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ARCO is a full service supplier of new and remanufactured electrical products for the starting and charging of marine engines. Located in the United States, **ARCO** has operated in Pensacola, Florida since 1960.

ARCO sells only original equipment quality items! All new and remanufactured units are assembled under the strictest quality control standards. **Each** and **every** unit is tested on the assembly line to ensure original equipment reliability.

ARCO products are distributed to thousands of dealers through a network of 180 national and international warehouse distributors worldwide.

ARCO stocks thousands of complete units and replacement parts to service everything from bass boats to battleships.

ARCO services all D.C. voltage systems, including clockwise and counterclockwise rotation starting motors.

ARCO catalogs only the items most frequently requested by our customers worldwide.

ARCO also supplies replacement parts for many “hard-to-find” and “obsolete” units from our constantly expanding inventory.



PART NUMBER QUICK REFERENCE



CHRIS CRAFT

16.60-00031	VR407
16.61-00026	40115
16.61-00042	50142
16.61-00043	50141
16.61-00044	50160
16.61-00045	50161
16.61-00048	50141
16.61-00050	50160
16.61-00051	50161
16.61-00053	VR406

CHRYSLER

177917	SW774
2095509	50110
2098300	VR405
2847527	VR405
2855927	50110
2875927	50110
2875928	50109
3527501	40112
3527502	40112
449541-1	6216
455541	6216
460917-1	SW295
480955	5393
490955	5393
575955	5382
F6169551	5393

CRUSADER

22611	SW295
39049	60104
39064	60104
39200	60075
42016	SW975
42090	30456
42091	30457
42150	30457
9006320	SW774
RU0050	SW456
RU0050A	SW463
RU0050B	SW463
R130014	SW295

DELCO

8000186	30459
8600002	20827
8400027	20822
8600514	20850
8600515	20840
8000500	5400
9000735	30470 & MBK450
9000762	30470 & MBK450
9000763	30460
9000768	30470 & MBK450
9000789	30470 & MBK450
9000819	30470 & MBK450

DELCO

9000820	30460
9000821	30470 & MBK450
9000822	30460
9000839	30470 & MBK450
9000840	30470 & MBK450
9000849	30470 & MBK450
9000884 S/P	30433
9000884 H/P	30470 & MBK450
9000885	30470 & MBK450
9000887	30462
9000888	30459
9000940	30470 & MBK450
9000974	5400
19010612	30457
19010615	30457
19010617	30456
19020600	20810
19020601	20800
19020604	20810
19020606	20820
19020608	20825
19020609	20800
19020611	20815
19020612	20815
19020616	20830
19020617	20821
19020618	20860
19020703	20840
19020704	20850
19020706	20840
19020707	20850

FORCE

811902	DV394
819222	DV393
819479A1	6276
819480A1	6276
820595	SR394
50-819085	5393
50-819968-1	7325
50-820193	5394
50-F616955-1	5393
827675A1	6255
87-F660917	R040
89-F460917-1	SW295
F15189	SR393
F15190	BK900
F177917	SW774
F575955	5382
F616955	5393

HITACHI

S106-07B	3421
S106-07E	3421
S106-07F	3421
S106-12B	3421
S108-80	3420
S108-80A	3420
S108-80B	3420
S108-87A	3423
S108-94	3412

HITACHI

S108-94A	3412
S108-94B	3412
S108-94C	3412
S108-97	3422
S108-97A	3422
S108-99B	3425
S108-112	3412
S108-120	3412
S114-221	3424
S114-221E	3424
S114-221F	3424
S114-221G	3424
S114-221H	3424
S114-221J	3424
S114-263B	3427
S114-303	98180
S114-303A	98180
S114-323	3426
S114-323A	3426
S114-323B	3426
S114-323C	3426
S114-407	3440
S114-415	3410
S114-415A	3410
S114-437	3444
S114-483	98185
S114-551	3442
S114-551A	3442
S114-552	3428
S114-552A	3428
S114-555	3440
S114-559B	3429
S114-561	3446
S114-571	3410
S114-571A	3410
S114-660	3428
S114-660A	3428
S114-660B	3428
S114-667	3410
S114-673	3444
S114-674	3442
S114-677	3446
S114-815	98185
S114-817A	98185
S114-828B	3430
S114-836A	3431
S114-838A	3432
S114-867	3433
S114-867A	3433

HONDA

31200-ZV5-013	3446
31200-ZV5-003	3446
31200-ZW5-003	3447
36120-ZV5-821	6239
36120-ZW4-H12	6237
36120-ZY3-013	6234
36120-ZY6-013	6235
36120-ZY9-003	6236

MARINE PWR

471200	20830
471201	20830
4711210	20830

MARINE PWR

475118	30459
1210-000	60050
0170-000	30459
0171-000	30457
0172-000	30460
0174-000	30470 & MBK450

MARINER

50-97072M	3424
50-97072T	3424
50-97693M	3420
50-804312T1	3430

MERCURY

12449	60050
13037	SW975
13310	DV380
13310-1	DV380
13310T1	DV380
14336A6	6275
14336A8	6275
14336A9	6275
14336A15	6275
14336A17	6275
14336A20	6275
15382	SW975
15386	SR380
15386001	SR380
17631	TR218
17631A1	TR218
17649	6218
17649A1	6218
17649A02	6218
17649T	6218
18525A1	M525
25661	SW661
25661-1	SW661
25661T1	SW661
25942	5374-6
32701	20102
33261	SW975
43076	DV385
43076T	DV385
47456A1	20102
47886	SW622
47886T	SW622
514995	5551
54981	SW981
54293A5	SW925
54293A10	SW926
54293A11	SW925
54293A13	SW926
56045	20102
57380	DV366
59755	20102
62351A1	AR351
62351A2	AR351
63292	BK900
65057A1	SW981
65057T1	SW981
68571-1	DV362
68575	DV377





PART NUMBER QUICK REFERENCE

MERCURY	ARCO	MERCURY	ARCO	MERCURY	ARCO	MERCURY	ARCO
68575-3	DV396	823653A9	6270	50-31976	5374	50-79821A2	30460
69729	20102	825096T01	SW945	50-32403	5374-6	50-79822A1	30460
68575T2	DV365	827675A1	6255	50-32411	5374X	50-79822A2	30460
75383	SR379	828151	R151	50-32703	30460	50-79823A1	30460
75384	BK900	828151A1	R151	50-32724A4	5374	50-8M0033984	5367
75384-1	BK900	828506	20850	50-37345A1	5366	50-8M0065220	3430
75661	DV380	828708	6250	50-38890A1	5366	50-8M0090697	30460
78403A1	60050	828708A1	6279	50-41583	5385	50-8M6001043	5400
78403A2	60050	828708T	6250	50-41583T	5385	50-8M8021116	30470
78477	20104	850402	DV457	50-44369A1	5388	50-803835T02	3421
79215	SR380	86177-1	DV381	50-44415	5380	50-803900T	5551
8M0007971	3432	862030T	20810	50-45120	30460	50-803903T	5382
8M0031551	6250	862030T01	20810	50-45822	5374	50-804312T1	3430
8M0058226	AR351	862031T	20800	50-46282	30460	50-805991	12213
8M0064020	20850	862031T1	20800	50-47454	30456	50-806963A2	30460
8M0064021	20840	863077T	20815	50-47455	30457	50-806963A4	30460
8M0123161	SW058	865202T	R202	50-48643A1	5374	50-806964A2	30470 & MBK450
8M6000803	20850	865380A13	6275	50-514955	5551	50-806964A3	30470 & MBK450
8M6000804	20840	875285T1	20840	50-55601A2	5366	50-806964A4	30470 & MBK450
802587	DV393	875286A-1	20850	50-56886	70200	50-806965A2	30460
802587T	DV393	87828	6218	50-57465A1	5377	50-806965A4	30460
802587T01	DV393	878265A1	6250	50-575955	5382	50-807904A1	30433
802639	DV380	878265A4	6250	50-57867A1	5374	50-808011A1	30457
802639T	DV380	881247A1	20850	50-58059	90105	50-808011A4	30459
802640	DV325	881248T	20840	50-58788	5374	50-808011A05	30459
802640T	DV325	88183A5	6275	50-58788A3	5374	50-812428A3	30470 & MBK450
802665T	DV394	88183A6	6275	50-59799	30460	50-812429A2	30460
803822T	SW774	88183A11	6275	50-60315	5375	50-812604A2	30470 & MBK450
804281T	R950	88183A12	6275	50-60594A1	5384	50-81490M	3424
804282T	R951	882751A1	R151	50-60594T01	5384	50-818445-2	5395
805447T	60065	882751A04	R751	50-64975	5378X	50-818445-3	5395
805884T	60065	883166A2	M532	50-65436	5375	50-818445-4	5395
807057	R202	888645T1	6263	50-65784A1	30457	50-818445-5	5395
807057T	R202	889274	SW925	50-65785A1	30456	50-819085	5393
807652T	60055	889955	20840	50-66015	5375	50-819085-1	5393
807653T	60060	889955T01	20840	50-66015-1	5392	50-819085T1	5393
809155	M874	889956	20850	50-66015-2	5375	50-819271	5397
809162	M875	891736T	6218	50-66015-3	5392	50-819968-1	7325
809463	SW463	891754T	DV365	50-66015-T	5392	50-819968-2	7325
809463-1	SW463	892940T	20860	50-66015T1	5375	50-819968-3	7325
809463A1	SW463	892940T01	20860	50-67341	5374	50-819968-4	7325
809885A1	6276	892940T02	20860	50-69863A1	30460	50-819968T4	7325
809885A2	6276	893907A02	6276	50-69864A1	30460	50-820193	5394
809885T2	6276	898265015	DV381	50-69865	50169	50-820193-1	5394
811628	6279	898265016	BK900	50-69865A1	50169	50-820193A1	5397
811674	6276	89902	SW975	50-72467	5377	50-820193T1	5394
811874	M874	92459A3	6270	50-72550	50143	50-820193003	5394
811874T	M874	92459A4	6270	50-72550A1	50143	50-822330A2	30470 & MBK450
811875	M875	92459A8	6270	50-72550A2	50143	50-822462	5396
811875T	M875	92497A3	60050	50-72550R2	50143	50-822462-1	5396
811883	M883	96562	DV367	50-73521	5379	50-822462T1	5396
811883T	M883	96564T	SR367	50-73521T	5379	50-825095	3426
811888	M888	98555	60050	50-76965A1	30457	50-830308	5364
811902	DV394	98555A1	60050	50-76965A3	30457	50-830308T	5364
813447	6276	50-F514955	5551	50-76965A4	30457	50-832997	7326
816770	AR351	50-F575955	5382	50-77141	5380	50-832997-1	7326
816770T	AR351	50-12121A2	30470 & MBK450	50-77328A1	30460	50-832997-2	7326
817119A1	60050	50-12177A2	30470 & MBK450	50-77328A3	30460	50-832997003	7326
817119A4	60050	50-12872	50169	50-79472	5380	50-833153	5381
819222	DV393	50-17251A3	30457	50-79472-1	5380	50-833153-1	5381
819222A1	DV393	50-29105	5374X	50-79472T2	5380	50-833153-2	5381
820583	DV325	50-30829	5366	50-79604A1	30456	50-833153-3	5381
820586	SR325	50-30842	5374X	50-79604A3	30456	50-833153-5	5381
820586T	SR325	50-30955	5374 W/ DV370				



PART NUMBER QUICK REFERENCE



MERCURY



50-833153T4	5381
50-834749	5362
50-84917M	3420
50-852570T	5359
50-853329T	5400
50-853805T01	3412
50-853869	5393
50-853869T	5393
50-854636T	5365
50-856996T	5381X
50-859168T	5359
50-859169T	5364
50-859170T	5365
50-859170T1	5365
50-859171T	5362
50-859377T	5360
50-863007A1	30433
50-864340A2	30470 & MBK450
50-86976	5381X
50-881368T1	3432
50-881368T2	3432
50-884044T	5360
50-884045T	5365
50-884238T	5380
50-888151T	5364
50-888160T	5365
50-888161T	5360
50-892339T	5400
50-892339T01	5400
50-893886T	5364
50-893887T	5365
50-893888T	5360
50-893889T	5367
50-893890T	5396
50-893891T	5375
50-893892T	5392
50-893893	5380
50-893894	5359
50-898265001	5362
50-898265002	5393
50-898265003	7325
50-898265005	5379
50-898265006	5366
50-898265007	5385
50-898265008	5381
50-898265009	5395
50-898265010	5377
50-898265011	5382
50-898265012	5388
50-898265013	5381X
50-90983A1	5367
50-90983T1	5367
50-92669M	3424
50-96359M	3420
50-97072M	3424
50-97072T	3424
50-97499A2	30456
50-97499A3	30456
50-97499R2	30456
50-97499R4	30456
50-97693M	3420
50-99417A2	30460
50-99418A2	30470 & MBK450
50-99419A3	30457

MERCURY



86-865202T	R202
87-18211	R211
87-61053	SW275
87-803632T	SW295
89-15857	SW275
89-18080	SW984
89-F460917-1	SW295
89-F654924-1	SW924
89-68258	SW275
89-68258A4	SW275
89-76416A1	SW394
89-76545	SW275
89-76545T	SW275
89-803629T	SW924
89-817109A1	SW109
89-817109A2	SW109
89-817109A3	SW109
89-818864	SW064
89-818864T	SW064
89-818997A1	SW097
89-818997A2	SW097
89-818997T1	SW097
89-818998A1	SW097
89-818998A2	SW097
89-818999A1	SW099
89-818999A2	SW099
89-825096	SW945
89-825096T	SW945
89-846070	SW058
H/D VERSION	SW058HD
89-850187A1	SW097
89-850187T1	SW097
89-850188A1	SW099
89-850188T1	SW099
89-850189	SW054
89-850189T	SW054
89-850408	SW456
89-853654A1	SW275
89-889273	SW924
89-889274	SW925
89-91975	SW054
89-94318	SW058
H/D VERSION	SW058HD
89-96054	SW054
89-96054T	SW054
89-96158	SW058
89-96158T	SW058
392-2940	TR217
392-8262	TR217
392-9250	TR217
F391926	PA924
F391926-1	PA924
FK460917	SW295

B.R.P - O.M.C. ARCO

172588	6228
172853	TR208
172869	SW340
173692	AR104
173944	6228
174942	5376
175019	5376

B.R.P - O.M.C. ARCO

277628	SW081
321648	DV376
328381	SR372
378444	SW081
380095	SW622
380361	6209
380973	VR404
381166	40152
381519	40152
381781	30460
382138	6209
382220	6209
383440	VR404
383443	40152
383575	5372X
383622	SW622
383691	5370
384163	5371
384198	30460
384233	40152
384777	5370
384781	DV371
384914	5372X
385401	5376
385529	5372
385844	SR371
385949	DV372
385952	BK900
386430	5369
386591	5376
386657	5370
386678	SR369
387094	5373
387277	6206
387683	DV373
387684	5371
387768	SR376
388955	AR103
389275	5371
389398	SW622
389493	SW622
389954	5372
390124	AR103
391264	6220
391511	5387
391735	5370
392133	5376
393259	6220
393570	5386
393988	6220
394176	6220X
395207	5373
395419	SW622
395840	6220
396235	5387
397023	5387
432925	5363
433226	6243
433850	BK900

B.R.P - O.M.C. ARCO

433852	SR363
434495	6241
434496	6241
434517	JSA517
434795	6220
435532	6242
435548	6244
437666	6244
437801	6242
438529	6241
438531	6241
438786	6238
438878	5363
439937	6238
580841	AR103
581305	AR103
581366	AR104
581528	SW340
581603	AR103
581778	AR104
582048	6206
582155	6206
582195	R473
582304	AR104
582307	AR103
582399	AR103
582472	R473
582473	R473
582708	SW622
583408	AR103
583473	5390
583482	5389
583940	AR104
584107	6206
584128	SW268
584416	R473
584580	SW580
584608	5368
584613	5361
584799	5387
584818	5398
584980	5399
585050	5370
585051	5372
585056	5389
585057	5372
585058	5370
585059	5390
585060	5386
585061	5376
585062	5373
585063	5371
585197	5370
585265	SR376
585266	SR372
585267	DV372





PART NUMBER QUICK REFERENCE

B.R.P - O.M.C.

586100.....	DV372
586101.....	DVK89
586102.....	DVK76
586147.....	R473
586180.....	SW622
586224.....	R473
586274.....	5361
586275.....	5368
586276.....	5369
586277.....	5398
586278.....	5376
586279.....	5389
586280.....	5371
586281.....	5370
586283.....	5372
586284.....	5399
586285.....	5386
586286.....	5363
586287.....	5363
586288.....	5373
586289.....	5387
586392.....	DV387
586411.....	5387
586730.....	SW730
586731.....	5387
586767.....	R767
586768.....	5358
586774.....	SW590
586842.....	SW394
586890.....	5387
586897.....	5387
586957.....	5387
587020.....	SW595
587045.....	5358
587078.....	5357
587291.....	5357
763454.....	5369
778991.....	5390
778992.....	5373
778993.....	5371
778994.....	5386
778995.....	5361
778996.....	5398
979768.....	6211
979774.....	SW774
979937.....	6211
980801.....	SW394
981074.....	30460
981078.....	30460
981186.....	40152
981187.....	40152
981410.....	SW268
981638.....	6211
981703.....	SW394
981821.....	70200
982058.....	6204
982069.....	6211
982073.....	6211
982107.....	30460
982121.....	30460
982151.....	TR211
982187.....	SW268
982189.....	SW394
982200.....	30460
982311.....	TR204

B.R.P - O.M.C.

982364.....	20104
982706.....	6204
983019.....	6220
983248.....	30460
983195.....	6214
983318.....	6211
983424.....	60125
983444.....	30460
983446.....	6220
983790.....	30460
984356.....	6206
984456.....	30470 & MBK450
984536.....	70212
984565.....	60125
984628.....	70216
985063.....	SW268
985064.....	SW730
985237.....	6220
985465.....	60125
985466.....	60125
985799.....	SW984
985964.....	40152
985966.....	30460
986008.....	60125
986505.....	30470 & MBK450
987774.....	60070
987811.....	70125
987883.....	SW125
987969.....	70200
988012.....	70125
988013.....	70212
988217.....	30460
988247.....	60125
0586767.....	R767
3850216.....	SW463
3850525.....	30470 & MBK450
3850526.....	30460
3853839.....	SW394
3853853.....	60125
3853869.....	SW984
3853982.....	30470 & MBK450
3853998.....	SW984
3854182.....	60125
3854190.....	70125
3854194.....	SW125
3854750.....	30460
3854751.....	30470 & MBK450
3854809.....	60125
3855177.....	30470 & MBK450
3855882.....	30460
3856600.....	60070
3857298.....	60125
3857533.....	R473
3857561.....	60070
3857747.....	30470 & MBK450
3858463.....	30460
3860566.....	30470 & MBK450
3860769.....	60125
5004518.....	JSA518
5005254.....	6238

B.R.P - O.M.C.

5005374.....	6241
5005376.....	6241
5005831.....	6248
5006319.....	6247
5009214.....	SW590
5036732.....	6240

PLSRCRAFT

R13001.....	SW394
R130013.....	SW125
R130014.....	SW295
R200000.....	70201
RA097002.....	40147
RA097006.....	60108
RA097006A.....	60108
RA097007.....	20815
RA097007A.....	20821
RA097007B.....	20825
RA097007C.....	20822
RA097009.....	20826
RA122001.....	70200
RA122002.....	70201
RA122004.....	70108
RA122008.....	30456
RA122009.....	30459
RA122014.....	70125
RA122015.....	30433
RA122016.....	30460
RA122019.....	30462
RU0050.....	SW456
RU0050A.....	SW463
RU0050B.....	SW463

SIERRA

18-5600.....	5373
18-5601.....	5366
18-5602.....	5374
18-5603.....	30459
18-5604.....	5375
18-5605.....	5379
18-5606.....	5388
18-5608.....	5380
18-5609.....	5381X
18-5610.....	5392
18-5611.....	5367
18-5612.....	5363
18-5613.....	5393
18-5614.....	5397
18-5617.....	5361
18-5618.....	7325
18-5619.....	5387
18-5620.....	5395
18-5621.....	5396
18-5622.....	5394
18-5623.....	5368
18-5624.....	5389
18-5626.....	5370
18-5627.....	5390
18-5628.....	5386

SIERRA

18-5629.....	5376
18-5630.....	5371
18-5631.....	5398
18-5632.....	5399
18-5634.....	5372
18-5635.....	5370
18-5636.....	5377
18-5639.....	5367
18-5640.....	5373
18-5641.....	5366
18-5642.....	5375
18-5643.....	5380
18-5644.....	5393
18-5645.....	5376
18-5646.....	5371
18-5647.....	5372
18-5648.....	5370
18-5649.....	5377
18-5650.....	DV366
18-5651.....	DV385
18-5655.....	DV376
18-5656.....	DV377
18-5658.....	DV381
18-5659.....	DV325
18-5671.....	DV390
18-5673.....	DV393
18-5674.....	DV380
18-5675.....	DV387
18-5677.....	DV394
18-5678.....	DV389
18-5679.....	DVK72
18-5680.....	DVK76
18-5682.....	DV396
18-5697.....	BK900
18-5700.....	R809
18-5702.....	R952
18-5704.....	R832
18-5705.....	R473
18-5707.....	AR351
18-5708.....	AR103
18-5709.....	AR104
18-5710.....	VR405
18-5711.....	VR404
18-5712.....	VR407
18-5714.....	VR095
18-5727.....	VR406
18-5728.....	VR405
18-5729.....	R211
18-5800.....	R012
18-5801.....	SW394
18-5802.....	SW981
18-5803.....	SW774
18-5804.....	SW975
18-5807.....	SW081
18-5808.....	SW622
18-5811.....	SW463
18-5812.....	SW268
18-5813.....	SW268
18-5814.....	SW340
18-5815.....	SW275
18-5816.....	SW054
18-5817.....	SW058
18-5818.....	SW064
18-5819.....	SW097



PART NUMBER QUICK REFERENCE



SIERRA		SIERRA		SIERRA		SIERRA	
18-5820	SW099	18-6261	60070	18-6454	20840	18-6932	98185
18-5821	SW945	18-6262	60122	18-6455	20850	18-6937	98180
18-5822	SW926	18-6263	60108	18-6754	6209	18-6943	5359
18-5823	SW580	18-6264	R036	18-6755	6204	18-6946	30470
18-5833	SW590	18-6265	60071	18-6756	6228	18-6947	12213
18-5834	SW109	18-6266	R040	18-6758	6223	18-6952	60150
18-5835	SW295	18-6267	R211	18-6759	6220	18-6955	60170
18-5836	SW661	18-6268	R177	18-6760	6265	18-18409	6259
18-5837	SW984	18-6269	SW340	18-6761	6206	18-56001	SR410
18-5838	SW975	18-6270	70212	18-6762	6216	18-56002	SR446
18-5841	SW774	18-6271	R670	18-6763	6217	18-56003	SR420
18-5879	SW950	18-6274	6224	18-6764	6211	18-56004	SR424
18-5882	60073	18-6275	30433	18-6765	6270	18-56005	SR426
18-5900	30460	18-6276	70212	18-6767	6208	18-56006	SR428
18-5901	30456	18-6277	6244	18-6767-1	6208	18-56007	SR429
18-5902	30457	18-6278	84150	18-6769	6275	18-56008	SR440
18-5903	70200	18-6280	6242	18-6769-1	6275	18-56009	SR444
18-5904	70201	18-6281	6238	18-6770	6227	23-5900	86050
18-5905	30470 & MBK450	18-6282	7326	18-6771	M525		
18-5906	10113	18-6283	5381	18-6772	6218	SUZUKI	
18-5907	30456	18-6284	84135	18-6773	6250	31100-87D00	3442
18-5908	30457	18-6285	6243	18-6774	6279	31100-87D10	3442
18-5910	30470 & MBK450	18-6286	6255	18-6775	6274	31100-92E00	3442
18-5911	30460	18-6287	SW450	18-6777	6276	31100-94400	3412
18-5913	30470 & MBK450	18-6288	20825	18-6778	M532	31100-94401	3412
18-5914	70200	18-6289	SW125	18-6780	6241	31100-94402	3412
18-5915	70201	18-6292	10113	18-6781	6260	31100-94500	3444
18-5916	70216	18-6293	20800	18-6783	6240	31100-94510	3444
18-5917	70216	18-6298	20815	18-6785	6269	31100-94511	3444
18-5918	10113	18-6299	20830	18-6786	6268	31100-94512	3444
18-5919	30460	18-6410	3420	18-6787	6261	31100-94600	3444
18-5920	70125	18-6411	3422	18-6788	6264	31100-94610	3444
18-5923	70200	18-6412	3424	18-6789	6266	31100-94611	3444
18-5927	70216	18-6413	3426	18-6798	6263	31100-94610	3444
18-5929	20860	18-6414	3440	18-6804	6233	31100-94610	3444
18-5939	80108	18-6415	3428	18-6805	6232	31100-95600	3440
18-5943	80108	18-6416	3444	18-6811	6259	31100-95601	3440
18-5945	65055	18-6417	3442	18-6812	6266	31100-96310	3412
18-5950	20102	18-6418	3410	18-6813	6275	31100-96311	3412
18-5951	20104	18-6420	3421	18-6814	6206	38100-87D01	6269
18-5954	40112	18-6421	3423	18-6815	6248	38100-87E20-OED	6268
18-5956	20102	18-6422	3425	18-6816	6228	38100-92E00-OED	6268
18-5957	60050	18-6423	3427	18-6817	6232	38100-92E00-OEP	6268
18-5959	80108	18-6424	3429	18-6821	6267	38410-94540	R950/951
18-5960	60060	18-6425	3429	18-6822	5384		
18-5963	40152	18-6426	3430	18-6825	5381X		
18-5964	40152	18-6427	3431	18-6826	5358	TOHATSU	
18-59640	40152	18-6430	3421	18-6827	3444	FM5900	3410
18-5965	60065	18-6432	3412	18-6828	5385	3C8-76010-10	3412
18-5966	60050	18-6433	3446	18-6829	5359	353-76010-1A0	3410
18-5967	60055	18-6434	5369	18-6838	6225	353-76010-04	3410
18-5972	60124	18-6435	5360	18-6841	20102	353-76010-300	3410
18-5979	60072	18-6436	5362	18-6842	60125		
18-5983	20810	18-6437	5364	18-6843	60075	UNIVERSAL	
18-5984	20820	18-6438	5365	18-6844	60073	275753	40112
18-6250	SR102	18-6439	5382	18-6847	60076	277584	40147
18-6251	SR104	18-6440	5400	18-6848	60074	288182	60108
18-6252	TR208	18-6441	5551	18-6851	BI-1203	288759	60108
18-6253	TR217	18-6443	30462	18-6852	BI-1602		
18-6254	TR217	18-6450	20821	18-6854	BI-1603		
18-6257	6214	18-6451	20827	18-6855	BI-0702		
18-6258	6239	18-6452	20826	18-6860	WH800	VOLVO	
18-6259	6267	18-6453	20822	18-6861	3429	1214764	R040
18-6260	60125			18-6863	5368	1324492	R670
				18-6864	5397	1501832	R832
				18-6925	84135		





REPLACEMENT OUTBOARD STARTERS

3410 (NEW)

FITS: TOHATSU 45-140 HP, **2 Stroke**

Replaces: Hitachi S114-415A, S114-415, S114-571A, S114-667

9-tooth drive gear

DV510*

9-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3410, Hitachi S114-667, Tohatsu FM 5900

SR410*

Brush holder assembly w/brushes available

3412 (NEW)

FITS: SUZUKI, TOHATSU, NISSAN 30-40 HP, **2 Stroke**

Replaces: Hitachi S108-94, S108-112, S108-120

9-tooth drive gear

DV512*

9-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3412, Hitachi S108-120, Tohatsu 3C8-76010-100

SR412*

Brush holder assembly w/brushes available

3420 (NEW)

FITS: YAMAHA 25-40 HP, **2 Stroke**
MARINER 20-40 HP, **2 Stroke**

Replaces: Hitachi S108-80, S108-80A, S108-80B

11-tooth drive gear

DV520*

11-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3420, Hitachi S108-80B, Yamaha 689-81800-13

SR420*

Brush holder assembly w/brushes available

3421 (NEW)

FITS: YAMAHA

1984-1997 9.9-15 HP

1988-1998 25 HP

MERCURY 9.9 HP, **4 Stroke**

15 HP, 4 Stroke

Replaces: Hitachi S106-07B, S106-07E, S106-07F

10-tooth drive gear



3422 (NEW)

FITS: YAMAHA

1984-UP 70 HP

1991-UP 60 HP, **2 Stroke**

Replaces: Hitachi S108-97A

9-tooth drive gear

DV522*

9-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3422, Hitachi S108-97A, Yamaha 6H3-81800-11

SR422*

Brush holder assembly w/brushes available

3423 (NEW)

FITS: YAMAHA

1987-Up 30 HP

1989-Up 40-50 HP

Replaces: Hitachi S108-87A

11-tooth drive gear

DV523*

11-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3423, Hitachi S108-87A, Yamaha 6F5-81800-11

SR423*

Brush holder assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



3424 (NEW)

FITS: YAMAHA, MARINER
55-60 HP 2-Cyl, 2 Stroke Engines
Replaces: Hitachi S114-221
9-tooth drive gear

DV524*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3424, Hitachi S114-221J, Yamaha 697-81800-13

SR424*

Brush holder
assembly w/brushes
available

3425 (NEW)

FITS: YAMAHA
1984-1988 40-50 HP
Replaces: Hitachi S108-99B
9-tooth drive gear

DV525*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3425, Hitachi S108-99B, Yamaha 6H4-81800-12

SR425*

Brush holder
assembly w/brushes
available

3426 (NEW)

FITS: YAMAHA
1984-1996 115-200 HP, 2 Stroke
1995-2000 40-50 HP, 4 Stroke
MERCURY 40-50 HP, 4 Stroke
S/N OG472132 & BELOW
Replaces: Hitachi S114-323
9-tooth drive gear

DV526*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3426, Hitachi S114-323C, Yamaha 6E5-81800-12

SR426*

Brush holder
assembly w/brushes
available

3427 (NEW)

FITS: YAMAHA
1994-1999 75 HP
1991-1996 85 HP
1984-UP 90 HP
Replaces: Hitachi S114-263B,
9-tooth drive gear

DV527*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3427, Hitachi S114-263B, Yamaha 688-81800-12

SR427*

Brush holder
assembly w/brushes
available

3428 (NEW)

FITS: YAMAHA 115-225 HP, 2 Stroke
Replaces: Hitachi S114-552, S114-660
9-tooth drive gear

DV528*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3428, Hitachi S114-660B, Yamaha 6N7-81800-10

SR428*

Brush holder
assembly w/brushes
available

3429 (NEW)

FITS: YAMAHA
1998-UP V200, 1994-UP 225 HP
1990-UP 250 HP
Replaces: Hitachi S114-559B
9-tooth drive gear

DV529*
9-tooth
drive gear



***Will Fit These Starters Only:**

ARCO 3429, Hitachi S114-559B, Yamaha 61A-81800-01

SR429*

Brush holder
assembly w/brushes
available





REPLACEMENT OUTBOARD STARTERS

3430 (NEW)

FITS: YAMAHA
1999-Up 80 HP, 4 Stroke
1999-Up 100 HP, 4 Stroke
MERCURY/MARINER
75 HP, 4 Stroke
90 HP, 4 Stroke
 Replaces: Hitachi S114-828B
13-tooth drive gear



3431 (NEW)

FITS: YAMAHA
2000-Up LZ 150-175 HP
2000-Up VZ 150-175 HP
2000-Up Z 150-175 HP
2000-Up LZ 200-Z200 HP
 Replaces: Hitachi S114-836A
13-tooth drive gear



3432 (NEW)

FITS: YAMAHA
2000-Up F115, 4 Stroke
2000-Up LF115, 4 Stroke
2005-UP 50, 60, 75 HP 4 Stroke
MERCURY 90-115 HP EFI, 4 Stroke
 Replaces: Hitachi S114-838A
13-tooth drive gear



3433 (NEW)

FITS: YAMAHA
2004-Up 150 HP, 4 Stroke
2005-Up 250 HP, 4 Stroke
2006-Up 225 HP, 4 Stroke
 Replaces: Hitachi S114-867
13-tooth drive gear



3440 (NEW)

FITS: SUZUKI 75/85 HP
1988-2000 2 Stroke
 Replaces: Hitachi S114-555
9-tooth drive gear



DV540*
9-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3440, Hitachi S114-555, Suzuki 31100-95601

SR440*

Brush holder assembly w/brushes available

3442 (NEW)

FITS: SUZUKI 90/100, 150-225 HP, 2 Stroke
 Replaces: Hitachi S114-551, S114-674
8-tooth drive gear



DV542*
8-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3442, Hitachi S114-674, Suzuki 31100-92E00

SR442*

Brush holder assembly w/brushes available

3444 (NEW)

FITS: SUZUKI 115-140 HP, 2 Stroke
 Replaces: Hitachi S114-437, S114-673
9-tooth drive gear



DV544*
9-tooth drive gear



***Will Fit These Starters Only:**

ARCO 3444, Hitachi S114-673, Suzuki 31100-94610

SR444*

Brush holder assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



Tech Tip • Excess oil or grease may cause drive failure.
• Be sure to follow the lubrication directions shown on page 12.



“DO NOT”

SPRAY OIL OR OTHER LUBRICANTS ON O/B STARTER DRIVES

The O/B Starter Drives are Rubber Cushioned Drives. If any oil gets between the compression nut and the rubber grip surface, drive failure will result.



“DO”

REMOVE THE DRIVE ASSEMBLY WHEN APPLYING LUBE TO THE SHAFT

Always remove the drive assembly before applying lube to the shaft. Only apply a thin film of water resistant grease to the shaft. Make sure to wipe off any excess.

3446 (NEW)

FITS: HONDA

35,40,45 & 50 HP, **4 Stroke**
Replaces: Hitachi S114-677,
S114-561

Honda 31200-ZV5-013,
31200-ZV5-003

9-tooth drive gear
CW Rotation



Starter To be discontinued when present stock is exhausted.

***Will Fit These Starters Only:**

ARCO 3446, Hitachi S114-677

SR446*

Brush holder
assembly w/brushes
available

3447 (NEW)

FITS: HONDA

2002 - UP 115 & 130 HP
Replaces: Mitsubishi MOT 60381
Honda: 31200-ZW5-003

13-tooth drive gear



5357 (NEW)

FITS: EVINRUDE G2 ENGINES

Replaces: BRP 587078 & 587291
14-tooth drive gear

SW357

Replacement solenoid



5358 (NEW)

FITS: EVINRUDE

40, 50, 75, 90 HP
E-Tec Models
9-tooth drive gear

DV358

9-tooth drive gear



SR358

Complete rear housing
assembly w/brushes
available

5359 (NEW)

FITS: MERCURY/MARINER

8, 9.9, 13.5, 15 HP, **4 Stroke**
YAMAHA 15 HP, **4 Stroke**
9-tooth drive gear

DV359

9-tooth drive gear



SR359

Complete rear housing
assembly w/brushes
available

5360 (NEW)

FITS: MERCURY

2001-UP 40, 50, 60 HP
4-cyl, **4 Stroke**
9-tooth drive gear

DV360

9-tooth drive gear



SR360

Complete rear housing
assembly w/brushes
available





REPLACEMENT OUTBOARD STARTERS

Tech Tip

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- Be sure to follow the lubrication directions shown on page 12.

5361 (NEW)

FITS: O.M.C.
1993-UP 9.9-15 HP
Small 10-tooth drive gear
 2" casing

DV361
 Small 10-tooth drive gear



SR361

Complete rear housing assembly w/brushes available

5362 (NEW)

FITS: MERCURY 40-50 HP
1997-UP 4-Stroke
9-tooth metric drive gear

DV362
 9-tooth metric drive gear



SR362

Complete rear housing assembly w/brushes available

5363 (NEW)

FITS: O.M.C.
1991-UP 150-175 HP
 V6 Eagle-Series
1997-UP V4 and V6
2003 75/90/115 HP
2003-UP 90/105/115
 60° Engine
2004-UP 100-175 HP
 Direct Injection

DV517
 9-tooth drive gear



DV518
 10-tooth drive gear



JSA517

Jack shaft assembly/9-tooth drive gear
 Fits Johnson Evinrude carbureted engines

JSA518

Jack shaft assembly/10-tooth drive gear
 Fits Johnson Evinrude direct injection engines



SR363

Complete rear housing assembly w/brushes available

5364 (NEW)

FITS: MERCURY
1998-UP 25 HP, 4 Stroke
Yamaha 25 HP, 4 Stroke
9-tooth drive gear

DV364
 9-tooth drive gear



SR364

Complete rear housing assembly w/brushes available

5365 (NEW)

FITS: MERCURY
 30/40/50/60 HP
1999-UP 3-cyl, 4 Stroke
2000-UP Yamaha
40HP, 4 Stroke
9-tooth drive gear

DV365
 9-tooth drive gear



SR365

Complete rear housing assembly w/brushes available

5366 (NEW)

FITS: MERCURY
 35-50 HP
9-tooth drive gear

DV366
 9-tooth drive gear



SR366

Complete rear housing assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



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• Be sure to follow the lubrication directions shown on page 12.

NOTE
When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.
ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5367 (NEW)
FITS: MERCURY/MARINER
1986-1996 6-15 HP
1980-2003 18-25 HP
10-tooth drive gear
2½" motor casing



DV367
10-tooth drive gear



SR367
Complete rear housing assembly w/brushes available

5368 (NEW)
FITS: O.M.C.
1997-2000
9.9/15 HP, 4-stroke
10-tooth drive gear



DVK68*
2-pc drive kit
*See NOTE



SR368
Complete rear housing assembly w/brushes available

5369 (NEW)
FITS: O.M.C.
8/9.9-11 HP
1997-1998 4 stroke
1977-1992 9.9-15 HP
10-tooth drive gear
2" motor casing



DV369
10-tooth drive gear



SR369
Complete rear housing assembly w/brushes available

Save Time With ARCO SR107 - BRUSH LOADING TOOL See page 57

Makes brush loading as simple as 1-2-3
The "perfect tool" for loading outboard starter brushes.
Strong stainless steel construction.



One Tool Fits All These Caps!

(1) Depress Brushes and Slide End Cap In Tool

(2) Insert Armature

(3) Remove Tool Leaving Brushes Loaded For Assembly





REPLACEMENT OUTBOARD STARTERS

Tech Tip

- Excess oil or grease may cause drive failure.
- Be sure to follow the lubrication directions shown on page 12.

NOTE
 When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.
ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5370 (NEW)
 FITS: O.M.C.
 55-75 HP 3-cyl
 9-tooth drive gear



DV370*
 9-tooth drive gear
 *See NOTE



DVK70*
 2-pc drive kit
 *See NOTE

SR370
 Complete rear housing assembly w/brushes available

5371 (NEW)
 FITS: O.M.C.
 50-60 HP 2-cyl
 9-tooth drive gear



DV371*
 9-tooth drive gear
 *See NOTE



DVK71*
 2-pc drive kit
 *See NOTE

SR371
 Complete rear housing assembly w/brushes available

5372 (NEW)
 FITS: O.M.C.
 85-140 HP V4
 Small 10-tooth drive gear



DV372*
 Small 10-tooth drive gear
 *See NOTE



DVK72*
 2-pc drive kit
 *See NOTE



SR372
 Complete rear housing assembly w/brushes available

5372X (NEW)
 FITS: O.M.C.
 1969-1970 85-115 HP
 1971-1972 85-125 HP
 Large 10-tooth drive gear



DV372X
 Large 10-tooth drive gear



SR372
 Complete rear housing assembly w/brushes available

5373 (NEW)
 FITS: O.M.C.
 150-235 HP V6
 8-tooth drive gear



DV373
 8-tooth drive gear



SR373
 Complete rear housing assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



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• Be sure to follow the lubrication directions shown on page 12.

NOTE

When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.

ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5374 (NEW)

FITS: MERCURY
65-85 HP 4-cyl
10-tooth drive gear



DV374
10-tooth drive gear

SR374
Complete rear housing assembly w/brushes available

5374X (NEW)

FITS: MERCURY
1956-1957 25-30 HP
1957 55 HP
1958 30-55 HP
1959 35 & 55 HP
Large 10-tooth drive gear



DV374X
Large 10-tooth drive gear

SR374
Complete rear housing assembly w/brushes available

5375 (NEW)

FITS: MERCURY/MARINER
50-90 HP/65 HP Jet
10-tooth drive gear



DV375
10-tooth drive gear



SR375
Complete rear housing assembly w/brushes available

5376 (NEW)

FITS: O.M.C.
18-40 HP
11-tooth drive gear



DV376*
11-tooth drive gear
*See NOTE



DVK76*
2-pc drive gear kit
*See NOTE

SR376
Complete rear housing assembly w/brushes available

5377 (NEW)

FITS: MERCURY/MARINER
90-175 HP Inline
150 HP V6
10-tooth drive gear



DV377
10-tooth drive gear



SR377
Complete rear housing assembly w/brushes available





REPLACEMENT OUTBOARD STARTERS

Tech Tip

- Excess oil or grease may cause drive failure.
- Be sure to follow the lubrication directions shown on page 12.



NOTE

When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.

ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5378X (NEW)

FITS: MERCURY/MARINER
V150 HP, V175 HP
Large 10-tooth drive gear



DV378X

Large 10-tooth drive gear

SR380

Complete rear housing assembly w/brushes available

5379 (NEW)

FITS: MERCURY/MARINER
40-50 HP
10-tooth drive gear



DV379

10-tooth drive gear

SR379

Complete rear housing assembly w/brushes available

5380 (NEW)

FITS: MERCURY/MARINER
135-200 HP V6
105 HP Jet
8-tooth drive gear



DV380

8-tooth drive gear

SR380

Complete rear housing assembly w/brushes available

5381 (NEW)

FITS: MERCURY
1999-UP 2.5 DFI
1996-1999 200 HP V6 DFI
1998-Up 225 HP V6 DFI
1999-Up 3.0L V6
9-tooth drive gear



DV381

9-tooth drive gear

SR381

Complete rear housing assembly w/brushes available

5381X (NEW)

FITS: MERCURY/MARINER
150-225 HP
9-tooth drive gear



DV381

9-tooth drive gear

SR380

Complete rear housing assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



Tech Tip • Excess oil or grease may cause drive failure.
• Be sure to follow the lubrication directions shown on page 12.

NOTE

When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.

ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5382 (NEW)
FITS: CHRYSLER/FORCE
35-50 HP
11-tooth drive gear



DV382
11-tooth drive gear

SR382
Complete rear housing assembly w/brushes available



5384 (NEW)
FITS: MERCURY/MARINER
2.0L, 2.4L, 2.5L V6,
COUNTER-ROTATING,
RACING OUTBOARDS
10-tooth drive gear



DV384
10-tooth drive gear

SR384
Complete rear housing assembly w/brushes available

5385 (NEW)
FITS: MERCURY
35-40 HP, 2-cyl
10-tooth drive gear



DV385
10-tooth drive gear



SR385
Complete rear housing assembly w/brushes available

5386 (NEW)
FITS: O.M.C.
1985-Up
120-140 HP V4
10-tooth drive gear



DV386*
10-tooth drive gear
*See NOTE



DVK86*
2-pc drive kit
*See NOTE



SR386
Complete rear housing assembly w/brushes available

5387 (NEW)
FITS: O.M.C.
V6, V8 loop, 115-300 HP E-TEC
10-tooth drive gear



DV387
10-tooth drive gear



SR387
Complete center housing assembly w/brushes available





REPLACEMENT OUTBOARD STARTERS

Tech Tip • Excess oil or grease may cause drive failure.
• Be sure to follow the lubrication directions shown on page 12.

NOTE
When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.
ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5388 (NEW)
FITS: MERCURY
50-60 HP, 3-cyl,
1991-1996 45 HP Jet
10-tooth drive gear

DV388
10-tooth drive gear



SR388
Complete rear housing assembly w/brushes available

5389 (NEW)
FITS: O.M.C.
1989-Up 25, 40, 50 HP; 2-cyl
1990-Up 48-50 HP
9-tooth drive gear



DV389*
9-tooth drive gear
*See NOTE



DVK89*
2-pc drive kit
*See NOTE

SR389
Complete rear housing assembly w/brushes available

5390 (NEW)
FITS: O.M.C.
1987-1993 20-35 HP; 2-cyl
9-tooth drive gear



DV390*
9-tooth drive gear
*See NOTE



DVK90*
2-pc drive kit
*See NOTE



SR390
Complete rear housing assembly w/brushes available

5392 (NEW)
FITS: MERCURY/MARINER
100-125 HP Inline 4-cyl;
80 HP Jet
8-tooth drive gear



DV392
8-tooth drive gear



SR392
Complete rear housing assembly w/brushes available

5393 (NEW)
FITS: CHRYSLER/FORCE
70-150 HP
9-tooth drive gear



DV393
9-tooth drive gear



SR393
Complete rear housing assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS



Tech Tip

• Excess oil or grease may cause drive failure.
• Be sure to follow the lubrication directions shown on page 12.

NOTE

When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.

ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5394 (NEW)

Determine location of the battery stud on starter being replaced before ordering - See 5397

FITS: FORCE
1996-1999 40-50 HP
13-tooth drive gear



Battery stud exits **BOTTOM** of starter

DV394

13-tooth drive gear

SR394

Complete rear housing assembly w/brushes available

5395 (NEW)

FITS: MERCURY/MARINER
1994-Up 225 HP
8-tooth drive gear



DV395

8-tooth drive gear

SR395

Complete rear housing assembly w/brushes available

5396 (NEW)

FITS: MERCURY
1994-1996 30-40 HP, 2-cyl, 55-60 HP
1997-Up 45 HP Jet
10-tooth drive gear



DV396

10-tooth drive gear

SR396

Complete rear housing assembly w/brushes available

5397 (NEW)

Determine location of the battery stud on starter being replaced before ordering - See 5394

FITS: FORCE
1992-1995 40 HP
1992-1995 50 HP
13-tooth drive gear



Battery stud exits **SIDE** of starter

DV397

13-tooth drive gear

SR397

Complete rear housing assembly w/brushes available

5398 (NEW)

FITS: O.M.C.
1997-1999
25-35 HP 3-cyl
10-tooth drive gear



DVK98*

2-pc 10-tooth drive gear

*See Note

SR398

Complete rear housing assembly w/brushes available



REPLACEMENT OUTBOARD STARTERS

Tech Tip • Excess oil or grease may cause drive failure.
• Be sure to follow the lubrication directions shown on page 12.

NOTE
When ordering drive assemblies for B.R.P./O.M.C. starters, be aware that some B.R.P./O.M.C. outboard starters use a 2-piece drive assembly; older B.R.P./O.M.C. starters use a 1-piece drive assembly.
ORDER THE CORRECT DRIVE. THEY ARE NOT INTERCHANGEABLE!

5399 (NEW)
MOTOR ONLY
FITS: O.M.C.
90-115 HP
1997-UP 60° V4
1998-2000 80 HP
1998-2000 100 HP



DV517
9-tooth drive gear



JSA517
Jack shaft assembly/9-tooth drive gear
Fits Johnson Evinrude carbureted engines



SR399
Complete rear housing assembly w/brushes available

5400 (NEW)
FITS: MERCURY
2001-UP
135-250 HP
200-250 Sport Jet
2005-UP
VERADO 4 STROKE
200-275 HP
14-tooth drive gear



SW463
Replacement solenoid

5551 (NEW)
FITS: CHRYSLER
25-35 HP
Large 10-tooth drive gear



DV551
Large 10-tooth drive gear

SR551
Complete rear housing assembly w/brushes available

7325 (NEW)
FITS: MERCURY/FORCE
90-120 HP Sport Jet
9-tooth drive gear



DV325
9-tooth drive gear

SR325
Complete rear housing assembly w/brushes available

7326 (NEW)
FITS: MERCURY
1996-UP V6 Sport Jet
8-tooth drive gear



DV326
8-tooth drive gear

SR326
Complete rear housing assembly w/brushes available



An ARCO Warranty Protects You From Defects in MATERIALS OR WORKMANSHIP... The Warranty **DOES NOT** cover such things as:



FREIGHT DAMAGE

ARCO part boxes are not shipping boxes. If you are shipping a part to a customer or sending a warranty return, the part must be packaged in a way to prevent possible damage. Place extra packing material around the part, place it back in the part box and then into a well packed, sturdy shipping container.

To prevent damage, properly pack all parts before reshipment.



BROKEN SOLENOIDS

The solenoid was not broken when the starter was packaged to be shipped. We have special boxes made for the starters, and we use special packing materials to ensure the item will arrive to the customer safely. Sometimes, though, the packages are mishandled by the carrier (i.e., dropped or thrown) and the solenoid becomes damaged. This is the carrier's responsibility. It is not a material defect; therefore it is **not covered by warranty.**



RUST, CORROSION, SUBMERSIONS OR BURNOUTS

ARCO treats every component with a special rust and corrosion resistant coating to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is **not covered by warranty.** Starter burnouts are caused by the starter running for extended periods of time without a cool down period causing the windings to overheat. This could be caused by a defective ignition switch, water in the ignition switch, defective starter relay or cranking for long periods of time without allowing the starter to cool down. Burnouts **are not covered by warranty.**

BROKEN MOUNTING FLANGES OR SHAFTS

A broken flange is typically caused by improper installation. The mounting holes may look evenly spaced in a triangular pattern, but they are not—one hole is slightly offset. Forcing a mounting bolt into the offset hole may cause the flange to break. This may also occur if the mounting bolts are not tightened evenly. A broken shaft is caused by a malfunction in the gearbox. These breaks are not material defects, and they are **not covered by warranty.**



CUT WIRES OR DISMANTLED UNITS

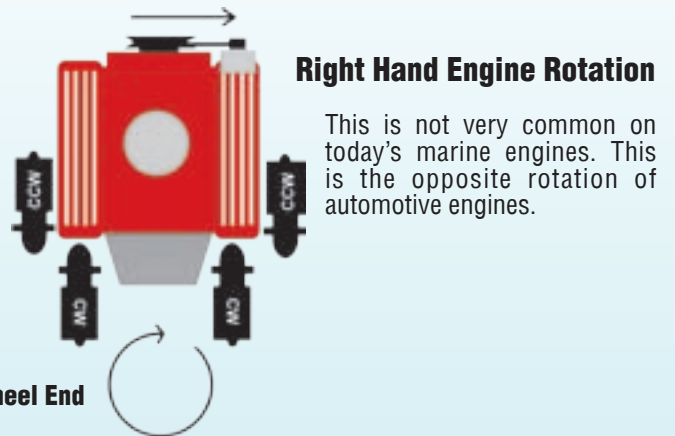
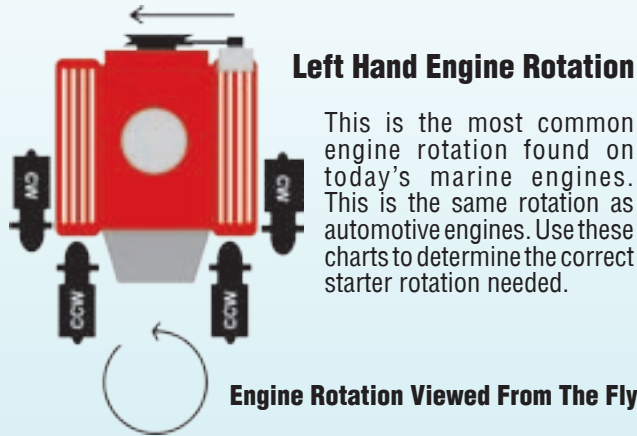
Cutting a unit's wires or dismantling a unit immediately voids the manufacturer's warranty. In addition, taking a motor off the reservoir and trying to install it on an old reservoir usually damages the brushes and seals in the motor. Disassembled parts are **not covered by warranty.**

BROKEN NOSE HOUSINGS, DRIVE GEARS OR INTERNAL GEARS

This type of failure is always blamed on a bad casting, defective drive gear or internal gears. In fact, it is caused when a starter, spinning at a high rate of rpm, comes to an abrupt stop. This can occur when an engine backfires or momentarily releasing the start switch and re-engaging the starter before it has spun down. It may also happen when a cylinder suffers a water hydraulic lock. In either case, the damage is not due to a defective part, and is **not covered by warranty.**



How To Determine The Correct Starter Rotation



Another way to determine the starter rotation is to inspect the chamfer on the starter drive gear. The bevel will always be on the trailing edge.



Clockwise Rotation



Counter Clockwise Rotation

Important Check Points



Worn Out Battery

Batteries cause more trouble than any other component in a marine electrical system.

Always make sure the battery is completely charged and load tested before replacing other components.



Loose Connections

Be sure to check all the terminals and connections and make sure they are clean and tight.

Important Check Points



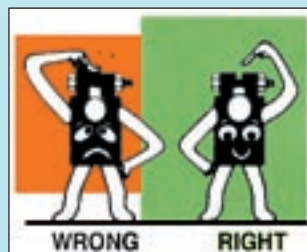
High Resistance

This is a very common problem found in marine electrical systems. Corrosion, undersized wire, or bad connections will cause low voltage to the electrical components. Low voltage causes high heat and will destroy electrical devices. Be sure to check for voltage drops.



Incorrect Wiring

Incorrect wiring can cause burnouts. Always tag the wires when removing an electrical component.



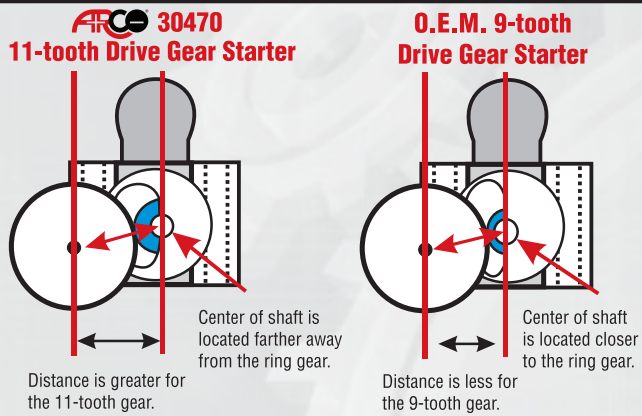
Loose Battery Clamps

Cable terminals must be tight. If the ends of the clamps touch at the top, disconnect the cable clamps and shave the ends of the clamp jaws with a file so there is a gap.

DRIVE GEARS

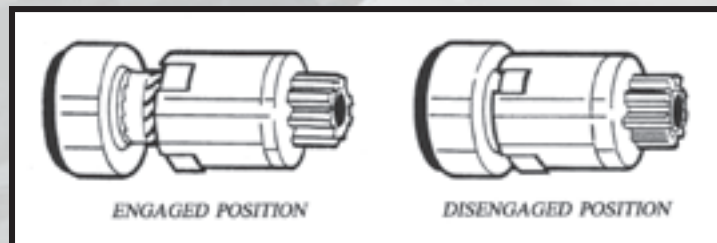
DID YOU KNOW...

Did you know the gear profile for the 9-tooth O.E.M. gear reduction starter and the 11-tooth ARCO High Performance gear reduction starter are the same? The only difference is the diameter of the drive gear. Since the 11-tooth drive gear has two more teeth it is naturally larger in diameter. To compensate for its smaller diameter, the center of the 9-tooth drive gear is located closer to the flywheel. Both starters are thus completely interchangeable. These are powerful starters and we are able to take advantage of a better gear ratio using this 11-tooth gear.



INERTIA DRIVES GEARS

As shown here, spinning the drive with a wire wheel in the direction it clicks will disengage the locks.



Do not condemn a drive until it has been tried in actual operation and proven faulty.

The Folo-Thru type drive currently used on many starting motors has brought about difficulty due to a misunderstanding of operating and lack of information on proper servicing. This fact has been reflected by the number of drives returned for warranty which are fully operative.

The Folo-Thru drive is designed to lock and remain in the extended or engaged position until the engine starts and reaches approximately 400 to 500 RPM. The drive to flywheel rotation is fifteen to one. When the engine is turning at 400 RPM, the starter drive gear is turning 6,000 RPM. If the drive is locked in the extended position it has to be reinstalled on the engine and the engine started or the drive must be turned in excess of 6,000 RPM by a wire wheel mounted on an electric bench grinder to make it disengage.

The reason the pinion locks in the engaged position is to assure the starter continues to crank until the engine has started, thus preventing false starts. This is accomplished by using a spring loaded pin which rides on one of the pinion screw threads and drops into a hole when the pinion is in the fully engaged position. This locks the pinion in the engaged position. When the engine starts, the flywheel of the engine drives the starter pinion. A clutch mechanism is built into the pinion to protect the starter from excessive RPM.

The clutch allows the pinion to turn faster or overrun the armature shaft. When the engine reaches 400-500 RPM, the pinion spins fast enough to create the needed centrifugal force to throw the spring loaded pin out of the hole in the shaft and allow the pinion to disengage.

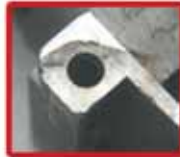
We could tell you why your starter failed, but we thought you might like to see for yourself.

If left unchecked, these problems will result in premature starter failure REGARDLESS of the STARTER MANUFACTURER.



Although the outside of the starter (at bottom right) looks fine, the flywheel picked up water from the bilge and pumped it inside the starter causing the corrosion shown here.

WATER INTRUSION IS THE #1 CAUSE OF STARTER FAILURE. If water gets pumped into the motor portion of the starter from the flywheel, it will not drain out. As you can see, rust and corrosion will destroy the inside components of the starter.

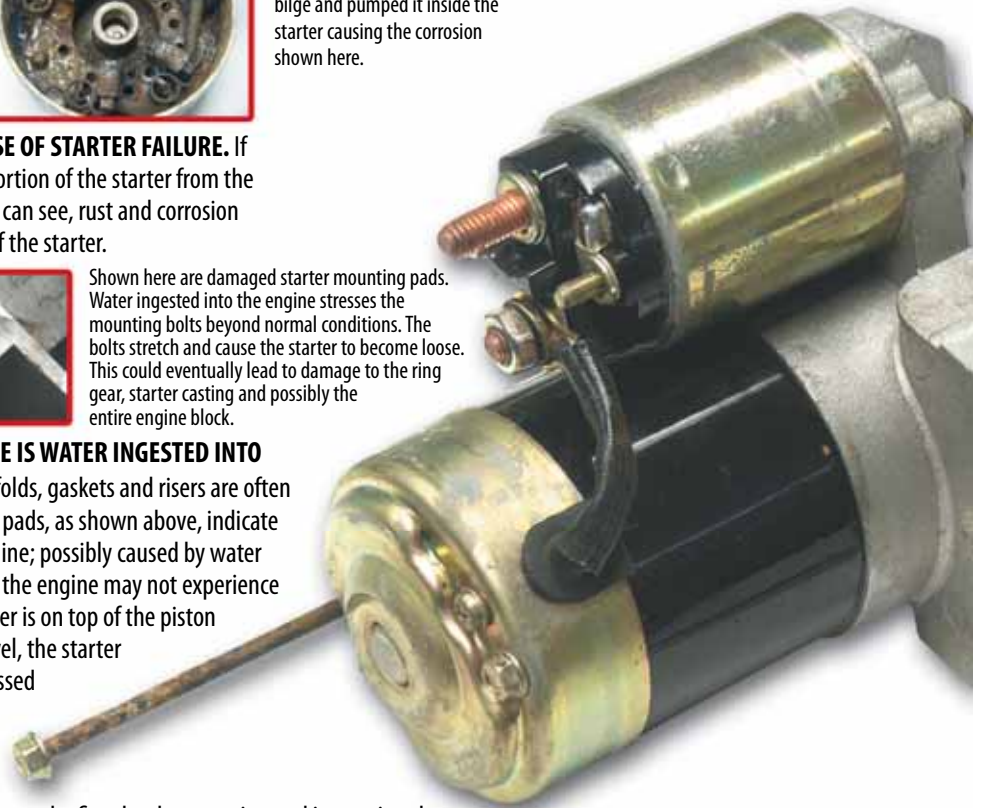


Shown here are damaged starter mounting pads. Water ingested into the engine stresses the mounting bolts beyond normal conditions. The bolts stretch and cause the starter to become loose. This could eventually lead to damage to the ring gear, starter casting and possibly the entire engine block.

THE #2 CAUSE OF STARTER FAILURE IS WATER INGESTED INTO THE ENGINE. Leaking exhaust manifolds, gaskets and risers are often the source. Damage to the mounting pads, as shown above, indicate the starter has been loose on the engine; possibly caused by water ingestion into the cylinder. Although the engine may not experience a complete hydro lock, if enough water is on top of the piston to raise the compression to a high level, the starter bolts and mounting pads will be stressed beyond normal load conditions.

DON'T BE FOOLED BY OUTWARD APPEARANCES. As shown here, the outside condition of the starter appears to be fine, but by removing and inspecting the lower starter case bolt, it is obvious water has gotten inside the starter.

These problems are not the fault of the starter. Simply replacing the starter without first locating and correcting the source of water intrusion will only result in more starter failures.



Tech Tip

These types of damage are NOT COVERED BY WARRANTY

REPLACEMENT INBOARD STARTERS



Tech Tip

Rust, Corrosion or Submersions are

NOT COVERED BY WARRANTY

ARCO treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

30433 (NEW)
VALUE PRICED!
STANDARD DUTY
 Direct O.E.M. replacement
 Gear-reduction starter.
FITS: ALL GM ENGINES
 with 14" flywheel using a
 staggered bolt pattern.
 Recommended for late model 3.0 Liter
 with 14" flywheel using tail bracket.



Can also be used in place of 10MT with two long bolt staggered pattern or 30470!

*Mounting bolt kit MBK450 required if replacing 10MT.

SW463 Replacement Solenoid

30456 (NEW)
HIGH-PERFORMANCE
FITS: MERCUISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.
 14MT, CW Rotation



30457 (NEW)
HIGH-PERFORMANCE
FITS: MERCUISER, CRUSADER, MARINE POWER, PLEASURECRAFT, AND OTHERS.
 14MT, CCW Rotation



Replaces this 10 MT style starter

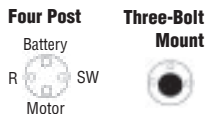
DV456
 CW Rotation Replacement Drive
 Fits: Delco 14 MT, ARCO 30456 starter



DV457
 CCW Rotation Replacement Drive
 Replaces: Mercury 850402
 Fits: Delco 14 MT, ARCO 30457 starter



SW456
 14 MT Replacement Solenoid
 4 Post, 3-Bolt Mount



30459 (NEW)
HIGH-PERFORMANCE
FITS: MERCUISER, CRUSADER, MARINE POWER, AND OTHERS.
 Light weight and compact;
Permanent magnet, Gear-reduction.
CCW Rotation



SW463 Replacement Solenoid

30460 (NEW)
HIGH-PERFORMANCE
 Permanent magnet
 Gear-reduction starter
FITS: MERCUISER, COBRA, YAMAHA, VOLVO PENTA
 CW Rotation
 12 3/4" flywheel



INCLUDES
 MOUNTING
 BOLTS & GASKET



Replaces this 10 MT style starter

30460 Will Replace all CW Rotating 10MT Starters with One Long and One Short Bolt Straight Across Pattern.

SW450
 Replacement solenoid
 For ARCO 30460 & 30470 only!





REPLACEMENT INBOARD STARTERS

Tech Tip

Rust, Corrosion or Submersions are

NOT COVERED BY WARRANTY

ARCO treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

30462 (NEW)

FITS: 6.0L GM ENGINES

Permanent magnet Gear-reduction starter with two long bolt slight offset bolt pattern



SW463 Replacement Solenoid

50109

HEAVY-DUTY FITS: CHRYSLER

318 Marine V8 Two-bolt mount, 1 threaded hole 12 Volt, **CW rotation**



50110

12 Volt, **CCW Rotation**

30470 (NEW)

HIGH-PERFORMANCE Permanent magnet Gear-reduction starter

FITS: VOLVO PENTA, MERCUISER, MARINE POWER, ETC. Two long bolt staggered pattern 14" flywheel, **CW Rotation** Will also replace 9-tooth OEM version.



30470 Will Replace all CW Rotating 10MT Starters with Two Long Bolt Staggered Pattern. DOES NOT INCLUDE MOUNTING BOLT KIT - SEE BELOW.



Replaces this 10 MT style starter

MBK450

MOUNTING BOLT KIT REQUIRED if replacing 10MT style starters.



SW450

Replacement solenoid For **ARCO** 30460, & 30470 only!



50134

HEAVY-DUTY FITS: CHRIS CRAFT, HARMAN MARINE

Three-bolt mount (two 3/8" holes, one 5/16" threaded hole) 12 Volt, **CW Rotation**



50135

12 Volt, **CCW rotation**

Electrical Technical Manual

Published by Mechanics for Mechanics

TM001

Electrical Technical Manual



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REPLACEMENT INBOARD STARTERS



Tech Tip

Rust, Corrosion or Submersions are

NOT COVERED BY WARRANTY

ARCO treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

50137

HEAVY-DUTY

FITS: CHRIS CRAFT AND OTHERS

Three-bolt mount, (two 3/8" holes, one 5/16" threaded hole)
12 Volt, CW Rotation



50138

12 Volt, CCW rotation

50141

HEAVY-DUTY

12 Volt, CCW rotation



50142

HEAVY-DUTY

FITS: CHRIS CRAFT, VOLVO PENTA V8

Two-bolt mount

12 Volt, CW rotation

50143

HEAVY-DUTY

FITS: MERCUISER 470

Threaded mounting stud in case

12 Volt, CW rotation



50160

HEAVY-DUTY

FITS: CHRIS CRAFT

Three-bolt housing
12 Volt, CW rotation



50161

HEAVY-DUTY

FITS: CHRIS CRAFT

12 Volt, CCW rotation

50169

HEAVY-DUTY

FITS: MERCUISER 888, 302, 351 FORDS

Two-bolt mount

12 Volt, CW rotation



70106

FITS: CRUSADER AND OTHERS W/FORD ENGINES

Nose extends 2" into flywheel

Two-bolt mount

12 Volt, CW rotation

Side battery terminal

70107

12 Volt, CCW rotation

Side battery terminal

SW394

Replacement solenoid



To be discontinued when present stock is exhausted.



REPLACEMENT INBOARD STARTERS

Tech Tip

Rust, Corrosion or Submersions are

NOT COVERED BY WARRANTY

ARCO treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

70108

FITS: 460 FORDS
Heavy Duty
12 Volt, CW rotation



To be discontinued when present stock is exhausted.

70117

FITS: MANY LATE MODEL FORDS
Mod II style;
4 1/2" diameter case
Nose extends 2 5/8" into flywheel
Two-bolt mount
12 Volt, CW rotation
Rear battery terminal



SW394 Replacement solenoid

To be discontinued when present stock is exhausted.

70125 (NEW)

HIGH PERFORMANCE
Permanent magnet
Gear-reduction starter
FITS: MANY LATE MODEL
5.0L, 5.8L FORDS
12 Volt, CW rotation



SW125

Replacement solenoid

70200 (NEW)

HIGH PERFORMANCE
Permanent magnet
Gear-reduction starter
FITS: 302, 351 FORDS
12 Volt, CW rotation
Kit includes wiring harness to replace conventional starter.



70201 (NEW)

HIGH PERFORMANCE
CCW ROTATION
Same as above except **CCW rotation**.



Will also replace conventional style starter

SW125 Replacement solenoid

70212 (NEW)

HIGH PERFORMANCE
Permanent magnet
Gear-reduction starter
FITS: 460 FORD ENGINES
Replaces: O.M.C. 988013
12 Volt, CW rotation
Two-bolt mount with 3/8" x 18 threaded mounting ear.
Kit includes wiring harness to replace conventional starter.



Will also replace conventional style starter

SW125 Replacement solenoid



REPLACEMENT INBOARD STARTERS



Tech Tip

Rust, Corrosion or Submersions are

NOT COVERED BY WARRANTY

ARCO treats every component with special rust and corrosion resistant coatings to prevent water damage. However, it is impossible to protect the unit from direct contact with water. Therefore, a failure directly caused by rust, corrosion or submersion is not covered by warranty.

70216 (NEW)
HIGH PERFORMANCE
Permanent magnet
Gear-reduction starter
FITS: 2.3L FORD ENGINES
Replaces: O.M.C. 988012
12 Volt, **CW** rotation
Three-bolt mount.
Kit includes wiring harness to replace conventional starter.



SW125 Replacement solenoid



Will also replace conventional style starter

97225 (NEW)
Gear-reduction starter
FITS: VOLVO PENTA TMD40, TMD41, KAD42 and others.
Replaces: PARIS RHONE/VALEO D9R116, D9R144, D11E167T
Three-bolt mount, 12 Volt, CW rotation



SW225 Replacement solenoid

DV225 Replacement drive gear

98170
Lucas M45G starter
FITS: PERKINS 4-108VA
propulsion
13-tooth drive gear
12 volt, **CW** rotation



To be discontinued when present stock is exhausted.

98180 (NEW)
FITS: YANMAR
GM, GM2, GM3,
GM10, GM20/2-20F,
GM30, GMF, 1GM,
2GM, 3GM
Replaces: HITACHI S114-303, S114-303A



98185 (NEW)
FITS: YANMAR
3JH and 4JH, engines
Replaces: HITACHI S114-483, S114-815



10113 (NEW)
Gear-reduction starter
FITS: VOLVO PENTA
4 cyl, 6 cyl gas
Aluminum pinion housing
w/2 threaded mounting holes
Permanent magnet,
12 volt, **CW** rotation



12213 (NEW)
FITS: CUMMINS 6BT.
10-tooth drive gear
12 Volt, **CW** rotation







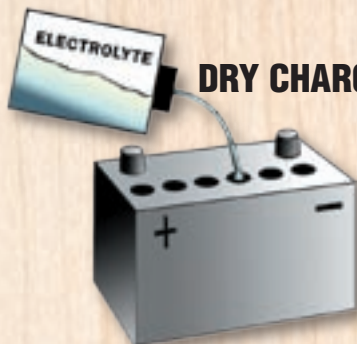
IMPORTANT BATTERY FACTS

A good battery can provide four or five years of worry-free service with the right kind of care.

Bigger is better! The battery you are replacing does not have to be the same size as the original. **IT IS ALWAYS BETTER TO HAVE EXTRA BATTERY CAPACITY.**

POINTS TO REMEMBER

-  **The battery is the heart of the electrical system**
-  **Always start troubleshooting at the battery**
-  **Never store a battery in a discharged state**
-  **Never add anything except distilled water to a battery**



DRY CHARGED BATTERIES MUST BE CHARGED BEFORE USING

Many small batteries are supplied with the electrolyte in a separate container. If you have to fill a new battery with electrolyte, **YOU MUST PLACE THE BATTERY ON A QUICK CHARGER.** The charging system will never bring the battery to a fully charged state. **THE BATTERY CAPACITY WILL NEVER BE ABOVE 80%.** Pulling the battery out later and trying to charge it will not work. **THE BATTERY'S CAPACITY HAS BEEN PERMANENTLY CUT BY 20% AND THERE IS NOTHING YOU CAN DO ABOUT IT.**

BATTERIES WILL SELF DISCHARGE WHEN STORED

Batteries will self discharge when stored for long periods of time. This is a normal process with all lead acid batteries. **Always charge the battery to full charge before storing.** Also disconnect the negative battery cable. This will keep the small system drains from accelerating the discharge process. The best way to avoid shortened battery life is **use a SMART CHARGER (not a trickle charger)** on the battery when it's not being used. A smart charger is a charging device that will maintain the battery at a full state of charge by only charging the battery when the voltage drops to a specified level without overcharging.



ELECTROLYTE BECOMES WATER IN A DISCHARGED BATTERY



As a battery becomes discharged the percentage of sulfuric acid in the electrolyte becomes less. The sulfuric acid combines with the lead plates producing lead sulfate. As this happens **the electrolyte solution becomes pure water.** A discharged battery will freeze in cold climates, which will destroy the insulators and plates inside it.

LOOSE BATTERY TERMINAL ENDS CAN DESTROY A BATTERY

Loose or corroded battery cable lugs can cause all sorts of problems. When the starter is engaged the loose or corroded connection can cause a heavy arc which will melt the post right out of the battery. If the battery is gassing, the arc can cause the battery to explode. Never use the temporary type battery ends. These are only good for emergency use and will become corroded in a short period of time. **Always use a crimped and sealed battery cable end or replace the battery cable.**



Make sure there is a gap between the ends of the terminal when tight.



DO NOT CUT WIRES OR DISMANTLE UNITS

Cutting a units wires or dismantling a unit immediately voids the manufacturer's warranty. Water can easily seep into the motor through cut wiring. In addition, taking a motor off the reservoir and trying to install it on an old reservoir usually damages the brushes in the motor. Disassembled parts are not covered by warranty.

6204 (NEW)
FITS: O.M.C.
3-wire connection
2-bolt mount



6206 (NEW)
FITS: O.M.C.
3-wire connection
3-bolt mount



6209 (NEW)
FITS: O.M.C.
2-wire connection



6211 (NEW)
FITS: O.M.C.
stern-drive 1979-1985
2.5L, 3.0L
3-wire connection
Ring Terminal Ends





REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS

6213 (NEW)
FITS: GOOD AUTOMATIC WINDLASS
 Ring Terminal Ends



Will also replace units with this style shaft

6216 (NEW)
(MOTOR/RESERVOIR ONLY)
FITS: CHRYSLER, O.M.C.
 3-wire connection



6217 (NEW)
(MOTOR/RESERVOIR ONLY)
FITS: B.M.W., MERCURISER, VOLVO PENTA
 Includes: Screws, gasket & adapter
 Ring Terminal Ends



TAK217
 Screws, gasket, adapter

To be discontinued when present stock is exhausted

TR217
 Complete end cap assembly w/brushes and springs available

6218 (NEW)
(MOTOR ONLY)
FITS: MERCURISER I/O'S AND MERCURY OUTBOARDS W/OILDYNE PUMP
 12 Volt
 Ring Terminal Ends



Replaces early square-style motor

6219
 24 Volt
 Slow speed motor
 Fits Jack lift for racing outboards

TR218
 Brush repair kit for 6218

6220 (NEW)
HEAVY-DUTY
FITS: O.M.C.
 2-wire connection
Includes O-ring
3-bolt mount
 Male Spade Terminal Ends
96" Leads



R473
 Relay available

6220X (NEW)
HEAVY-DUTY, FITS: O.M.C.
 2-wire connection, **Includes O-ring, 3-bolt mount**
 Male Spade Terminal Ends
62" Leads



6223 (NEW)
HEAVY-DUTY
FITS: VOLVO PENTA
 Female Spade Terminal Ends



REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS



6224 (NEW)

(COMPLETE)

FITS: VOLVO PENTA

Includes: Hydraulic valve body
Ring Terminal Ends



6225 (NEW)

(MOTOR/ RESERVOIR ONLY)

Fits: PRESTOLITE

To be discontinued
when present stock
is exhausted



← Replaces this style
Prestolite Pump

6232 (NEW)

(MOTOR ONLY)

FITS: ARCO 6227,

LATE MODEL

VOLVO PENTA

W/OILDYNE PUMP

2-wire connection



NOTE:

Distance between
mounting bolts: 2.5"
Bolt size: 10x32 fine thread

6233 (NEW)

FITS: LATE MODEL

VOLVO PENTA SX

MODELS.

Replaces Teleflex
Motor and Volvo part
number 3861575



NOTE:

Distance between
mounting bolts: 2.3"
Bolt size: 10x24 coarse thread

6227 (NEW)

(COMPLETE)

FITS: VOLVO PENTA - THRU 1999

W/OILDYNE PUMP



6232

(MOTOR ONLY)

M531 (NEW)

RESERVOIR KIT

FITS: ARCO 6227

Includes: Reservoir,
cap, and O-ring



Fits Oildyne Pump ONLY

For new style 4 screw
mount see M533 in
miscellaneous section

6234 (NEW)

HEAVY-DUTY

FITS: HONDA

2002-Up BF175, BF200, BF225

4-bolt mount,

Round Plug-In

Connector

Includes O-ring

Replaces Honda

part number

36120-ZY3-013





REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS

6235 (NEW)

HEAVY-DUTY
FITS: HONDA
2004-Up BF135, BF150
4-bolt mount,
 Round Plug-In
 Connector
Includes O-ring
 Replaces Honda
 part number
 36120-ZY6-013



6238 (NEW)

HEAVY-DUTY
Fits: O.M.C.
1998-Up
 75 HP-250 HP FFI
 Outboard Engines
4-bolt mount,
 Female Sealed
 Terminal Ends
Includes O-ring



6236 (NEW)

HEAVY-DUTY
FITS: HONDA
2007-Up BF75, BF90
4-bolt mount,
 Round Plug-In
 Connector
Includes O-ring
 Replaces Honda
 part number
 36120-ZY9-003



6239 (NEW)

HEAVY-DUTY
FITS: HONDA
1992-2002 35-50 HP
 2-wire connection
Includes O-ring
4-bolt mount
Hollow-hex shaft
 Female Spade
 Terminal Ends



6237 (NEW)

HEAVY-DUTY
FITS: HONDA
2004-Up BF40, BF50
4-bolt mount,
 Round Plug-In
 Connector
Includes O-ring
 Replaces Honda
 part number
 36120-ZW4-H12



6240 (NEW)

HEAVY-DUTY
FITS: YAMAHA
1997-UP 115 HP
2000-UP 115 HP **4-Stroke**
1997-2000 130 HP
1997-UP 150-200 HP
1998-UP 225 HP
 2-wire connection
4-bolt mount,
 Ring Terminal Ends
Includes O-ring



REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS



6241 (NEW)

HEAVY-DUTY

FITS: O.M.C. 60, 70, 90,
115, 150, 175 HP

1991-Up 200, 225 HP,

1991-94 120, 140 HP

1995-UP 50 HP 3-cyl, 60 HP, V4 130 HP

1997-Up 115-200 HP

1998-99 225 HP 2-wire connection

4-bolt mount, Flat-blade shaft

Female Spade Terminal Ends



R473

Relay available

**Includes O-ring and adaptor to
replace motors with hollow hex shafts**

**ALSO REPLACES OEM MOTORS WITH
HOLLOW HEX SHAFT**

6242 (NEW)

HEAVY-DUTY

FITS: O.M.C.

1992-Up J-suffix 40, 48, 50 HP

2-wire connection

Includes O-ring, 4-bolt mount

Hollow-hex shaft

Female Spade Terminal Ends



R473

Relay available

6243 (NEW)

HEAVY-DUTY

FITS: O.M.C.

1989-1992 M-suffix 40, 48, 50 HP

2-wire connection;

4-bolt mount, Includes O-ring

Hollow-hex shaft

Male Spade Terminal Ends



R473

Relay available

6244 (NEW)

HEAVY-DUTY

FITS: O.M.C.

1993 V6

1993-Up Commercial V8

2-wire connection;

3-bolt mount,

Includes O-ring

Flat-blade shaft

Female Spade Terminal Ends



R473

Relay available

6247 (NEW)

HEAVY-DUTY

FITS: EVINRUDE ETEC

2005-2009 70-90 HP

2007-2009 115 HP

2009- 130 HP

2-wire connection

4-bolt mount, Includes

TAK247 mounting kit,

Flat-blade shaft



TAK247

**Mounting bolts, flat washers,
O-ring and couplers**

6248 (NEW)

HEAVY-DUTY

FITS: EVINRUDE ETEC

2005-2009 40-50 HP

2006-2009 60 HP

2009- 25-30 HP

2-wire connection

4-bolt mount, Includes

TAK247 mounting kit,

Flat-blade shaft



TAK247

**Mounting bolts, flat washers,
O-ring and couplers**



REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS

6250 (NEW)

HEAVY-DUTY

FITS: Late model MERCURY

135, 150 XR6, Magnum III,
175, 200, 225, 250 HP,
105-140 HP Jet

2-wire connection,

2-bolt mount

Includes O-ring

Flat-blade shaft

Bullet Connector Terminal Ends



This motor will NOT replace an early model Mercury cartridge pump motor!

6259 (NEW)

HEAVY-DUTY

FITS: YAMAHA

2001-2004 50 HP 4 Stroke

2002-2004 60 HP 4 Stroke

2001-2006 40 HP 2 Stroke (TLR)

2003-2009 50 HP 2 Stroke (TLR)

2-wire connection

3-bolt mount

Includes O-ring

Ring Terminal Ends



OEM unit pictured
ARCO Replacement
will look different

6255 (NEW)

HEAVY-DUTY

FITS: Late model

MERCURY/FORCE

25-50 HP outboards

2-wire connection

4-bolt mount

Flat-blade shaft

Bullet Connector

Terminal Ends



6260 (NEW)

HEAVY-DUTY

FITS: YAMAHA

1992-2002 90 HP

1992-1995 50-90 HP

1994 40 HP

1996 70-90 HP

1997-Up 60, 70, 90 HP

2-wire connection,

3-bolt mount

Includes O-ring

Flat-blade shaft

Ring Terminal Ends



6257 (NEW)

HEAVY-DUTY

FITS: YAMAHA

2004-2015 50/60HP

4 Stroke, 2-wire

connection

3-bolt mount, ring

terminal ends

Includes O-ring

Replaces Yamaha part numbers

6C5-43880-01 & 6C5-43880-00



6261 (NEW)

HEAVY-DUTY

FITS: YAMAHA

1999-2004 75, 80, 90 &

100 HP **4 Stroke** O/B Engines

2-wire connection

4-bolt mount,

Ring Terminal Ends

Includes O-ring



6258 (NEW)

HEAVY-DUTY

FITS: YAMAHA

2005-UP 75 HP 4 Stroke

2005-UP 90 HP 4 Stroke

2-wire connection

4-bolt mount

Includes O-ring & Coupler

Ring Terminal Ends



6263 (NEW)

HEAVY-DUTY

FITS: YAMAHA

2002-2009 200, 225,

250 HP **4 Stroke**

2002-2009 200-300 HP

2 Stroke

2-wire connection

3-bolt mount

Includes O-ring

Ring Terminal Ends





6264 (NEW)
HEAVY-DUTY
FITS: YAMAHA
1985-1992
 40-50 HP
 2-wire connection
4-bolt mount,
Includes O-ring
 Ring Terminal Ends



6268 (NEW)
FITS: SUZUKI ONLY
1991-1997 DT90,
1991-2000 DT100,
1991-2003 DT150,
1991-1992 DT175,
1991-2000 DT200,
1991-2003 DT225
WILL NOT FIT TOHATSU OR
NISSAN. 2-wire connection
3-bolt mount
Includes O-ring and adaptor
 Ring Terminal Ends



6265 (NEW)
HEAVY-DUTY
FITS: YAMAHA
1987-1995
 115-200 HP Outboards
1990-1993 225 HP
 2-wire connection
3-bolt mount
Includes O-ring
Flat-blade shaft
 Ring Terminal Ends



6269 (NEW)
FITS: SUZUKI DT 150/200
 3-wire connection
3-bolt mount
Includes O-ring
 Ring Terminal Ends



6266 (NEW)
FITS: YAMAHA
1995-Up 40/50 HP
 2-wire connection
3-bolt mount
Includes O-ring
 Ring Terminal Ends



6270 (NEW)
(COMPLETE)
FITS: Late model MERCURY
 225-275 HP Outboards w/Oildyne pump
 Ring Terminal Ends



6271 (NEW)
(COMPLETE)
 Slow speed unit used for racing applications

6274 (NEW)
HEAVY-DUTY
FITS: Late model
MERCURY/MARINER
& FORCE 75-125 HP
 outboards w/single
 ram 3-wire connection;
4-bolt mount
 Hollow-hex shaft
 (Motor/Reservoir Only for Trim
 Pump Assembly 824051)
Includes stainless steel
mounting screws,
shaft adaptor, O-ring
and fill plug.
 Ring Terminal Ends



6267 (NEW)
FITS: YAMAHA
 Early 70, 90, 115,
 150-200 HP
 3-wire connection
3-bolt mount
 Ring Terminal Ends
 4-mm thick shaft
 blade with 68.3-mm
 mounting collar.
Includes O-ring





REPLACEMENT TILT/TRIM MOTORS & REPAIR KITS

6275 (NEW)
(COMPLETE)
FITS: Late model MERCUISER
 w/Oildyne pump
 Ring Terminal Ends

6218 MOTOR ONLY

M525 (NEW)
 Reservoir kit
FITS: ARCO 6275
Includes: Reservoir, cap, O-ring,
mounting screw

For new style 4 screw mount
Mercuriser 883166A2 see M532
in miscellaneous section



6277 (NEW)
HEAVY-DUTY
(MOTOR ONLY)
FITS: ARCO
 cartridge pump 6278 only!
2-bolt mount
 Ring Terminal Ends

Fits ARCO style
 cartridge pump only



Motor WILL NOT fit original Mercury pump.

To be discontinued when present stock is exhausted

6276 (NEW)
HEAVY-DUTY
FITS: Late model
MERCURY/MARINER, FORCE
 40-125 HP outboards
 w/single ram
 2-wire connection
4-bolt mount
 Hollow-hex shaft
 (Motor/Reservoir Only)
Includes stainless
steel mounting screws, shaft adaptor,
O-ring and fill plug.
 Bullet Connector Terminal Ends



Will also replace these style units



TAK276
 Mounting bolts, O-ring, fill cap and
 shaft adapters for tilt/trim motors



6279 (NEW)
HEAVY-DUTY
FITS: MERCURY/MARINER
 outboards w/Design II
 3 ram, three-wire trim units
 Hollow-hex shaft
W/AFT FILL RESERVOIR
 3-wire connection
2-bolt mount
Shaft adaptor and
O-ring included.
 Ring Terminal Ends



Replaces this
 square motor



CHARGING SYSTEMS

NOTE: ALTERNATORS ARE NOT BATTERY CHARGERS



* ENGINE HORSEPOWER REQUIRED FOR ALTERNATORS

For every 23 AMPS of alternator output about one horsepower is required.

FOR EXAMPLE: A 12 volt, 115 AMP alternator requires 5 horsepower.

(115 divided by 23 = 5 horsepower). A 24 volt unit requires twice the horsepower.



* ALTERNATORS ARE NOT BATTERY CHARGERS

Alternators are designed to supply current for the accessory load and maintain the charge of the battery. **Most alternators can safely charge at only two-thirds of their maximum rated output.** When trying to recharge a dead battery, the alternator will charge at maximum output for extended periods of time causing the alternator to overheat. **High heat destroys** transistors, diodes and windings.



* ONE-WIRE ALTERNATORS CAN NOT BE USED WITH BATTERY ISOLATORS

One-wire alternators, sometimes referred to as self-exciting alternators, require battery voltage at the output terminal in order to charge. Since battery isolators eliminate the battery voltage to the alternator, you must use a battery isolator with an ignition excite capability or modifications must be made to the alternator to allow ignition excitation.



* ALTERNATORS MUST TURN THE PROPER RPM IN ORDER TO FUNCTION

Just because the alternator looks like it's turning, doesn't mean it's turning fast enough to charge. **Most alternators do not start charging until they reach 1,000 RPM** alternator shaft speed. 5,000 RPM alternator shaft speed is normally required to reach maximum output. If you're not sure what the alternator shaft speed is, you can determine this with the pulley ratio. Measure the diameter of the crank shaft or drive pulley and the alternator pulley. Divide the crank shaft pulley diameter by the alternator pulley diameter. This figure would be the engine-to-alternator RPM ratio. A normal ratio would be 2.5 to 1. For example, let's say we have a 7 inch diameter crank shaft pulley and a 2.75 inch alternator pulley. We would divide 7 inches by 2.75 which equals 2.54 to 1. If the engine was turning 1,000 RPM we would multiply 1,000 by 2.54 which would give us 2,540 alternator RPM.

Alternator Pulley



Crankshaft Pulley

Again, with today's high amperage alternators, belt condition and tension are critical in proper alternator performance.

IF YOU ARE ABLE TO TURN THE ALTERNATOR FAN BY HAND, YOU DO NOT HAVE THE BELT TIGHT ENOUGH.



* ALTERNATORS WILL CHARGE WHEN TURNING IN EITHER DIRECTION

* NEVER DISCONNECT THE BATTERY CABLE WHEN THE ALTERNATOR IS CHARGING

A common practice with the old generator system was to disconnect the battery cable while the engine was running to see if the generator was working. If this procedure is done on today's transistorized alternator systems, severe damage to the internal components of the alternator usually will be the end result. **This includes using a battery selector switch while the engine is running.**





REPLACEMENT INBOARD ALTERNATORS

20100

FITS: MANY DIESEL ENGINES

12 Volt, 70 AMP

Self exciting internal regulator

Negative ground

1-wire connection

2-inch mounting foot

Single groove pulley included

For high-amp (12 Volt, 105 Amp) replacement alternator, see 60122 on Page 46.



20800 (NEW)

FITS: MERCUISER

4.3L - 8.2L

1998-Up

12 Volt, 70 AMP

Internal Fan

65-mm multi-groove

serpentine pulley included



20102

FITS: MERCUISER, O.M.C.

12 Volt, 70 AMP

Self exciting

Ignition protection screens

Internal regulator

Negative ground

1-wire connection

2-inch mounting foot

Single groove pulley included

For high-amp (12 Volt, 105 Amp) replacement alternator, see 60122 on Page 46.



20810 (NEW)

FITS: MERCUISER 3.0L

1999-UP

12 Volt, 70 AMP

Internal Fan

Single groove

pulley included



20104

FITS: MERCUISER, O.M.C.

12 Volt, 70 AMP

Ignition protection screens

Internal regulator

Negative ground

2-wire plug

2-inch mounting foot

Single groove pulley included

For high-amp (12 Volt, 105 Amp) replacement alternator, see 60122 on Page 46.



20815 (NEW)

FITS: MERCUISER 4.3L-6.2L

12 Volt, 70 AMP

Internal Fan

50-mm multi-groove

serpentine pulley

included



20500

Universal-mount alternator

12 Volt, 70 AMP

Self exciting

Ignition protection screens

1-wire connection

Single groove

pulley included

1-inch mounting foot

Adaptors available for

2" mounting configurations



20820 (NEW)

FITS: INDMAR,

PLEASURECRAFT,

CRUSADER, AND OTHERS

12 Volt, 70 AMP

Internal Fan

2-inch mounting foot

65-mm multi-groove

serpentine pulley

included



REPLACEMENT INBOARD ALTERNATORS



20821 (NEW)
FITS: PLEASURECRAFT &
MARINE POWER
12 Volt, 70 AMP
Internal Fan
2-inch mounting foot
50-mm serpentine
pulley included



20827 (NEW)
HIGH AMP
FITS: INDMAR
12 Volt, 95 AMP
Internal Fan
2-inch mounting foot
65-mm serpentine
pulley included



95
AMP

20822 (NEW)
FITS: PLEASURECRAFT
12 Volt, 70 AMP
Internal Fan
2-inch mounting foot
65-mm serpentine
pulley included



20828 (NEW)
HIGH AMP
FITS: MARINE POWER
12 Volt, 95 AMP
Internal Fan
2-inch mounting foot
Double pulley included



95
AMP

20825 (NEW)
FITS: INDMAR,
PLEASURECRAFT,
CRUSADER, AND OTHERS
12 Volt, 70 AMP
Internal Fan
2-inch mounting foot
Single groove
pulley included



20830 (NEW)
FITS: MARINE POWER
12 Volt, 70 AMP
Internal Fan
2-inch mounting foot
Double pulley included
Includes wire/plug
connector



20826 (NEW)
HIGH AMP
FITS: PLEASURECRAFT
12 Volt, 95 AMP
Internal Fan
2-inch mounting foot
65-mm serpentine
pulley included



95
AMP

20840 (NEW)
FITS: 2.5L
MERCURY OUTBOARD
12 Volt, 50 AMP
Internal Fan
2-inch mounting foot
Multi-groove
serpentine
pulley included
Includes wire/plug
connector





REPLACEMENT INBOARD ALTERNATORS

20850 (NEW)

**FITS: 1.5L & 3.0L
MERCURY OUTBOARD**

12 Volt, 50 AMP
Internal Fan
Multi-groove serpentine pulley included
Includes wire/plug connector



***Will not replace
Mercury # 821663A-1**

40115 (NEW)

FITS: CHRIS CRAFT
12 Volt, 55 AMP
Negative ground
1-inch mounting foot
Single groove pulley included



Replaces this
◀ style unit



VR407

Replacement Regulator for Prestolite alternator
Not required for ARCO replacement alternator.

20860 (NEW)

**FITS: All Mercury
Verado Outboards**

12 Volt, 70 AMP
Internal Fan
Multi-groove serpentine pulley included



40147 (NEW)

FITS: PLEASURECRAFT, WAUKESHA
12 Volt, 55 AMP
Negative ground
2-inch mounting foot
Single groove pulley included



VR406

Replacement Regulator for Prestolite alternator
Not required for ARCO replacement alternator.



Replaces this
◀ style unit

40112

FITS: CHRYSLER MARINE
12 Volt, 70 AMP
Internal regulator
Negative ground
Single groove pulley included



VR405

Replacement Regulator for Prestolite alternator
Not required for ARCO replacement alternator.



Replaces this
◀ style unit

40152

FITS: O.M.C.
12 Volt, 70 AMP
Internal regulator
Negative ground
Single groove pulley included



VR404

Replacement Regulator for Prestolite alternator
Not required for ARCO replacement alternator.



Replaces this
◀ style unit



REPLACEMENT INBOARD ALTERNATORS



60050 (NEW)

MANDO
FITS: LATE MODEL
MERCUISER
12 Volt, 55 AMP
Internal regulator
2-inch mounting foot
Single groove
pulley included



M883
Replacement Regulator

65050 (NEW)

75 Amp high-output
also available

60065 (NEW)

MANDO
FITS: LATE MODEL
MERCUISER
12 Volt, 65 AMP
Internal regulator
2-inch mounting foot
Single groove
pulley included



65050 (NEW)
75 Amp high-output
also available

60055 (NEW)

MANDO
FITS: LATE MODEL
MERCUISER
12 Volt, 55 AMP
Internal regulator
2-inch mounting foot
Multi-groove serpentine
pulley included



M883
Replacement Regulator

65055 (NEW)

75 Amp high-output also available

60070 (NEW)

MANDO
FITS: LATE MODEL
VOLVO PENTA
12 Volt, 65 AMP
Internal Regulator
2-inch mounting foot
Single groove
pulley included



60071 (NEW)

MANDO
FITS: LATE MODEL
VOLVO PENTA
12 Volt, 65 AMP
Internal Regulator
2-inch mounting foot
Multi-groove serpentine
pulley included



60060 (NEW)

MANDO
FITS: LATE MODEL
MERCUISER
12 Volt, 65 AMP
Internal Regulator
2-inch mounting foot
Multi-groove serpentine
pulley included



60072 (NEW)

MANDO
FITS: LATE MODEL
VOLVO PENTA
12 Volt, 65 AMP
Multi-groove
serpentine
pulley included



65055 (NEW)

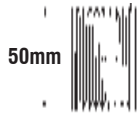
75 Amp high-output
also available





REPLACEMENT INBOARD ALTERNATORS

60073 (NEW)
VOLVO PENTA
FITS: LATE MODEL VOLVO PENTA
12 Volt, 75 AMP
50-mm multi-groove
serpentine pulley included



60104 (NEW)
REPLACES: MOTOROLA
12 Volt, 55 AMP
Internal regulator
Negative ground
1-inch mounting foot
Single groove
pulley included



Replaces this
 ◀ style unit



60074 (NEW)
VOLVO PENTA
FITS: LATE MODEL
VOLVO PENTA
12 Volt, 75 AMP
2-inch mounting foot
Single groove
pulley included



60108 (NEW)
FITS: UNIVERSAL AND OTHERS
12 Volt, 55 AMP
Internal regulator
Negative ground
2-inch mounting foot
Single groove
pulley included



60075 (NEW)
UNIVERSAL ALTERNATOR W/ MANY APPLICATIONS
FITS: YAMAHA, MARINE POWER, CRUSADER
 Replaces Motorola
12 Volt, 55 AMP
 Internal regulator Includes:
 Tachometer terminal, indicator
 light terminal, remote battery
 sensing terminal, excite terminal
1-inch mounting foot
with 3-ear adjustment
Single groove pulley included



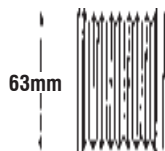
65108 (NEW)
75 Amp high-output
also available



Replaces this
 ◀ style unit

M883
Replacement Regulator

60076 (NEW)
VOLVO PENTA
FITS: LATE MODEL VOLVO PENTA
12 Volt, 75 AMP
63-mm multi-groove
serpentine pulley included



60125 (NEW)
FITS: O.M.C. COBRA
 Replaces: Prestolite/Motorola
12 Volt, 55 AMP
Internal regulator
Negative ground
2-inch mounting foot
Single groove
pulley included



Replaces this
 ◀ style unit



12 VOLT, 105 AMP - HIGH AMP ALTERNATORS

Today's increased electrical loads and more sophisticated electronics demand improved performance, greater reliability, and higher output from the electrical generating system. ARCO's creative engineering offers a **105 AMP** series as the means to a totally efficient electrical system. For comparison, just look at the Performance Chart at the bottom of the page!

60121 (NEW)
HIGH-AMP
12 Volt, 105 AMP
 Self exciting
 integral regulator
 Isolated ground
 Includes: Tachometer
 terminal. External
 voltage adjustment.
1-inch mounting foot,
1/2" hole
Single groove
pulley included



60126 (NEW)
HIGH-AMP
FITS: Late Model VOLVO PENTA
w/warning panel connection
12 Volt, 105 AMP
 Integral regulator
 Isolated ground
 Includes: Tachometer terminal
2-inch mounting foot,
10mm hole
Single groove
pulley included



For applications WITHOUT warning panel connection, use 60124

60122 (NEW)
HIGH-AMP
12 Volt, 105 AMP
 Self exciting integral
 regulator. Isolated
 ground. Includes:
 Tachometer terminal.
 External voltage
 adjustment.
2-inch mounting foot,
3/8" hole
Single groove pulley
included



60498 (NEW)
HIGH-AMP
FITS: CATERPILLAR
DIESEL 6T1396
12 Volt, 105 AMP
 Integral regulator
 Isolated ground
 Heavy duty bearings
1-inch mounting foot
PULLEY NOT INCLUDED

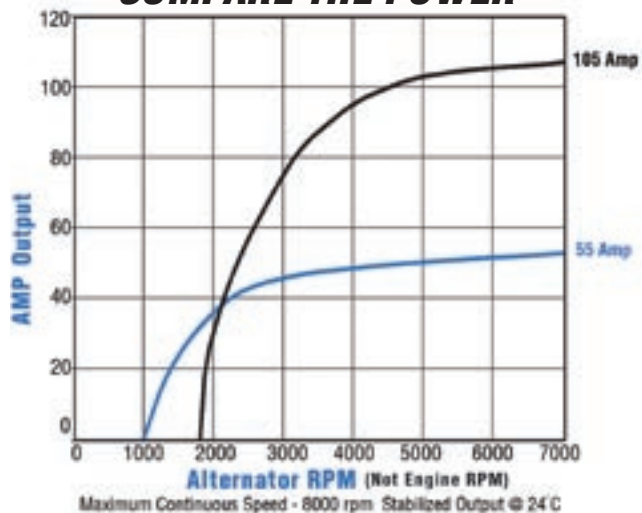


60124 (NEW)
HIGH-AMP
FITS: VOLVO PENTA
12 Volt, 105 AMP
 Self exciting
 integral regulator
 Isolated ground
 Includes: Tachometer
 terminal
 External voltage
 adjustment
2-inch mounting foot,
10mm hole
Single groove pulley
included



For applications WITH warning panel connection, use 60126

COMPARE THE POWER





REPLACEMENT INBOARD ALTERNATORS

60195 (NEW)

Prestolite/Motorola
FITS: CUMMINS DIESEL
12 Volt, 65 AMP
Integral regulator
2-inch mounting foot
PULLEY NOT INCLUDED
Poly-V pulley
available separately



To be discontinued
when present stock
is exhausted

84135

HITACHI MARINE
FITS: YANMAR DIESEL
12 Volt, 35 AMP
Internal regulator
Single groove
pulley included



60198 (NEW)

FITS: CATERPILLAR DIESEL 6T1396
12 Volt, 51 AMP
Integral Regulator
Isolated ground
Heavy duty bearings
1-inch mounting foot
PULLEY NOT INCLUDED



For high-amp
(12 Volt, 105 Amp)
replacement alternator
see 60498 on Page 46.

84150

HITACHI MARINE
FITS: YANMAR DIESEL
12 Volt, 50 AMP
Internal regulator
Single groove
pulley included



80108 (NEW)

FITS: LATE MODEL VOLVO PENTA
DIESEL ENGINES
12 Volt, 55 AMP
Internal regulator
2-inch mounting foot
PULLEY NOT INCLUDED



For high-amp
(12 Volt, 105 Amp)
replacement alternator
see 60124/60126
on Page 46.

86050

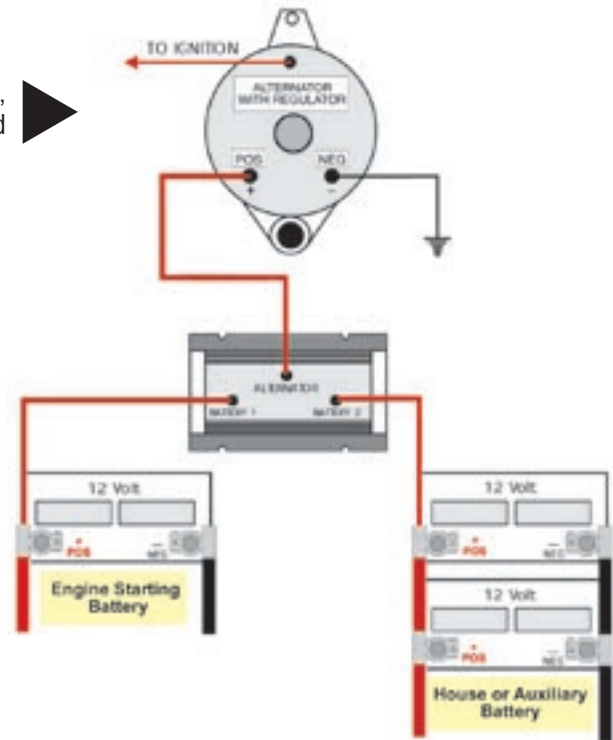
FITS: WESTERBEKE
DIESEL ENGINES
12 Volt, 50 AMP
Internal regulator
Single groove
pulley included



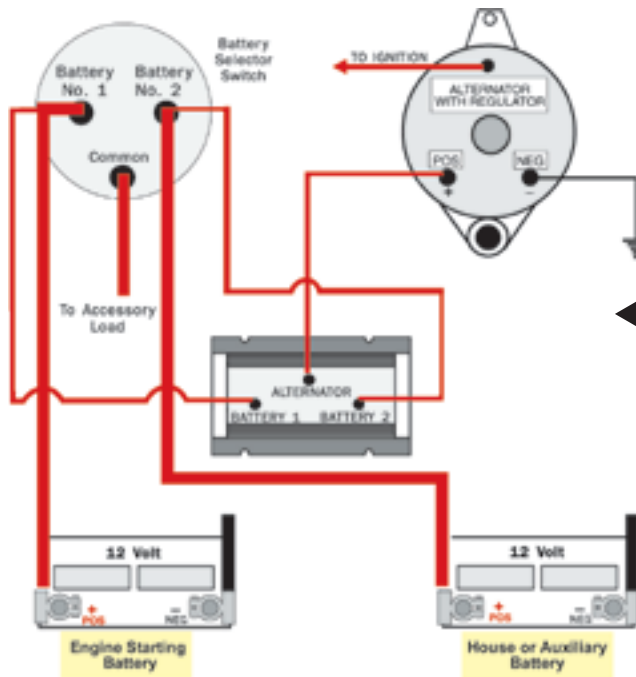
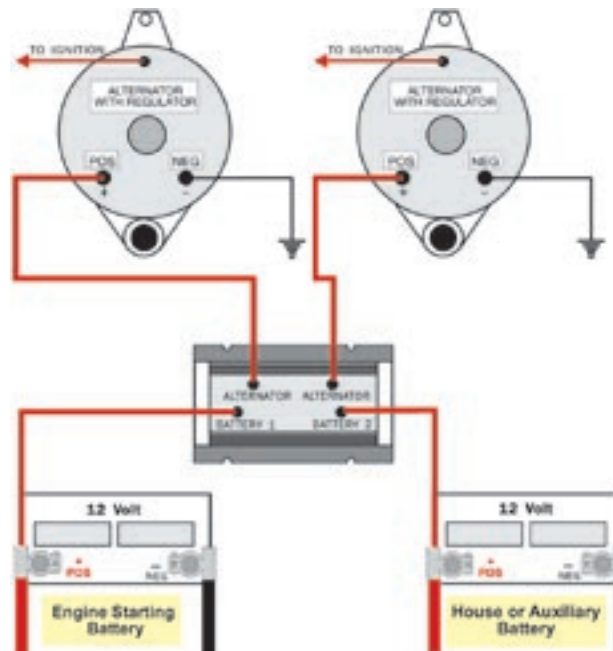
TYPICAL BATTERY ISOLATOR CIRCUITS

The most common battery isolator is the one alternator, two battery unit. It doesn't matter how many batteries are connected in parallel to the battery 1 or 2 terminal.

Remember, when batteries are connected in parallel, they become one large battery.



The one alternator, two battery isolator with a battery selector switch will allow both banks of batteries to be charged regardless of what position the battery selector switch is in.



The two alternator, two battery isolator allows both alternators to charge both batteries.

In the event of one alternator failure, both batteries would be maintained by the working alternator.



INBOARD/OUTBOARD BATTERY ISOLATORS

Battery isolators are solid-state devices which allow electrical current to flow in one direction only, thus permitting the alternator to be connected directly to two batteries without fear of one higher charged battery discharging into the lower charged battery. Both batteries are always being charged automatically, in proportion, to their needs, whenever the engine is running. When battery isolators are used in conjunction with selector switches, it is not necessary to change the switch position to provide for charging of both batteries. Isolators provide proportioning of the output or charging current on the alternator to the batteries as required, regardless of switch position. Rated for use with 10 to 350 amp alternators on 12, 24, or 32 volt negative ground systems.

Note Battery Isolators cannot be used on 12 volt charging systems with 24 volt trolling motors or newer outboard engines with rectifier-regulator charging systems.

BI-0702

1 Alternator, 2 Batteries
70 AMP max



BI-1202-3A

1 Alternator,
2 Batteries
120 AMP max
Includes: Exciter Terminal



BI-0702-4

1 Alternator, 2 Batteries
70 AMP max
Includes: Regulator
sensing terminal



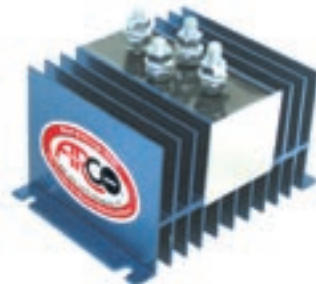
BI-1203

1 Alternator,
3 Batteries
120 AMP max



BI-0703

1 Alternator, 3 Batteries
70 AMP max



BI-1203-3A

1 Alternator,
3 Batteries
120 AMP max
Includes Exciter Terminal



BI-1202

1 Alternator,
2 Batteries
120 AMP max



BI-1602

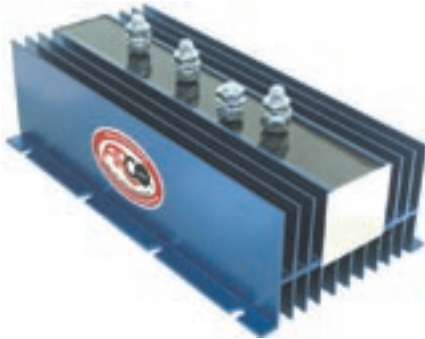
1 Alternator,
2 Batteries
160 AMP max



Note Battery Isolators cannot be used on 12 volt charging systems with 24 volt trolling motors or newer outboard engines with rectifier-regulator charging systems.

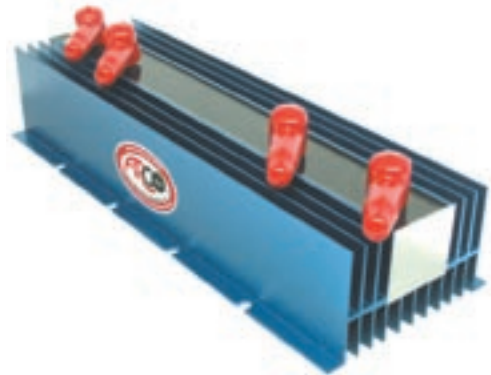
BI-1603

1 Alternator,
3 Batteries
160 AMP max



BI-3202

2 Alternators,
2 Batteries
120 AMP max



BI-2702

2 Alternators,
2 Batteries
70 AMP max



BI-3203

2 Alternators,
3 Batteries
120 AMP max



BI-2703

2 Alternators,
3 Batteries
70 AMP max



BI-2703-4

2 Alternators,
3 Batteries
70 AMP max
Includes: Regulator
sensing terminal



SW054

FITS: MERCUISER, MERCURY
Isolated base
12 Volt



SW058

STANDARD-DUTY
FITS: MERCUISER, MERCURY
Isolated base
12 Volt



SW058HD

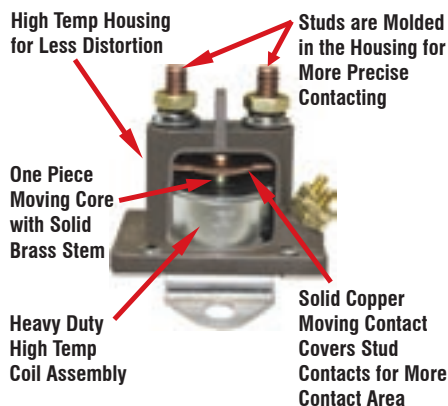
HEAVY-DUTY
FITS: MERCUISER, MERCURY
Isolated base
12 Volt



**SW058 OEM STYLE
COIL & CONTACT ASSEMBLY**



**ARCO SW058HD
COIL & CONTACT ASSEMBLY**



SW064

FITS: MERCUISER, MERCURY
Isolated base
12 Volt
White housing



SW081

FITS: MANY APPLICATIONS; O.M.C.
Isolated base
12 Volt



SW097

FITS: MERCUISER, MERCURY
Isolated base
12 Volt
White housing



SW099

FITS: MERCUISER, MERCURY & YAMAHA 4 STROKE
Isolated base
12 Volt



SW109

FITS: MERCURY/FORCE
Isolated base
12 Volt



REPLACEMENT SOLENOIDS



SW125

HEAVY-DUTY

FITS: FORD

ARCO 70125, 70200,
70201, 70212, 70216
gear reduction starters
on late model 5.0L, 5.8L



SW225

HEAVY-DUTY

**FITS: VOLVO PENTA,
VALEO** gear reduction



SW268

FITS: O.M.C.

Grounded base
12 Volt



SW275

FITS: MERCURY

Isolated base
12 Volt



SW288

FITS: O.M.C.

Isolated base
12 Volt



SW295

FITS: CHRYSLER

Isolated base
12 Volt



SW340

FITS: O.M.C.

Isolated base
12 Volt



SW357

HEAVY-DUTY

**FITS: ARCO STARTER PART
NUMBER 5357.**

Used on Evinrude G2
engines.



SW394

FITS: MERCURUISER & O.M.C.

Grounded base
12 Volt





REPLACEMENT SOLENOIDS

SW450

FITS: **ARCO** 30460, 30470
4 terminals
12 Volt



SW580

FITS **O.M.C.**
1993-UP,
9.9 -15 HP Outboard
Isolated base
12 Volt



SW456

FITS: 14 MT
ARCO 30456, 30457
4 Post, 3-Bolt Mount



SW590

Starter Solenoid
FITS: LATE MODEL
EVINRUDE E-TEC ENGINES
Isolated base



SW463

HEAVY-DUTY
FITS: O.E. DELCO PG 260,
MERCURISER, OMC, VOLVO PENTA
This solenoid will not fit
ARCO 30460, 30470!



SW595

FITS EVINRUDE E-TEC
2010-UP 15 HP-300 HP



SW622

FITS **O.M.C.**
Isolated base
12 Volt



SW565

FITS: VOLVO PENTA
Isolated base
12 Volt



SW661

FITS: MERCURY
Isolated base
12 Volt



REPLACEMENT SOLENOIDS



SW730

FITS: O.M.C.
Grounded base
12 Volt



SW774

FITS: CHRYSLER, O.M.C.
Replaces Chrysler 177917
Grounded base
12 Volt



SW814

FITS: PARIS RHONE
D11E167T, ETC.
12 Volt



To be discontinued when present stock is exhausted.

SW865

HEAVY-DUTY
12 VOLT, 1000 AMP
Parallel/solenoid
Isolated ground



SW866

24 VOLT, 1000 AMP

SW924

FITS: FORCE OUTBOARDS
Choke solenoid
Order plunger (below) separately



PA924

Plunger to fit ARCO SW924

SW925

FITS: MERCURY OUTBOARDS
Choke solenoid



SW926

FITS: 75 HP-V200 HP
MERCURY OUTBOARDS
Choke solenoid



SW941

FITS: YAMAHA
Solenoid



SW945

FITS: YAMAHA 2 & 4 STROKE,
MERCURY 4 STROKE
Starter solenoid



SW950

FITS: YAMAHA
Solenoid



SW975

FITS: DELCO
Standard solenoid
12 Volt



SW981

FITS: MERCURY
Grounded base
12 Volt





OUTBOARD RECTIFIERS & REPLACEMENT RELAYS

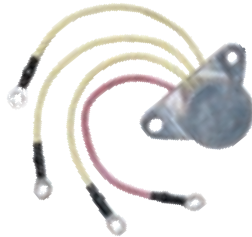
AR103

FITS: O.M.C.
3-lead Rectifier



AR104

FITS: O.M.C.
4-lead Rectifier



AR351

HEAVY-DUTY
FITS: MERCURY
3-post Rectifier



R012 Continuous duty relay;
12 Volt, 85 Amp



R024 24 Volt, 85 Amp

R036 32-36 Volt, 85 Amp

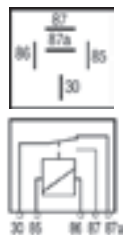
R038

S.P.D.T. normally closed,
continuous duty relay
used w/many winch motors
Isolated ground, 12 Volt, 85 Amp



R040

FITS: VOLVO PENTA
12 Volt, 30 Amp



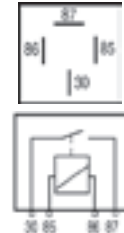
R151

FITS: MERCURY &
MARINER OUTBOARDS
12 Volt, 30 Amp



R177

FITS: VOLVO PENTA
12 Volt, 30 Amp



R202

FITS: MERCURUISER
12 Volt, 30 Amp



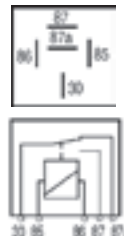
R211

FITS: MERCURY
12 Volt, 30 Amp



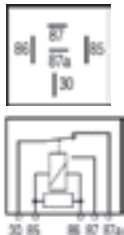
R473

FITS: O.M.C.
12 Volt, 30 Amp



R509

FITS: MERCURY,
MARINER & FORCE,
OUTBOARDS
12 Volt, 30 Amp

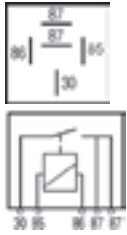


REPLACEMENT RELAYS



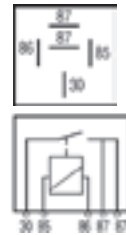
R670

FITS: VOLVO PENTA
12 Volt, 30 Amp



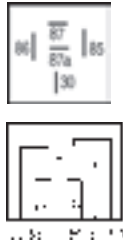
R832

FITS: VOLVO PENTA
12 Volt, 30 Amp



R751

FITS: MERCURISER & MERCURY VERADO OUTBOARDS
12 Volt, 30 Amp



R950

YAMAHA O/B TILT/TRIM RELAY
REPLACES: YAMAHA 6E5 81950-01
1991 & Up 115 HP,
1991 - 2004 130 HP,
1991 & Up 150 HP,
1991 - 2000 175 HP,
1991 - 1999 200 HP
SUZUKI 38410-94540



R767

EVINRUDE E-TEC O/B TILT/TRIM RELAY
REPLACES EVINRUDE 0586767
2011-2012 E-TEC 25, 30, 40, 50, 60, 75, 90, 115, 130, 150, 175, 200, 225, 250, 300
2008-2010 E-TEC 30, 40, 50, 60, 75, 90, 115, 130, 150, 175, 200, 225, 250, 300
2007 E-TEC 40, 50, 60, 75, 90, 115, 150, 175, 200, 225, 250
2006 E-TEC 40, 50, 60, 75, 90, 200, 225, 250
2005 E-TEC 40, 50, 75, 90, 200, 225, 250
2004 E-TEC 40, 50, 75, 90



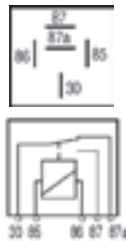
R951

YAMAHA O/B TILT/TRIM RELAY
REPLACES: YAMAHA 6E5 8195A-01
1991 & Up 115 HP,
1991 - 2004 130 HP,
1991 & Up 150 HP,
1991 - 2000 175 HP,
1991 - 1999 200 HP



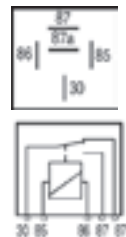
R809

VOLVO PENTA
REPLACES: VOLVO PENTA 3858081, 3858809
1998 SX-M-MAC, MDA, MLT), 3.0GLP-D, 4.3GL-E, 4.3GL-EF, 4.3GXl-F, 4.3GXl-FF, 4.30Si-F, 4.30Si-FF, 5.0GL-F, 5.0GL-FF, 5.0GXl-F, 5.0GXl-FF, 5.0Si-F, 5.0Si-FF, 5.7Gi-F/FF, 5.7GXl-G/GF, 5.70Si-E/EF, 5.70Xi-E/EF, 5.7Gil-F, 5.7GXl-G, 8.1Gi-G/GF, 8.1GXl-F/FF, 8.10Si-C/CF, 8.1Gil-G, 8.1GXl-F, DPH-A, DPH-B, DPR-A, DPH-B, EF drives, SX-M TSKs
1998-2005 SX-M, DP-SM, (WT drives, PJX-C, PJX-S SX-M, -MACLT, -MDA, -MDB, -MHP, -MTD, DP-E, DP-S, -S1, -S2, DP-SM, -SM) XDP-B, O.M.C. COBRAS WITH TELEFLEX PUMPS



R952

FITS: VOLVO PENTA
12 Volt, 30 Amp





MISCELLANEOUS ITEMS

DV456

FITS: DELCO 14MT, ARCO 30456
Starters w/CW Rotation
9-tooth gear

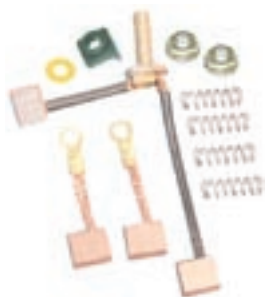


DV457

FITS: DELCO 14MT, ARCO 30457
Starters w/CCW Rotation
9-tooth gear

BK900

Replacement brushes
FITS: AMERICAN-MADE
permanent magnet outboard starters



M525

Reservoir kit
FITS: ARCO 6275
Replaces: MERCURISER
Includes: Reservoir, cap,
O-rings, mounting screw



M531

Reservoir kit
FITS: ARCO 6227
Replaces: Volvo
Includes: Reservoir, cap, O-rings



M532

REPLACES MERCURISER
883166A2



M533

REPLACES VOLVO-PENTA 3858077

New style reservoir kit,
heavy duty 4-screw mount.
Improved design, will only fit
late model OILDYNE pumps
equipped with 4 mounting ears.

Includes: Reservoir, screws, cap, O-rings.

MBK450

Mounting bolt kit for gear reduction starters
FITS: ARCO 30470 starter,
2 long mounting bolts, 3/8"-16 N.C. threads
This kit will also fit all DELCO gear
reduction starters w/staggered bolt mounting pattern



Required when replacing a 10MT Starter with a GearReduction Starter. Will NOT FIT metric engines or 10MT starters.

Will NOT FIT metric engines

MBK460

Mounting bolt kit
FITS: ARCO 30460 starter,
3/8"-16 N.C. threads
This kit will also fit DELCO 10MT style
starters w/1 short & 1 long mounting bolt



SR107

ARCO BRUSH LOADING TOOL

Makes brush loading as simple as 1-2-3
Perfect tool for loading outboard starter
brushes. Fits most all size and shape caps.



TM001

Electrical Technical Manual

This easy-to-understand technical
reference is written by Mechanics for
Mechanics. Procedures are explained
in basic terms with illustrated
examples.

