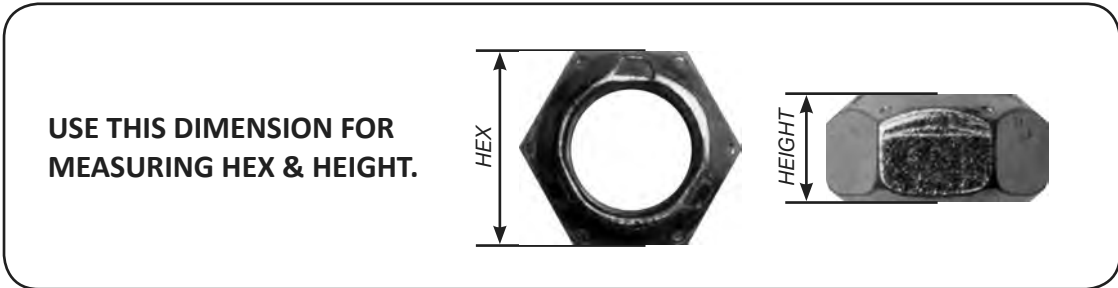
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7295 Right Hand Stud	EUCLID® E-9005R MERITOR® 20X2089	2 5/8"	15/16"	1 9/32"
WA07-6341 Left Hand Stud	EUCLID® E-9005L MERITOR® 20X2088	2 5/8"	15/16"	1 9/32"
WA07-6078 Right Hand Stud	EUCLID® E-9004R MERITOR® 20X1980	3 1/8"	1 13/32"	1 3/8"
WA07-6310 Left Hand Stud	EUCLID® E-9004L MERITOR® 20X1979	3 1/8"	1 13/32"	1 3/8"
WA07-6166 Right Hand Stud	EUCLID® E-5924R MERITOR® 20X1335 MERITOR® 20X1464	3 3/8"	1 13/32"	1 3/32"
WA07-6167 Left Hand Stud	EUCLID® E-5924L MERITOR® 20X1334 MERITOR® 20X1463	3 3/8"	1 13/32"	1 3/32"
WA07-7245 Right Hand Stud	EUCLID® E-5916R MERITOR® 20X1312 MERITOR® 20X1460	3 17/32"	1 3/4"	1 3/32"
WA07-7246 Left Hand Stud	EUCLID® E-5916L MERITOR® 20X1311 MERITOR® 20X1459	3 17/32"	1 3/4"	1 3/32"
WA07-7296 Right Hand Stud	EUCLID® E-9002R MERITOR® 20X1472	3 3/4"	1 7/16"	1 11/16"
WA07-7297 Left Hand Stud	EUCLID® E-9002L MERITOR® 20X1471	3 3/4"	1 7/16"	1 11/16"
WA07-7247 Right Hand Stud	EUCLID® E-5923R MERITOR® 20X1310 MERITOR® 20X1458	3 3/4"	1 13/16"	1 3/32"
WA07-7248 Left Hand Stud	EUCLID® E-5923L MERITOR® 20X1309 MERITOR® 20X1457	3 3/4"	1 13/16"	1 3/32"



1 1/8"-16 THREAD
 BODY DIAMETER: 1.226-1.229
 UNDERHEAD DIAMETER: 1.231-1.234
 GRADE 8

WEDGE HEAD WHEEL STUDS

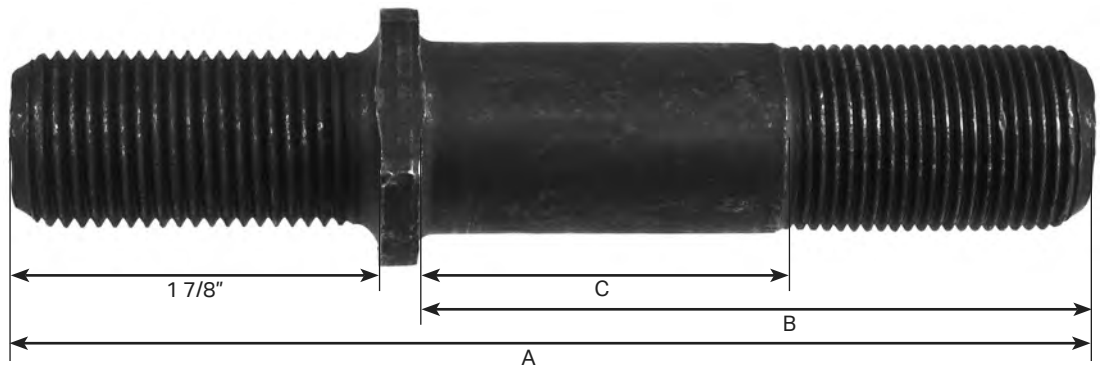
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7249 Right Hand Stud	EUCLID® E-5984R MERITOR® 20X1380	4"	1 7/16"	2 1/4"
WA07-7250 Left Hand Stud	EUCLID® E-5984L MERITOR® 20X1381	4"	1 7/16"	2 1/4"



USE THIS DIMENSION FOR MEASURING HEX & HEIGHT.

BACK NUTS

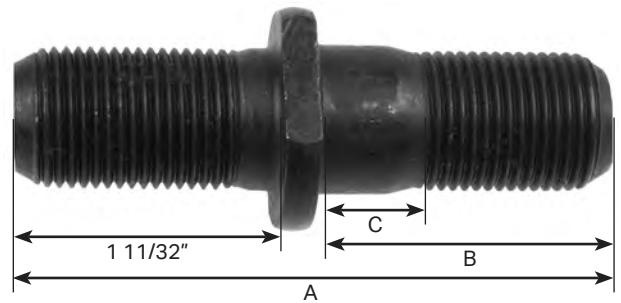
WORLD AMERICAN PART #	REPLACES	THREAD	HEX	HEIGHT
WA07-5040	BUDD® 41073-7 BUDD® 47693-7 EUCLID® E-5964	3/4"-16	1 1/16"	11/16"
WA07-7198	BUDD® 41073-8 BUDD® 47693-8 EUCLID® E-5877	7/8"-14	1 1/4"	1 7/8"
WA07-7200	BUDD® 44672-9 EUCLID® E-5878	1"-14	1 7/16"	11/16"



1"-14 THREAD, HUB END
 15/16"-12 THREAD, WHEEL END
 BODY DIAMETER: 1.010-1.013
 GRADE 8

OFF-HIGHWAY SHOULDER STUDS WITH FLATS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6160 Right Hand Stud	BUDD® 63341 EUCLID® E-5876R	5 5/8"	3 1/2"	1 7/8"
WA07-6303 Left Hand Stud	BUDD® 63342 EUCLID® E-5876L	5 5/8"	3 1/2"	1 7/8"
WA07-7265 Right Hand Stud	EUCLID® MERITOR® 20X460	5 7/8"	3 11/16"	2 3/8"
WA07-6463 Left Hand Stud	EUCLID® MERITOR® 20X461	5 7/8"	3 11/16"	2 3/8"
WA07-7266 Right Hand Stud	EUCLID® E-10231R MERITOR® 20X468	7"	4 7/8"	3 5/32"
WA07-7267 Left Hand Stud	EUCLID® E-10231L MERITOR® 20X469	7"	4 7/8"	3 5/32"



3/4"-16 THREAD, BOTH ENDS
 FLATS ON SHOULDER
 BODY DIAMETER: .783-.786
 GRADE 8

SHOULDER STUDS FOR DISC WHEELS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6038 Right Hand	BUDD® 12247 EUCLID® E-5558R	3 1/8"	1 19/32"	5/8"
WA07-6039 Left Hand	BUDD® 12248 EUCLID® E-5558L	3 1/8"	1 19/32"	5/8"

SHOULDER STUDS FOR DISC WHEELS

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-5189 Right Hand	BUDD® 13096 EUCLID® E-5556R	3 19/32"	2 1/16"	7/8"
WA07-5190 Left Hand	BUDD® 13097 EUCLID® E-5556L	3 19/32"	2 1/16"	7/8"
WA07-5191 Right Hand	BUDD® 13988 EUCLID® E-5559R	3 23/32"	2 3/16"	1 1/16"
WA07-5192 Left Hand	BUDD® 13989 EUCLID® E-5559L	3 23/32"	2 3/16"	1 1/16"
WA07-5193 Right Hand	BUDD® 13990 EUCLID® E-5559R	3 31/32"	2 7/16"	1 5/32"
WA07-5194 Left Hand	BUDD® 13991 EUCLID® E-5561L	3 31/32"	2 7/16"	1 5/32"
WA07-5195 Right Hand	BUDD® 19004 EUCLID® E-5560R	4 1/32"	2 1/2"	1 9/32"
WA07-5196 Left Hand	BUDD® 19005 EUCLID® E-5560L	4 1/32"	2 1/2"	1 9/32"
WA07-6044 Right Hand	BUDD® 17123 EUCLID® E-5551R	4 7/32"	2 11/16"	1 7/16"
WA07-6045 Left Hand	BUDD® 17124 EUCLID® E-5551L	4 7/32"	2 11/16"	1 7/16"
WA07-7314 Right Hand	BUDD® 22005 EUCLID® E-5585R	4 11/32"	2 13/16"	1 25/32"
WA07-7315 Left Hand	BUDD® 22006 EUCLID® E-5585L	4 11/32"	2 13/16"	1 25/32"
WA07-7421 Right Hand	CONMET® 100329 EUCLID® E-10200R	4 17/32"	3"	1 9/16"
WA07-7422 Left Hand	CONMET® 100330 EUCLID® E-10200L	4 17/32"	3"	1 9/16"
WA07-5197 Right Hand	BUDD® 16271 EUCLID® E-5553R	4 17/32"	3"	1 29/32"
WA07-5198 Left Hand	BUDD® 16272 EUCLID® E-5553L	4 17/32"	3"	1 29/32"

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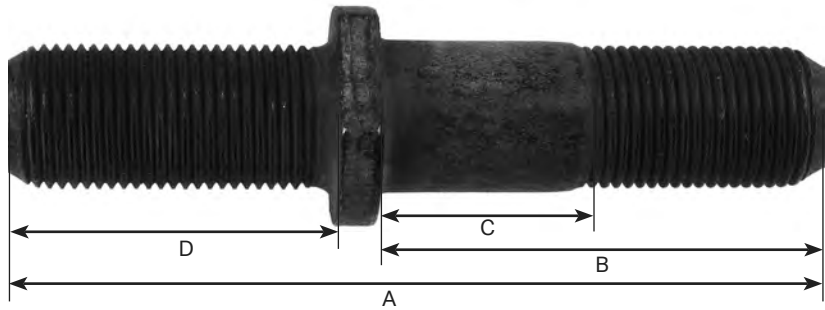
SHOULDER STUDS

SHOULDER STUDS FOR DISC WHEELS

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7298 Right Hand	BUDD® 21942 CONMET® 100118 EUCLID® E-6023R	4 27/32"	3 5/16"	1 11/16"
WA07-7427 Left Hand	BUDD® 21943 CONMET® 100119 EUCLID® E-6023L	4 27/32"	3 5/16"	1 11/16"
WA07-6080 Right Hand	CONMET® 100525 EUCLID® E-5989R	4 29/32"	3 3/8"	2 1/32"
WA07-6081 Left Hand	CONMET® 100524 EUCLID® E-5989L	4 29/32"	3 3/8"	2 1/32"
WA07-6048 Right Hand	BUDD® 16003 EUCLID® E-5557R	5 1/32"	3 1/2"	2 15/32"
WA07-6317 Left Hand	BUDD® 16004 EUCLID® E-5557L	5 1/32"	3 1/2"	2 15/32"
WA07-7316 Right Hand	BUDD® 16856 EUCLID® E-5562R	5 7/32"	3 11/16"	2 21/32"
WA07-7317 Left Hand	BUDD® 16857 EUCLID® E-5562L	5 7/32"	3 11/16"	2 21/32"
WA07-7425 Right Hand	CONMET® 100256 EUCLID® E-6024R	5 1/4"	3 5/16"	1 21/32"
WA07-7426 Left Hand	CONMET® 100257 EUCLID® E-6024L	5 1/4"	3 5/16"	1 21/32"
WA07-7318 Right Hand	BUDD® 33792 EUCLID® E-5563R	5 17/32"	4"	3"
WA07-7319 Left Hand	BUDD® 33793 EUCLID® E-5563L	5 17/32"	4"	3"
WA07-7320 Right Hand	BUDD® 24100 EUCLID® E-5565R	6 1/32"	4 1/2"	3 13/32"
WA07-7321 Left Hand	BUDD® 24101 EUCLID® E-5565L	6 1/32"	4 1/2"	3 13/32"

SHOULDER STUDS



3/4"-16 THREAD, BOTH ENDS
 FLATS ON SHOULDER
 BODY DIAMETER: .783-.786

LONGER CAP NUT END FOR ALUMINUM WHEELS

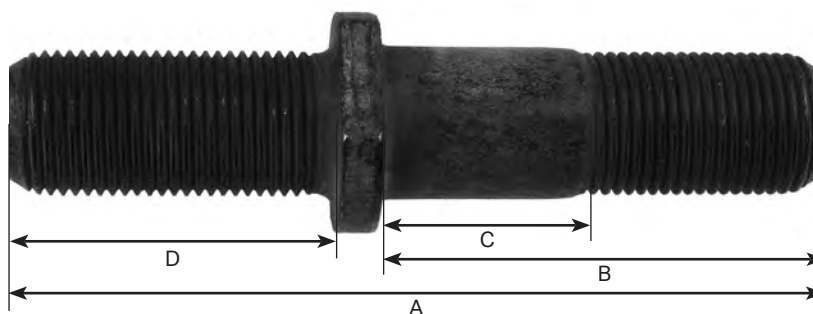
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6162 Right Hand	BUDD® 95693 EUCLID® E-5932R FREIGHTLINER® 11-9714-3	4 1/4"	2 3/8"	1 1/16"	1 5/8"
WA07-6163 Left Hand	BUDD® 95694 EUCLID® E-5932L FREIGHTLINER® 11-9714-2	4 1/4"	2 3/8"	1 1/16"	1 5/8"
WA07-6164 Right Hand	BUDD® X-2053 EUCLID® E-5931R FREIGHTLINER® 11-9714-12	4 1/2"	2 3/8"	1 1/32"	1 15/16"
WA07-6165 Left Hand	BUDD® X-2054 EUCLID® E-5931L FREIGHTLINER® 11-9714-11	4 1/2"	2 3/8"	1 1/32"	1 15/16"
WA07-7382 Right Hand	EUCLID® E-5989R WEBB® 183102	4 29/32"	3 3/8"	1 55/64"	1 23/64"
WA07-6345 Left Hand	EUCLID® E-5989L WEBB® 183101	4 29/32"	3 3/8"	1 55/64"	1 23/64"
WA07-7231 Right Hand	BUDD® X-2055 EUCLID® E-5929R FREIGHTLINER® 11-9714-16	5 3/16"	3"	1 5/16"	2"
WA07-7232 Left Hand	BUDD® X-2056 EUCLID® E-5929L FREIGHTLINER® 11-9714-15	5 3/16"	3"	1 5/16"	2"
WA07-7233 Right Hand	BUDD® X-1592 BUDD® 95691 EUCLID® E-5933R FREIGHTLINER® 11-9714-1	5 1/4"	2 7/8"	1 3/8"	2 1/4"
WA07-7234 Left Hand	BUDD® X-1593 BUDD® 95692 EUCLID® E-5933L FREIGHTLINER® 11-9714-0	5 1/4"	2 7/8"	1 3/8"	2 1/4"

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LONGER CAP NUT END FOR ALUMINUM WHEELS

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7235 Right Hand	BUDD® X-2057 EUCLID® E-5930R FREIGHTLINER® 11-9714-14	5 9/16"	3 3/8"	1 3/4"	2"
WA07-7236 Left Hand	BUDD® X-2058 EUCLID® E-5930L FREIGHTLINER® 11-9714-13	5 9/16"	3 3/8"	1 3/4"	2"
WA07-7237 Right Hand	BUDD® X-2061 EUCLID® E-5934R FREIGHTLINER® 11-9714-18	5 11/16"	2 3/4"	1 11/16"	2 3/4"
WA07-7238 Left Hand	BUDD® X-2062 EUCLID® E-5934L FREIGHTLINER® 11-9714-17	5 11/16"	2 3/4"	1 11/16"	2 3/4"



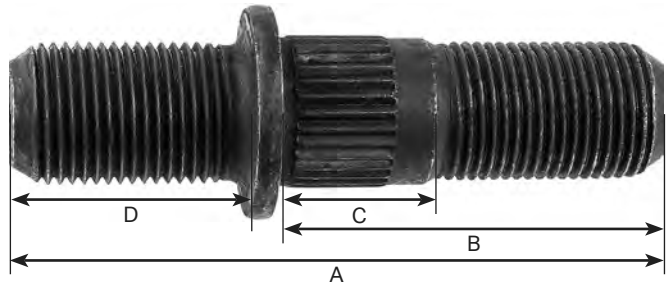
3/4"-16 THREAD, BOTH ENDS
SERRATIONS UNDER SHOULDER FOR MACK®
BODY DIAMETER: .783-.786

SHOULDER STUDS FOR DISC WHEELS

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6162 Right Hand	EUCLID® MACK® 18AX926	4 1/16"	2 9/16"	1"	1 11/32"
WA07-6163 Left Hand	EUCLID® MACK® 18AX927	4 1/16"	2 9/16"	1"	1 11/32"



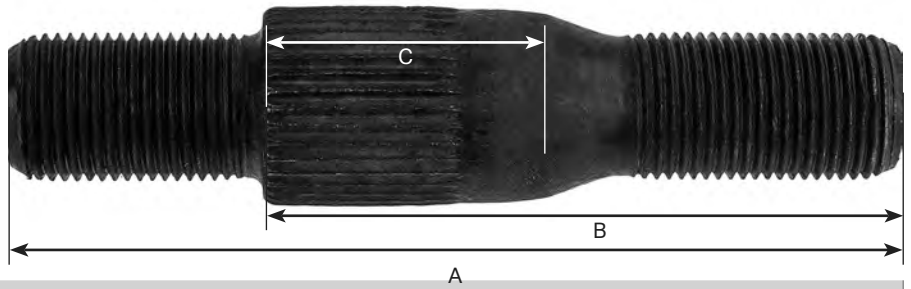
SHOULDER STUDS



3/4"-16 THREAD, BOTH ENDS
 SERRATIONS UNDER SHOULDER
 ROUND SHOULDER
 BODY DIAMETER: .783-.786

SHOULDER STUDS FOR DISC WHEELS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7179 Right Hand	BUDD® 75931 EUCLID® E-5713R	3 13/32"	2 1/16"	27/32"
WA07-6041 Left Hand	BUDD® 75932 EUCLID® E-5713L	3 13/32"	2 1/16"	27/32"
WA07-6042 Right Hand	BUDD® 82581 EUCLID® E-5714R	3 5/8"	2 9/32"	1 1/16"
WA07-6300 Left Hand	BUDD® 82582 EUCLID® E-5714L	3 5/8"	2 9/32"	1 1/16"
WA07-7272 Right Hand	BUDD® 63385 EUCLID® E-5715R	4"	2 9/16"	1 5/16"
WA07-7273 Left Hand	BUDD® 63386 EUCLID® E-5715L	4"	2 9/16"	1 5/16"
WA07-7181 Right Hand	BUDD® 80697 EUCLID® E-5716R	4 11/32"	3"	1 29/32"
WA07-7182 Left Hand	BUDD® 80698 EUCLID® E-5716L	4 11/32"	3"	1 29/32"
WA07-7274 Right Hand	BUDD® 69205 EUCLID® E-5717R	4 17/32"	3"	1 15/16"
WA07-7275 Left Hand	BUDD® 69206 EUCLID® E-5717L	4 17/32"	3"	1 15/16"
WA07-6046 Right Hand	BUDD® 83812 EUCLID® E-5589R	4 5/8"	3 9/32"	2"
WA07-6301 Left Hand	BUDD® 83813 EUCLID® E-5589L	4 5/8"	3 9/32"	2"
WA07-6246 Right Hand	BUDD® 101321 EUCLID® E-8948R	4 7/8"	3 17/32"	2"
WA07-6247 Left Hand	BUDD® 101322 EUCLID® E-8948L	4 7/8"	3 17/32"	2"



3/4" - 16 THREAD, BOTH ENDS
BODY DIAMETER: .971 - .975

SERRATED STUDS FOR ALUMINUM HUBS

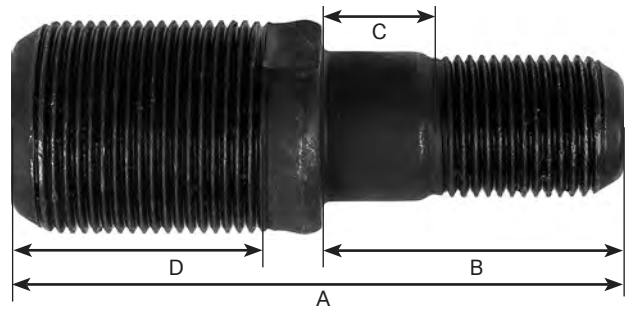
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-7191 Right Hand	EUCLID® E-5758R MERITOR® 20X244	4 21/32"	3 5/16"	1 15/32"
WA07-7192 Left Hand	EUCLID® E-5758L MERITOR® 20X245	4 21/32"	3 5/16"	1 15/32"
WA07-7193 Right Hand	EUCLID® E-5763R MERITOR® 20X242	4 13/16"	3 15/32"	1 15/32"
WA07-7194 Left Hand	EUCLID® E-5763L MERITOR® 20X243	4 13/16"	3 15/32"	1 15/32"
WA07-7195 Right Hand	EUCLID® MERITOR® 20X234	5 5/16"	3 31/32"	1 15/16"
WA07-6346 Left Hand	EUCLID® MERITOR® 20X235	5 5/16"	3 31/32"	1 15/16"



3/4" - 16 THREAD, WHEEL END
7/8" THREAD, HUB END
BODY DIAMETER: .971 - .975

SERRATED STUDS FOR BUS AND FRONT END

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7258 Right Hand	EUCLID® E-5920R MERITOR® 20X1228	4"	2 3/32"	1 1/4"	1 7/16"
WA07-6177 Left Hand	EUCLID® E-5920L MERITOR® 20X1227	4"	2 3/32"	1 1/4"	1 7/16"
WA07-7259 Right Hand	EUCLID® E-5919R MERITOR® 20X436	4 1/4"	2 13/32"	1 9/16"	1 7/16"
WA07-7260 Left Hand	EUCLID® E-5919R MERITOR® 20X243	4 1/4"	2 13/32"	1 9/16"	1 7/16"



1 1/8" - 16 THREAD, WHEEL END
 3/4" - 16 THREAD, HUB END
 BODY DIAMETER: .783" - .786"
 GRADE 8

BUS TYPE SHOULDER STUDS WITH FLATS

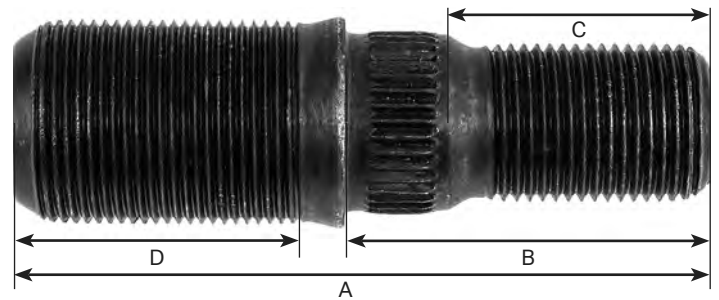
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-5152 Right Hand	BUDD® 32309 EUCLID® E-3723R MACK® 11AX1130	3 3/16"	1 9/32"	17/32"	1 13/32"
WA07-6118 Left Hand	BUDD® 32310 EUCLID® E-3723L MACK® 11AX1131	3 3/16"	1 9/32"	17/32"	1 13/32"
WA07-7176 Right Hand	BUDD® 31703 EUCLID® E-3725R	3 21/32"	2 1/16"	31/32"	1 13/32"
WA07-7183 Left Hand	BUDD® 31704 EUCLID® E-3725L	3 21/32"	2 1/16"	31/32"	1 13/32"
WA07-7239 Right Hand	BUDD® 95711 EUCLID® E-5935R	3 3/4"	1 7/8"	25/32"	1 11/16"
WA07-7240 Left Hand	BUDD® 95712 EUCLID® E-5935L	3 3/4"	1 7/8"	25/32"	1 11/16"
WA07-7241 Right Hand	BUDD® 95707 EUCLID® E-5936R	3 15/16"	2 1/16"	31/32"	1 11/16"
WA07-7242 Left Hand	BUDD® 95708 EUCLID® E-5936L	3 15/16"	2 1/16"	31/32"	1 11/16"
WA07-7174 Right Hand	BUDD® 45631 EUCLID® E-3727R	4 1/32"	2 7/16"	1 5/16"	1 13/32"
WA07-7175 Left Hand	BUDD® 45632 EUCLID® E-3727L	4 1/32"	2 7/16"	1 5/16"	1 13/32"
WA07-7243 Right Hand	BUDD® 90217 EUCLID® E-5937R	4 1/4"	2 7/16"	1 7/32"	1 5/8"
WA07-7244 Left Hand	BUDD® 90218 EUCLID® E-5937L	4 1/4"	2 7/16"	1 7/32"	1 5/8"

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BUS TYPE SHOULDER STUDS WITH FLATS

(CONTINUED)

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7165 Right Hand	BUDD® 35089 EUCLID® E-3728R	4 11/32"	2 3/4"	1 23/32"	1 13/32"
WA07-7169 Left Hand	BUDD® 35090 EUCLID® E-3728L	4 11/32"	2 3/4"	1 23/32"	1 13/32"
WA07-7288 Right Hand	EUCLID® E-5990R FREIGHTLINER® 10-9607-0	4 9/16"	2 3/4"	1 37/64"	1 1/2"
WA07-7289 Left Hand	EUCLID® E-5937L FREIGHTLINER® 10-9607-1	4 9/16"	2 3/4"	1 37/64"	1 1/2"
WA07-7184 Right Hand	BUDD® 36757 EUCLID®	5 15/32"	3 7/8"	2 7/8"	1 13/32"
WA07-7185 Left Hand	BUDD® 36758 EUCLID®	5 15/32"	3 7/8"	2 7/8"	1 13/32"

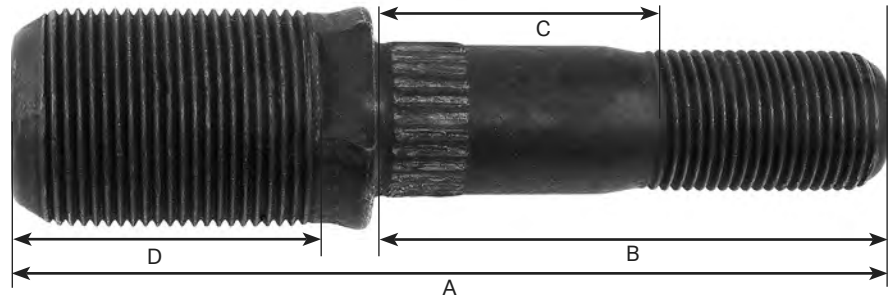


1 1/8" - 16 THREAD, WHEEL END
 7/8" - 14 THREAD, HUB END
 BODY DIAMETER: .971 - .975

SERRATED STUDS FOR BUS AND FRONT END

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7254 Right Hand	EUCLID® E-5921R MERITOR® 20X1240	3 5/8"	1 7/8"	1 11/16"	1 15/32"
WA07-7255 Left Hand	EUCLID® E-5921L MERITOR® 20X1239	3 5/8"	1 7/8"	1 11/16"	1 15/32"
WA07-7256 Right Hand	EUCLID® E-5922R MERITOR® 20X1242	4"	2"	1 3/16"	1 3/4"
WA07-7257 Left Hand	EUCLID® E-5922L MERITOR® 20X1241	4"	2"	1 3/16"	1 3/4"

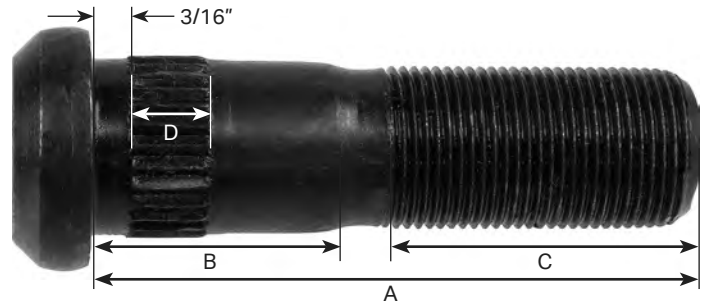
SERRATED STUDS



1 1/8" - 16 THREAD, WHEEL END
 3/4" - 16 THREAD, HUB END
 BODY DIAMETER: .783 - .786
 SERRATED DIAMETER: .810" - .820"

BUS TYPE SHOULDER STUDS WITH FLATS AND SERRATIONS ON BODY

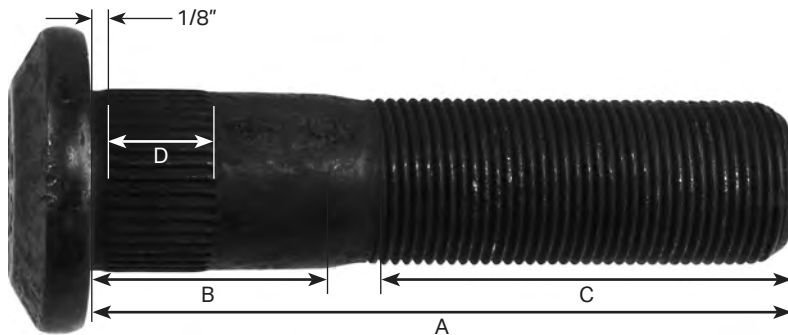
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7299 Right Hand	COMMET® 100344 EUCLID® E-8951R	4 9/16"	2 3/4"	1 7/32"	1 13/16"
WA07-7300 Left Hand	CONMET® 100343 EUCLID® E-8951L	4 9/16"	2 3/4"	1 7/32"	1 13/16"



METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: .900-.903
 SERRATED DIAMETER: .935-.944
 GRADE 10.9
 USE METRIC NUT: WA07-5035

BUDD® UNIMOUNT SYSTEM

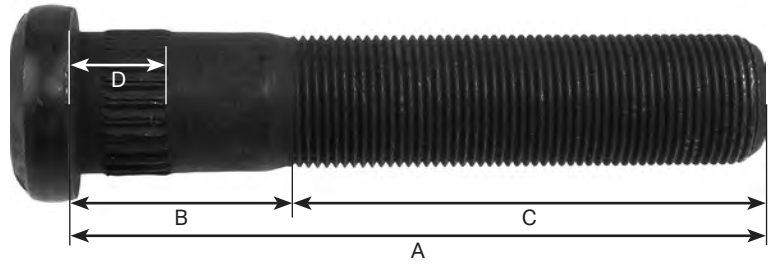
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6188	BUDD® 106377 EUCLID® E-5998	3 5/32"	1 7/32"	1 5/8"	13/32"
WA07-5200	BUDD® 106216 EUCLID® E-5997	3 21/32"	1 7/32"	2 1/8"	13/32"
WA07-5201	BUDD® 106397 EUCLID® E-5999	4 29/64"	1 7/32"	2 29/32"	13/32"



METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: .908-.912
 SERRATED DIAMETER: .929-.937
 GRADE 10.9

CON-MET® ALUMINUM HUB

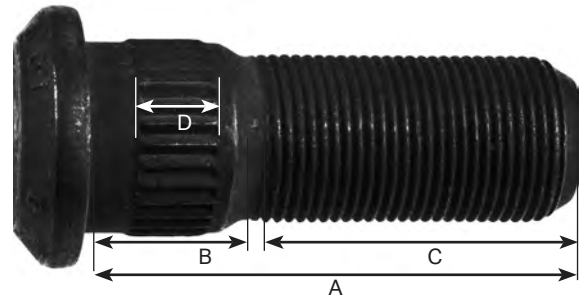
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6114	CON-MET® 103193 EUCLID® E-10222	3 21/32"	1 7/32"	2 3/32"	1/2"
WA07-7405	CON-MET® 102033 EUCLID® E-10218	3 31/32"	1 9/16"	2 1/16"	1/2"
WA07-5506	CON-MET® 102188 EUCLID® E-10215	4 3/32"	1 1/16"	2 11/32"	1/2"
WA07-7406	CON-MET® 103431 EUCLID® E-10223	4 5/32"	1 9/16"	2 1/4"	1/2"
WA07-6083	CON-MET® 102290 EUCLID® E-10219	4 1/2"	1 9/16"	2 19/32"	1/2"
WA07-5507	CON-MET® 102189 EUCLID® E-10216	4 9/16"	1 1/16"	2 13/16"	1/2"
WA07-5508	CON-MET® 102190 EUCLID® E-10217	4 15/16"	1 1/16"	3 3/16"	1/2"
WA07-5509	CON-MET® 102291 EUCLID® E-10221	5"	1 9/16"	3 3/32"	1/2"
WA07-5202	CON-MET® 102292 EUCLID® E-1022	5 5/16"	1 9/16"	3 13/32"	1/2"



METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: .971" - .975"
 SERRATED DIAMETER: 1.001" - 1.005"
 GRADE 10.9

DAYTON® METRIC WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-7290 USED WITH STEEL WHEELS	EUCLID® E-9837	3 5/8"	7/8"	3 3/4"	3/8"
WA07-7291 USED WITH ALUMINUM WHEELS		4 7/8"	7/8"	3 3/4"	3/8"
WA07-5203	EUCLID® E-10675 GUNITE® W-1324	3 1/2"	21/32"	2 5/8"	1/2"
WA07-6085	EUCLID® E-8988 GUNITE® W-1246	3 11/16"	7/8"	2 11/32"	1/2"
WA07-5204	EUCLID® E-8981 GUNITE® W-1164	4"	3/4"	2 7/8"	1/2"
WA07-6087	EUCLID® E-8989 GUNITE® W-1249	4 1/4"	1 1/16"	2 7/8"	1/2"
WA07-6088	EUCLID® E-10676 GUNITE® W-1327	4 1/4"	21/32"	3 1/4"	1/2"
WA07-6116	EUCLID® E-10241 GUNITE® K233-468	4 3/8"	1 3/8"	2 3/8"	1"
WA07-5205	EUCLID® E-8980 GUNITE® W-1160	5 3/32"	7/8"	3 3/4"	1/2"
WA07-5114	EUCLID® E-8987 GUNITE® W-1211	5 3/16"	1 1/16"	3 23/32"	1/2"



METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: .973-.977
 SERRATED BODY DIAMETER: 1.000-1.015
 GRADE 10.9
 USE METRIC NUT: WA07-5036

WEBB® METRIC WHEEL STUDS

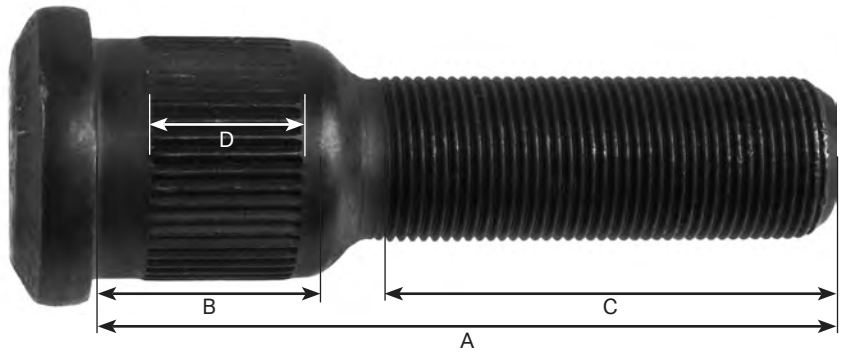
WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6089	EUCLID® E-9009 WEBB® 101166	2 9/16"	23/32"	1 11/16"	3/8"
WA07-5374	EUCLID® E-6036 WEBB® 101164	3 1/2"	23/32"	2 1/4"	3/8"
WA07-5038	EUCLID® E-6035 WEBB® 101162	3 15/16"	23/32"	2 11/16"	3/8"
WA07-6090	EUCLID® E-9526 WEBB® 101161	4 5/16"	23/32"	3 1/16"	3/8"
WA07-5039	EUCLID® E-6034 WEBB® 101160	4 25/32"	23/32"	3 17/32"	3/8"



METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: .982
 SERRATED BODY DIAMETER: 1.001
 GRADE 10.9

METRIC WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6351	EUCLID® E-8960 FORD® EHZ1107A	3 7/16"	2"	1"	1/2"
WA07-6352	EUCLID® E-8991 MACK® 5000-438684	3 15/32"	1 13/16"	1 3/32"	11/32"

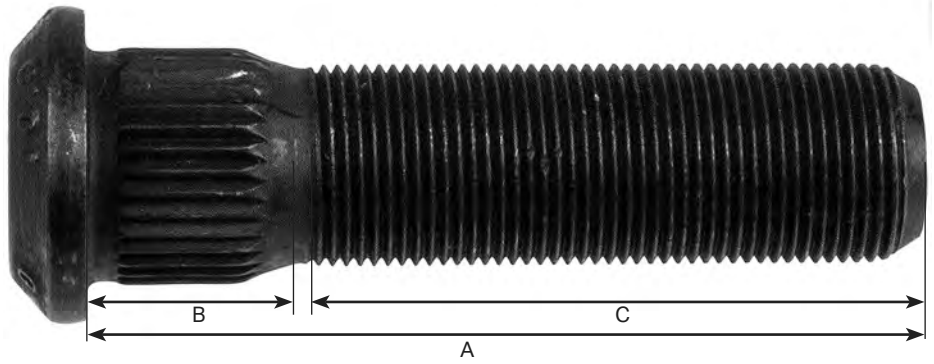


METRIC M22X1.5 THREAD
 HEADED STUD, SERRATED BODY
 BODY DIAMETER: 1.218-1.222
 SERRATED BODY DIAMETER: 1.244-1.252
 GRADE 10.9

GUNITE® METRIC WHEEL STUDS

WORLD AMERICAN PART #	REPLACES	A	B	C	D
WA07-6091	EUCLID® N/A GUNITE® W-1202	3 7/8"	1 3/16"	2 11/32"	3/4"
WA07-7301	EUCLID® N/A PACCAR® 12452-106	3 7/8"	2 5/16"	2 1/16"	1/2"
WA07-6350	EUCLID® N/A PACCAR® 02-02145	4"	1 3/16"	2 1/4"	1/2"
WA07-7302	EUCLID® N/A MOTORWHEEL® 90092	4 1/8"	1 7/8"	2 1/8"	1"
WA07-6093	EUCLID® E-8986 GUNITE® W-1205	4 13/32"	1 3/16"	2 7/8"	3/4"
WA07-7303	EUCLID® N/A PACCAR® 12452-102	4 9/16"	1 5/16"	3"	1/2"

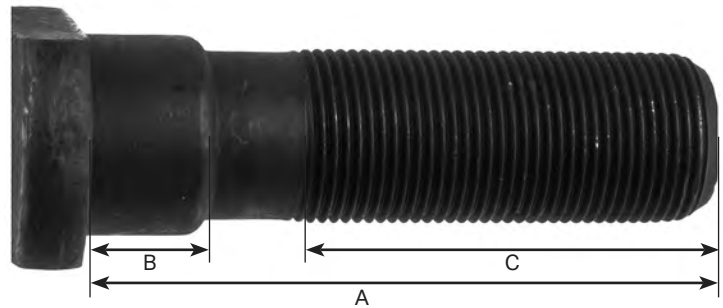




M22X1.5 THREAD
 BODY DIAMETER: .908"-.912"
 GRADE 10.9

METRIC CLIPPED HEAD STUDS

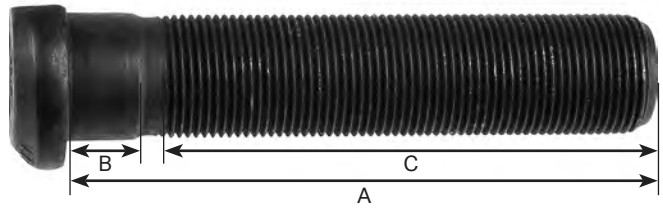
WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-5303	CONMET® 101151 EUCLID® E-6029A WEBB® 89983	4 3/8"	1 19/64"	2 1/2"
WA07-6094	EUCLID® E-8997 MOTORWHEEL® 89620	4 25/32"	5/8"	3 3/4"
WA07-7287	CONMET® 101171 EUCLID® E-6001A MOTORWHEEL® 89774	4 31/32"	1 19/64"	3 1/4"
WA07-7304	CONMET® 101150 EUCLID® E-6030A	5 1/4"	1 19/64"	3 11/32"



M22X1.5 THREAD
 BODY DIAMETER: .980-.983
 GRADE 10.9

MOTOR WHEEL - CLIPPED HEAD STUDS

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6190	EUCLID® E-5994 MOTORWHEEL® 88808	3 1/4"	43/64"	2 1/4"
WA07-7279	EUCLID® E-5992A MOTORWHEEL® 88836 TRAILMOBILE® 7007-267	3 7/16"	23/32"	2 7/16"
WA07-6192	EUCLID® E-5993 MOTORWHEEL® 88799	4 1/8"	23/32"	3 1/16"



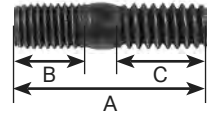
M22X1.5 THREAD
 BODY DIAMETER: .888
 GRADE 10.9

METRIC "D" HEAD CLIPPED STUD

WORLD AMERICAN PART #	REPLACES	A	B	C
WA07-6353	EUCLID® E-10256	3 3/8"	1/2"	2 1/2"
WA07-6319	EUCLID® E-10257	4 3/16"	1/2"	3 5/16"

METRIC WHEEL STUDS

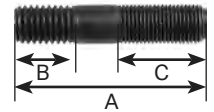
GENERAL PURPOSE HIGH TENSILE STUDS



USE THESE DIMENSIONS
FOR MEASURING STUDS.

1/4" X 1/4" DIA. GENERAL PURPOSE HIGH TENSILE STUDS

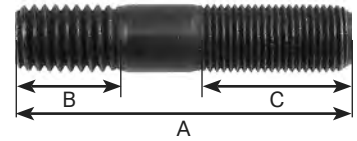
WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7322		1"	1/4"-28	3/8"	1/4"-20	7/16"
WA07-7323		1 1/4"	3/4"-16	1 7/8"	1/4"-20	1/2"
WA07-7430		2 1/2"	1/4"-28	1 7/8"	1/4"-20	3/8"



USE THESE DIMENSIONS
FOR MEASURING STUDS.

5/16" X 5/16" DIA. GENERAL PURPOSE HIGH TENSILE STUDS

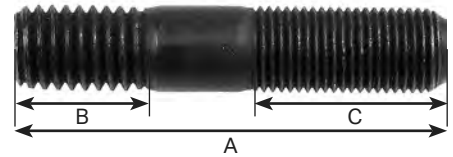
WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7324		1"	5/16"-24	7/16"	5/16"-18	3/8"
WA07-7325		1 1/4"	5/16"-24	3/4"	5/16"-18	9/16"
WA07-7327		1 1/2"	5/16"-24	7/8"	5/16"-18	7/16"
WA07-7326		2"	5/16"-24	1"	5/16"-18	9/16"



USE THESE DIMENSIONS
FOR MEASURING STUDS.

3/8" X 3/8" DIA. GENERAL PURPOSE HIGH TENSILE STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7330		1 3/4"	3/8"-16	7/8"	3/8"-16	5/8"
WA07-7331		2"	3/8"-16	1"	3/8"-16	3/4"
WA07-7329		2 3/4"	3/8"-24	1 11/16"	3/8"-16	5/8"



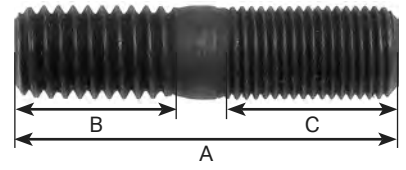
USE THESE DIMENSIONS
FOR MEASURING STUDS.

7/16" X 7/16" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7333		2 1/4"	7/16"-20	1 1/16"	7/16"-14	13/16"

WHERE QUALITY MEETS VALUE

www.WorldAmerican.com



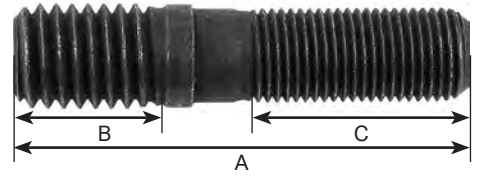
USE THESE DIMENSIONS FOR MEASURING STUDS.

1/2" X 1/2" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7334		2"	1/2"-20	15/16"	1/2"-13	13/16"
WA07-7335		2 1/4"	1/2"-20	1"	1/2"-13	3/4"
WA07-7336		2 1/4"	1/2"-20	1 5/16"	1/2"-13	11/16"
WA07-6018		2 1/2"	1/2"-20	1 1/8"	1/2"-13	3/4"
WA07-7337		2 3/4"	1/2"-20	1 5/8"	1/2"-13	3/4"
WA07-7338		3"	1/2"-20	2"	1/2"-13	13/16"
WA07-7339		3"	1/2"-20	1 7/8"	1/2"-13	5/8"
WA07-7340		3 1/2"	1/2"-20	2 1/4"	1/2"-13	15/16"

GENERAL PURPOSE STUDS

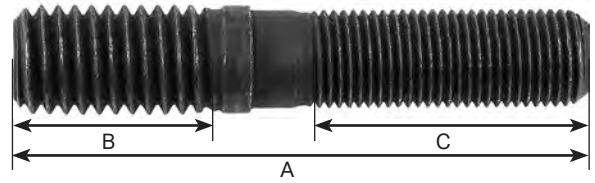




USE THESE DIMENSIONS FOR MEASURING STUDS.

1/2" X 9/16" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7341		2 3/8"	1/2"-20	1 1/16"	9/16"-12	7/16"
WA07-7342		3"	1/2"-20	1 7/8"	9/16"-12	5/8"

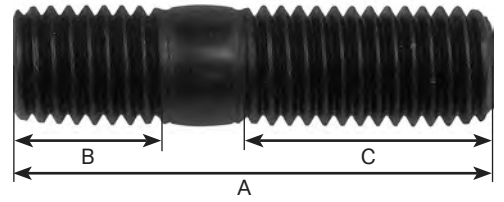


USE THESE DIMENSIONS FOR MEASURING STUDS.

1/2" X 5/8" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7343		3"	1/2"-20	1 5/8"	5/8"-11	1"
WA07-7344		2 1/2"	9/16"-18	1 3/8"	9/16"-12	15/16"
WA07-7345		2 3/4"	9/16"-18	1 9/16"	9/16"-12	13/16"
WA07-7346		3 1/4"	9/16"-18	2"	9/16"-12	7/8"

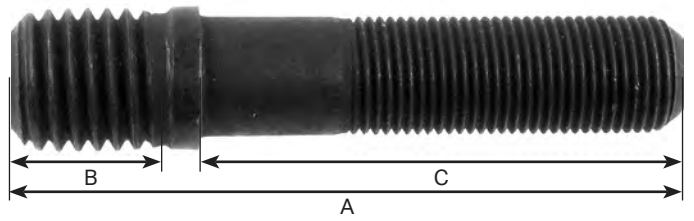




USE THESE DIMENSIONS FOR MEASURING STUDS.

5/8" X 5/8" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7347		2 1/2"	5/8"-11	1 1/4"	5/8"-11	3/4"
WA07-7348		2 5/8"	5/8"-18	1 3/16"	5/8"-11	1"
WA07-7349		2 3/4"	5/8"-18	1 1/2"	5/8"-11	15/16"
WA07-7350		3"	5/8"-18	1 3/4"	5/8"-11	15/16"
WA07-7351		3 1/2"	5/8"-18	1 11/16"	5/8"-11	1"

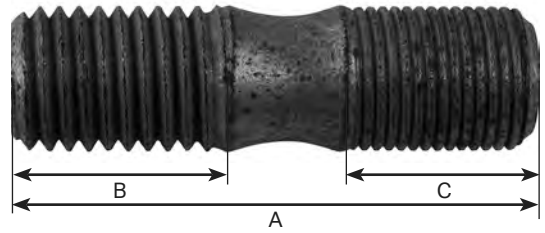


USE THESE DIMENSIONS FOR MEASURING STUDS.

5/8" X 3/4" DIA. STUDS

WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7352		3 1/2"	5/8"-18	1 11/16"	3/4"-10	7/8"

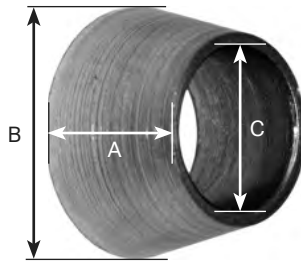
GENERAL PURPOSE STUDS



USE THESE DIMENSIONS FOR MEASURING STUDS.

3/4" X 3/4" DIA. STUDS

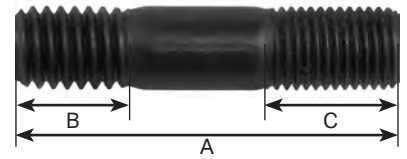
WORLD AMERICAN PART #	REPLACES	A LENGTH	B THREAD	B LENGTH	C THREAD	C LENGTH
WA07-7353		2 3/4"	3/4"-16	1 1/2"	3/4"-10	1"
WA07-6136		3 1/4"	3/4"-16	1 7/8"	3/4"-10	1"



DRIVE FLANGE WEDGES

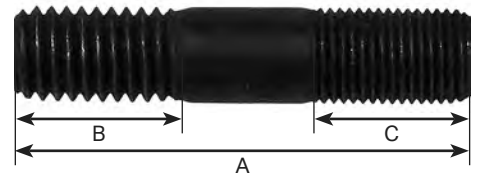
WORLD AMERICAN PART #	REPLACES GMC®	REPLACES IHC®	REPLACES MERITOR®	REPLACES EUCLID®	A	B	C
WA07-5080		72342R1	1246-Z-234	E-5952	7/16"	11/16"	13/32"
WA07-6022				E-5736	7/16"	3/4"	5/16"
WA07-5077	2124231	974272R1	1246-X-232	E-5737	7/16"	3/4"	13/32"
WA07-6019	3651372			E-5738	7/16"	13/16"	11/32"
WA07-6020				E-5739	1/2"	13/16"	5/16"
WA07-5078	97242R1		1246-T-306	E-5740	1/2"	13/16"	13/32"
WA07-5081	652328	40377-V	1246-B-28	E-5957	1/2"	7/8"	15/32"
WA07-6021				E-5742	9/16"	7/8"	3/8"
WA07-5079	2019573	141316H	1246-Y-233	E-5743	5/8"	1"	15/32"
WA07-5082	2231319	54700R1	1246-D-290	E-5960	5/8"	1"	9/16"

DRIVE FLANGE STUDS



7/16" DRIVE FLANGE STUDS

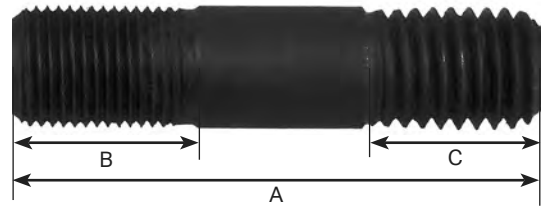
WORLD AMERICAN PART #	REPLACES	A	B	B LENGTH	C	C LENGTH
WA07-6179	BUDD® 18560 EUCLID® E-5792	2"	7/16"-20	5/8"	7/16"-14	1/2"
WA07-6180	BUDD® 42793 KELSEY® WP-28 MERITOR® SC-718	2 3/16"	7/16"-20	15/16"	7/16"-14	9/16"



1/2" DRIVE FLANGE STUDS

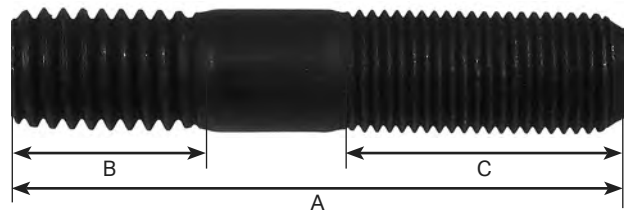
WORLD AMERICAN PART #	REPLACES	A	B	B LENGTH	C	C LENGTH
WA07-6182	BUDD® 37181 BUDD® 44577 EUCLID® E-5798 MERITOR® SC-819	2 3/8"	1/2"-20	13/16"	1/2"-13	13/16"
WA07-6183	EUCLID® E-5799 KELSEY® WP-81 WEBB® 152026	2 9/16"	1/2"-20	15/16"	1/2"-13	1 1/16"
WA07-5206	EUCLID® N/A GMC® 2216914 MW® 85521	2 7/8"	1/2"-20	15/16"	1/2"-13	7/8"





5/8" DRIVE FLANGE STUDS

WORLD AMERICAN PART #	REPLACES	A	B	B LENGTH	C	C LENGTH
WA07-5207	BUDD® 63606 EUCLID® E-5800 IHC® 119345H KELSEY® WP-174	2 3/4"	5/8"-18	1"	5/8"-11	1"
WA07-6178	EUCLID® E-5731 MACK® 18AX970	3"	5/8"-18	7/8"	5/8"-18	1 1/2"
WA07-5208	BUDD® 48966 EUCLID® E-5801	3 1/16"	5/8"-18	1 1/16"	5/8"-11	1 1/8"
WA07-6181	EUCLID® E-5751 MACK® 18AX971	3 1/2"	5/8"-18	7/8"	5/8"-18	1 7/16"
WA07-5209	EUCLID® E-5872 MW® 86478 MERITOR® 4X1027	3 11/16"	5/8"-18	1 1/8"	5/8"-11	1 9/16"



3/4" DRIVE FLANGE STUDS

WORLD AMERICAN PART #	REPLACES	A	B	B LENGTH	C	C LENGTH
WA07-6185	EUCLID® E-5955 IHC® 61142H	3 3/16"	3/4"-16	1 1/8"	3/4"-10	1"
WA07-6186	BUDD® 37179 BUDD® 49321 EUCLID® E-4960 IHC® 55585H KELSEY® WP-39 MERITOR® 4X1207	3 3/4"	3/4"-16	1 9/16"	3/4"-10	1 1/8"

STUD INSTALLERS



WORLD AMERICAN PART #	DESCRIPTION
WA13-SI5811	5/8"-11, STUD INSTALLER
WA13-SI5818	5/8"-18, STUD INSTALLER
WA13-SI3410	3/4"-10, STUD INSTALLER
WA13-SI3416	3/4"-16, STUD INSTALLER

STUD REMOVERS



WORLD AMERICAN PART #	DESCRIPTION
WA13-SR58	5/8", STUD REMOVER
WA13-SR34	3/4", STUD REMOVER
WA13-SR112	1 1/2", STUD REMOVER

DIGITAL ANGLE GAUGE



WORLD AMERICAN PART #	DESCRIPTION
WA13-5837	DIGITAL GAUGE USE TO ALIGN TRAILER WALLS - NUMEROUS OTHER USES RANGE: +/- 180 DEGREES RESOLUTION: 0.1 DEGREES ACCURACY: +/- 0.2 DEGREES REPEATABILITY: +/- 0.1 DEGREES BATTERY: 1 AAA (AUTO SHUT OFF FOR EXTENDED BATTERY LIFE & BACKLIGHT FOR EASY VIEWING)

WHEEL CHOCKS



WORLD AMERICAN PART #	DESCRIPTION
WA14-5025	HEAVY DUTY CHOCK, LARGE ZINC-PLATED EYE-BOLT, NON-SKID BOTTOM (7LBS., 8"D x 10"L x 6"H)
WA14-5026	HEAVY DUTY CHOCK, LARGE ZINC-PLATED EYE-BOLT, NON-SKID BOTTOM (9LBS., 8"D x 9 1/2"L x 5 3/4"H)



REFLECTOR KIT

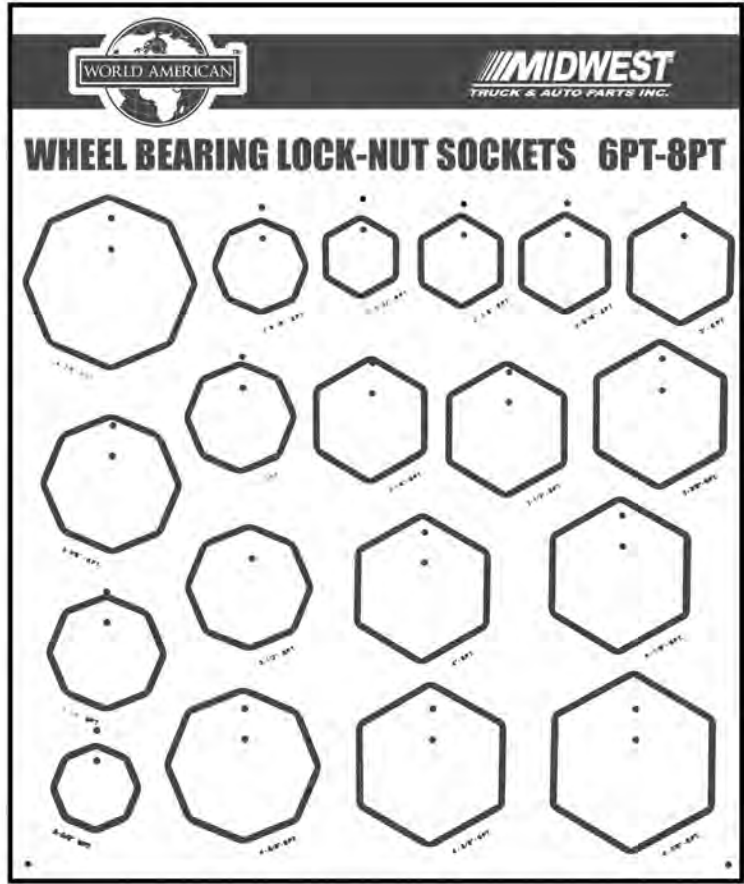
WORLD AMERICAN PART #	DESCRIPTION	REPLACES
WA-REFLECTOR	3-PIECE TRIANGLE REFLECTOR KIT W/CASE	IMX1005 1005



ALUMINUM MANIFEST BOX

WORLD AMERICAN PART #	DESCRIPTION
WA14-5019	SIZE: 13"L x 8"W x 1-1/2"DEEP NOTE: MOUNTS DIRECTLY TO TRAILER. KEEPS RECORDS WITH CARGO. CAN BE LOCKED TO SAFEGUARD RECORDS.

INCLUDES HOOKS	
SOCKET BOARD	
WORLD AMERICAN PART #	DESCRIPTION
WA13-0000	BOARD AND HOOKS ONLY
WA13-0001	BOARD, HOOKS AND COMPLETE SET OF 19 SOCKETS: 1 - WA13-1901 1 - WA13-1902 1 - WA13-1903 1 - WA13-1904 1 - WA13-1905 1 - WA13-1906 1 - WA13-1907 1 - WA13-1908 1 - WA13-1909 1 - WA13-1910 1 - WA13-1911 1 - WA13-1912 1 - WA13-1913 1 - WA13-1914 1 - WA13-1915 1 - WA13-1916 1 - WA13-1917 1 - WA13-1918 1 - WA13-1919
WA13-0002	BOARD, HOOKS AND INCLUDES THE 10 MOST POPULAR SOCKETS: 1 - WA13-1902 1 - WA13-1904 1 - WA13-1906 1 - WA13-1909 1 - WA13-1910 1 - WA13-1913 1 - WA13-1914 1 - WA13-1915 1 - WA13-1917 1 - WA13-1919



How to Identify axle nut sockets

- ALL WITH 3/4" DRIVE
- 6 POINT



3/4" DRIVE SQUARE OPENING
ALL SOCKETS MEASURED INSIDE FLAT-TO-FLAT
6 POINT SOCKETS

- 8 POINT



3/4" DRIVE SQUARE OPENING
ALL SOCKETS MEASURED INSIDE FLAT-TO-FLAT
8 POINT SOCKETS

ALL SOCKETS MEASURED
INSIDE FLAT-TO-FLAT
6 POINT SOCKETS

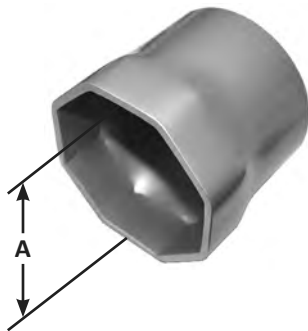
3/4" DRIVE SQUARE OPENING



A = OPENING SIZE	WORLD AMERICAN PART #	OTC®	EUCLID®
2 3/32"	WA13-1901	1901	E-1901
2 1/4"	WA13-1920	1920	E-1920
2 3/8"	WA13-1902	1902	E-1902
2 3/8"	WA13-1936	1936	E-1936
2 1/2"	WA13-1921	1921	E-1921
2 9/16"	WA13-1904	1904	E-1904
2 9/16"	WA13-1928	1928	E-1928
2 5/8"	WA13-1922	1922	E-1922
2 3/4"	WA13-1923	1923	E-1923
2 7/8"	WA13-1932	1932	E-1932
3"	WA13-1906	1906	E-1906
3 1/8"	WA13-1934	1934	E-1934
3 1/4"	WA13-1908	1908	E-1908
3 1/2"	WA13-1910	1910	E-1910
3 3/4"	WA13-1926	1926	E-1926
3 7/8"	WA13-1912	1912	E-1912
4"	WA13-1914	1914	E-1914
4 1/8"	WA13-1915	1915	E-1915
4 3/8"	WA13-1916	1916	E-1916
4 7/8"	WA13-1918	1918	E-1918
5 1/4"	WA13-1943	1943	E-1943

ALL SOCKETS MEASURED
INSIDE FLAT-TO-FLAT
8 POINT SOCKETS

3/4" DRIVE SQUARE OPENING



A = OPENING SIZE	WORLD AMERICAN PART #	OTC®	EUCLID®
2 3/8"	WA13-1903	1903	E-1903
2 9/16"	WA13-1905	1905	E-1905
2 3/4"	WA13-1937	1937	E-1937
2 7/8"	WA13-1933	1933	E-1933
3"	WA13-1907	1907	E-1907
3 1/8"	WA13-1935	1935	E-1935
3 1/4"	WA13-1909	1909	E-1909
3 1/4" & 3 7/8"	WA13-1940	1940	E-1940
3 3/8"	WA13-1924	1924	E-1924
3 1/2"	WA13-1911	1911	E-1911
3 3/4"	WA13-1925	1925	E-1925
3 13/16"	WA13-1927	1927	E-1927
3 7/8"	WA13-1913	1913	E-1913
4 1/8"	WA13-1939	1939	E-1939
4 3/8"	WA13-1917	1917	E-1917
4 1/2"	WA13-1938	1938	E-1938
4 13/16"	WA13-1941	1941	E-1941
4 7/8"	WA13-1919	1919	E-1919

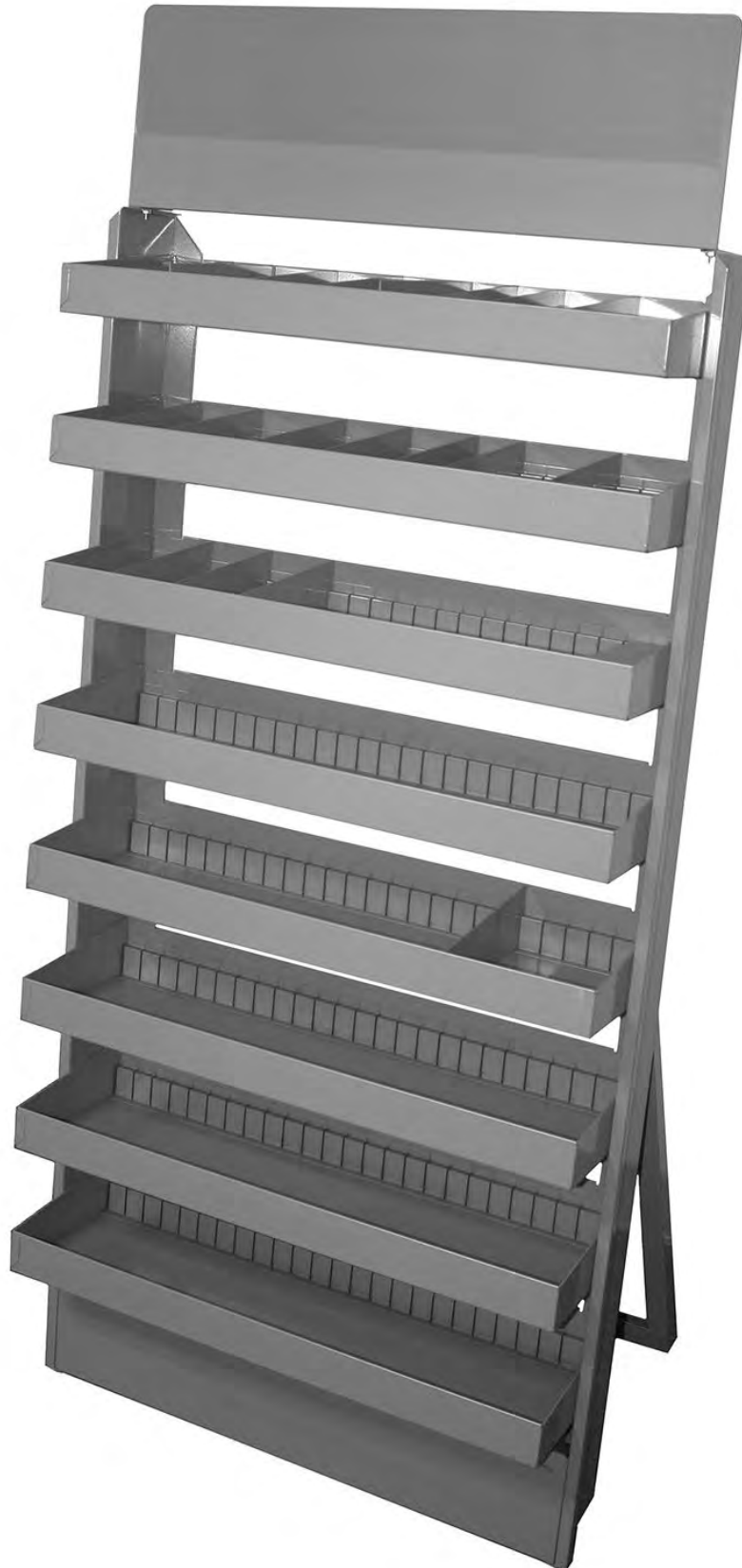
SMALL PARTS RACK

WORLD AMERICAN
PART #

DESCRIPTION

WA07-RACK

Small Parts Rack - Height 54" - Width 26"; Shipping Weight 52 lbs



SMALL PARTS RACK

AXLE SPINDLE NUTS AND WASHERS



WORLD AMERICAN PART #	REPLACES	I.D.	O.D.	THICK	APPLICATION
WA07-5090	EUCLID® E-540 DANA® 10284 DANA® M10HN158 EATON® F-1529 MERITOR® 1227-C-549	2 5/8"-16"	3 13/16"	3/8"	STANDARD INNER NUT
WA07-5091	EUCLID® E-573 DANA® 10287 DANA® M10HN100 EATON® F-1531 MERITOR® 1227-V-1660	2 41/64"	3 15/16"	1/4"	STANDARD LOCK WASHER
WA07-5092	EUCLID® E-572 DANA® 10286 EATON® F-1530 MERITOR® 1227-B-756	2 5/8"-16"	3 1/4"	3/8"	STANDARD OUTER NUT
WA07-5093	EUCLID® E-2237 DANA® M10HN151	2 41/64"	4 1/32"	1/16"	POSITION LOCK WASHER INSIDE AX-1208 NUT BEND TABS TO LOCK NUT
WA07-5094	EUCLID® E-2250 FRUEHAUF® ACE-8510-1	3 1/2"-12	4 13/16"	1 1/8"	LATE STYLE NUT FULLY THREADED
WA07-5095	EUCLID® E-1561 FRUEHAUF® AXA-0408-1	3 1/2"	5"	3/16"	HEAT TREATED
WA07-5041	EUCLID® E-1559 FRUEHAUF® AXA-0409		1/4"	1"	

EATON® 32M-MR, 34M-MF,34D-DT-RP-RT, 17800-1 AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5375 OUTER NUT	EATON® 34090 EUCLID® E-2460		2 5/8" - 12THD. 3 3/8" A.F.	1"
WA07-5217 LOCK WASHER	EATON® 30714 EUCLID® E-2461	2 5/8" I.D.	4" O.D.	3/32"
WA07-5382 INNER NUT	EATON® 19186 EUCLID® E-2462	2 5/8" - 12THD.	3 7/16" A.F.	15/32"

EATON® 28R3-RP-RT, 42R3-RP-RT, 18800, 18801-2-3 AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5377 OUTER NUT	EATON® 31926 EUCLID® E-2463	3" - 12THD.	3 13/16" A.F.	1"
WA07-5378 LOCK WASHER	EATON® 90180 EATON® E-2464	3" I.D.	4 1/2" O.D.	3/32"
WA07-5379 INNER NUT	EATON® 90229 EUCLID® E-2465	3" - 12THD.	3 13/16" A.F.	1/2"

EATON® 1911-1919, 2011, 20500-1, 19500-1-2 AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5380 OUTER NUT	EATON® 31927 EUCLID® E-2466	3 1/4" - 12THD.	4 1/16" A.F.	1"
WA07-5215 LOCK WASHER	EATON® 11245 EUCLID® E-2467	3 1/4" I.D.	4 3/4" O.D.	1/8"
WA07-5381 INNER NUT	EATON® 11249 EUCLID® E-2468	3 1/4" - 12THD.	4 1/8" A.F.	1/2"

FORD® 18,000 LB. REAR AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5382 OUTER NUT	FORD® D7HZ-4245A EUCLID® E-2462	2 5/8" - 12THD.	3 7/16" A.F.	15/32"
WA07-5217 LOCK WASHER	FORD® EQH-1124 EUCLID® E-2461	2 5/8" I.D.	4" O.D.	3/32"
WA07-5091 LOCK WASHER	FORD® 7EQ-1124A EUCLID® E-573	2 41/64" I.D.	3 15/16" O.D.	1/4"
WA07-5383 INNER NUT	FORD® D7HZ-4255A EUCLID® E-6142	2 5/8" - 12THD.	3 1/2" A.F.	3/8"

MACK® 50,000 LB. AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5384 OUTER NUT	MACK® 25QJ36 EUCLID® E-2305	3 1/4" - 12THD.	4" A.F.	1"
WA07-5385 LOCK WASHER	MACK® 23QJ201 EUCLID® E-2304	3 1/4" I.D.	4 5/16" O.D.	3/32"
WA07-5386 INNER NUT	MACK® 25QJ35 EUCLID® E-2386	3 1/4" - 12THD.	4" A.F.	3/8"

MACK® SW-56C AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5387 OUTER NUT	MACK® 21-AX-626 EUCLID® E-2419	2 7/8" - 12THD.	4 1/8" A.F.	1"
WA07-5388 LOCK WASHER	MACK® 23-QJ-125, 23-QJ-129 EUCLID® E-3505	2 7/8" I.D.	4 7/16" O.D.	1/8"
WA07-5389 INNER NUT	MACK® 25-QJ-138 EUCLID® E-3504	2 7/8" - 12THD.	4 1/8" A.F.	3/8"

NAVISTAR® 19,000-34,000 LB. AXLES, NAVISTAR AXLES: 14044, 14186, 14351



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5382 OUTER NUT	NAVISTAR® 67678R1 EUCLID® E-2462	2 5/8" - 12THD.	3 7/16" A.F.	15/32"
WA07-5391 LOCK WASHER	NAVISTAR® 470422C1 EUCLID® E-4877	2 5/8" I.D.	4 1/16" O.D.	1/8"

MERITOR® DRIVE AXLE - "F" SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5392 OUTER NUT	MERITOR® 1227-D-446 EUCLID® E-2419	2 1/2" - 16THD.	3 1/2" A.F.	5/16"
WA07-5393 LOCK WASHER	MERITOR® 1229-C-1459 EUCLID® E-2418	2 1/2" I.D.	3 3/4" O.D.	5/32"
WA07-5394 INNER NUT	MERITOR® 1227-U-515 EUCLID® E-2417	2 1/2" - 16THD.	3 1/2" A.F.	5/16"

MERITOR® DRIVE AXLE - "H" SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5395 OUTER NUT	MERITOR® 1227-T-288 EUCLID® E-2422	2 5/8" - 16THD.	3 1/2" A.F.	3/8"
WA07-5396 LOCK WASHER	MERITOR® 1229-G-1021 EUCLID® E-2421	2 5/8" I.D.	3 3/4" O.D.	3/16"
WA07-5397 INNER NUT	MERITOR® A-1227-T-540 EUCLID® E-2420	2 5/8" - 16THD.	3 1/2" A.F.	3/8"

MERITOR® DRIVE AXLE - SPECIAL "H" SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5382 OUTER NUT	MERITOR® 1227-E-1045 EUCLID® E-2462	2 5/8" - 12THD.	3 1/2" A.F.	3/8"
WA07-5396 LOCK WASHER	MERITOR® 1229-G-1021 EUCLID® E-2421	2 5/8" I.D.	3 3/4" O.D.	3/16"
WA07-5383 INNER NUT	MERITOR® 1227-Z-1040 EUCLID® E-6142	2 5/8" - 12THD.	3 1/2" A.F.	3/8"

MERITOR® DRIVE AXLE - "J" AND "L" SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5413 OUTER NUT	MERITOR® 1227-H-346 EUCLID® E-2425	3" - 12THD.	4" A.F.	3/8"
WA07-5414 LOCK WASHER	MERITOR® 1229-R-1058 EUCLID® E-2424	3" I.D.	4 1/4" O.D.	3/16"
WA07-5415 INNER NUT	MERITOR® A-1227-V-516 EUCLID® E-2423	3" - 12THD.	4" A.F.	3/8"

MERITOR® DRIVE AXLE - "Q", "R", "S" AND "T" SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5384 OUTER NUT	MERITOR® 1227-R-330 EUCLID® E-2305	3 1/4" - 12THD.	4" A.F.	3/8"
WA07-5385 LOCK WASHER	MERITOR® 1229-V-1009 EUCLID® E-2304	3 1/4" I.D.	4 5/16" O.D.	3/16"
WA07-5386 INNER NUT	MERITOR® 1227-W-517 EUCLID® E-2303	3 1/4" - 12THD.	4" A.F.	3/8"

MERITOR® DRIVE AXLE - "S", "U" AND FU900 SERIES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5399 OUTER NUT	MERITOR® 1227-P-328 EUCLID® E-2428	3 3/8" - 12THD.	4 3/8" A.F.	3/8"
WA07-5400 LOCK WASHER	MERITOR® 1229-V-48 EUCLID® E-2427	3 3/8" I.D.	4" O.D.	7/32"
WA07-5401 INNER NUT	MERITOR® 1227-A-547 EUCLID® E-2426	2 5/8" - 12THD.	4 7/8" A.F.	5/16"

MERITOR® - FD900, FD901, FD931, FE900, FF901, FF931 AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5402 OUTER NUT	ROCKWELL® 1227-B-106 EUCLID® E-2296	1 1/2" - 12THD.	2 1/4" A.F.	7/16"
WA07-5403 OUTER WASHER	ROCKWELL® 1229-F-474 EUCLID® E-2298	1 17/32" I.D.	3" O.D.	1/32"
WA07-5404 LOCK WASHER	ROCKWELL® 1229-G-475 EUCLID® E-2297	1 17/32" I.D.	3" O.D.	3/16"
WA07-5405 INNER NUT	ROCKWELL® 1227-U-541, 1227-L-194, A-1227-A-105 EUCLID® E-2299	1 1/2" - 12THD.	2 5/8" O.D.	3/8"

MERITOR® - FE970 AND "E" SERIES AXLES

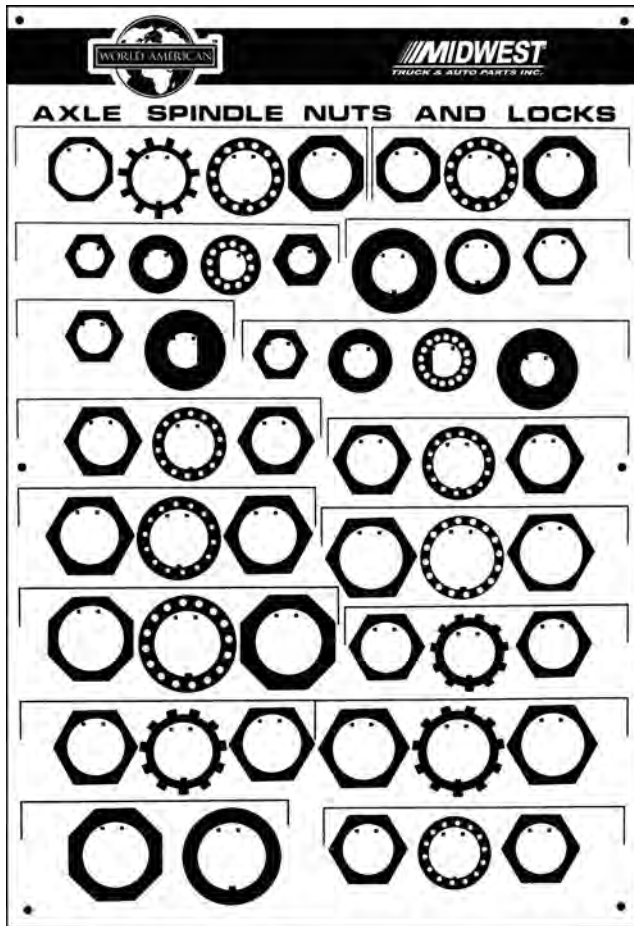


WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5406 OUTER NUT	ROCKWELL® 1227-F-162 EUCLID® E-2300	2 1/4" - 16THD.	2 7/8" A.F.	1/4"
WA07-5407 LOCK WASHER	ROCKWELL® 1229-S-721 EUCLID® E-2301	2 1/4" I.D.	3 5/16" O.D.	1/16"
WA07-5408 THRUST WASHER	ROCKWELL® 1229-H-1568 EUCLID® E-2302	2 1/4" I.D.	4 5/16" O.D.	1/4"

MERITOR® - FG900 AXLES



WORLD AMERICAN PART #	REPLACES	I.D. OR THREAD	O.D. OR A.F.	THICKNESS
WA07-5409 OUTER NUT	ROCKWELL® 1227-D-108 EUCLID® E-2658	1 3/4" - 12THD	2 1/2" A.F.	11/16"
WA07-5410 OUTER WASHER	ROCKWELL® 1229-J-478 EUCLID® E-2659	1 25/32" I.D.	3 1/4" O.D.	1/32"
WA07-5411 LOCK WASHER	ROCKWELL® 1229-H-476 EUCLID® E-2660	1 25/32" I.D.	3 1/4" O.D.	7/32"
WA07-5412 INNER NUT	ROCKWELL® A-1227-C-107 EUCLID® E-3510	1 3/4" - 12THD	3 5/16" O.D.	7/16"



HEAVY DUTY AXLE NUT & LOCKS DISPLAY

WORLD AMERICAN PART #	DESCRIPTION
WA07-0000	DISPLAY BOARD AND HOOKS ONLY
WA07-0001	<p>CONSISTS OF DISPLAY BOARD W/ HOOKS AND COMPLETE SET OF AXLE NUTS, & WASHERS LISTED:</p> <ul style="list-style-type: none"> 1 - WA07-5090 1 - WA07-5091 1 - WA07-5092 1 - WA07-5093 1 - WA07-5094 1 - WA07-5095 1 - WA07-5213 1 - WA07-5215 1 - WA07-5217 1 - WA07-5375 1 - WA07-5377 1 - WA07-5378 1 - WA07-5379 1 - WA07-5380 1 - WA07-5381 1 - WA07-5382 1 - WA07-5383 1 - WA07-5384 1 - WA07-5385 1 - WA07-5392 1 - WA07-5393 1 - WA07-5394 1 - WA07-5395 2 - WA07-5396 1 - WA07-5397 1 - WA07-5398 1 - WA07-5399 1 - WA07-5400 1 - WA07-5401 1 - WA07-5402 1 - WA07-5403 1 - WA07-5404 1 - WA07-5405 1 - WA07-5406 1 - WA07-5407 1 - WA07-5408 1 - WA07-5409 1 - WA07-5410 1 - WA07-5411 1 - WA07-5412 1 - WA07-5413 1 - WA07-5414 1 - WA07-5415 1 - WA07-6024 1 - WA07-6025 1 - WA07-6026 1 - WA07-6027 1 - WA07-6028 1 - WA07-6029



ASSORTMENT - AXLE NUT



AXLE NUTS

WORLD AMERICAN PART #	APPLICATION	REPLACES	THREAD	OUTER BEARING	USE WA# SOCKET
WA07-8050	FRUEHAUF AXLES PROPAR SERIES HENDRICKSON AXLES HP INGERSON AXLES: F24H MERITOR AXLES: TP SERIES	447-4723	3.480" - 12	HM518445/ HM518410	WA13-1941
WA07-8051	DANA SPICER AXLES: D-20, D-21, D-22, DD-21, DD-22, K-21, K-22, K-25, K30 EATON AXLES: C, C2, CD, CD2, CE, ESA-225J, EST, EST-225J, EST-230J, ETA 230C, ETA 225D, ETA 225J, H23L, H25R, HCE, HJ, HJE, J, JE, LA-15, T-18C, 20L- 77, 22L, 22R, 23L, 25R HENDRICKSON AXLES: HN INGERSOLL AXLES: A22T MERITOR AXLES: RL SERIES, RQ SERIES, TK SERIES, TKL SERIES, TKLD SERIES, TL SERIES, TLD SERIES, TN SERIES, TND SERIES, TQ SERIES, TQC SERIES, TQD SERIES STANDARD FORGE: A25, A26. 17,000 & 18,000	447-4743	2 5/8" - 16	HM212049/ HM212011	WA13-1925
WA07-8052	DANA SPICER AXLES: D10 EATON AXLES: X-115 FRUEHAUF AXLES: MODEL 5, TKF MERITOR AXLES: T-1100 STANDARD FORGE: T 8.5-S	448-4836	1 1/2" - 12	3782/3720	WA13-1921
WA07-8053	EATON AXLES: EFA-12F4, EFA-13F5, E-1200I, FE 931, 12K, 13.2K FORD AXLES: SIFCO 12,000#, FORD 6,000# MERITOR AXLES:	448-4837	1 1/2" - 18	3482/3720	WA13-1921
WA07-8054	DANA SPICER AXLES: W 230-S, W460-S EATON AXLES: D 680, D 381, D-380-P, D 381-P, D 400, D 401, D 400-P, D 401-P, D 402-P, D 451-P, D 460-P, D 485-P, DP 380, DP 381, DP 380-P, DP381-P, DP 340, DP 341, DP 400-P, DP401-P, DP 440-P, DP 460-P, DP 480-P, DP 550, DP 580-P, DP 650-P, DS 340, DS 341, DS 344, DS 380, DS 381, DS 380-P, DS 381-P, DS 400-P, DS 401-P, DS 460-P, DS 480-P, DS 454-P, DT 340, DT 341, DT 380, DT 381, DT- 380-P, DT-381-P, DT 400-P, DT 440-P, DT 460-P, DT 480-P, RS 341, RS 381, RS 402, RS 401, RS 460, RS 461, RT 402, 44, 440P, 480P, 1911, 1919, 1919, 2011, 19500, 20500, 20501 MACK AXLES: 50,000# MERITOR AXLES: Q, QHD, QHR, QT, R, RL-170, RS, RT, S, S170, S280, SQ100, SQ100-P, SQD, SQDD, SQHD, SQHP, SQHR, SQR, SQW, SR170, SR270, SR280, SRD, SRDD, SRHD, SSHD, SSHP, SP, STD, STDD, STHD, SU170, SU270, SU280, SUHD, SW170, SW270, SW 280, T, U, 58000, 59000, 200 NAVISTAR AXLES: 14227, 14308, 14309, 14311, 14338, 14342, 14943, 14348, 14364, 14364, 14368, 14494	449-4973	3 1/4" - 12	580/572	WA13-1914

SPRING CENTER BOLTS



WORLD AMERICAN PART #	REPLACES EUCLID®	THREAD	LENGTH UNDER HEAD	THREAD LENGTH	HEAD DIA.	HEAD LENGTH
WA07-5065	E-3188	3/8" - 24	8"	6"	9/16"	3/8"
WA07-5066	E-3189	7/16" - 20	8"	5 1/2"	5/8"	3/8"
WA07-5067	E-3190	7/16" - 20	12"	9 1/2"	5/8"	3/8"
WA07-5068	E-3191	1/2" - 20	6"	4"	5/8"	5/8"
WA07-5069	E-3192	1/2" - 20	8"	5 1/2"	5/8"	5/8"
WA07-5070	E-3193	1/2" - 20	8"	5 1/2"	3/4"	7/16"
WA07-5071	E-3194	1/2" - 20	8"	5 1/2"	3/4"	3/4"
WA07-5072	E-3195	1/2" - 20	10"	9 1/2"	5/8"	5/8"
WA07-5073	E-3196	1/2" - 20	12"	9 1/2"	5/8"	3/8"
WA07-5074	E-3197	1/2" - 20	12"	9 1/2"	3/4"	7/16"
WA07-5075	E-3198	1/2" - 20	12"	9 1/2"	3/4"	3/4"
WA07-5076	E-3199	5/8" - 18	10"	9 1/2"	7/8"	1/2"

HI NUTS



WORLD AMERICAN PART #	REPLACES EUCLID®	THREAD	HEX	HEIGHT
WA07-5083	E-4978	3/8" - 24	9/16"	17/32"
WA07-5084	E-4979	7/16" - 20	11/16"	19/32"
WA07-5085	E-4980	1/2" - 20	3/4"	1 1/16"
WA07-5086	E-3000	5/8" - 18	15/16"	27/32"
WA07-5087	E-3001	3/4" - 16	1 1/16"	1"
WA07-5088	E-3002-A	7/8" - 14	1 1/4"	1 5/32"
WA07-5089	E-3003	1" - 14	1 7/16"	1 5/16"

HUB CAPS, GASKETS, O RINGS



WORLD AMERICAN PART #	REPLACES	NOTES
WA14-5050	FRUEHAUF® ACC-7538-900 EUCLID® E-04075	THREAD: 6 1/4"-8
WA14-5054	FRUEHAUF® AXA-1005-1 EUCLID® E-04000	STANDARD PLUG FOR ALL CENTER FILL HUB CAPS COLOR: BLACK
WA14-5037	ENGLIER® 641-0001	SIDE FILL PLUG
WA14-5001	FRUEHAUF® AXA-0484-1 EUCLID® E-055005	O-RING ID: 5 1/2" OD: 6"
WA14-5048	STEMCO® 330-3009	STANDARD GASKET FOR 6 HOLE HUBCAPS. (USE W/ WA14-5003 & WA343-009) BOLT CIRCLE DIA: 5 1/2" ID: 4 3/4" OD: 6 1/4"
WA14-5003	STEMCO® 240-4009	DIE CAST ALUMINUM W/ WINDOW INSIDE DEPTH: 1 15/16" ID: 4 3/8" OD: 6 1/4"
WA14-5051	STEMCO® 343-4009	GASKET INCLUDED BOLT CIRCLE DIA: 5 1/2" BOLT SIZE: 5/16" INSIDE DEPTH: 1 15/16" ID: 4 3/8" OD: 6 1/4"
WA14-5052	STEMCO® 343-4024	GASKET INCLUDED BOLT CIRCLE DIA: 4 1/2" BOLT SIZE: 5/16" INSIDE DEPTH: 1 7/8" ID: 3 1/2" OD: 5 1/4"
WA14-5005		WINDOW KIT FOR WA343-009
WA14-5023	STEMCO® 343-4025	BOLT CIRCLE DIA: 4.5" BOLT HOLES: 6 HOLE SIZE: .349" HEIGHT: 2.609" ID: 3.5" OD: 6.25"
WA14-5024	E-975 M-767 11/1/0660 9009G M10HK129 3262-S-45 A-170074	BOLT CIRCLE DIA: 5 1/2" BOLT HOLES: 6 HOLE SIZE: 5/16" HEIGHT: 2 1/8" ID: 4 1/2" OD: 6 1/8"

CONTINUED>

HUB CAPS, GASKETS, O RINGS

(CONTINUED)



WORLD AMERICAN PART #	REPLACES	NOTES
WA14-5049	340-4249 21017 MST404249 ZCP3404249	BOLT CIRCLE DIA: 5 1/2" BOLT HOLES: 6 HOLE SIZE: 5/16" HEIGHT: 1 13/16" ID: 4 7/16" OD: 6 3/16"
WA14-5053	343-4025 343-4075 A3262Q407 23004 47550 7843-3434075	BOLT CIRCLE DIA: 6 1/4" BOLT HOLES: 8 HEIGHT: 2 5/16" ID: 5 3/4" OD: 6 7/8"



WHEEL SEALS

WA #	PARTS IN SET	OIL BATH SEAL
SET 401	572/580	370022A
SET 402	572/582	
SET 403	592A/594A	370001A, 370021A
SET 404	592A/598A	370003A, 370005A
SET 405	653/663	370005A, 370036A
SET 406	3720/3782	
SET 407	3720/3782	
SET 408	32520/39595	
SET 409	45220/45280	
SET 410	45220/45284, 370054A	370054A
SET 411	47620/47686, 370023A	370023A, 370024A
SET 412	HM212011/HM212047	370001A, 370012A, 370011A
SET 413	HM212011/HM212049	370001A, 370033A
SET 414	HM218210/HM218248	370025A
SET 415	HM518410/HM518445	370065A
SET 416	45220/45291	
SET 417	45820/47890	
SET 418	H715311/H715334	
SET 419	H715311/H715343	
SET 420	H715311/H715345	370131A
SET 421	HM516410/HM516449A	370031A
SET 422	HM516410/HM516449C	370031A
SET 423	6420/6461A	370054A
SET 424	552A/555S	

How to Identify wheel studs

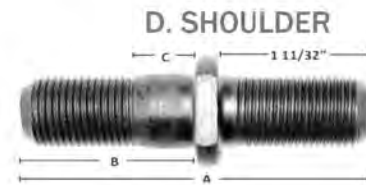
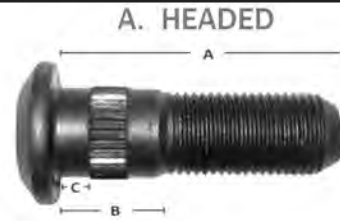
- FAMILY
- DIAMETER
- LENGTH (MEASURE FROM UNDER THE HEAD TO END OF STUD)
- PITCH (THREADS PER INCH)
- SERRATION
- TYPE OF HEAD

- A. HEADED
- B. CLIPPED
- C. DOUBLE CLIP
- D. SHOULDER
- E. DRIVE FLANGE

- GRADE- MARKINGS ON HEAD

- A. 3 RADIAL LINES (GRADE 5)
- B. 5 RADIAL LINES (GRADE 8)
- C. 10.9 MARKING (METRIC)

- LEFT OR RIGHT HAND (STAMPED WITH A "L" OR "R" ON THE BOTTOM OF THE STUD).



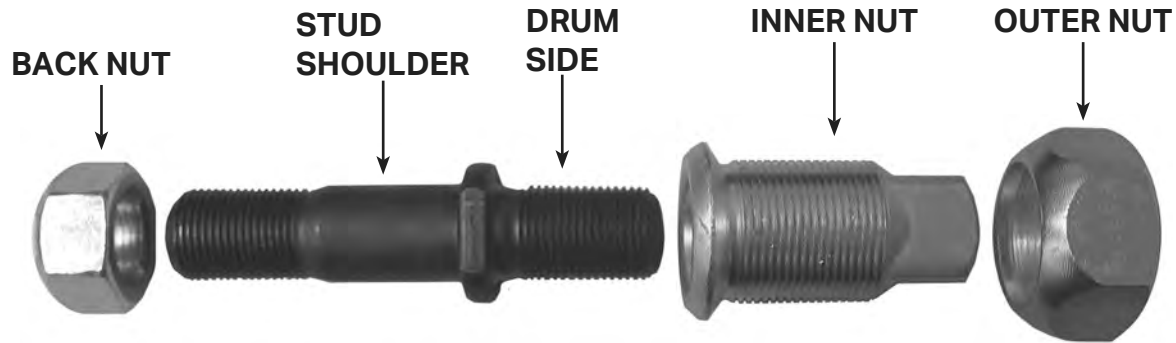
How to Identify wheel nuts

- I.D THREAD
- HEX
- HEIGHT
- STYLE- FLAT, TAPERED, CASTLE, LOCK. FLANGE, FLOATING
- APPLICATION

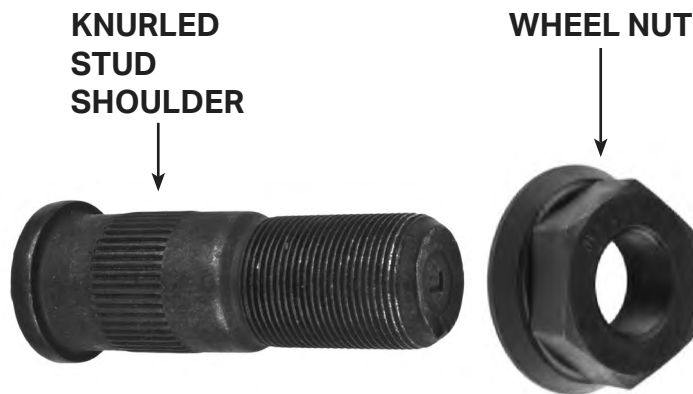


How to Identify axle mounting types

Stud-Mount



Hub-Mount



How to Identify axle nuts



How to Identify axle washers



INTERCHANGE: AUTOMANN TO WORLD AMERICAN

INTERCHANGE: AUTOMANN® TO WORLD AMERICAN®

AUTOMANN® #	WORLD AMERICAN® #
201.2032	WA07-7226
201.3013	WA07-5037
201.3031	WA07-8006
201.3032	WA07-8019
201.3033	WA07-8028
201.3034	WA07-8039
201.3041	WA07-5511
201.3042	WA07-5122
201.3043	WA07-7217
201.3044	WA07-6149
201.3047	WA07-5510
201.3048	WA07-6210
201.3049	WA07-5057
201.6011	WA07-5160
201.6012	WA07-7328
201.6041	WA07-7405
201.6128	WA07-7290
201.6131	WA07-6188
201.6134	WA07-5303
201.6135	WA07-7287
201.6142	WA07-5507
201.6143	WA07-5508
201.6144	WA07-5509
201.6148	WA07-5203
201.6152	WA07-5204
201.6153	WA07-6087
201.6153	WA07-6088
201.6154	WA07-6090
201.6159	WA07-5114
201.6163	WA07-6094
201.6164	WA07-7303
201.6171	WA07-6091
201.6222	WA07-6114
201.6246	WA07-6089
201.6255	WA07-6116
201.6256	WA07-6353
201.6257	WA07-6319
201.6284	WA07-5161
201.6285	WA07-5162
201.6286	WA07-6231
201.6291	WA07-7207
201.6292	WA07-6122
201.6293	WA07-6102
201.6294	WA07-6315
201.6296	WA07-7204
201.6297	WA07-7205
201.6298	WA07-7206
201.6325	WA07-6350
201.6326	WA07-7302
201.7502	WA07-6182
201.7503	WA07-6183

AUTOMANN® #	WORLD AMERICAN® #
201.7521	WA07-5209
201.7522	WA07-6186
201.7531	WA07-6018
201.7532	WA07-7337
201.7532	WA07-5206
201.7533	WA07-7338
201.7534	WA07-7340
201.7535	WA07-7344
201.7536	WA07-7345
201.7538	WA07-7348
201.7541	WA07-7351
201.7544	WA07-7331
201.7547	WA07-7329
201.7552	WA07-7336
201.7553	WA07-7349
203.1006	WA15-5081
203.1007	WA15-5090
203.1008	WA15-5080
203.1009	WA15-5054
203.1012	WA15-5066
203.1015	WA15-5086
203.1019	WA15-5077
203.2013	WA15-5000
203.2015	WA15-5001
203.2016	WA15-5002
203.2018	WA15-5007
203.2021	WA15-5096
203.2024	WA15-5085
203.2025	WA15-5008
203.2026	WA15-5018
203.2027	WA15-5004
203.2027	WA15-5029
203.2028	WA15-5025
203.2029	WA15-5089
203.2031	WA15-5053
203.2032	WA15-5058
203.2033	WA15-5027
203.2034	WA15-5059
203.2035	WA15-5011
203.2036	WA15-5069
203.2037	WA15-5070
203.2038	WA15-5013
203.2039	WA15-5016
203.2048	WA15-5028
203.2049	WA15-5014
203.2051	WA15-5068
203.2052	WA15-5088
203.2053	WA15-5082
203.2054	WA15-5057
203.2055	WA15-5056
203.2056	WA15-5055

AUTOMANN® #	WORLD AMERICAN® #
203.2057	WA15-5065
203.3001	WA07-5152
203.3002	WA07-5018
203.3101	WA07-6202
203.3102	WA07-6118
203.3611	WA07-6022
203.3612	WA07-5077
203.3613	WA07-6019
203.3614	WA07-6020
203.3615	WA07-5078
203.3616	WA07-5081
203.3617	WA07-6021
203.3618	WA07-5079
203.3619	WA07-5082
203.4001	WA07-6049
203.4002	WA07-5150
203.4005	WA07-5004
203.4007	WA07-5151
203.4008	WA07-6226
203.4009	WA07-6227
203.4011	WA07-6225
207.1001	WA07-7333
207.1011	WA07-7346
207.1014	WA07-5207
207.1019	WA07-5208
207.1025	WA07-6185
209.1111	WA07-5402
209.1215	WA07-5387
209.1223	WA07-5384
209.1224	WA07-5380
209.1225	WA07-5381
209.1228	WA07-5399
209.1307	WA07-5090
209.1308	WA07-5092
209.2107	WA07-5404
209.2109	WA07-5403
209.2206	WA07-5091
209.2208	WA07-5217
209.2209	WA07-5391
209.2213	WA07-5378
209.2214	WA07-5385
209.2215	WA07-5215
209.2218	WA07-5400
209.2231	WA07-5377
209.2236	WA07-5410
209.2237	WA07-5411
209.2238	WA07-5412
209.2239	WA07-5409
209.2241	WA07-5407
209.2242	WA07-5406
209.2244	WA07-5408

AUTOMANN® #	WORLD AMERICAN® #
209.2316	WA07-5095
209.2317	WA07-5389
209.2334	WA07-5394
209.2335	WA07-5392
209.2336	WA07-5393
209.2337	WA07-5397
209.2338	WA07-5395
209.2339	WA07-5396
209.2341	WA07-5413
209.2342	WA07-5414
209.2343	WA07-5401
209.2346	WA07-5383
209.2347	WA07-5398
209.2348	WA07-5375
210.1901	WA13-1901
210.1902	WA13-1902
210.1903	WA13-1903
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210.1905	WA13-1905
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210.1908	WA13-1908
210.1909	WA13-1909
210.1911	WA13-1911
210.1912	WA13-1912
210.1913	WA13-1913
210.1914	WA13-1914
210.1915	WA13-1915
210.1916	WA13-1916
210.1917	WA13-1917
210.1918	WA13-1918
210.1919	WA13-1919
210.1922	WA13-1922
210.1923	WA13-1923
210.1925	WA13-1925
210.1926	WA13-1926
210.1927	WA13-1927
210.1928	WA13-1928
210.1932	WA13-1932
210.1933	WA13-1933
210.1935	WA13-1935
210.1936	WA13-1936
210.1937	WA13-1937
210.1938	WA13-1938
210.1939	WA13-1943
210.1941	WA13-1941
537.1005	WA07-6008
537.1011	WA07-7292
537.1012	WA07-6200
537.1013	WA07-6052
537.1014	WA07-7313
109.6001	WA07-5040

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AUTOMANN® #	WORLD AMERICAN® #
109.6005	WA07-5041
201.1001L	WA07-5025
201.1001R	WA07-5024
201.1002L	WA07-5027
201.1002R	WA07-5026
201.1003L	WA07-5029
201.1003R	WA07-5028
201.1004L	WA07-5155
201.1004R	WA07-5154
201.1005L	WA07-6127
201.1005R	WA07-6126
201.2001L	WA07-5021
201.2001R	WA07-5020
201.2003L	WA07-5023
201.2003R	WA07-5022
201.2004L	WA07-6017
201.2004R	WA07-6016
201.2006L	WA07-5157
201.2006R	WA07-5156
201.2008L	WA07-6003
201.2008R	WA07-6002
201.2009L	WA07-6015
201.2009R	WA07-6014
201.2012R	WA07-7277
201.2014L	WA07-7269
201.2014R	WA07-7264
201.2015R	WA07-5084
201.2018L	WA07-5158
201.2018R	WA07-5159
201.2019L	WA07-6129
201.2019R	WA07-6128
201.3014	WA07-5035
201.3015	WA07-5036
201.3019L	WA07-5301
201.3019R	WA07-5300
201.3020L	WA07-6005
201.3020R	WA07-6004
201.3042L	WA07-7199
201.6010	WA07-6123
201.6023L	WA07-6212
201.6023R	WA07-6211
201.6024L	WA07-7223
201.6024R	WA07-7222
201.6025L	WA07-7225
201.6025R	WA07-7224
201.6026L	WA07-6327
201.6031L	WA07-6328
201.6031R	WA07-7312
201.6034L	WA07-6318
201.6034R	WA07-6204
201.6035L	WA07-5164
201.6035R	WA07-5163
201.6036L	WA07-7420

AUTOMANN® #	WORLD AMERICAN® #
201.6036R	WA07-7209
201.6037L	WA07-5097
201.6037R	WA07-5096
201.6038R	WA07-6098
201.6039L	WA07-7309
201.6039R	WA07-6324
201.6040	WA07-5506
201.6042L	WA07-5099
201.6042R	WA07-5098
201.6043L	WA07-6067
201.6043R	WA07-6066
201.6045L	WA07-6065
201.6045R	WA07-6064
201.6046L	WA07-6063
201.6046R	WA07-6062
201.6048L	WA07-5503
201.6048R	WA07-5502
201.6049L	WA07-6069
201.6049R	WA07-6068
201.6050L	WA07-6071
201.6050R	WA07-6070
201.6054L	WA07-5166
201.6054R	WA07-5165
201.6057L	WA07-5353
201.6057R	WA07-5167
201.6062L	WA07-5505
201.6062R	WA07-5504
201.6063L	WA07-6329
201.6063R	WA07-7294
201.6066L	WA07-6101
201.6066R	WA07-6100
201.6067L	WA07-5101
201.6067R	WA07-5100
201.6069L	WA07-5103
201.6069R	WA07-5102
201.6071L	WA07-5355
201.6071R	WA07-5169
201.6072L	WA07-6141
201.6072R	WA07-6140
201.6073L	WA07-6143
201.6073R	WA07-6142
201.6074L	WA07-6153
201.6074R	WA07-6152
201.6075L	WA07-6302
201.6075R	WA07-6158
201.6082L	WA07-6059
201.6082R	WA07-6058
201.6083L	WA07-6061
201.6083R	WA07-6060
201.6086L	WA07-6167
201.6086R	WA07-6166
201.6087L	WA07-7246
201.6087R	WA07-7255

AUTOMANN® #	WORLD AMERICAN® #
201.6088L	WA07-7297
201.6088R	WA07-7296
201.6089L	WA07-7248
201.6089R	WA07-7247
201.6092R	WA07-7295
201.6093L	WA07-6310
201.6093R	WA07-6078
201.6097L	WA07-5172
201.6097R	WA07-5171
201.6101L	WA07-6033
201.6101R	WA07-6032
201.6102L	WA07-6035
201.6102R	WA07-6034
201.6103L	WA07-6173
201.6103R	WA07-6172
201.6104L	WA07-6037
201.6104R	WA07-6120
201.6105L	WA07-6139
201.6105R	WA07-6138
201.6106L	WA07-6193
201.6106R	WA07-6121
201.6107L	WA07-6233
201.6107R	WA07-6232
201.6108L	WA07-5357
201.6108L	WA07-5141
201.6108R	WA07-5173
201.6109L	WA07-5176
201.6109R	WA07-5175
201.6110L	WA07-6313
201.6110R	WA07-6106
201.6111L	WA07-6075
201.6111R	WA07-6074
201.6112L	WA07-6195
201.6112R	WA07-6194
201.6113L	WA07-6314
201.6113R	WA07-6108
201.6114L	WA07-5105
201.6114R	WA07-5104
201.6116L	WA07-6235
201.6116R	WA07-6234
201.6117L	WA07-7168
201.6117R	WA07-7167
201.6119L	WA07-5178
201.6119R	WA07-5177
201.6130	WA07-7291
201.6132	WA07-5200
201.6133	WA07-5201
201.6136	WA07-7304
201.6140	WA07-7406
201.6141	WA07-6083
201.6145	WA07-5202
201.6149	WA07-5374
201.6150	WA07-6085

AUTOMANN® #	WORLD AMERICAN® #
201.6151	WA07-5038
201.6157	WA07-5039
201.6158	WA07-5205
201.6160	WA07-6190
201.6161	WA07-7279
201.6162	WA07-6192
201.6170	WA07-6351
201.6172	WA07-6093
201.6176L	WA07-7308
201.6176R	WA07-7307
201.6178L	WA07-5180
201.6178R	WA07-6076
201.6182L	WA07-7197
201.6182R	WA07-7196
201.6183L	WA07-6237
201.6183R	WA07-3236
201.6186L	WA07-6309
201.6186R	WA07-6238
201.6187R	WA07-5179
201.6188L	WA07-6241
201.6188R	WA07-6240
201.6189L	WA07-7211
201.6189R	WA07-7210
201.6191L	WA07-7306
201.6191R	WA07-7305
201.6193L	WA07-5107
201.6193R	WA07-5106
201.6194L	WA07-6243
201.6194R	WA07-6242
201.6195L	WA07-6111
201.6195R	WA07-6110
201.6196L	WA07-6057
201.6196R	WA07-6056
201.6197L	WA07-6245
201.6197R	WA07-6244
201.6199L	WA07-7173
201.6199R	WA07-7172
201.6200L	WA07-7250
201.6200R	WA07-7249
201.6205L	WA07-7171
201.6205R	WA07-7170
201.6206L	WA07-6145
201.6206R	WA07-6144
201.6209L	WA07-6169
201.6218L	WA07-6229
201.6218R	WA07-6304
201.6224L	WA07-7263
201.6224R	WA07-6335
201.6230L	WA07-6099
201.6230R	WA07-6208
201.6232L	WA07-6073
201.6232R	WA07-6072
201.6260L	WA07-6316

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AUTOMANN® #	WORLD AMERICAN® #
201.6260R	WA07-6104
201.6262L	WA07-5181
201.6262R	WA07-5182
201.6263L	WA07-5184
201.6263R	WA07-5183
201.6264L	WA07-5371
201.6264R	WA07-5370
201.6265L	WA07-5188
201.6265R	WA07-5187
201.6270L	WA07-5304
201.6270R	WA07-6312
201.6277L	WA07-6326
201.6277R	WA07-7411
201.6283L	WA07-6171
201.6283R	WA07-6170
201.6288L	WA07-6155
201.6288R	WA07-6154
201.6289L	WA07-6157
201.6289R	WA07-6156
201.6290	WA07-6219
201.6295L	WA07-7203
201.6295R	WA07-7202
201.6310L	WA07-6338
201.6310R	WA07-6096
201.6311L	WA07-7282
201.6311R	WA07-6054
201.6312L	WA07-7284
201.6312R	WA07-7283
201.6313L	WA07-6340
201.6313R	WA07-6339
201.6316L	WA07-7392
201.6316R	WA07-7404
201.6317L	WA07-7286
201.6317R	WA07-7285
201.6330L	WA07-6218
201.6330R	WA07-6133
201.7001L	WA07-6039
201.7001R	WA07-6038
201.7002L	WA07-5190
201.7002R	WA07-5189
201.7003L	WA07-5192
201.7003R	WA07-5191
201.7004L	WA07-5194
201.7004R	WA07-5193
201.7005L	WA07-5196
201.7005R	WA07-5195
201.7006L	WA07-6045
201.7006R	WA07-6044
201.7007L	WA07-6163
201.7007R	WA07-6162
201.7009L	WA07-7315
201.7009R	WA07-7314
201.7010L	WA07-5198

AUTOMANN® #	WORLD AMERICAN® #
201.7010R	WA07-5197
201.7011L	WA07-6165
201.7011R	WA07-6164
201.7012L	WA07-7427
201.7012R	WA07-7298
201.7013L	WA07-6317
201.7013R	WA07-6048
201.7014L	WA07-6081
201.7014R	WA07-6080
201.7015L	WA07-7422
201.7015R	WA07-7421
201.7016L	WA07-7232
201.7016R	WA07-7231
201.7017L	WA07-7426
201.7017R	WA07-7425
201.7019L	WA07-7234
201.7019R	WA07-7233
201.7020L	WA07-7236
201.7020R	WA07-7235
201.7021L	WA07-7238
201.7021R	WA07-7237
201.7022L	WA07-6041
201.7022R	WA07-7179
201.7023L	WA07-6300
201.7023R	WA07-6042
201.7024L	WA07-7273
201.7024R	WA07-7272
201.7025L	WA07-7182
201.7025R	WA07-7181
201.7026L	WA07-7275
201.7026R	WA07-7274
201.7027L	WA07-6301
201.7027R	WA07-6046
201.7028L	WA07-6247
201.7028R	WA07-6246
201.7032L	WA07-6177
201.7032R	WA07-7258
201.7034R	WA07-7256
201.7041L	WA07-7240
201.7041R	WA07-7239
201.7042L	WA07-7242
201.7042R	WA07-7241
201.7043L	WA07-7244
201.7043R	WA07-7245
201.7043R	WA07-7243
201.7044L	WA07-7289
201.7044R	WA07-7288
201.7045L	WA07-7300
201.7045R	WA07-7165
201.7120L	WA07-6303
201.7120R	WA07-6160
201.7121L	WA07-6443
201.7121R	WA07-7265

AUTOMANN® #	WORLD AMERICAN® #
201.7124L	WA07-7183
201.7124R	WA07-7176
201.7125L	WA07-7164
201.7125R	WA07-7163
201.7127L	WA07-7175
201.7127R	WA07-7174
201.7540	WA07-7350
203.1010	WA15-5076
203.1011	WA15-5064
203.1030	WA15-5083
203.2014	WA15-5006
203.2020	WA15-5061
203.2023	WA15-5009
203.2030	WA15-5079
203.2040	WA07-6224
203.2041	WA15-5015
203.2042	WA15-5010
203.2050	WA15-5067
203.3103	WA07-5153
203.3610	WA07-5080
203.4006	WA07-5005
203.4010	WA07-6051
209.1110	WA07-5405
209.1210	WA07-5382
209.2210	WA07-5388
209.2230	WA07-5379
209.2313	WA07-5093
209.2340	WA07-5415
210.1907	WA13-1907
210.1910	WA13-1910
210.1920	WA13-1920
210.1921	WA13-1921
210.1924	WA13-1924
210.1942	WA13-1939
210.1942	WA13-1940
DN 1	WA07-5085
DN00	WA07-5083
DN3	WA07-5086
DN4	WA07-5087
DN5	WA07-5088
DN6	WA07-5089
LN104	WA07-6010
LN106	WA07-7198
LNC104	WA07-7152
LNC105	WA07-6012
M1138	WA15-5060
M1280	WA07-6031
M7568	WA07-5094
M957	WA07-7334
MCB375	WA07-5065
MCB600	WA07-5066
MCB675	WA07-5070
MCB700	WA07-5072

AUTOMANN® #	WORLD AMERICAN® #
MCB725	WA07-5073
MCB885	WA07-5076
MSC245	WA07-5075
MSC875	WA07-5067
MSC975	WA07-5071
MSC985	WA07-5069
TRK 5066	WA07-7319



INTERCHANGE: BWP® TO WORLD AMERICAN®

BWP® #	WORLD AMERICAN® #
M-1	WA15-5004
M-10	WA15-5052
M-101	WA07-6209
M-102	WA07-5183
M-103	WA07-5184
M-104	WA07-5370
M-105	WA07-5371
M-1050	WA07-5094
M-1051	WA07-5095
M-1068	WA07-5093
M-108	WA07-7163
M-109	WA07-7164
M-11	WA15-5053
M-110	WA07-7165
M-1100	WA07-7166
M-1101	WA15-5029
M-1102	WA07-5005
M-1104	WA15-5002
M-1106	WA07-6138
M-1107	WA07-6139
M-1108	WA07-7167
M-1109	WA07-7168
M-111	WA07-7169
M-1110	WA07-6140
M-1111	WA07-6141
M-1112	WA07-6142
M-1113	WA07-6143
M-1114	WA07-7170
M-1115	WA07-7171
M-1116	WA07-6144
M-1117	WA07-6145
M-1118	WA07-7172
M-1119	WA07-7173
M-1120	WA07-5169
M-1121	WA07-5355
M-1122	WA15-5054
M-1123	WA15-5006
M-1124	WA15-5007
M-1125	WA15-5008
M-1127	WA15-5010
M-1128	WA15-5055
M-1129	WA15-5056
M-1130	WA15-5027
M-1133	WA15-5057
M-1134	WA15-5058
M-1135	WA15-5011
M-1136	WA15-5059
M-1138	WA15-5060
M-1139	WA15-5097
M-114	WA07-7174
M-1141	WA15-5061

BWP® #	WORLD AMERICAN® #
M-1142	WA15-5009
M-1143	WA15-5062
M-1144	WA07-6052
M-1145	WA07-5153
M-1148	WA15-5028
M-1149	WA15-5063
M-115	WA07-7175
M-1151	WA07-6219
M-1152	WA07-6220
M-1153	WA07-6149
M-116	WA07-7176
M-1160	WA07-7177
M-1161	WA07-7178
M-1163	WA07-6151
M-1164	WA07-7179
M-1166	WA07-6042
M-1167	WA07-6300
M-1168	WA07-7181
M-1169	WA07-7182
M-117	WA07-7183
M-1170	WA07-6046
M-1171	WA07-6301
M-1172	WA07-6222
M-1173	WA15-5064
M-1175	WA15-5013
M-1176	WA07-6152
M-1177	WA07-6153
M-118	WA07-7184
M-1183	WA15-5065
M-1188	WA15-5066
M-119	WA07-7185
M-1192	WA07-5086
M-1193	WA07-5087
M-1194	WA07-5088
M-1195	WA07-5083
M-1196	WA07-5084
M-1197	WA07-5085
M-1199	WA07-5089
M-1201	WA07-7186
M-1206	WA07-6154
M-1207	WA07-6155
M-1208	WA07-6156
M-1209	WA07-6157
M-1210	WA07-6158
M-1211	WA07-6302
M-1212	WA07-5175
M-1213	WA07-5176
M-1214	WA07-7187
M-1215	WA07-7188
M-1216	WA07-6332
M-1217	WA07-7395

BWP® #	WORLD AMERICAN® #
M-1220	WA07-7191
M-1221	WA07-7192
M-1222	WA07-7193
M-1223	WA07-7194
M-1224	WA07-7195
M-1225	WA07-6346
M-1228	WA07-6160
M-1229	WA07-6303
M-124	WA07-5020
M-1242	WA15-5014
M-1243	WA15-5067
M-1244	WA15-5068
M-1247	WA15-5069
M-1248	WA15-5070
M-1249	WA15-5015
M-125	WA07-5021
M-1250	WA07-7196
M-1251	WA07-7197
M-1254	WA07-5511
M-1255	WA07-7198
M-126	WA07-5022
M-1260	WA15-5071
M-1262	WA15-5072
M-1263	WA07-6225
M-1264	WA07-6226
M-1265	WA07-6227
M-1266	WA07-5122
M-1267	WA07-7199
M-1268	WA07-7200
M-1269	WA07-7201
M-1270	WA07-7202
M-1271	WA07-7203
M-1272	WA07-6304
M-1273	WA07-6229
M-1276	WA07-7204
M-1278	WA07-7205
M-1279	WA07-7206
M-1280	WA07-6031
M-1281	WA07-6320
M-1282	WA15-5016
M-1283	WA07-6231
M-1284	WA07-7207
M-1286	WA07-7209
M-1287	WA07-7420
M-1288	WA07-6232
M-1289	WA07-6233
M-1290	WA07-6234
M-1291	WA07-6235
M-1292	WA07-7210
M-1293	WA07-7211
M-1294	WA07-7212

BWP® #	WORLD AMERICAN® #
M-1295	WA07-7213
M-130	WA07-5026
M-131	WA07-5027
M-132	WA07-5028
M-133	WA07-5029
M-134	WA07-6002
M-135	WA07-6003
M-140	WA07-6124
M-140-A	WA07-6126
M-140-B	WA07-6127
M-140-C	WA07-7214
M-140-E	WA07-6128
M-140-F	WA07-6129
M-140-G	WA07-5159
M-140-H	WA07-5158
M-140-K	WA07-7215
M-142	WA07-5510
M-143	WA07-7216
M-1430	WA07-5041
M-144	WA07-6210
M-145	WA07-5057
M-157	WA07-7217
M-158	WA07-5161
M-159	WA07-5162
M-164	WA07-6004
M-165	WA07-6005
M-166	WA07-5300
M-17	WA15-5073
M-185	WA07-7219
M-186	WA07-7220
M-187	WA07-7221
M-189	WA07-6211
M-190	WA07-6212
M-1901	WA13-1901
M-1902	WA13-1902
M-1903	WA13-1903
M-1904	WA13-1904
M-1905	WA13-1905
M-1906	WA13-1906
M-1907	WA13-1907
M-1908	WA13-1908
M-1909	WA13-1909
M-191	WA07-6213
M-1910	WA13-1910
M-1911	WA13-1911
M-1912	WA13-1912
M-1913	WA13-1913
M-1914	WA13-1914
M-1915	WA13-1915
M-1916	WA13-1916
M-1917	WA13-1917

INTERCHANGE: BWP® TO WORLD AMERICAN®

CONTINUED>

BWP® #	WORLD AMERICAN® #
M-1918	WA13-1918
M-1919	WA13-1919
M-192	WA07-6305
M-1920	WA13-1920
M-1921	WA13-1921
M-1922	WA13-1922
M-1923	WA13-1923
M-1924	WA13-1924
M-1925	WA13-1925
M-1926	WA13-1926
M-1927	WA13-1927
M-1928	WA13-1928
M-1932	WA13-1932
M-1933	WA13-1933
M-1935	WA13-1935
M-1936	WA13-1936
M-1937	WA13-1937
M-1938	WA13-1938
M-1939	WA13-1939
M-1940	WA13-1940
M-1941	WA13-1941
M-1943	WA13-1943
M-195	WA07-7222
M-1959	WA07-5405
M-196	WA07-7223
M-197	WA07-7224
M-198	WA07-7225
M-1986	WA07-5382
M-1986	WA07-5382
M-1998	WA07-5388
M-2	WA15-5025
M-200	WA07-6216
M-203	WA07-7226
M-204	WA07-7227
M-214	WA07-6130
M-219	WA07-7228
M-22	WA15-5074
M-220	WA07-6132
M-225	WA07-6133
M-226	WA07-6218
M-227	WA07-7229
M-23	WA15-5075
M-230	WA07-7230
M-2402	WA07-6162
M-2404	WA07-6164
M-2405	WA07-6165
M-2406	WA07-7231
M-2407	WA07-7232
M-2408	WA07-7233
M-2409	WA07-7234
M-2410	WA07-7235
M-2411	WA07-7236
M-2412	WA07-7237

BWP® #	WORLD AMERICAN® #
M-2413	WA07-7238
M-2414	WA07-7239
M-2415	WA07-7240
M-2416	WA07-7241
M-2417	WA07-7242
M-2418	WA07-7243
M-2419	WA07-7244
M-2420	WA07-6166
M-2421	WA07-6167
M-2422	WA07-7245
M-2423	WA07-7246
M-2424	WA07-7247
M-2425	WA07-7248
M-2426	WA07-7249
M-2427	WA07-7250
M-2429	WA07-6169
M-2430	WA07-5106
M-2431	WA07-5107
M-2432	WA07-6170
M-2433	WA07-6171
M-2434	WA07-6172
M-2435	WA07-6173
M-2436	WA07-5173
M-2437	WA07-5357
M-2438	WA07-5104
M-2439	WA07-5105
M-2440	WA07-7252
M-2441	WA07-7253
M-2442	WA07-6330
M-2443	WA07-6131
M-2444	WA07-7254
M-2445	WA07-7255
M-2446	WA07-7256
M-2447	WA07-7257
M-2448	WA07-7258
M-2450	WA07-7259
M-2451	WA07-7260
M-2454	WA07-6006
M-2456	WA07-6008
M-2457	WA07-6010
M-2458	WA07-6012
M-2459	WA07-5040
M-2460	WA15-5076
M-2461	WA15-5077
M-2462	WA07-6178
M-2463	WA07-6179
M-2464	WA07-6180
M-2465	WA07-6181
M-2466	WA07-5177
M-2467	WA07-5178
M-2468	WA07-6334
M-2469	WA07-7262
M-2470	WA07-6335

BWP® #	WORLD AMERICAN® #
M-2471	WA07-7263
M-2472	WA07-3236
M-2473	WA07-6237
M-2474	WA07-6238
M-2475	WA07-6239
M-2476	WA07-6240
M-2477	WA07-6241
M-2478	WA07-6242
M-2479	WA07-6243
M-248	WA07-7264
M-2480	WA07-6244
M-2481	WA07-6245
M-2486	WA07-7265
M-2488	WA07-7266
M-2489	WA07-7267
M-248-A	WA07-7268
M-249	WA07-7269
M-2490	WA07-7270
M-2491	WA07-7271
M-2494	WA07-7272
M-2495	WA07-7273
M-2496	WA07-7274
M-2497	WA07-7275
M-2498	WA07-6246
M-2499	WA07-6247
M-249A	WA07-6135
M-25	WA15-5078
M-2500	WA15-5096
M-2509	WA07-5208
M-2520	WA07-6182
M-2521	WA07-6183
M-2522	WA07-5206
M-2523	WA07-5207
M-2524	WA07-5209
M-2525	WA07-6185
M-2526	WA07-6186
M-2527	WA07-5080
M-2528	WA07-5081
M-2529	WA07-5082
M-256	WA07-7277
M-257	WA07-7278
M-258	WA07-5187
M-259	WA07-5188
M-26	WA15-5079
M-260	WA07-5182
M-261	WA07-5181
M-27	WA15-5080
M-28	WA15-5081
M-2823	WA07-7152
M-29	WA15-5082
M-2979	WA07-5066
M-2980	WA07-5067
M-2984	WA07-5072

BWP® #	WORLD AMERICAN® #
M-2985	WA07-5073
M-2986	WA07-5074
M-2987	WA07-5075
M-2988	WA07-5076
M-3	WA15-5000
M-30	WA15-5083
M-30-A	WA15-5084
M-30-B	WA15-5090
M-32	WA07-6200
M-3200	WA07-6188
M-3201	WA07-5200
M-3202	WA07-5201
M-3203	WA07-5035
M-3204	WA07-6190
M-3205	WA07-7279
M-3206	WA07-6192
M-3207	WA07-5036
M-3208	WA07-6014
M-3209	WA07-6015
M-3210	WA07-6016
M-3211	WA07-6017
M-3212	WA15-5085
M-3213	WA15-5086
M-3215	WA07-5374
M-3216	WA07-5038
M-3217	WA07-5039
M-3218	WA07-5171
M-3219	WA07-5172
M-3220	WA07-6054
M-3221	WA07-7282
M-3222	WA07-7283
M-3223	WA07-7284
M-3224	WA07-6056
M-3225	WA07-6057
M-3226	WA07-6058
M-3227	WA07-6059
M-3228	WA07-6060
M-3229	WA07-6061
M-3230	WA07-7285
M-3231	WA07-7286
M-3232	WA07-7287
M-3234	WA07-7288
M-3235	WA07-7289
M-3241	WA07-5165
M-3242	WA07-5166
M-3266	WA07-7290
M-3267	WA07-7291
M-3391	WA07-5383
M-3392	WA07-5398
M-3395	WA07-5023
M-3396	WA07-5024
M-3397	WA07-5025
M-34	WA07-7292

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BWP® #	WORLD AMERICAN® #
M-35	WA07-6051
M-36	WA07-7293
M-3600	WA15-5005
M-3603	WA15-5018
M-3608	WA07-6064
M-3609	WA07-6065
M-3610	WA07-6066
M-3611	WA07-6067
M-3612	WA07-6068
M-3613	WA07-6069
M-3614	WA07-6070
M-3615	WA07-6071
M-3616	WA07-6072
M-3617	WA07-6073
M-3620	WA07-6194
M-3621	WA07-6195
M-3622	WA07-6196
M-3623	WA07-6307
M-3624	WA07-6198
M-3625	WA07-6308
M-3626	WA07-6074
M-3627	WA07-6075
M-3628	WA07-7294
M-3629	WA07-6329
M-3630	WA07-6076
M-3632	WA07-5179
M-3633	WA07-5180
M-3634	WA07-7295
M-3635	WA07-6341
M-3636	WA07-6078
M-3637	WA07-6310
M-3638	WA07-7296
M-3639	WA07-7297
M-3642	WA07-7298
M-3643	WA07-7427
M-3644	WA07-6080
M-3645	WA07-6081
M-3646	WA07-7299
M-3647	WA07-7300
M-3648	WA07-6062
M-3649	WA07-6063
M-3650	WA07-5502
M-3651	WA07-5503
M-3652	WA07-5167
M-3653	WA07-5353
M-3654	WA07-5504
M-3655	WA07-5505
M-3658	WA07-5506
M-3659	WA07-6083
M-3660	WA07-5507
M-3661	WA07-5508
M-3662	WA07-5509
M-3663	WA07-5202

BWP® #	WORLD AMERICAN® #
M-3664	WA07-5203
M-3665	WA07-6085
M-3666	WA07-5204
M-3667	WA07-6087
M-3668	WA07-6088
M-3669	WA07-5205
M-3670	WA07-5114
M-3671	WA07-6089
M-3672	WA07-6090
M-3673	WA07-6091
M-3674	WA07-7301
M-3675	WA07-6350
M-3676	WA07-7302
M-3677	WA07-6093
M-3678	WA07-7303
M-3679	WA07-5303
M-3680	WA07-6094
M-3681	WA07-7304
M-37	WA07-6049
M-38	WA07-5150
M-39	WA07-5004
M-3900	WA07-7421
M-3901	WA07-7422
M-3902	WA07-7425
M-3903	WA07-7426
M-3904	WA07-7382
M-3905	WA07-6345
M-3912	WA07-6110
M-3913	WA07-6111
M-3916	WA07-7305
M-3917	WA07-7306
M-3924	WA07-7307
M-3925	WA07-7308
M-3926	WA07-6098
M-3930	WA07-6324
M-3931	WA07-7309
M-3932	WA07-6100
M-3933	WA07-6101
M-3938	WA07-7411
M-3939	WA07-6326
M-3941	WA07-6327
M-3942	WA07-7312
M-3943	WA07-6328
M-3946	WA07-6312
M-3947	WA07-5304
M-3950	WA07-6106
M-3951	WA07-6313
M-3952	WA07-6108
M-3953	WA07-6314
M-3954	WA07-6208
M-3955	WA07-6099
M-3956	WA07-6102
M-3957	WA07-6315

BWP® #	WORLD AMERICAN® #
M-3960	WA07-6104
M-3961	WA07-6316
M-3962	WA07-7404
M-3963	WA07-7392
M-3966	WA07-6096
M-3967	WA07-6338
M-3968	WA07-6339
M-3969	WA07-6340
M-3970	WA07-6351
M-3971	WA07-6352
M-3972	WA07-6114
M-3973	WA07-7405
M-3974	WA07-7406
M-3976	WA07-6116
M-3977	WA07-6353
M-3978	WA07-6319
M-3979	WA07-5037
M-3980	WA07-5156
M-3981	WA07-5157
M-3982	WA07-5154
M-3983	WA07-5155
M-40	WA07-5151
M-41	WA07-7313
M-42	WA07-6202
M-4214	WA07-8006
M-4215	WA07-8019
M-4216	WA07-8028
M-4217	WA07-8039
M-43	WA07-5152
M-44	WA07-6118
M-45	WA07-5018
M-46	WA07-6038
M-47	WA07-6039
M-48	WA07-5189
M-49	WA07-5190
M-5	WA15-5026
M-50	WA07-5191
M-51	WA07-5192
M-52	WA07-5193
M-53	WA07-5194
M-54	WA07-5195
M-55	WA07-5196
M-56	WA07-6044
M-57	WA07-6045
M-58	WA07-7314
M-59	WA07-7315
M-6	WA15-5088
M-60	WA07-5197
M-61	WA07-5198
M-62	WA07-6048
M-63	WA07-6317
M-64	WA07-7316
M-65	WA07-7317

BWP® #	WORLD AMERICAN® #
M-66	WA07-7318
M-67	WA07-7319
M-7	WA15-5089
M-70	WA07-7320
M-71	WA07-7321
M-72	WA07-6204
M-73	WA07-6318
M-74	WA07-5163
M-75	WA07-5164
M-76	WA07-5096
M-77	WA07-5097
M-78	WA07-5098
M-79	WA07-5099
M-8	WA15-5001
M-80	WA07-5100
M-81	WA07-5101
M-82	WA07-5102
M-83	WA07-5103
M-84	WA07-6032
M-85	WA07-6033
M-86	WA07-6034
M-87	WA07-6035
M-88	WA07-6120
M-89	WA07-6037
M-90	WA07-6122
M-900	WA07-7322
M-901	WA07-7323
M-906	WA07-7324
M-908	WA07-7325
M-910	WA07-7326
M-914	WA07-7327
M-92	WA07-7328
M-922	WA07-7329
M-928	WA07-7330
M-929	WA07-7331
M-93	WA07-7332
M-937	WA07-7333
M-957	WA07-7334
M-958	WA07-7335
M-959	WA07-7336
M-96	WA07-6206
M-960	WA07-6018
M-961	WA07-7337
M-962	WA07-7338
M-963	WA07-7339
M-964	WA07-7340
M-965	WA07-7341
M-966	WA07-7342
M-967	WA07-7343
M-968	WA07-7344
M-969	WA07-7345
M-97	WA07-6123
M-971	WA07-7346

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BWP® #	WORLD AMERICAN® #
M-973	WA07-7347
M-974	WA07-7348
M-975	WA07-7349
M-976	WA07-7350

BWP® #	WORLD AMERICAN® #
M-977	WA07-7351
M-978	WA07-7352
M-979	WA07-7353
M-98	WA07-5160

BWP® #	WORLD AMERICAN® #
M-980	WA07-6136
M-982	WA07-5077
M-984	WA07-6020
M-985	WA07-5078

BWP® #	WORLD AMERICAN® #
M-986	WA07-6021
M-987	WA07-5079
M-99	WA07-6207

INTERCHANGE: DAYTON® TO WORLD AMERICAN®

DAYTON® #	WORLD AMERICAN® #
162047	WA07-6012
256675	WA07-5086
257040	WA07-5087
257771	WA07-5083
537883	WA07-5040
537883	WA07-5040
06-201	WA07-5092
06-202	WA07-5091
06-203	WA07-5090
06-226	WA07-5094
06-228	WA07-5095
06-229	WA07-5041
06-230	WA07-5093
06-354	WA07-5402
06-355	WA07-5404
06-357	WA07-5403
06-358	WA07-5405
06-360	WA07-5406
06-361	WA07-5407
06-362	WA07-5408
06-365	WA07-5412
06-366	WA07-5409
06-367	WA07-5411
06-368	WA07-5410
06-400	WA07-5394
06-401	WA07-5392
06-402	WA07-5393
06-403	WA07-5397
06-404	WA07-5395
06-405	WA07-5396
06-405	WA07-5396
06-407	WA07-5415
06-408	WA07-5413
06-409	WA07-5414
06-412	WA07-5384
06-413	WA07-5385
06-420	WA07-5401
06-421	WA07-5399
06-422	WA07-5400
06-424	WA07-5383
06-425	WA07-5398
06-470	WA07-5382

DAYTON® #	WORLD AMERICAN® #
06-471	WA07-5217
06-472	WA07-5375
06-476	WA07-5379
06-477	WA07-5378
06-478	WA07-5377
06-482	WA07-5381
06-483	WA07-5215
06-484	WA07-5380
06-500	WA07-5389
06-501	WA07-5388
06-502	WA07-5387
06-571	WA07-5391
09-008621	WA15-5060
09-699317	WA15-5001
11-0408	WA07-5065
11-0414	WA07-5066
11-0419	WA07-5067
11-0420	WA07-5070
11-0421	WA07-5071
11-0422	WA07-5074
11-0426	WA07-5076
11-1901	WA13-1901
11-1902	WA13-1902
11-1903	WA13-1903
11-1904	WA13-1904
11-1905	WA13-1905
11-1906	WA13-1906
11-1907	WA13-1907
11-1908	WA13-1908
11-1909	WA13-1909
11-1910	WA13-1910
11-1911	WA13-1911
11-1912	WA13-1912
11-1913	WA13-1913
11-1914	WA13-1914
11-1915	WA13-1915
11-1916	WA13-1916
11-1917	WA13-1917
11-1918	WA13-1918
11-1919	WA13-1919
11-1920	WA13-1920
11-1921	WA13-1921

DAYTON® #	WORLD AMERICAN® #
11-1922	WA13-1922
11-1923	WA13-1923
11-1924	WA13-1924
11-1925	WA13-1925
11-1926	WA13-1926
11-1927	WA13-1927
11-1928	WA13-1928
11-1932	WA13-1932
11-1933	WA13-1933
11-1935	WA13-1935
11-1936	WA13-1936
11-1937	WA13-1937
11-1938	WA13-1938
11-1939	WA13-1939
11-1940	WA13-1940
11-1941	WA13-1941
11-1943	WA13-1943
13-1001-L	WA07-6039
13-1001-R	WA07-6038
13-1002-L	WA07-5190
13-1002-R	WA07-5189
13-1003-L	WA07-5192
13-1003-R	WA07-5191
13-1004-L	WA07-5194
13-1004-R	WA07-5193
13-1005-L	WA07-5196
13-1005-R	WA07-5195
13-1006-L	WA07-6045
13-1006-R	WA07-6044
13-1007-L	WA07-7315
13-1007-R	WA07-7314
13-1008-L	WA07-5198
13-1008-R	WA07-5197
13-1009-L	WA07-6317
13-1009-R	WA07-6048
13-1010-L	WA07-7317
13-1010-R	WA07-7316
13-1011-L	WA07-7319
13-1011-R	WA07-7318
13-1013-L	WA07-7321
13-1013-R	WA07-7320
13-1016-L	WA07-7422

DAYTON® #	WORLD AMERICAN® #
13-1016-R	WA07-7421
13-1017-L	WA07-6081
13-1017-R	WA07-6080
13-1018-L	WA07-7427
13-1018-R	WA07-7298
13-1019-L	WA07-7232
13-1019-R	WA07-7231
13-1021-L	WA07-7236
13-1021-R	WA07-7235
13-1037-L	WA07-6165
13-1037-R	WA07-6164
13-1038-L	WA07-6163
13-1038-R	WA07-6162
13-1040-L	WA07-7234
13-1040-R	WA07-7233
13-1041-L	WA07-7238
13-1041-R	WA07-7237
13-1042-L	WA07-7426
13-1042-R	WA07-7425
13-1070-L	WA07-7271
13-1070-R	WA07-7270
13-1077R	WA07-7382
13-1101-L	WA07-6318
13-1101-R	WA07-6204
13-1102-L	WA07-5164
13-1102-R	WA07-5163
13-1103-L	WA07-5097
13-1103-R	WA07-5096
13-1104-L	WA07-5101
13-1104-R	WA07-5100
13-1105-L	WA07-5103
13-1105-R	WA07-5102
13-1106-L	WA07-6143
13-1106-R	WA07-6142
13-1107-L	WA07-5099
13-1107-R	WA07-5098
13-1108-L	WA07-5355
13-1108-R	WA07-5169
13-1110-L	WA07-6153
13-1110-R	WA07-6152
13-1111-L	WA07-6155
13-1111-R	WA07-6154

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DAYTON® #	WORLD AMERICAN® #
13-1112-L	WA07-6157
13-1112-R	WA07-6156
13-1113-L	WA07-6141
13-1113-R	WA07-6140
13-1114-L	WA07-6302
13-1114-R	WA07-6158
13-1121-L	WA07-7420
13-1121-R	WA07-7209
13-1122-L	WA07-6065
13-1122-R	WA07-6064
13-1126-L	WA07-6101
13-1126-R	WA07-6100
13-1128-L	WA07-6067
13-1128-R	WA07-6066
13-1129-L	WA07-5166
13-1129-R	WA07-5165
13-1131-R	WA07-6098
13-1133-L	WA07-7309
13-1133-R	WA07-6324
13-1135-L	WA07-6071
13-1135-R	WA07-6070
13-1139-L	WA07-6329
13-1139-R	WA07-7294
13-1140-L	WA07-6073
13-1140-R	WA07-6072
13-1143-L	WA07-6099
13-1143-R	WA07-6208
13-1146-L	WA07-6069
13-1146-R	WA07-6068
13-1150	WA07-6219
13-1151	WA07-6220
13-1152	WA07-7207
13-1154-L	WA07-6063
13-1154-R	WA07-6062
13-1156-L	WA07-5503
13-1156-R	WA07-5502
13-1157-L	WA07-5353
13-1157-R	WA07-5167
13-1158-L	WA07-5505
13-1158-R	WA07-5504
13-1168-L	WA07-6327
13-1171-L	WA07-5304
13-1171-R	WA07-6312
13-1173-L	WA07-6328
13-1173-R	WA07-7312
13-1177-L	WA07-6326
13-1177-R	WA07-7411
13-1180-L	WA07-7223
13-1180-R	WA07-7222
13-1181-L	WA07-7225
13-1181-R	WA07-7224
13-1182-L	WA07-6212
13-1182-R	WA07-6211

DAYTON® #	WORLD AMERICAN® #
13-1201-L	WA07-6033
13-1201-R	WA07-6032
13-1202-L	WA07-6035
13-1202-R	WA07-6034
13-1203-L	WA07-6037
13-1203-R	WA07-6120
13-1204-L	WA07-5357
13-1204-L	WA07-5141
13-1204-R	WA07-5173
13-1205-L	WA07-6171
13-1205-R	WA07-6170
13-1206-L	WA07-6173
13-1206-R	WA07-6172
13-1208-L	WA07-6307
13-1208-R	WA07-6196
13-1230-L	WA07-5176
13-1230-R	WA07-5175
13-1231-L	WA07-5105
13-1231-R	WA07-5104
13-1232-L	WA07-5178
13-1232-R	WA07-5177
13-1233-L	WA07-6235
13-1233-R	WA07-6234
13-1234-L	WA07-6233
13-1234-R	WA07-6232
13-1235-L	WA07-6075
13-1235-R	WA07-6074
13-1236-L	WA07-6139
13-1236-R	WA07-6138
13-1250-L	WA07-7253
13-1250-R	WA07-7252
13-1251-L	WA07-7213
13-1251-R	WA07-7212
13-1252-L	WA07-7211
13-1252-R	WA07-7210
13-1253-L	WA07-6131
13-1253-R	WA07-6330
13-1254-L	WA07-7168
13-1254-R	WA07-7167
13-1256-L	WA07-6308
13-1256-R	WA07-6198
13-1259-L	WA07-6195
13-1259-R	WA07-6194
13-1273-L	WA07-6193
13-1274-L	WA07-6313
13-1274-R	WA07-6106
13-1275-L	WA07-6314
13-1275-R	WA07-6108
13-1301-R	WA07-7179
13-1302-L	WA07-6300
13-1302-R	WA07-6042
13-1303-L	WA07-7273
13-1303-R	WA07-7272

DAYTON® #	WORLD AMERICAN® #
13-1304-L	WA07-7182
13-1304-R	WA07-7181
13-1305-L	WA07-6301
13-1305-R	WA07-6046
13-1306-L	WA07-6247
13-1306-R	WA07-6246
13-1408-L	WA07-7185
13-1408-R	WA07-7184
13-1410-L	WA07-7164
13-1410-R	WA07-7163
13-1411-L	WA07-7240
13-1412-L	WA07-7183
13-1412-L	WA07-7242
13-1412-R	WA07-7176
13-1412-R	WA07-7241
13-1413-L	WA07-7175
13-1413-L	WA07-7244
13-1413-R	WA07-7174
13-1413-R	WA07-7243
13-1414-R	WA07-7288
13-1419-L	WA07-7169
13-1419-L	WA07-7300
13-1419-R	WA07-7165
13-1419-R	WA07-7299
13-1501L	WA07-6316
13-1501-L	WA07-6104
13-1502-L	WA07-5184
13-1502-R	WA07-5183
13-1505-L	WA07-5371
13-1505-R	WA07-5370
13-1506-L	WA07-5188
13-1506-R	WA07-5187
13-1511-L	WA07-6338
13-1511-R	WA07-6096
13-1512-L	WA07-6340
13-1512-R	WA07-6339
13-1534	WA07-6116
13-1544	WA07-5506
13-1545	WA07-5507
13-1546	WA07-5508
13-1547	WA07-7406
13-1548	WA07-6114
13-1549	WA07-7405
13-1550	WA07-6083
13-1551	WA07-5509
13-1552	WA07-5202
13-1560	WA07-6192
13-1561	WA07-6190
13-1562	WA07-7279
13-1563	WA07-6094
13-1567	WA07-5204
13-1568	WA07-5203
13-1569	WA07-6090

DAYTON® #	WORLD AMERICAN® #
13-1570	WA07-5374
13-1571	WA07-5038
13-1572	WA07-5039
13-1573	WA07-6089
13-1576	WA07-5205
13-1577	WA07-6087
13-1578	WA07-5114
13-1579	WA07-6085
13-1580	WA07-6188
13-1581	WA07-5200
13-1582	WA07-5201
13-1585-L	WA07-5172
13-1585-R	WA07-5171
13-1587	WA07-7290
13-1589	WA07-7291
13-1590	WA07-7304
13-1591	WA07-5303
13-1592	WA07-7287
13-1593	WA07-6353
13-1594	WA07-6319
13-1604-L	WA07-6145
13-1604-R	WA07-6144
13-1605-L	WA07-7171
13-1605-R	WA07-7170
13-1606-L	WA07-7395
13-1606-R	WA07-6332
13-1607-L	WA07-7263
13-1607-R	WA07-6335
13-1608-L	WA07-7173
13-1608-R	WA07-7172
13-1609-L	WA07-6245
13-1609-R	WA07-6244
13-1610-L	WA07-7197
13-1610-R	WA07-7196
13-1611-L	WA07-7262
13-1611-R	WA07-6334
13-1616-L	WA07-6169
13-1617-L	WA07-6241
13-1617-R	WA07-6240
13-1618-L	WA07-5107
13-1618-R	WA07-5106
13-1620-L	WA07-6237
13-1620-R	WA07-3236
13-1621-L	WA07-6239
13-1621-R	WA07-6238
13-1622-L	WA07-6309
13-1622-R	WA07-6076
13-1623-L	WA07-6243
13-1623-R	WA07-6242
13-1626-L	WA07-7306
13-1626-R	WA07-7305
13-1630-L	WA07-5180
13-1630-R	WA07-5179

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DAYTON® #	WORLD AMERICAN® #
13-1635-L	WA07-6111
13-1635-R	WA07-6110
13-1660-L	WA07-7308
13-1660-R	WA07-7307
13-1710	WA07-7303
13-1712	WA07-7301
13-1713	WA07-6350
13-1720	WA07-6091
13-1721	WA07-6093
13-1730	WA07-7302
13-1801-L	WA07-7192
13-1801-R	WA07-7191
13-1802-L	WA07-6346
13-1802-R	WA07-7195
13-1803-L	WA07-7194
13-1803-R	WA07-7193
13-1901	WA07-6122
13-1902	WA07-6206
13-1903	WA07-6123
13-1904	WA07-6207
13-1905	WA07-5160
13-2001	WA07-5161
13-2002	WA07-5162
13-2003	WA07-6231
13-2006	WA07-6315
13-2007	WA07-6102
13-2202-L	WA07-6443
13-2202-R	WA07-7265
13-2203-L	WA07-7267
13-2203-R	WA07-7266
13-2204-L	WA07-6303
13-2204-R	WA07-6160
13-2320-L	WA07-7248
13-2320-R	WA07-7247
13-2321-L	WA07-7246
13-2321-R	WA07-7245
13-2323-L	WA07-6167
13-2323-R	WA07-6166
13-2325-L	WA07-7297
13-2325-R	WA07-7296
13-2326-L	WA07-6341
13-2326-R	WA07-7295
13-2327-L	WA07-6310
13-2327-R	WA07-6078
13-2334-L	WA07-7250
13-2334-R	WA07-7249
13-2344-L	WA07-7188
13-2344-R	WA07-7187
13-2360-L	WA07-7286
13-2360-R	WA07-7285
13-2372-L	WA07-7282
13-2372-R	WA07-6054
13-2373-L	WA07-6061

DAYTON® #	WORLD AMERICAN® #
13-2373-R	WA07-6060
13-2374-L	WA07-7284
13-2374-R	WA07-7283
13-2375-L	WA07-6059
13-2375-R	WA07-6058
13-2376-L	WA07-6057
13-2376-L	WA07-7289
13-2376-R	WA07-6056
13-2386-L	WA07-7392
13-2386-R	WA07-7404
13-2400-L	WA07-7255
13-2400-R	WA07-7254
13-2401-L	WA07-7257
13-2401-R	WA07-7256
13-2441-L	WA07-7260
13-2441-R	WA07-7259
13-2442-L	WA07-6177
13-2442-R	WA07-7258
13-2550-L	WA07-6320
13-2550-R	WA07-6031
13-2551-L	WA07-6229
13-2551-R	WA07-6304
13-2561-L	WA07-7332
13-2561-R	WA07-7328
13-2600-L	WA07-7203
13-2600-R	WA07-7202
13-2650	WA07-7204
13-2651	WA07-7205
13-2653	WA07-7206
13-2850	WA07-6351
13-2950	WA07-6352
13-3002	WA07-6149
13-3003	WA07-5510
13-3004	WA07-7217
13-3005L	WA07-5025
13-3005-R	WA07-5024
13-3009R	WA07-7177
13-3009-R	WA07-7178
13-3010-L	WA07-6127
13-3010-R	WA07-6126
13-3012L	WA07-5023
13-3012-R	WA07-5022
13-3013-L	WA07-5021
13-3013-R	WA07-5020
13-3015-L	WA07-6005
13-3015-R	WA07-6004
13-3016L	WA07-5301
13-3016-R	WA07-5300
13-3017-L	WA07-6129
13-3017-R	WA07-6128
13-3018-R	WA07-7214
13-3019-L	WA07-5158
13-3019-R	WA07-5159

DAYTON® #	WORLD AMERICAN® #
13-3022-L	WA07-7215
13-3026-R	WA07-6003
13-3028-L	WA07-5027
13-3028-R	WA07-5026
13-3029-L	WA07-5029
13-3029-R	WA07-5028
13-3030	WA07-7198
13-3031	WA07-7200
13-3040-L	WA07-7227
13-3040-R	WA07-7226
13-3041-L	WA07-7278
13-3041-R	WA07-7277
13-3042L	WA07-6135
13-3042-L	WA07-7269
13-3042-R	WA07-7264
13-3043-R	WA07-7230
13-3047-L	WA07-7199
13-3047-R	WA07-5122
13-3048	WA07-5511
13-3050	WA07-5036
13-3052	WA07-5035
13-3054-L	WA07-6015
13-3054-R	WA07-6014
13-3054-R	WA07-6002
13-3055-L	WA07-6017
13-3055-R	WA07-6016
13-3057	WA07-5037
13-3058	WA07-6210
13-3059	WA07-5057
13-3130-L	WA07-5155
13-3130-R	WA07-5154
13-3131-L	WA07-5157
13-3131-R	WA07-5156
13-4001	WA15-5004
13-4002 09-612317	WA15-5000
13-4003	WA15-5025
13-4005	WA15-5089
13-4006	WA15-5002
13-4008	WA15-5008
13-4009	WA15-5005
13-4010 09-870817	WA15-5006
13-4011	WA15-5007
13-4050	WA15-5026
13-4102	WA15-5078
13-4105	WA15-5071
13-411-R	WA07-7239
13-4204	WA15-5088
13-4401	WA15-5062
13-4402	WA15-5053
13-4501	WA15-5073
13-4506	WA15-5074
13-4507	WA15-5075

DAYTON® #	WORLD AMERICAN® #
13-4511	WA15-5028
13-4512	WA15-5063
13-4519	WA15-5072
13-4525	WA15-5068
13-4530	WA15-5067
13-4531	WA15-5014
13-4601	WA15-5058
13-4602	WA15-5059
13-4605	WA15-5027
13-4606	WA15-5011
13-4701	WA15-5079
13-4702	WA15-5013
13-4703	WA15-5010
13-4704	WA15-5015
13-4705	WA15-5069
13-4706	WA15-5070
13-4720	WA15-5096
13-4722	WA15-5052
13-4723	WA15-5061
13-4724	WA15-5009
13-4750	WA15-5085
13-4801	WA15-5055
13-4802	WA15-5056
13-4807	WA15-5065
13-4820	WA15-5097
13-4850	WA15-5016
13-5002	WA15-5083
13-5003	WA15-5082
13-5004	WA15-5081
13-5005	WA15-5057
13-5006 9008422	WA15-5084
13-5007	WA15-5080
13-5008	WA15-5066
13-5009	WA15-5064
13-5012	WA15-5054
13-5014	WA15-5076
13-5015	WA15-5077
13-5016	WA15-5086
13-5020	WA15-5090
13-5037	WA15-5018
13-6001	WA07-6049
13-6002	WA07-5150
13-6003	WA07-5004
13-6004	WA07-5151
13-6006	WA07-7293
13-6008 08-008411	WA07-5005
13-6012	WA07-6225
13-6014	WA07-6226
13-6015	WA07-6227
13-6101	WA07-6051
13-6202	WA07-7201
13-6301	WA07-7313

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DAYTON® #	WORLD AMERICAN® #
13-6302	WA07-7166
13-6402	WA07-7292
13-6502	WA07-6052
13-6521	WA07-6006
13-6523	WA07-6008
13-6560 SLNC-104	WA07-7152
13-6561	WA07-6010
13-7000	WA07-6180
13-7001	WA07-7333
13-7002	WA07-6018
13-7007	WA07-7337

DAYTON® #	WORLD AMERICAN® #
13-7008	WA07-7338
13-7010	WA07-6182
13-7012	WA07-6183
13-7015	WA07-5206
13-7020	WA07-7346
13-7025	WA07-7351
13-7026	WA07-5209
13-7028	WA07-6181
13-7037	WA07-5207
13-7038	WA07-5208
13-7045	WA07-7348
13-7046	WA07-7350

DAYTON® #	WORLD AMERICAN® #
13-7048	WA07-7344
13-7049	WA07-7345
13-7050	WA07-6186
13-7055	WA07-6185
13-7202	WA07-5077
13-7204	WA07-5080
13-7208	WA07-5078
13-7210	WA07-5081
13-7216	WA07-5079
13-7218	WA07-5082
13-7226	WA07-6020
13-7228	WA07-6021

DAYTON® #	WORLD AMERICAN® #
13-8001	WA07-6202
13-8002	WA07-6118
13-8003	WA07-5152
13-8004	WA07-5018
13-8005	WA07-5153
CB-1510	WA07-5072
DN-100	WA07-5089
DN-12	WA07-5085
DN-78	WA07-5088
SCB-245	WA07-5075

INTERCHANGE: EUCLID® TO WORLD AMERICAN®

EUCLID® #	WORLD AMERICAN® #
E-10200L	WA07-7422
E-10200R	WA07-7421
E-10202R	WA07-6098
E-10206L	WA07-6101
E-10206R	WA07-6100
E-10208L	WA07-5353
E-10208R	WA07-5167
E-10209L	WA07-5503
E-10209R	WA07-5502
E-10210L	WA07-5505
E-10210R	WA07-5504
E-10213L	WA07-6338
E-10213R	WA07-6096
E-10214L	WA07-6340
E-10214R	WA07-6339
E-10215	WA07-5506
E-10216	WA07-5507
E-10217	WA07-5508
E-10218	WA07-7405
E-10219	WA07-6083
E-10220	WA07-5509
E-10221	WA07-5202
E-10222	WA07-6114
E-10223	WA07-7406
E-10224L	WA07-7263
E-10224R	WA07-6335
E-10225L	WA07-7308
E-10225R	WA07-7307
E-10229	WA07-6123
E-10230	WA07-5160
E-10231L	WA07-7267
E-10231R	WA07-7266
E-10241	WA07-6116

EUCLID® #	WORLD AMERICAN® #
E-10249L	WA07-6243
E-10249R	WA07-6242
E-10253L	WA07-5155
E-10253R	WA07-5154
E-10254L	WA07-5157
E-10254R	WA07-5156
E-10256	WA07-6353
E-10257	WA07-6319
E-10259L	WA07-6316
E-10259R	WA07-6104
E-10675	WA07-5203
E-10676	WA07-6088
E-11715	WA07-7291
E-1559	WA07-5041
E-1561	WA07-5095
E-1597A	WA13-1941
E-1901	WA13-1901
E-1902	WA13-1902
E-1903	WA13-1903
E-1904	WA13-1904
E-1905	WA13-1905
E-1906	WA13-1906
E-1907	WA13-1907
E-1908	WA13-1908
E-1909	WA13-1909
E-1910	WA13-1910
E-1911	WA13-1911
E-1912	WA13-1912
E-1913	WA13-1913
E-1914	WA13-1914
E-1915	WA13-1915
E-1916	WA13-1916
E-1917	WA13-1917

EUCLID® #	WORLD AMERICAN® #
E-1918	WA13-1918
E-1919	WA13-1919
E-1920	WA13-1920
E-1921	WA13-1921
E-1922	WA13-1922
E-1923	WA13-1923
E-1924	WA13-1924
E-1925	WA13-1925
E-1926	WA13-1926
E-1927	WA13-1927
E-1928	WA13-1928
E-1932	WA13-1932
E-1933	WA13-1933
E-1935	WA13-1935
E-1936	WA13-1936
E-1937	WA13-1937
E-2237	WA07-5093
E-2296	WA07-5402
E-2297	WA07-5404
E-2298	WA07-5403
E-2299	WA07-5405
E-2300	WA07-5406
E-2301	WA07-5407
E-2302	WA07-5408
E-2304	WA07-5385
E-2305	WA07-5384
E-2417	WA07-5394
E-2418	WA07-5393
E-2419	WA07-5392
E-2420	WA07-5397
E-2421	WA07-5396
E-2422	WA07-5395
E-2423	WA07-5415

EUCLID® #	WORLD AMERICAN® #
E-2424	WA07-5414
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LIMITED WARRANTY

Midwest Truck & Auto Parts, Inc.® (“Midwest Truck & Auto Parts”) warrants that all World American® branded products (“Product” or “Products”), except as otherwise provided herein, will be free from defects in material and workmanship for 1 year or 100,000 miles, whichever occurs first. Hydraulic and PTO parts are warranted to be free from defects in material and workmanship for 1 year, with no mileage limit. Air springs are warranted to be free from defects in material and workmanship for 3 years, with no mileage limit.

This warranty will not apply to any Product that has been modified, damaged or is defective as a result of any accident, misuse, improper installation, negligence, repair or alteration, or use in competitive applications. This warranty shall terminate immediately if ownership of the vehicle with the Product installed is transferred, or if the Product is reinstalled or reused on any subsequent vehicle.

To make a warranty claim, customers should contact their Midwest Truck and Auto Parts distributor for a return goods authorization (RGA) number. No returns will be accepted without an RGA number. All parts should be returned to Midwest Truck & Auto Parts, freight prepaid.

Midwest Truck & Auto Parts will issue a credit equal to the original purchase price for all defective Products covered by this warranty. In the event that a warranty claim cannot be substantiated by Midwest Truck & Auto Parts, the Products will be returned to the customer, freight collect.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL MIDWEST TRUCK AND AUTO PARTS BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOST WAGES, LABOR, TOWING OR ANY RENTAL CAR COSTS.

