

Table of Contents

Bosch

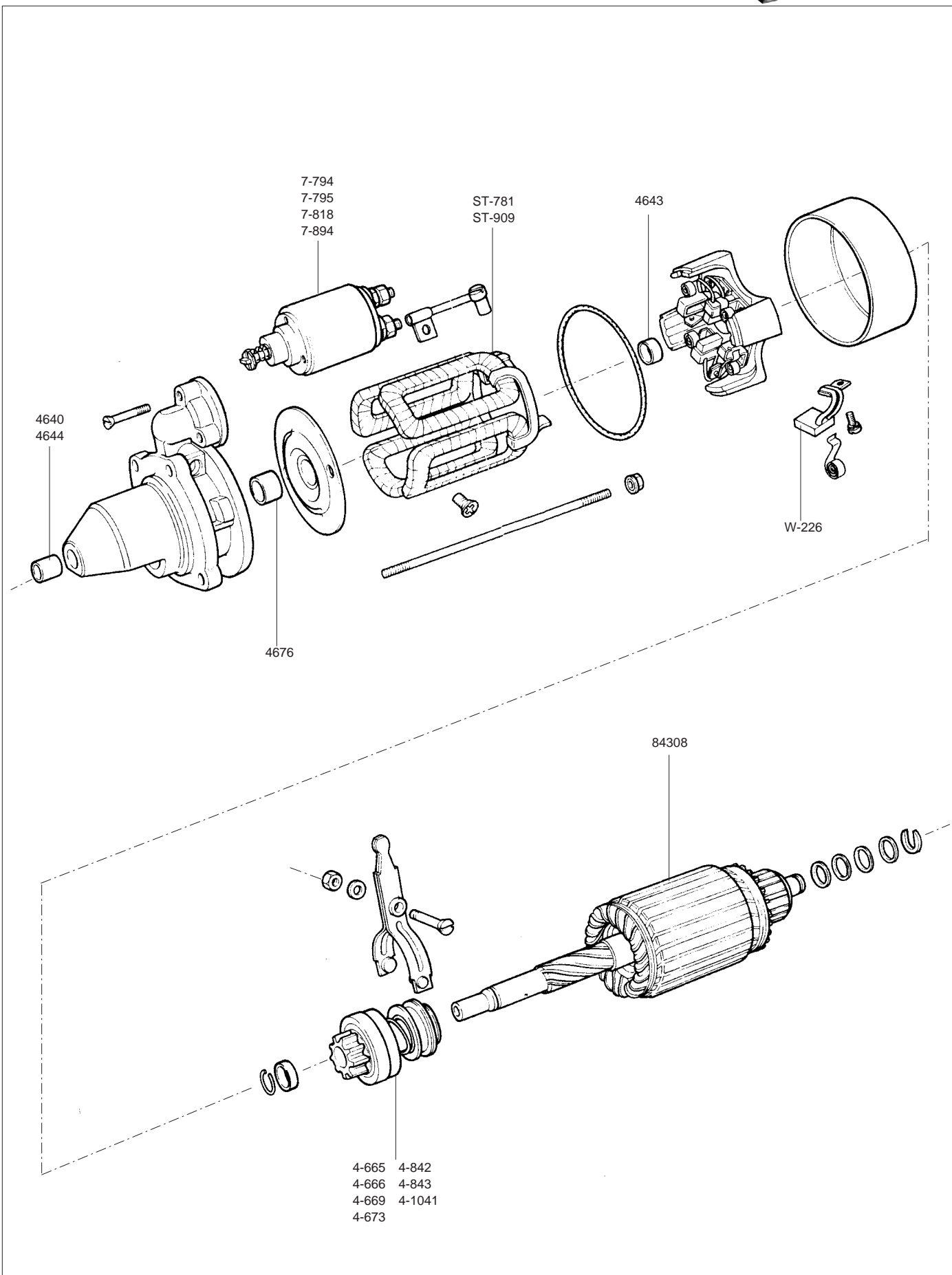
Exploded Views & Breakdowns.....	2-11
359 Series	2-3
360 Series.....	4-5
362 & 363 Series.	6-7
367 & 368 Series.	8-9
410 thru 418 Series.	10-11
Bill of Materials	12-33
108 Series.....	12-14
110 Series.....	15-16
218 Series.....	17-18
9-000-331- . . . Series.....	19
314 thru 369 Series.....	20-28
410 thru 418 Series.....	29-32
9-000-083- . . . Series.....	33
Components Buyer's Guide	34-57
Repair Kits	34
Armatures.....	34-35
Brushes, Brush Holders & Brush Springs	35-39
Bushing Chart	60
Drives.....	39-47
Field Coils.....	47-50
Gear Train Assemblies & Components.....	50-52
Miscellaneous Components.....	53
Solenoids.....	53-57
Bosch to ACE Cross Reference.....	58-59
Index.....	61

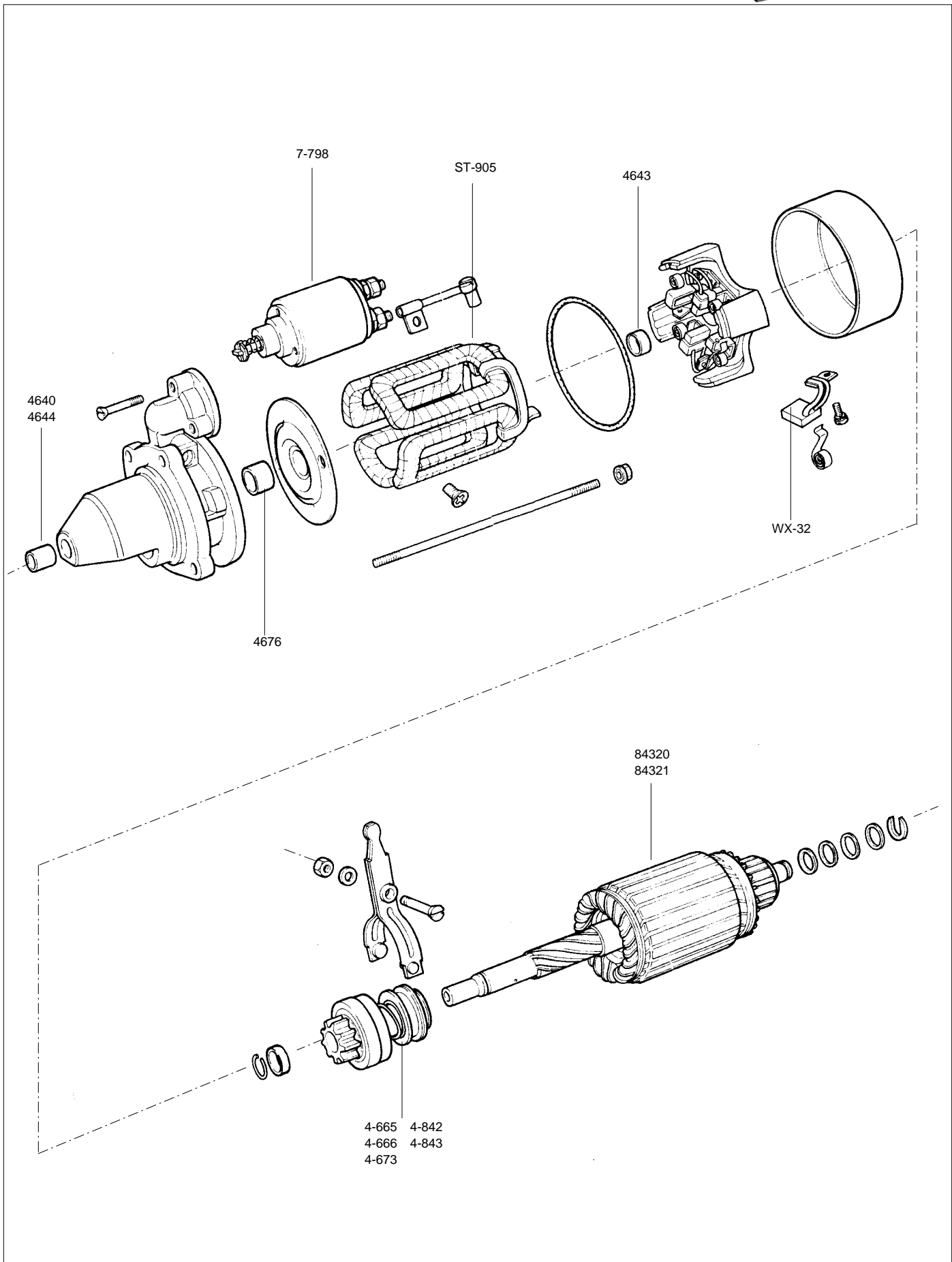


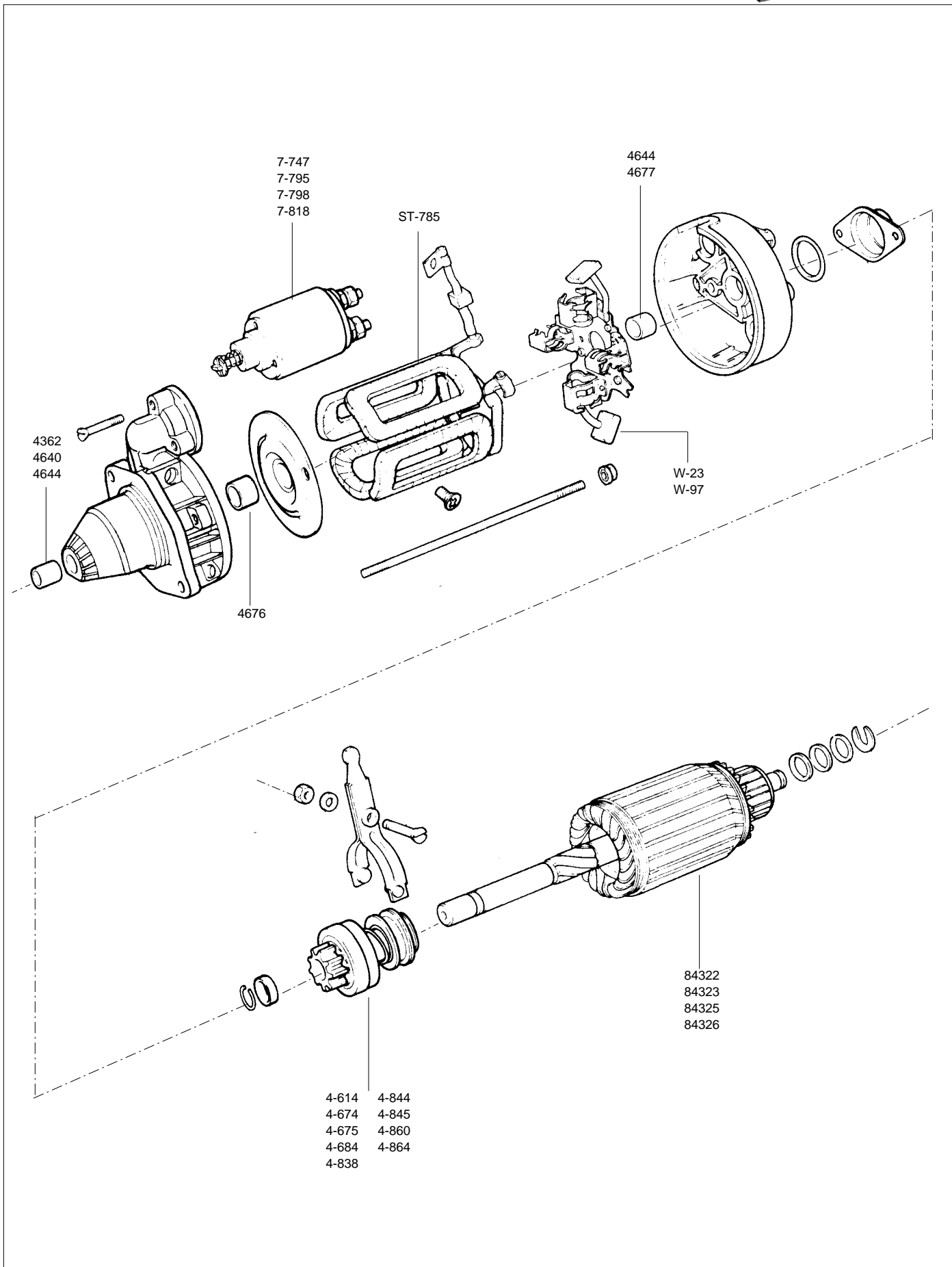
(800) 835-0300 (316) 429-1000

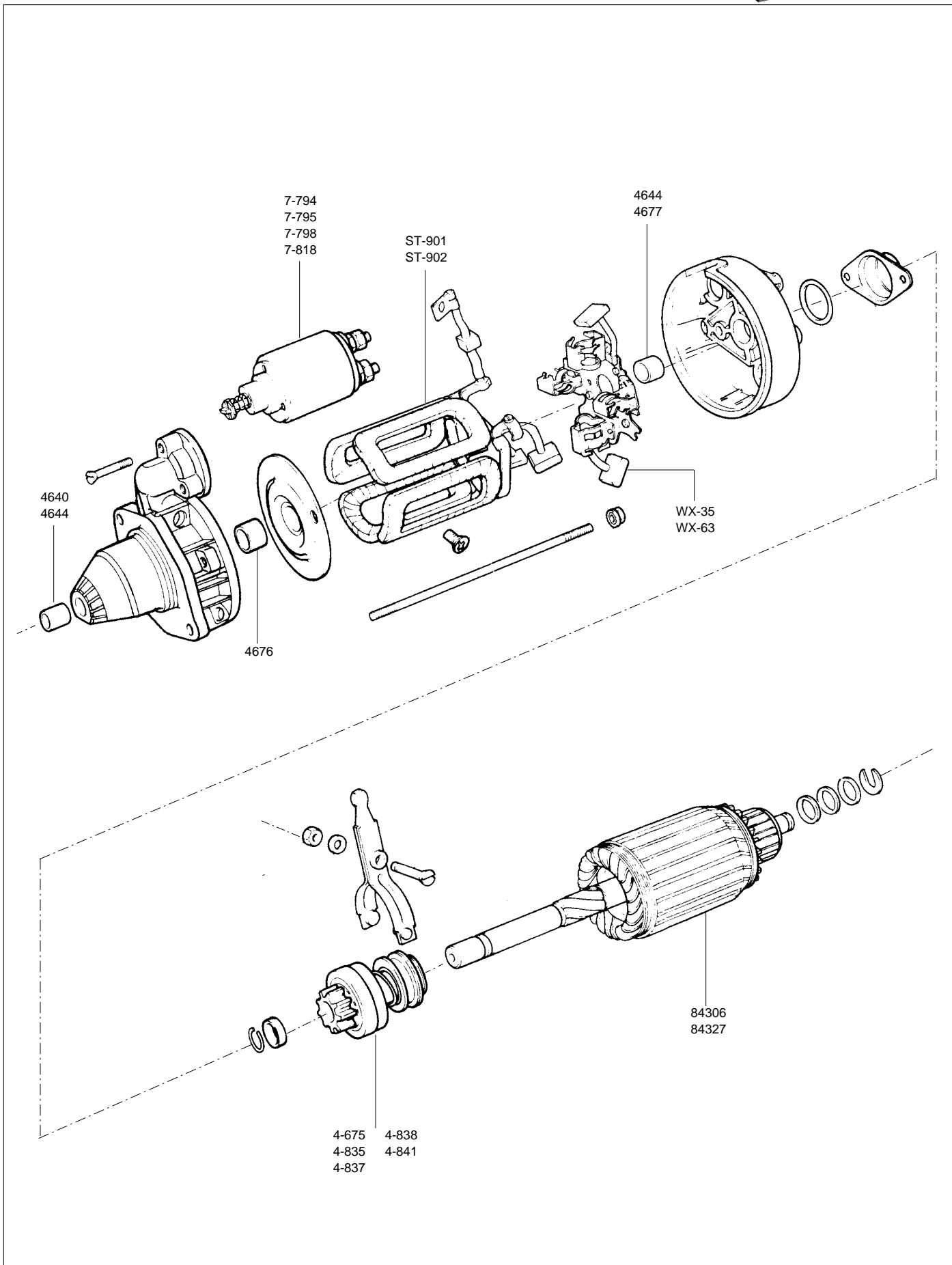
501 S East Ave • P.O. Box 151 • Columbus, KS 66725

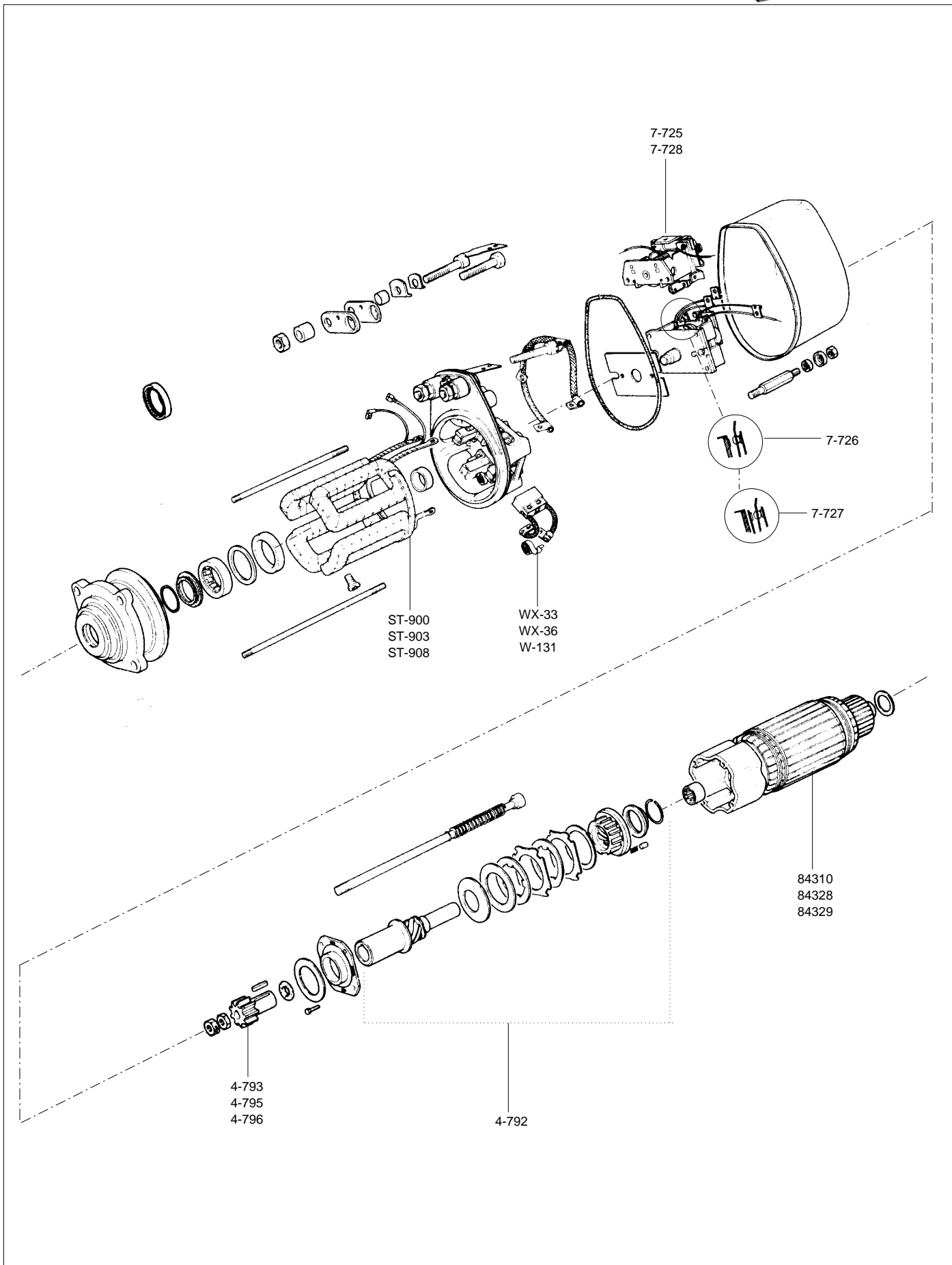
ACE Electric, LLC takes extensive measures to ensure the accuracy of descriptions and applications for each part represented in this publication. The sole intent of this catalog is to aid ACE Customers in the rebuilding of automotive aftermarket products. ACE assumes no responsibility for possible errors. Permission to reproduce any portion of this publication is denied.











for Bosch 108 Series



ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Train Assy	Gear Track	Metal Gear Track	Drive	Solenoid
0-001-108-001	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-002	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-003	4670	4821	4475	W-159/160	S-3296	S-3340	S-3326	4-742	7-744
0-001-108-004	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-827	7-809
0-001-108-005	4366	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-006	-	-	-	W-159/160	-	-	-	-	7-851
0-001-108-007	4686	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-009	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-010	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-011	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-012	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-013	4366	4684	4475	W-159/160	-	S-3280	-	4-737	7-819
0-001-108-016	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-017	4670	4684	4475	W-159/160	-	S-3280	-	4-742	7-851
0-001-108-018	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	-
0-001-108-019	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-809
0-001-108-020	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-827	7-809
0-001-108-021	4670	4684	4475	W-159/160	-	S-3340	S-3326	-	7-741
0-001-108-022	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-819
0-001-108-023	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-024	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-025	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-026	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-027	4370	4684	4475	W-159/160	-	S-3280	-	4-742	7-851
0-001-108-028	4370	4684	4475	W-159/160	-	S-3280	-	4-742	7-851
0-001-108-029	4370	4684	4475	W-159/160	-	S-3280	-	4-742	7-851
0-001-108-030	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-745
0-001-108-031	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-720
0-001-108-032	4366	4684	4475	W-159/160	-	S-3280	-	4-737	7-819
0-001-108-033	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-827	-
0-001-108-035	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-037	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-827	-
0-001-108-038	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-039	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-827	7-809
0-001-108-040	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-827	-
0-001-108-042	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-043	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-044	4670	4684	4475	W-159/160	-	S-3280	-	4-742	7-851
0-001-108-045	4366	4684	4475	W-159/160	-	S-3280	-	4-737	7-819
0-001-108-046	4366	4684	4475	W-159/160	-	S-3280	-	4-737	7-819
0-001-108-047	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-048	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-050	4670	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-051	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-052	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-053	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-851
0-001-108-054	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-056	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-

bill of materials . . .

for Bosch 108 Series

ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Train Assy	Gear Track	Metal Gear Track	Drive	Solenoid
0-001-108-057	4670	4684	4475	W-159/160	-	S-3280	-	4-827	-
0-001-108-059	4670	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-060	4670	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-061	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-745
0-001-108-062	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-742	7-745
0-001-108-063	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-064	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	-
0-001-108-065	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-066	4366	4684	4475	W-159/160	-	S-3280	-	4-737	-
0-001-108-068	A-3384	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-069	A-3384	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-070	4366	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-071	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-827	-
0-001-108-072	4370	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-073	4370	4684	4475	W-159/160	-	S-3280	-	4-742	-
0-001-108-074	-	4821	4475	W-159/160	-	S-3280	-	-	-
0-001-108-075	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-076	4670	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-077	4670	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-078	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	7-851
0-001-108-079	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	-
0-001-108-080	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	-
0-001-108-081	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-082	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-083	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-084	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-085	-	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-086	-	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-087	4670	4684	4475	W-159/160	-	S-3280	-	4-827	-
0-001-108-088	4670	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	7-745
0-001-108-089	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	7-745
0-001-108-090	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	4-742	7-745
0-001-108-091	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-092	4670	4684	4475	W-159/160	S-3293	S-3280	-	-	-
0-001-108-093	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-094	4366	4684	4475	W-159/160	-	S-3280	-	-	7-851
0-001-108-095	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-096	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-098	4670	4684	4475	W-159/160	S-3293	S-3280	-	4-742	-
0-001-108-099	-	4684	4475	W-159/160	-	S-3280	-	-	7-810
0-001-108-100	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-101	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-102	4370	4684	4475	W-159/160	S-3296	S-3340	S-3326	-	-
0-001-108-105	4366	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-106	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-107	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-109	4670	4684	4475	W-159/160	-	S-3280	-	-	-
0-001-108-110	4670	4684	4475	W-159/160	-	S-3280	-	-	-

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

bill of materials . . .

for Bosch 110 Series

ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Train Assy	Gear Track	Drive	Solenoid
0-001-110-001	4366	4684	4475	W-154/155	-	S-3281	4-832	7-851
0-001-110-002	4366	4684	4475	W-154/155	-	S-3281	4-832	7-851
0-001-110-003	4670	4684	4475	W-154/155	-	S-3281	4-827	-
0-001-110-004	4366	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-005	4670	4684	4475	W-154/155	-	S-3281	4-827	7-851
0-001-110-007	4670	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-008	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-009	4370	4684	4475	W-154/155	-	S-3281	4-825	-
0-001-110-010	4370	4684	4475	W-154/155	-	S-3281	4-825	-
0-001-110-011	4670	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-012	4670	4684	4475	W-154/155	S-3294	S-3281	-	7-851
0-001-110-013	4670	4684	4475	W-154/155	S-3294	S-3281	-	7-720
0-001-110-014	4366	4684	4475	W-154/155	-	S-3281	4-832	7-851
0-001-110-015	4670	4821	4475	W-154/155	-	S-3281	4-832	7-851
0-001-110-016	4670	4821	4475	W-154/155	-	S-3285	4-827	7-744
0-001-110-017	4670	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-018	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-019	4670	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-022	4370	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-023	4370	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-024	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-025	4670	4684	4475	W-154/155	-	S-3281	4-827	7-851
0-001-110-026	4670	4684	4475	W-154/155	-	S-3285	4-827	-
0-001-110-027	4366	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-028	4370	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-029	A-3387	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-030	A-3387	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-031	4670	4684	4475	W-154/155	-	S-3281	-	7-851
0-001-110-032	4670	4684	4475	W-154/155	-	S-3281	-	7-851
0-001-110-033	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-039	A-3387	4821	4475	W-154/155	-	S-3285	4-827	-
0-001-110-040	A-3387	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-041	4370	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-042	4370	4684	4475	W-154/155	-	S-3281	-	7-720
0-001-110-043	A-3387	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-044	A-3387	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-045	4370	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-046	4370	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-047	4670	4684	4475	W-154/155	-	S-3285	-	-
0-001-110-048	4670	4684	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-049	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-051	A-3387	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-052	4670	4821	4475	W-154/155	S-3294	S-3281	-	-
0-001-110-053	4670	4821	4475	W-154/155	-	S-3285	-	-
0-001-110-054	4670	4821	4475	W-154/155	-	S-3285	4-827	7-744
0-001-110-055	4370	4684	4475	W-154/155	-	S-3281	4-827	-
0-001-110-056	4670	4684	4475	W-154/155	-	S-3281	-	-
0-001-110-057	4366	4684	4475	W-154/155	-	S-3281	-	-

bill of materials . . .

for Bosch 218 Series

ID No	DE Bearing	CE Bushing	CS Bushing	Brush	Train Assy	Gear Track	Drive	Solenoid
0-001-218-001	A-3387	4820	4476	W-161	S-3290	-	4-849	-
0-001-218-002	A-3387	4820	4476	W-161	S-3290	S-3283	-	-
0-001-218-003	A-3387	4820	4476	W-161	S-3289	S-3283	-	-
0-001-218-004	A-3387	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-005	A-3387	4820	4476	W-161	-	S-3283	4-849	-
0-001-218-006	A-3387	4820	4476	W-161	S-3291	S-3283	4-847	7-744
0-001-218-007	A-3387	4820	4476	W-161	S-3290	S-3283	-	7-744
0-001-218-008	A-3387	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-009	A-3387	4820	4476	W-161	S-3290	S-3283	4-848	7-744
0-001-218-010	A-3387	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-011	A-3387	4820	4476	W-161	S-3290	S-3283	4-848	7-744
0-001-218-012	4670	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-013	4670	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-014	A-3387	4820	4476	W-161	S-3290	S-3283	-	-
0-001-218-015	A-3387	4820	4476	W-161	-	S-3283	-	-
0-001-218-016	A-3387	4820	4476	W-161	-	S-3283	4-847	7-744
0-001-218-017	A-3387	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-018	4670	4820	4476	W-161	S-3290	S-3283	4-849	-
0-001-218-019	A-3387	4820	4476	W-161	S-3290	S-3283	-	-
0-001-218-020	A-3387	4820	4476	W-161	S-3289	S-3283	-	-
0-001-218-021	A-3387	4820	4476	W-161	S-3291	S-3283	4-847	7-744
0-001-218-022	A-3387	4820	4476	W-161	S-3290	S-3283	-	-
0-001-218-023	A-3387	4820	4476	W-161	S-3290	S-3283	-	7-744
0-001-218-024	A-3387	4820	4476	W-161	S-3290	S-3283	-	-
0-001-218-025	4670	4820	4476	W-161	-	S-3283	4-849	-
0-001-218-026	A-3387	4820	4476	W-161	-	S-3283	4-848	-
0-001-218-027	A-3387	4820	4476	W-161	S-3290	S-3283	4-848	-
0-001-218-028	A-3387	4820	4476	W-161	S-3290	S-3283	4-848	-
0-001-218-029	A-3387	4820	4476	W-161	-	S-3283	4-847	-
0-001-218-101	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-102	A-3387	4820	4476	W-161	S-3290	S-3327	-	-
0-001-218-103	A-3387	4820	4476	W-161	S-3290	S-3327	-	-
0-001-218-104	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-105	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-106	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-107	A-3387	4820	4476	W-161	-	S-3327	4-849	-
0-001-218-108	A-3387	-	4476	W-161	-	S-3327	-	7-744
0-001-218-109	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-110	A-3387	-	4476	W-161	-	S-3327	-	-
0-001-218-111	4670	4820	4476	W-161	-	S-3327	-	-
0-001-218-112	4670	4820	4476	W-161	-	S-3327	-	-
0-001-218-113	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-114	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-115	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-116	-	4820	4476	W-161	-	S-3327	-	-
0-001-218-117	-	4820	4476	W-161	-	S-3327	-	-
0-001-218-118	A-3387	4820	4476	W-161	-	S-3327	-	-
0-001-218-119	A-3387	4820	4476	W-161	-	S-3327	-	-

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 314-369 Series



ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Repair Kit	Field Coil	Armature	Drive	Solenoid
0-001-314-001	4362	4442	4671	W-14	-	-	-	4-611	7-852
0-001-314-002	4362	4442	4671	W-14	-	-	-	-	7-805
0-001-314-005	4362	4442	4671	W-13	-	-	-	-	7-805
0-001-314-006	4362	4442	4671	W-14	-	-	-	4-840	-
0-001-314-010	4362	4442	4671	W-14	-	-	-	4-856	-
0-001-314-012	-	4442	4671	W-14	-	-	-	4-346	7-851
0-001-314-013	4366	4442	4671	W-14	-	-	-	4-346	7-851
0-001-314-014	-	4442	4671	W-14	-	-	-	-	7-851
0-001-314-015	-	4442	4671	W-14	-	-	-	-	7-851
0-001-314-016	-	4442	4671	W-14	-	-	-	-	-
0-001-314-017	4362	4442	4671	W-14	-	-	-	4-857	-
0-001-314-018	4362	4442	4671	W-13	-	-	-	-	7-805
0-001-314-024	4362	4442	4671	W-14	-	-	-	-	-
0-001-314-025	4362	4442	4671	W-13	-	-	-	4-839	7-745
0-001-314-027	4362	4442	4671	W-13	-	-	-	4-854	-
0-001-314-029	4362	4442	4671	W-13	-	-	-	4-854	7-805
0-001-314-036	4362	4442	4671	W-13	-	-	-	4-854	-
0-001-317-007	4673	4442	4671	W-30	-	-	-	4-680	7-851
0-001-317-008	4673	4442	4671	W-30	-	-	-	4-680	7-851
0-001-317-009	4366	4442	4671	W-30	-	-	-	4-679	7-851
0-001-317-010	4366	4442	4671	W-30	-	-	-	4-679	7-851
0-001-317-011	4362	4442	4671	W-30	-	-	-	-	7-851
0-001-317-016	4362	4442	4671	W-30	-	-	-	-	-
0-001-317-017	4362	4442	4671	W-30	-	-	-	-	-
0-001-317-018	4366	4442	4671	W-30	-	-	-	4-679	7-851
0-001-317-020	4366	4442	4671	-	-	-	-	-	7-851
0-001-317-021	4366	4442	4671	-	-	-	-	-	7-851
0-001-317-024	4673	4442	4671	W-30	-	-	-	-	7-851
0-001-358-017	4640	4642	-	WX-31	-	-	-	4-836	-
0-001-358-018	4640	4642	-	WX-31	-	-	-	-	-
0-001-358-026	4640	4642	-	WX-31	-	-	-	-	-
0-001-358-033	4640	4642	-	WX-31	-	-	-	-	-
0-001-358-035	4640	4642	-	WX-31	-	-	-	-	-
0-001-358-038	4640	4642	-	WX-31	-	-	-	4-836	-
0-001-358-046		-	-	-	-	-	-	4-836	-
0-001-358-047	4640	4642	-	WX-31	-	-	-	4-836	-
0-001-358-048	4640	4642	4676	WX-31	-	-	-	-	7-818
0-001-358-049	4640	4642	4676	WX-31	-	-	-	4-673	7-795
0-001-358-050	4640	4642	4676	WX-31	-	-	-	-	7-818
0-001-358-051	4640	4642	4676	WX-31	-	-	-	4-665	7-818
0-001-358-201	4644	4643	-	W-226	-	-	-	-	7-795
0-001-358-202	4644	4643	-	W-226	-	-	-	-	-
0-001-359-001	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-003	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-006	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-007	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-008	4640	4643	4676	W-226	-	ST-781	84308	4-666	7-894
0-001-359-010	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894

bill of materials . . .

for Bosch 314-369 Series

<i>ID No</i>	<i>DE Bushing</i>	<i>CE Bushing</i>	<i>CS Bushing</i>	<i>Brush</i>	<i>Repair Kit</i>	<i>Field Coil</i>	<i>Armature</i>	<i>Drive</i>	<i>Solenoid</i>
0-001-359-012	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-013	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-014	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-016	4640	4643	4676	W-226	-	ST-781	84308	4-743	7-894
0-001-359-019	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-020	4640	4643	4676	W-226	-	ST-781	84308	4-666	7-894
0-001-359-021	4640	4643	4676	W-226	-	-	84308	4-843	7-818
0-001-359-023	4644	4643	4676	W-226	-	-	-	-	-
0-001-359-024	4640	4643	4676	W-226	-	ST-781	84308	4-665	7-894
0-001-359-025	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-026	4640	4643	4676	W-226	-	ST-781	84308	-	7-894
0-001-359-027	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-030	4640	4643	4676	W-226	-	ST-781	84308	-	7-894
0-001-359-031	4644	4643	4676	W-226	-	ST-781	-	4-673	-
0-001-359-032	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-034	4640	4643	4676	W-226	-	ST-781	84308	4-666	7-894
0-001-359-035	4644	4643	4676	W-226	-	ST-781	-	-	-
0-001-359-037	4640	4643	4676	W-226	-	ST-781	84308	-	7-894
0-001-359-038	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-041	4640	4643	4676	W-226	-	-	84308	-	7-894
0-001-359-043	4640	4643	4676	W-226	-	-	84308	4-673	7-794
0-001-359-044	4640	4643	4676	W-226	-	ST-781	84308	4-673	7-894
0-001-359-045	4640	4643	4676	W-226	-	ST-781	84308	4-666	7-894
0-001-359-046	4640	4643	4676	W-226	-	ST-781	84308	-	7-894
0-001-359-051	4644	4643	4676	W-226	-	ST-781	-	4-673	-
0-001-359-053	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-894
0-001-359-055	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-056	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-894
0-001-359-057	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-894
0-001-359-058	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-894
0-001-359-059	4644	4643	4676	W-226	-	ST-909	-	-	-
0-001-359-060	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-894
0-001-359-062	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-894
0-001-359-063	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-894
0-001-359-064	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-894
0-001-359-066	4644	4643	4676	W-226	-	-	-	-	-
0-001-359-067	4640	4643	4676	W-226	-	ST-909	84308	-	7-894
0-001-359-068	4640	4643	4676	W-226	-	ST-909	84308	-	7-894
0-001-359-070	4640	4643	4676	W-226	-	ST-909	-	4-842	7-894
0-001-359-071	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-072	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-795
0-001-359-073	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-795
0-001-359-074	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-075	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-359-076	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-359-081	4640	4643	4676	W-226	-	ST-909	84308	-	7-795
0-001-359-082	4640	4643	4676	W-226	-	ST-909	84308	-	7-795
0-001-359-083	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-894

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 314-369 Series



ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Repair Kit	Field Coil	Armature	Drive	Solenoid
0-001-359-084	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-794
0-001-359-085	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-359-086	4640	4643	4676	W-226	-	ST-909	84308	4-843	7-818
0-001-359-087	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-088	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-818
0-001-359-089	4644	4643	4676	W-226	-	ST-909	-	4-673	-
0-001-359-090	4640	4643	4676	W-226	-	ST-909	84308	4-669	7-818
0-001-359-091	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-092	4644	4643	4676	W-226	-	-	-	4-842	-
0-001-359-094	4640	4643	4676	W-226	-	ST-909	84308	-	-
0-001-359-095	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-818
0-001-359-096	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-894
0-001-359-097	4640	4643	4676	W-226	-	ST-909	84308	4-673	-
0-001-359-098	4644	4643	4676	W-226	-	ST-909	-	4-842	-
0-001-359-099	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-795
0-001-359-100	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-795
0-001-359-101	4640	4643	4676	W-226	-	ST-905	84308	4-673	7-818
0-001-359-102	4640	4643	4676	W-226	-	ST-909	84308	4-843	7-818
0-001-359-104	4640	4643	4676	W-226	-	ST-909	84308	-	-
0-001-359-106	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-795
0-001-359-107	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-359-108	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-795
0-001-359-109	4640	4643	4676	W-226	-	ST-909	84308	-	-
0-001-359-110	4640	4643	4676	W-226	-	ST-909	84308	-	-
0-001-359-111	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-794
0-001-359-112	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-359-113	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-114	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-818
0-001-359-117	4640	4643	4676	W-226	-	ST-909	84308	4-666	7-818
0-001-359-118	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-818
0-001-359-119	4640	4643	4676	W-226	-	ST-909	84308	4-673	7-795
0-001-359-122	4640	4643	4676	W-226	-	ST-909	84308	4-843	7-818
0-001-359-124	4640	4643	4676	W-226	-	ST-909	84308	4-842	7-818
0-001-360-002	4640	4643	4676		RK-3601	-	84320	4-665	7-738
0-001-360-004	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-738
0-001-360-008	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-738
0-001-360-009	4640	4643	4676	WX-32	RK-3601	-	84320	4-665	7-738
0-001-360-010	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-738
0-001-360-012	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-738
0-001-360-013	4640	4643	4676	WX-32	RK-3601	-	84320	4-666	7-738
0-001-360-015	4640	4643	4676	WX-32	RK-3601	-	84320	4-843	-
0-001-360-016	4640	4643	4676	WX-32	RK-3601	-	84320	4-665	-
0-001-360-017	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	-
0-001-360-018	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-738
0-001-360-019	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	-
0-001-360-022	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-818
0-001-360-023	4644	4643	4676	WX-32	-	-	84321	4-673	-
0-001-360-024	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	-

bill of materials . . .

for Bosch 314-369 Series

ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Repair Kit	Field Coil	Armature	Drive	Solenoid
0-001-360-025	4644	4643	4676	WX-32	-	-	84321	4-673	7-739
0-001-360-026	4640	4643	4676	WX-32	RK-3601	-	84320	4-666	7-798
0-001-360-027	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	-
0-001-360-029	4640	4643	4676	WX-32	RK-3601	-	84320	4-842	7-798
0-001-360-030	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	-
0-001-360-031	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	-
0-001-360-032	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-798
0-001-360-033	4640	4643	4676	WX-32	RK-3601	-	84320	4-842	7-798
0-001-360-034	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-798
0-001-360-035	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-798
0-001-360-036	4644	4643	4676	WX-32	-	-	84321	4-673	7-739
0-001-360-037	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-798
0-001-360-038	4640	4643	4676	WX-32	RK-3601	-	84320	4-673	7-798
0-001-360-039	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	-
0-001-360-040	4644	4643	4676	WX-32	-	ST-905	84321	4-673	7-739
0-001-360-041	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-842	7-798
0-001-360-043	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-843	7-798
0-001-360-044	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-666	-
0-001-360-045	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-798
0-001-360-047	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-738
0-001-360-049	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-739
0-001-360-050	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-666	7-798
0-001-360-053	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-842	7-738
0-001-360-054	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-842	-
0-001-360-055	4640	4643	4676	WX-32	RK-3601	ST-905	84320	-	-
0-001-360-056	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-798
0-001-360-057	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	-
0-001-360-058	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-666	-
0-001-360-060	4640	4643	4676	WX-32	RK-3601	ST-905	84320	-	7-798
0-001-360-061	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-673	7-798
0-001-360-063	4640	4643	4676	WX-32	RK-3601	ST-905	84320	4-843	7-798
0-001-362-001	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-003	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-004	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-006	4644	4644	4645	W-23	-	ST-785	84323	-	-
0-001-362-007	4644	4644	4645	W-23	-	ST-785	84323	-	-
0-001-362-008	4644	4644	4645	W-23	-	ST-785	84323	-	-
0-001-362-011	4644	4644	4645	W-23	-	ST-785	84323	-	-
0-001-362-012	4644	4644	4645	W-23	-	ST-785	84323	4-862	-
0-001-362-013	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-795
0-001-362-014	4644	4644	4645	W-23	-	ST-785	84323	-	7-795
0-001-362-015	4644	4644	4645	W-23	-	ST-785	84323	-	7-795
0-001-362-016	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-795
0-001-362-017	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-818
0-001-362-019	4644	4644	4645	W-23	-	ST-785	84323	-	7-818
0-001-362-021	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-818
0-001-362-022	4644	4644	4645	W-23	-	ST-785	84323	-	7-795
0-001-362-023	4644	4644	4645	W-23	-	ST-785	84323	-	7-795

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 314-369 Series



ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Repair Kit	Field Coil	Armature	Drive	Solenoid
0-001-362-024	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-795
0-001-362-025	4644	4644	4645	W-23	-	ST-785	84323	-	7-795
0-001-362-027	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-028	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-029	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-030	4362	4644	4645	W-23	-	ST-785	84322	4-614	7-818
0-001-362-032	4644	4644	4645	W-23	-	ST-785	84323	-	7-818
0-001-362-033	4644	4644	4645	W-23	-	ST-785	84323	4-862	7-818
0-001-362-034	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-035	4644	4677	4676	W-97	-	ST-785	84302	4-844	7-795
0-001-362-036	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-037	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-795
0-001-362-038	4362	4677	4676	W-97	-	ST-785	84325	4-684	7-818
0-001-362-039	4644	4677	4676	W-97	-	ST-785	84302	-	-
0-001-362-040	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-041	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-042	4644	4677	4676	W-97	-	ST-785	84302	4-844	7-818
0-001-362-044	4644	4644	4645	W-23	-	ST-785	84323	-	-
0-001-362-045	4644	4677	4676	W-97	-	ST-785	84302	4-860	7-747
0-001-362-046	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-047	4362	4677	4645	W-97	-	-	84325	4-684	7-818
0-001-362-049	4644	4677	4676	W-97	-	ST-785	84302	-	7-818
0-001-362-050	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-051	4640	4677	4676	W-97	-	ST-785	-	4-675	7-818
0-001-362-052	4640	4677	4676	W-97	-	ST-785	-	-	7-818
0-001-362-053	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-057	4644	4677	4676	W-97	-	ST-785	84302	-	7-818
0-001-362-058	4644	4677	4676	W-97	-	-	-	-	7-795
0-001-362-059	4644	4677	4676	W-97	-	ST-785	84302	4-844	7-818
0-001-362-060	4644	4677	4676	W-97	-	ST-785	84302	4-845	7-818
0-001-362-061	4644	4677	4645	W-97	-	ST-785	84302	4-860	7-747
0-001-362-062	4644	4677	4676	W-97	-	ST-785	84302	-	7-818
0-001-362-063	4640	4677	4676	W-97	-	ST-785	-	4-675	7-795
0-001-362-064	4640	4677	4676	W-97	-	ST-785	-	4-835	7-818
0-001-362-069	4362	4677	4676	W-97	-	ST-785	84325	4-684	7-818
0-001-362-070	4362	4677	4676	W-97	-	ST-785	84325	4-684	7-818
0-001-362-071	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-072	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-073	4644	4677	4676	W-97	-	ST-785	84302	-	7-818
0-001-362-074	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-075	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-076	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-362-077	4362	4677	4676	W-97	-	ST-785	84325	4-684	7-818
0-001-362-078	4362	4677	4645	W-97	-	ST-785	84325	4-684	7-818
0-001-362-079	4644	4677	4676	W-97	-	ST-785	84302	4-860	7-747
0-001-362-081	4644	4677	4676	W-97	-	ST-785	84302	4-864	7-747
0-001-362-082	4640	4677	4676	W-97	-	ST-785	-	4-674	-
0-001-362-083	4362	4677	-	W-97	-	ST-785	84325	4-684	7-818

bill of materials . . .

for Bosch 314-69 Series

<i>ID No</i>	<i>DE Bushing</i>	<i>CE Bushing</i>	<i>CS Bushing</i>	<i>Brush</i>	<i>Repair Kit</i>	<i>Field Coil</i>	<i>Armature</i>	<i>Drive</i>	<i>Solenoid</i>
0-001-362-085	4644	4677	4676	W-97	-	-	-	-	7-818
0-001-362-300	4640	4677	4676	W-97	-	ST-785	84326	4-675	7-795
0-001-362-301	4640	4677	4676	W-97	-	ST-785	84326	4-835	7-818
0-001-362-303	4640	4677	4676	W-97	-	ST-785	84326	4-835	7-818
0-001-362-304	4640	4677	4676	W-97	-	ST-785	84326	4-835	7-818
0-001-362-305	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-362-310	4640	4677	4676	W-97	-	ST-785	84326	4-838	7-795
0-001-362-312	4640	-	4676	W-97	-	ST-785	-	-	-
0-001-362-600	4362	4677	4676	W-97	-	ST-785	84325	4-684	7-818
0-001-362-601	4362	4677	4676	W-97	-	ST-785	84325	4-684	-
0-001-362-602	4644	4677	4676	W-97	-	-	84302	4-864	7-747
0-001-362-605	4362	4677	4676	W-97	-	ST-785	84325	4-684	-
0-001-363-001	4362	4644	4645	-	-	-	-	-	-
0-001-363-101	4644	4644	4645	-	-	-	-	-	7-798
0-001-363-103	4644	4677	4676	-	-	-	-	-	7-798
0-001-363-104	4644	4677	4676	-	-	-	-	4-860	7-798
0-001-363-105	4644	4677	4645	-	-	-	-	4-844	7-798
0-001-363-106	4362	4677	4645	-	-	-	-	-	7-798
0-001-363-107	4644	4677	4645	-	-	-	-	4-674	7-798
0-001-363-109	4644	4677	4645	-	-	-	-	4-674	7-798
0-001-363-111	4644	4677	4645	-	-	-	-	-	7-798
0-001-363-113	4644	4677	4645	-	-	-	-	4-674	7-798
0-001-363-116	4644	4677	4645	W-97	-	-	-	4-675	7-798
0-001-363-117	4644	4677	4645	-	-	-	-	4-844	7-798
0-001-364-100	4640	-	4676	WX-32	-	ST-907	-	4-673	7-743
0-001-364-101	4640	-	4676	WX-32	-	ST-907	-	4-842	7-743
0-001-364-102	4644	-	4676	WX-32	-	ST-907	-	4-842	-
0-001-364-103	4640	-	4676	WX-32	-	ST-907	-	4-842	-
0-001-364-104	4640	-	4676	WX-32	-	ST-907	-	4-842	7-743
0-001-364-105	4644	-	4676	WX-32	-	ST-907	-	4-673	7-743
0-001-364-106	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-108	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-200	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-201	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-202	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-203	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-204	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-364-205	4640	-	4676	WX-32	-	ST-907	-	-	-
0-001-365-004	4640	-	4676	W-226	-	-	-	4-673	-
0-001-365-005	4640	-	4676	W-226	-	-	-	-	-
0-001-365-006	4640	-	4676	W-226	-	-	-	4-842	-
0-001-365-007	4640	-	4676	W-226	-	-	-	-	-
0-001-365-008	4640	-	4676	W-226	-	-	-	-	-
0-001-366-001	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-795
0-001-366-002	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-795
0-001-366-003	4644	4677	4645	W-97	-	-	-	-	7-795
0-001-366-004	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-366-005	4644	4677	4645	W-97	-	-	-	-	7-818

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 314-369 Series



ID No	DE Bushing	CE Bushing	CS Bushing	Brush	Repair Kit	Field Coil	Armature	Drive	Solenoid
0-001-366-006	4644	4677	4676	W-97	-	-	-	-	7-818
0-001-366-008	4640	4677	4645	W-97	-	ST-785	-	4-835	7-818
0-001-366-009	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-795
0-001-366-010	4644	4677	4645	W-97	-	-	-	-	7-795
0-001-366-011	4644	4677	4645	W-97	-	ST-785	84302	4-844	7-818
0-001-366-012	4644	4677	4645	W-97	-	ST-785	84302	4-844	7-795
0-001-366-013	4644	4677	4645	W-97	-	-	-	-	7-795
0-001-366-014	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-366-015	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-818
0-001-366-016	4640	4677		W-97	-	-	-	-	7-795
0-001-366-017	4644	4677	4645	W-97	-	ST-785	84302	4-674	7-795
0-001-366-018	4644	4677	4676	W-97	-	ST-785	-	4-675	7-795
0-001-366-019	4644	4677	4676	W-97	-	ST-785	-	-	7-818
0-001-366-020	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-795
0-001-366-021	4644	4677	4676	W-97	-	ST-785	-	4-675	7-818
0-001-366-022	4644	4677	4676	W-97	-	ST-785	84302	4-674	7-818
0-001-366-024	4644	4677	4676	W-97	-	ST-785	84302	4-844	7-795
0-001-366-025	4644	4677	4645	W-97	-	ST-785	84302	-	7-795
0-001-366-026	4640	4677	4645	W-97	-	-	-	-	7-818
0-001-366-027	4644	4677	4676	W-97	-	ST-785	84302	4-844	7-795
0-001-366-028	4644	4677	4676	W-97	-	-	-	-	7-795
0-001-366-029	4644	4677	4676	W-97	-	-	-	-	7-795
0-001-367-001	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-002	4640	4677	4676	WX-35	-	ST-901	84306	4-837	7-818
0-001-367-003	4644	4677	4676	WX-35	-	ST-901	-	-	-
0-001-367-004	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-005	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-006	4640	4677	4676	WX-35	-	ST-901	84306	4-838	-
0-001-367-007	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-008	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-818
0-001-367-009	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-795
0-001-367-010	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-011	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-012	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-013	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-795
0-001-367-014	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-015	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-818
0-001-367-016	4640	4677	4676	WX-35	-	ST-901	84306	-	7-818
0-001-367-018	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-818
0-001-367-021	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-022	4640	4677	4676	WX-35	-	ST-901	84306	4-838	-
0-001-367-023	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-795
0-001-367-024	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-818
0-001-367-025	4640	4677	4676	WX-35	-	ST-901	84306	-	7-818
0-001-367-026	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-027	4640	4677	4676	WX-35	-	ST-901	84306	4-675	-
0-001-367-028	4640	4677	4676	WX-35	-	ST-901	84306	4-841	7-818
0-001-367-029	4640	4677	4676	WX-35	-	ST-901	84306	4-841	7-818

bill of materials . . .

for Bosch 314-369 Series

<i>ID No</i>	<i>DE Bushing</i>	<i>CE Bushing</i>	<i>CS Bushing</i>	<i>Brush</i>	<i>Repair Kit</i>	<i>Field Coil</i>	<i>Armature</i>	<i>Drive</i>	<i>Solenoid</i>
0-001-367-030	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-032	4640	4677	4676	WX-35	-	ST-901	84306	4-835	7-818
0-001-367-033	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-034	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-794
0-001-367-036	4640	4677	-	WX-35	-	ST-901	84306	-	-
0-001-367-039	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-794
0-001-367-042	4640	4677	4676	WX-35	-	ST-901	84306	4-838	7-794
0-001-367-044	4640	4677	4676	WX-35	-	ST-901	84306	-	7-818
0-001-367-045	4640	4676	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-046	4640	4677	-	WX-35	-	ST-901	84306	4-675	-
0-001-367-048	4640	4677	4676	WX-35	-	ST-901	84306	4-837	7-818
0-001-367-050	4640	4677	4676	WX-35	-	ST-901	84306	4-675	7-818
0-001-367-054	4640	4677	-	WX-35	-	ST-901	84306	-	-
0-001-367-055	4640	4677	4676	WX-35	-	ST-901	84306	4-838	-
0-001-367-056	4640	4677	4676	WX-35	-	ST-901	84306	4-838	-
0-001-367-061	4640	4677	-	WX-35	-	-	-	-	-
0-001-367-062	4640	4677	4676	WX-35	-	-	-	-	-
0-001-367-063	4640	4677	-	WX-35	-	ST-901	84306	4-838	-
0-001-368-001	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-002	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-003	4640	4677	4676	WX-63	-	ST-902	84327	4-675	-
0-001-368-005	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-007	4640	4677	4676	WX-63	-	ST-902	84327	4-675	-
0-001-368-009	4640	4676	4676	WX-63	-	ST-902	84327	4-835	7-798
0-001-368-010	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-011	4640	4677	4676	WX-63	-	ST-902	84327	4-675	-
0-001-368-012	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-013	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-016	4640	4677	4676	WX-63	-	ST-902	-	-	7-798
0-001-368-017	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-018	4640	4677	4676	WX-63	-	-	84327	4-675	7-739
0-001-368-019	4640	4677	4676	WX-63	-	ST-902	84327	-	-
0-001-368-020	4640	4677	4676	WX-63	-	ST-902	84327	4-841	-
0-001-368-021	4640	4677	4640	WX-63	-	ST-902	84327	4-675	-
0-001-368-023	4640	4677	4676	WX-63	-	ST-902	84327	4-837	-
0-001-368-024	4640	4677	4676	WX-63	-	-	84327	4-675	7-798
0-001-368-025	4640	4677	4676	WX-63	-	ST-902	84327	4-835	-
0-001-368-026	4640	4677	4676	WX-63	-	ST-902	84327	4-838	-
0-001-368-027	4640	4677	4676	WX-63	-	ST-902	84327	4-838	-
0-001-368-028	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-798
0-001-368-030	4640	4677	4676	WX-63	-	ST-902	84327	4-675	7-739
0-001-368-034	4640	4677	4676	WX-63	-	ST-785	84327	-	7-798
0-001-368-035	4677	4640	4676	WX-63	-	-	84327	4-675	-
0-001-368-036	4640	4677	-	WX-63	-	-	84327	4-838	-
0-001-368-038	4640	4677	4676	WX-63	-	ST-902	84327	4-838	-
0-001-368-040	4640	4677	4676	WX-63	-	ST-902	84327	4-837	7-798
0-001-368-069	4640	4677	4676	WX-63	-	ST-902	84327	-	7-798
0-001-368-071	4640	4677	4676	WX-63	-	ST-902	84327	4-835	7-739

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

bill of materials . . .

for Bosch 410-418 Series

ID No	Repair Kit <i>includes DE & CE Bushing</i>	Brush	Field Coil	Armature	Solenoid Switch	Control Relay	Pinion	Clutch
0-001-410-015	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-016	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-793	4-792
0-001-410-019	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-021	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-793	4-792
0-001-410-022	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-793	4-792
0-001-410-024	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-793	4-792
0-001-410-029	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-032	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-034	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-035	RK-4101	WX-131	ST-900	84310	-	7-728	-	4-792
0-001-410-037	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-041	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-043	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-793	4-792
0-001-410-044	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-045	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-046	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-049	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-793	4-792
0-001-410-050	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-052	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-793	4-792
0-001-410-058	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-062	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-063	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-065	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-410-067	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-410-068	RK-4101	WX-131	-	84310	7-727	7-728	-	4-792
0-001-410-069	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-075	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-077	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-078	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-795	4-792
0-001-410-081	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-083	RK-4101	WX-131	-	84310	7-727	7-728	4-795	4-792
0-001-410-087	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-088	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-090	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-410-092	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-410-094	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-410-097	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-410-098	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-101	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-102	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-104	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-106	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-109	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-111	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-113	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-410-115	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-410-117	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-795	4-792
0-001-411-001	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 410-418 Series



ID No	Repair Kit <i>includes DE & CE Bushing</i>	Brush	Field Coil	Armature	Solenoid Switch	Control Relay	Pinion	Clutch
0-001-411-002	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-004	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-005	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-411-006	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-007	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-009	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-411-010	RK-4101	WX-131	ST-900	-	7-727	7-728	4-796	4-792
0-001-411-012	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-793	4-792
0-001-411-013	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-796	4-792
0-001-411-014	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-795	4-792
0-001-411-015	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-411-016	RK-4101	WX-131	ST-900	84310	7-726	7-728	4-796	4-792
0-001-411-017	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-019	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-020	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-795	4-792
0-001-411-021	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-022	RK-4101	WX-131	ST-900	84310	7-727	7-728	4-795	4-792
0-001-411-024	RK-4101	WX-131	-	84310	7-727	-	-	4-792
0-001-411-025	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-026	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-027	RK-4101	WX-131	ST-900	84310	7-726	7-728	-	4-792
0-001-411-028	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-031	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-032	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-035	RK-4101	WX-131	ST-900	84310	7-727	7-728	-	4-792
0-001-411-036	RK-4101	WX-131	-	84310	7-726	7-728	4-796	4-792
0-001-411-349	RK-4101	WX-131	-	-	-	-	-	-
0-001-413-001	RK-4101	WX-36	-	84329	7-729	7-725	4-795	4-792
0-001-413-004	RK-4101	WX-36	-	84329	7-729	-	4-795	4-792
0-001-413-006	RK-4101	WX-36	-	84329	7-729	7-725	4-793	4-792
0-001-413-010	RK-4101	WX-36	-	84329	7-729	7-725	4-795	4-792
0-001-413-018	RK-4101	WX-36	-	84329	7-729	7-725	4-796	4-792
0-001-414-001	RK-4101	WX-131	ST-903	84328	7-727	7-728	-	4-792
0-001-414-003	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-414-008	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-792
0-001-414-009	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-414-010	RK-4101	WX-131	ST-903	84328	7-726	7-728	-	4-792
0-001-414-011	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-795
0-001-414-013	RK-4101	WX-131	ST-903	84328	7-727	7-728	4-796	4-792
0-001-414-015	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-793	4-792
0-001-414-016	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-414-018	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-793	4-792
0-001-414-019	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-792
0-001-414-020	RK-4101	WX-131	ST-903	84328	7-727	7-728	4-796	4-792
0-001-414-022	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-001	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-002	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-003	RK-4101	WX-131	ST-903	84328	7-727	7-728	4-796	4-792

bill of materials . . .

for Bosch 410-418 Series

ID No	Repair Kit <i>includes DE & CE Bushing</i>	Brush	Field Coil	Armature	Solenoid Switch	Control Relay	Pinion	Clutch
0-001-415-006	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-007	RK-4101	WX-131	ST-903	84328	7-726	7-728	-	4-792
0-001-415-008	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-796
0-001-415-009	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-792
0-001-415-010	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-011	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-792
0-001-415-013	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-792
0-001-415-017	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-796	4-796
0-001-415-019	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-415-021	RK-4101	WX-131	ST-903	84328	7-727	7-728	4-796	4-796
0-001-415-022	RK-4101	WX-131	ST-903	84328	7-727	7-728	-	-
0-001-415-023	RK-4101	WX-131	ST-903	84328	7-726	7-728	-	4-792
0-001-415-024	RK-4101	WX-131	ST-903	84328	7-727	7-728	-	4-792
0-001-415-027	RK-4101	WX-131	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-001	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-793	4-792
0-001-416-002	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-003	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-796	4-792
0-001-416-004	RK-4101	WX-33	ST-903	84328	7-726	7-728	-	4-792
0-001-416-005	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-796	4-792
0-001-416-006	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-009	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-796	4-792
0-001-416-010	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-795	4-792
0-001-416-013	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-014	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-017	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-793	4-792
0-001-416-018	RK-4101	WX-33	ST-903	84328	7-727	7-728	-	4-792
0-001-416-022	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-023	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-024	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-026	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-795	4-792
0-001-416-028	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-795	4-792
0-001-416-029	RK-4101	WX-33	ST-903	84328	7-726	7-728	-	4-792
0-001-416-030	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-796	4-792
0-001-416-031	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-032	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-033	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-035	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-039	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-044	RK-4101	WX-33	ST-903	84328	7-727	7-728	-	4-792
0-001-416-045	RK-4101	WX-33	ST-903	84328	7-727	7-728	-	4-792
0-001-416-046	RK-4101	WX-33	ST-903	84328	7-726	7-728	-	4-792
0-001-416-047	RK-4101	WX-33	ST-903	84328	7-726	7-728	4-793	4-792
0-001-416-049	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-050	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-051	RK-4101	WX-33	ST-903	84328	7-727	7-728	-	4-792
0-001-416-053	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792
0-001-416-056	RK-4101	WX-33	ST-903	-	7-727	7-728	-	4-792
0-001-416-058	RK-4101	WX-33	ST-903	84328	7-727	7-728	4-796	4-792

CALL YOUR LOCAL ACE WAREHOUSE FOR BOSCH STARTER COMPONENTS!

for Bosch 410-418 Series



ID No	Repair Kit <i>includes DE & CE Bushing</i>	Brush	Field Coil	Armature	Solenoid Switch	Control Relay	Pinion	Clutch
0-001-416-059	RK-4101	WX-131	ST-903	84310	7-726	7-728	4-795	4-792
0-001-417-001	RK-4101	WX-33	ST-908	-	7-726	7-728	4-795	4-792
0-001-417-003	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-796	4-792
0-001-417-004	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-793	4-792
0-001-417-011	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-793	4-792
0-001-417-012	RK-4101	WX-33	ST-908	-	7-727	7-728	4-796	4-792
0-001-417-013	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-014	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-015	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-016	RK-4101	WX-33	ST-908	-	7-726	7-728	4-796	4-792
0-001-417-018	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-020	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-795	4-792
0-001-417-021	RK-4101	WX-33	-	-	7-727	7-728	-	4-792
0-001-417-022	RK-4101	WX-33	ST-908	-	7-727	7-728	4-796	4-792
0-001-417-023	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-025	RK-4101	WX-33	ST-908	-	7-726	7-728	4-796	4-792
0-001-417-026	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-027	RK-4101	WX-33	-	-	7-727	7-728	4-795	4-792
0-001-417-028	RK-4101	WX-33	-	-	7-727	7-728	4-795	4-792
0-001-417-029	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-030	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-417-031	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-796	4-792
0-001-417-033	RK-4101	WX-33	ST-908	84310	7-727	7-728	4-796	4-792
0-001-417-037	RK-4101	WX-33	ST-908	-	7-727	7-728	4-795	4-792
0-001-417-043	RK-4101	WX-33	ST-908	-	7-727	7-728	4-796	4-792
0-001-417-044	RK-4101	WX-33	ST-908	-	7-727	7-728	4-796	4-792
0-001-417-047	RK-4101	WX-33	ST-908	-	7-727	7-728	4-796	4-792
0-001-417-050	RK-4101	WX-33	ST-908	-	7-727	7-728	-	4-792
0-001-418-001	RK-4101	WX-36	-	84329	7-729	7-725	4-795	4-792
0-001-418-005	RK-4101	WX-36	-	84329	7-729	7-725	4-793	4-792
0-001-418-009	RK-4101	WX-36	-	84329	-	-	4-792	4-792
0-001-418-010	RK-4101	WX-36	-	84329	7-729	7-725	4-796	4-792
0-001-418-012	RK-4101	WX-36	-	84329	7-729	7-725	4-793	4-792

Repair Kits



RK-3601

(236-33101)

Repair Kit for Bosch 360 Series Starters

▲ For 24 Volt Units

Includes:

- Brushes
- Brush Springs
- Bushings
- O-Rings
- Stop Collar
- Stop Ring
- Thrust Washers
- Shims
- Solenoid Mounting Screws



RK-4101

(236-33105)

Repair Kit for Bosch 410 Series, Type KB Starters

Used On: Various 12 & 24 Volt, 3.5-6.6kw 410 thru 418 Series Starters

Includes:

- CE Bushing
- Coupling Plate Bolts
- Bushing, Washer
- Drive Clutch
- Needle Bearing
- Seal
- Spring
- Shift Rod Nut
- Switch Cover
- O-Ring
- Sealing Washers
- Cup Washers

Armatures



84302

(243-33102)

12 Volt, CW

Replaces: Bosch 2-004-004-074, 2-004-004-092



84304

(243-33103)

12 Volt, CW

Replaces: Bosch 9-001-083-327



84306

(243-33104)

12 Volt, CW

Replaces: Bosch 2-004-004-003



84308

(243-33105)

12 Volt, CW

Replaces: Bosch 2-004-004-112



84310

(243-33106)

24 Volt, CW

Replaces: Bosch 2-004-005-025



84320

(243-33120)

24 Volt

Replaces: Bosch 2-004-004-062, 2-004-004-111



84322

(243-33122)

12 Volt

Replaces: Bosch 2-004-004-071



84323

(243-33123)

12 Volt

Replaces: Bosch 2-004-004-072

Armatures



84325
(243-33125)
12 Volt
Replaces: Bosch 2-004-004-075



84326
(243-33126)
12 Volt
Replaces: Bosch 0-004-004-091



84327
(243-33127)
24 Volt
Replaces: Bosch 2-004-004-033,
2-004-004-036



84328
(243-33128)
24 Volt
Replaces: Bosch 2-004-005-022



84329
(243-33129)
12 Volt
Replaces: Bosch 2-004-005-026,
2-004-005-155

Brushes



L -----22mm
W -----15.5mm
T -----7mm

W-11
(222-33100)
6-12 Volt
Replaces: Bosch 1-004-320-031,
1-004-320-059, -091, 1-007-014-101,
1-007-014-104, 1-007-014-110



L -----19mm
W -----16mm
T -----7mm

W-13
(222-33101)
12 Volt
Replaces: Bosch 1-004-320-063,
1-007-014-117, 2-004-320-154



L -----19mm
W -----16mm
T -----7mm

W-14
(222-33102)
12 Volt
Replaces: Bosch 1-004-320-901,
1-007-014-127
▲ For Insulated Brush Use W-13
▲ For Shuntless Brush Use W-28



L -----17mm
W -----14mm
T -----7mm

W-15
(222-33103)
6-12 Volt
Replaces: Bosch 2-004-320-043,
2-007-014-000



L -----21.5mm
W -----15.5mm
T -----7mm

W-16
(222-33104)
6 Volt
Replaces: Bosch 1-004-320-051,
0-004-320-067, 1-107-014-126

Brushes



L -----18mm
W -----10mm
T -----7mm

W-20
(222-33105)
12 Volt

Replaces: Bosch 1-004-320-076,
2-004-320-172, 2-004-320-173,
2-004-320-180, 2-007-014-026
▲ For Insulated Lead Use MS-183
▲ For Shuntless Version Use W-26



L -----25mm
W -----12.5mm
T -----9mm

W-21
(222-33106)
6-12 Volt

Replaces: Bosch 1-007-014-100,
2-004-320-006



L -----16mm
W -----14mm
T -----7mm

W-22
(222-33107)
12 Volt

Replaces: Bosch 2-007-014-018,
2-004-320-026



L -----25mm
W -----16mm
T -----9mm

W-23
(222-33108)
12 Volt

Replaces: Bosch 2-004-320-124,
2-007-014-053



L -----18.5mm
W -----16mm
T -----7mm

W-24
(222-33109)
12 Volt

Replaces: Bosch 1-007-014-121



L -----18mm
W -----10mm
T -----7mm

W-26
(222-33110)
12 Volt

Replaces: 1-004-320-900, 1-007-014-126
▲ For Insulated Lead Use MS-183
▲ For Uninsulated Lead Use W-20



L -----18mm
W -----16mm
T -----7mm

W-27
(222-33111)
12 Volt

Replaces: Bosch 2-007-014-038



L -----18mm
W -----16mm
T -----7mm

W-28
(222-33112)
12 Volt

Replaces: Bosch 1-007-014-127,
1-004-320-903, 1-007-014-129
▲ For Insulated Lead Use W-14
▲ For Uninsulated Lead Use W-13



L -----22.5mm
W -----22mm
T -----8mm

WX-31
(222-33122)
12 Volt

Replaces: 2-004-320-074,
2-007-014-006
▲ Set Of Four

Brushes



L -----23mm
W -----25mm
T -----8mm

WX-32
(222-33123)
24 Volt
Replaces: Bosch 2-004-320-217,
2-007-014-049
▲ Set Of Four



L -----27mm
W -----36mm
T -----12mm

WX-33
(222-33124)
24 Volt
Replaces: Bosch 2-004-320-085,
2-007-014-070
▲ Set Of Four



L -----23.5mm
W -----22mm
T -----10mm

WX-34
(222-33125)
12 Volt
Replaces: Bosch 9-001-083-433
▲ Set Of Four



L -----17mm
W -----25mm
T -----10mm

WX-35
(222-33126)
12 Volt
Replaces: Bosch 2-004-820-101,
2-004-320-102; 2-007-014-062
▲ Set Of Four



L -----27mm
W -----36mm
T -----12mm

WX-36
(222-33127)
12 Volt
Replaces: Bosch 2-004-320-263,
2-007-014-060
▲ Set Of Four



L -----27.2
W -----35.9
T -----9.8

WX-37
(222-33129)
12 Volt
Replaces: 2-004-014-067
▲ Set Of Four



L -----17mm
W -----25mm
T -----8mm

WX-63
(222-33108-09)
24 Volt
Replaces: Bosch 2-004-320-103,
2-004-320-104, 2-007-014-063



L -----17mm
W -----16mm
T -----9mm

W-97
(222-33128)
12 Volt
Replaces: Bosch 2-004-320-033,
2-007-014-057



L -----26mm
W -----36mm
T -----12mm

WX-131
(222-33109-09)
24 Volt
Replaces: Bosch 1-007-014-105,
2-004-320-058, 2-004-320-251,
2-004-320-255, 2-007-014-008,
2-007-014-048, 2-007-014-061

Brushes



L -----14mm
W -----10mm
T -----7mm

W-137
(222-33113)
12 Volt

Replaces: Bosch 1-007-014-137,
1-007-014-145, 1-004-320-101,
1-004-320-911,



L -----14.5mm
W -----18mm
T -----6mm

W-154
(222-33114)
12 Volt

Replaces: Bosch 1-004-320-111
▲ Use w/W-155



L -----14.5mm
W -----18mm
T -----6mm

W-155
(222-33115)
12 Volt

Replaces: Bosch 1-004-320-111
▲ Use w/W-154



L -----13mm
W -----16mm
T -----5mm

W-159
(222-33116)
12 Volt

Replaces: Bosch 1-004-320-113
▲ Use w/W-160



L -----13mm
W -----16mm
T -----5mm

W-160
(222-33117)
12 Volt

Replaces: Bosch 1-004-320-113
▲ Use w/W-159



L -----17mm
W -----18mm
T -----7.5mm

W-161
(222-33118)
12 Volt

Replaces: Bosch 1-004-320-912,
1-007-014-143



L -----15mm
W -----16mm
T -----7mm

W-198
(222-33119)
12 Volt

Replaces: Bosch 1-007-014-138,
1-007-014-138



L -----23mm
W -----25mm
T -----10mm

W-226
(222-33120)
12 Volt

Replaces: Bosch 2-004-320-220,
2-007-014-052



L -----17mm
W -----16mm
T -----6mm

Z-2
(222-35100)
12 Volt

Replaces: Fiat 805581, 4259228,
Magnetti Marelli 74868171

Brush Springs



S-2952
(224-33101)

Replaces: Bosch 1-004-652-002

Automatic Drives



OD-----26.9mm
ID-----12mm
Length--64mm

4-344
(227-33164)

10 Tooth, CW, 5 Spline
Replaces: American Motors 8127863,
Bosch 1-006-209-429, Ford D8RZ-
11350A, Motorcraft SDE308



OD-----25mm
ID-----12mm
Length--64mm

4-345
(227-33165)

9 tooth, CW, 5 Spline
Replaces: Bosch 1-006-209-404, 1-006-
209-410, 1-006-209-414, 1-006-209-416,
1-006-209-427, 1-006-209-447,
1-006-209-462, 1-006-209-463,
1-006-209-471, 9-001-082-340



OD-----25.2mm
ID-----11mm
Length--63.5mm

4-346
(227-33166)

9 tooth, CCW, 5 Spline
Replaces: Bosch 1-006-209-424,
Chrysler 5206624, CH-1930,
Volkswagen 005-911-3358, 005-922-
3358



OD-----25.8mm
ID-----11mm
Length--62mm

4-400
(227-33100)

9 tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-431,
2-006-209-162



OD-----29mm
ID-----12mm
Length--66.4mm

4-411
(227-33102)

9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-117,
1-006-209-119, 1-006-209-135,
1-006-209-320, 1-006-209-321,
1-006-209-322, 1-006-209-323,
1-006-209-324, 1-006-209-325,
1-006-209-410, 1-006-209-414,
1-006-209-416, 1-006-209-447



OD-----25.8mm
ID-----11mm
Length--66.5mm

4-412
(227-33103)

9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-061,
1-006-209-102, 1-006-209-104,
1-006-209-161, 1-006-209-339,
2-006-209-305



OD-----25.8mm
ID-----12mm
Length--64mm

4-414
(227-33105)

9 Tooth, CW, 5 Spline
Replaces: Bosch 1-006-209-403,
2-006-209-163

Automatic Drives



OD-----25mm
ID-----12mm
Length--64mm

4-415
(227-33106)
9 Tooth, CW, 5 Spline
Replaces: Bosch 1-006-209-080,
1-006-209-439



OD-----46mm
ID-----19mm
Length 118mm

4-472
(227-51032)
12 Tooth, CW, 19 Spline
Replaces: 2-006-202-000



OD-----46mm
ID-----19mm
Length 122mm

4-488
(227-51036)
12 Tooth, CW, 19 Spline
Replaces: 2-006-202-001, 2-006-202-003



OD-----25mm
ID-----12mm
Length--72mm

4-600
(227-33107)
9 Tooth, CW, 8 Spline
Replaces: Bosch 1-006-209-139,
1-006-209-250, 2-006-209-250



OD-----25.8mm
ID-----12mm
Length--68.5mm

4-601
(227-33108)
9 Tooth, CW, 8 Spline
Replaces: Bosch 1-006-209-029,
1-006-209-031, 1-006-209-034,
1-006-209-040, 1-006-209-047,
1-006-209-052, 1-006-209-053,
1-006-209-055, 1-006-209-058,
1-006-209-066, 1-006-209-101,
1-006-209-127, 1-006-209-332,
2-006-209-165, 2-006-209-166



OD-----29.7 mm
ID-----12mm
Length--68.5mm

4-602
(227-33109)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-030,
1-006-209-032, 1-006-209-039,
1-006-209-049, 1-006-209-056,
1-006-209-071, 1-006-209-105,
1-006-209-110, 1-006-209-140



OD-----25.8mm
ID-----11mm
Length--74mm

4-604
(227-33111)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-423



OD-----29.3mm
ID-----12mm
Length--64.3mm

4-605
(227-33163)
10 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-437,
2-006-209-321

Accessories **Drives**



OD-----29mm
ID-----12mm
Length--90.1mm

4-606
(227-33112)
9 Tooth, CW, 3 Spline
Replaces: Bosch 2-006-209-004,
2-006-209-048



OD-----25mm
Length 108mm

4-607
(227-33113)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-450,
2-006-209-280



OD-----25mm
Length 108mm

4-608
(227-33114)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-451



OD-----25.5mm
ID-----12mm
Length--77.7mm

4-609
(227-33115)
Replaces: Bosch 1-006-209-012,
1-006-209-014, 1-006-209-017,
1-006-209-125, 1-006-209-902



OD-----26.8mm
ID-----12mm
Length--68.3mm

4-610
(227-33167)
10 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-108,
2-006-209-322, 2-006-209-324,
2-006-209-332



OD-----29.2mm
ID-----12mm
Length--63.7mm

4-611
(227-33116)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-081,
1-006-209-444



OD-----29mm
ID-----12mm
Length--63.7mm

4-612
(227-33117)
11 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-425



OD-----33.5mm
ID-----14.3mm
Length--90mm

4-613
(227-33118)
9 Tooth, CW, 3 Spline
Replaces: Bosch 2-006-209-034,
2-006-209-183, 2-006-209-184,
2-006-209-189, 2-006-209-900,
2-006-209-904, 9-001-083-444,
Thermo King 44-967



OD-----25.8mm
ID-----12mm
Length--73mm

4-614
(227-33119)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-241,
2-006-209-331

Automatic **Drives**



OD-----41mm
ID-----14.3mm
Length--89mm

4-665
(227-33120)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-109,
2-006-209-120, 2-006-209-302,
2-006-209-342



OD-----40mm
ID-----14.3mm
Length--91mm

4-666
(227-33121)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-111,
2-006-209-305, 2-006-209-345,
2-006-209-405, 2-006-209-435



OD-----32mm
ID-----14.3mm
Length--91mm

4-669
(227-33122)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-414,
2-006-209-444



OD-----34.5mm
ID-----14.3mm
Length--90.5mm

4-672
(227-33123)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 2-006-209-220,
2-006-209-380



OD-----34.8mm
ID-----14.3mm
Length--91mm

4-673
(227-33124)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-107,
2-006-209-119, 2-006-209-301,
2-006-209-341, 2-006-209-401,
2-006-209-406, 2-006-209-422,
2-006-209-436, 9-001-083-436,
9-001-083-447



OD-----34.8mm
ID-----14.3mm
Length--74mm

4-674
(227-33125)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-449,
2-006-209-469, 2-006-209-476,
2-006-209-478, 2-006-209-485



OD-----34.8mm
ID-----14.3mm
Length--91mm

4-675
(227-33126)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-492,
2-006-209-530



OD-----25.8mm
ID-----11mm
Length--64mm

4-679
(227-33127)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-501



OD-----25.8mm
ID-----12mm
Length--64mm

4-680
(227-33128)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-500



OD-----25.8mm
ID -----11mm
Length--64mm

4-681
(227-33168)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-475,
1-006-209-477, Chrysler 5213384



OD-----25.8mm
ID -----12mm
Length--71mm

4-684
(227-33129)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-471



OD-----25.2mm
ID -----12mm
Length--84.5mm

4-685
(227-33130)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-502



OD-----25.6mm
ID -----12mm
Length--64mm

4-728
(227-33131)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-448



OD-----29.6mm
ID -----12mm
Length--64mm

4-729
(227-33132)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-466



OD-----26mm
ID -----11mm
Length--59mm

4-737
(227-33169)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-527,
Chrysler 5227115



OD-----25.8mm
ID -----12mm
Length--59mm

4-742
(227-33133)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-503,
1-006-209-504, 1-006-209-506,
1-006-209-509, 1-006-209-513,
1-006-209-526, 1-006-209-536



OD-----31.7mm
ID -----14.3mm
Length--91.3mm

4-743
(227-33134)
10m Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-200,
2-006-209-201, 2-006-209-306,
2-006-209-346, John Deere AT25910



Length 165mm

4-792
(227-33170)
Clutch Assembly, CW
Replaces: Bosch 2-003-162-001,
2-003-162-005, 2-003-162-006,
2-003-162-007, 2-003-162-016,
2-006-162-001, 2-006-162-005,
2-006-162-006, 2-006-162-016,
2-006-401-527
▲ Used w/Pinions 4-793 to 4-797

Automatic Drives



OD-----34.8mm
Length--61mm

4-793
(228-33100)
Pinion Gear
9 Tooth, CW
Replaces: Bosch 2-006-383-150
▲ Used w/Clutch Assembly 4-792



OD-----47.3mm
Length--61mm

4-794
(228-33101)
Pinion Gear
13 Tooth, CW, Steel
Replaces: Bosch 2-006-382-154
▲ Used w/Clutch Assembly 4-792



OD-----34.5mm
Length--61mm

4-795
(228-33102)
Pinion Gear
9 Tooth, CW, Steel
Replaces: Bosch 2-006-382-150,
2-006-382-176
▲ Used w/Clutch Assembly 4-792



OD-----40.5mm
Length--61mm

4-796
(228-33103)
Pinion Gear
11 Tooth, CW, Steel
Replaces: Bosch 2-006-382-152,
2-006-382-156, 2-006-383-152
▲ Used w/Clutch Assembly 4-792



OD-----40.6mm
Length--61mm

4-797
(228-33104)
Pinion Gear
11 Tooth, CW, Steel
Replaces: Bosch 2-006-382-172
▲ Used w/Clutch Assembly 4-792



OD-----25.2mm
ID-----12mm
Length--58.5mm

4-823
(227-33135)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-544



OD-----25mm
ID-----12mm
Length--80mm

4-825
(227-33136)
9 Tooth, CCW, 10 Spline
Replaces: Bosch 1-006-209-532



OD-----27.8mm
ID-----12mm
Length--58.4mm

4-827
(227-33137)
10 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-538



OD-----27.8mm
ID-----12mm
Length--58.4mm

4-828
(227-33138)
10 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-546

Overhaul **Drives**



OD-----41mm
ID-----14.3mm
Length--91mm

4-835
(227-33140)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-425,
2-006-209-494



OD-----34.8mm
ID-----14.3mm
Length--92.5mm

4-836
(227-33141)
9 Tooth, CW, 3 Spline
Replaces: Bosch 2-006-209-071,
2-006-209-366, 2-006-209-389,
2-006-209-916



OD-----40mm
ID-----14.3mm
Length--91mm

4-837
(227-33142)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-495



OD-----38.9mm
ID-----14.3mm
Length--91mm

4-838
(227-33143)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-499



OD-----29.7mm
ID-----12mm
Length--64mm

4-839
(227-33144)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-406,
2-006-209-474



OD-----29.5mm
ID-----12mm
Length--64mm

4-840
(227-33145)
11 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-413,
1-006-209-435, 2-006-209-164,
2-006-209-272



OD-----35mm
ID-----14.3mm
Length--91mm

4-841
(227-33146)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-426



OD-----41mm
ID-----14.3mm
Length--91mm

4-842
(227-33147)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-408,
2-006-209-410, 2-006-209-423,
2-006-209-438, 2-006-209-440,
Volkswagen 061-911-335A

Overhaul **Drives**



OD-----34.8mm
ID -----14.3mm
Length--91mm

4-843
(227-33148)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-118,
2-006-209-122, 2-006-209-303,
2-006-209-343, 2-006-209-417,
2-006-209-447



OD-----40.5mm
ID -----14.3mm
Length--73.5mm

4-844
(227-33149)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-475



OD-----39.6mm
ID -----14.3mm
Length--73.9mm

4-845
(227-33150)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-479



OD-----27.5mm
ID -----12mm
Length--65mm

4-847
(227-33151)
10 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-523,
9-003-336-291



OD-----28.9mm
ID -----12mm
Length--62mm

4-848
(227-33152)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-524,
9-003-336-280



OD-----25.2mm
ID -----12mm
Length--62mm

4-849
(227-33153)
9 Tooth, CW, 10 Spline
Replaces: Bosch 9-001-140-317



OD-----33.9mm
ID -----14.3mm
Length--73.9mm

4-850
(227-33154)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-470,
2-006-209-483



OD-----25.4mm
ID -----12mm
Length--64mm

4-854
(227-33155)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-469,
1-006-209-470, 1-006-209-473



OD-----24.8mm
Length 108mm

4-855
(227-33156)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-452

Overhaul **Drives**



OD-----34mm
ID -----12mm
Length--64mm

4-856
(227-33157)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-418



OD-----34.8mm
ID -----12mm
Length--64mm

4-857
(227-22158)
9 Tooth, CW, 10 Spline
Replaces: Bosch 1-006-209-436



OD-----36.5mm
ID -----14.3mm
Length--74mm

4-860
(227-33171)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-473,
2-006-209-481



OD-----34.8mm
ID -----14.3mm
Length--75mm

4-862
(227-33159)
9 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-243,
2-006-209-246, 2-006-209-333,
2-006-209-336



OD-----27mm
ID -----14.3mm
Length--73mm

4-864
(227-33160)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-431



OD-----32mm
ID -----14.3mm
Length--93.5mm

4-929
(227-33161)
10 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-427,
2-006-209-457, 2-006-209-459,
2-006-209-931

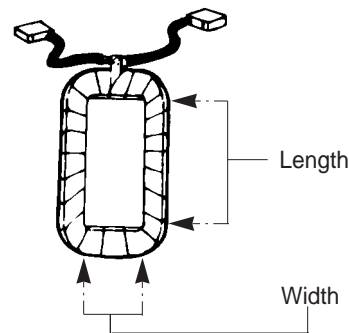


OD-----35.4mm
ID -----14.3mm
Length--73.8mm

4-934
(227-33162)
11 Tooth, CW, 10 Spline
Replaces: Bosch 2-006-209-465,
KHD 132-1160

Field Coils

Dimensions indicate inside pole shoe width and length.



W -----30mm
L -----62mm

ST-709
(249-33100)
12 Volt, CW
Replaces: Bosch 2-004-114-104,
2-004-114-105, 2-004-114-116,
2-004-114-117, DWC185L11Z,
DWC185L12Z, 44-1521, 44-1524

Field Coils



W -----25mm
L -----59mm

ST-750
(249-33101)
12 Volt, CW
Replaces: Bosch 1-004-112-527



W -----27mm
L -----65mm

ST-753
(249-33102)
12 Volt, CW
Replaces: Bosch 1-004-113-502



W -----24mm
L -----60mm

ST-755
(249-33103)
12 Volt, CW
Replaces: Bosch 1-004-112-519,
1-004-112-543



W -----29mm
L -----60mm

ST-757
(249-33104)
12 Volt, CCW
Replaces: Bosch 0-001-211-989,
0-001-211-990, 0-001-211-998,
2-004-112-003, DORY-11082-A,
SCE-393



W -----27mm
L -----47mm

ST-764
(249-33105)
12 Volt, CW
Replaces: Bosch 1-004-112-554



W -----27mm
L -----40mm

ST-771
(249-33107)
12 Volt, CCW
Replaces: Bosch 1-004-112-537,
1-004-112-547, 2-004-112-004



W -----25mm
L -----60mm

ST-776
(249-33108)
12 Volt, CCW
Replaces: Bosch 2-004-112-002



W -----22mm
L -----60mm

ST-780
(249-33109)
12 Volt, CW
Replaces: Bosch 1-004-112-508

Field Coils



W -----32mm
L -----85mm

ST-781
(249-33110)
12 Volt, CW
Replaces: Bosch 2-004-114-167,
2-007-010-041



W -----27mm
L -----70mm

ST-782
(249-33111)
12 Volt, CW
Replaces: Bosch 1-004-113-504,
1-004-113-513



W -----27mm
L -----40mm

ST-783
(249-33112)
12 Volt, CW
Replaces: Bosch 1-004-112-540,
1-004-112-542, 1-004-112-548



W -----35mm
L -----70mm

ST-785
(249-33113)
12 Volt, CW
Replaces: Bosch 2-004-114-179,
2-007-010-039, 2-007-010-059



W -----29mm
L -----70mm

ST-786
(249-33114)
12 Volt, CCW
Replaces: Bosch 1-004-113-536



W -----30mm
L -----100mm

ST-900
(249-33115)
24 Volt, CW
Replaces: Bosch 2-004-125-036



W -----35mm
L -----80mm

ST-901
(249-33116)
12 Volt, CW
Replaces: Bosch 2-004-114-060, 2-004-
114-061, 2-004-114-137, 2-004-114-291,
2-004-114-297



W -----30mm
L -----100mm

ST-902
(249-33117)
24 Volt, CW
Replaces: Bosch 2-004-114-065,
2-004-114-295

Field Coils



W -----30mm
L -----65mm

ST-903
(249-33118)
24 Volt, CW
Replaces: Bosch 2-004-125-078,
2-004-125-080



W -----30mm
L -----100mm

ST-905
(249-33120)
24 Volt, CW
Replaces: Bosch 2-004-114-168



W -----35mm
L -----85mm

ST-907
(249-33121)
24 Volt, CW
Replaces: Bosch 2-004-114-258



W -----30mm
L -----87mm

ST-908
(249-33122)
24 Volt, CW
Replaces: Bosch 2-004-125-076



W -----35mm
L -----85mm

ST-909
(249-33123)
12 Volt, CW
Field Coil for Bosch Heavy Duty Starters
Replaces: 2-004-114-169

Gear Train Assemblies & Components



L -----140mm

S-3290
(225-33151)
Gear Train Assembly
Replaces: Bosch 9-001-140-362,
9-001-337-059
Used On: Bosch 218 & 219 Series
Starters



L -----143mm

S-3291
(225-33152)
Gear Train Assembly
Replaces: Bosch 1-006-200-050,
9-001-337-056
Used On: Bosch 218 Series Starters



S-3293
(225-33154)
Gear Train Assembly
Replaces: Bosch 1-006-200-005,
1-006-200-018
Used On: Bosch 108 Series Starters



S-3294
(225-33155)
Gear Train Assembly
Replaces: Bosch 1-006-200-006
Used On: Bosch 110 Series Starters

**Gear Train Assemblies
& Components**



L -----78.3mm

S-3296
(225-33157)
Gear Train Assembly
Replaces: Bosch 1-006-200-903
Used On: Bosch 108 Series Starters



S-3280
(225-33100)
Gear Track Used w/S-3293 Gear Train Assembly
Replaces: Bosch 1-005-821-300, 1-005-821-307
Used On: Bosch 108 Series Starters



S-3281
(225-33101)
Gear Track Used w/S-3294 & S-3295 Gear Train Assemblies
Replaces: Bosch 1-005-821-303
Used On: Bosch 110 Series Starters



S-3283
(225-33102)
Gear Track Used w/S-3291 Gear Train Assembly
Replaces: Bosch 9-001-140-322
Used On: Bosch 218 Series Starters



S-3285
(225-33201)
Gear Housing Used w/S-3291 Gear Train Assembly
Used On: Bosch 110 Series Starters



S-3326
(225-33104)
Gear Ring Used w/S-3296 Gear Train Assembly
Used On: Bosch 108 Series Starters



S-3327
(225-33105)
Gear Ring Used w/S-3290 & S-3291 Gear Train Assemblies
Bosch Gear Assemblies: 9-001-337-056, 9-001-337-057, 9-001-337-058, 9-001-337-059, 9-001-337-062, 9-001-337-067, 9-001-337-075
Lester: 16949, 17016, 17040, 17183, 17410, 17414
Used On: Bosch 218 Series Starters



S-3328
(225-33228)
Gear Cover Used w/S-3290 & S-3291 Gear Train Assemblies
Bosch Gear Assemblies: 9-001-337-056, 9-001-337-057, 9-001-337-058, 9-001-337-059, 9-001-337-062, 9-001-337-067, 9-001-337-075
Used On: Bosch 218 Series Starters



S-3333
(225-33142)
Pin for Drive Pinion Used w/S-3293 & S-3296 Gear Train Assemblies
Used On: Bosch 108 Series Starters

**Gear Train Assemblies
& Components**



S-3335
(225-33144)
Pinion Repair Kit Used w/S-3291,
S-3294, S-3295 & S-3296 Gear Train
Assemblies



S-3336
(225-33145)
Pinion Repair Kit Used w/S-3293 Gear
Train Assembly



S-3337
(225-33229)
Rubber Cushion Used w/S-3290
& S-3291 Gear Train Assemblies
Bosch Gear Assemblies: 9-001-337-056,
9-001-337-057, 9-001-337-058,
9-001-337-059, 9-001-337-062,
9-001-337-067, 9-001-337-075



S-3338
(225-33141)
Pin for Drive Pinion Used w/S-3291,
S-3294 & S-3296 Gear Train Assemblies



S-3340
(225-33201)
Gear Housing Used w/S-3296 Gear Train
Assembly
For Bosch 108 Series Starters



S-3343
Gear Cover
For Bosch 108 Series Starters



S-3344
(225-33221)
Gear Cover Used w/S-3294 & S-3295
Gear Train Assemblies
For Bosch 110 Series Starters



S-3345
(225-33222)
Gear Cover Used w/S-3296 Gear Train
Assembly
For Bosch 108 Series Starters



S-3346
(225-33223)
Gear Cover
For Bosch 110 Series Starters



S-3347
(225-33224)
Cover Ring Used w/S-3296 Gear Train
Assembly
For Bosch 108 Series Starters



S-3348
(225-33225)
Cover Ring
For Bosch 110 Series Starters



S-3349
(225-33226)
Rubber Cushion Used w/S-3296 Gear
Train Assembly
For Bosch 108 Series Starters

**Gear Train Assemblies
& Components**



S-3350
(225-33227)
Rubber Cushion
For Bosch 110 Series Starters

**Miscellaneous
Components**



S-3282
(234-33100)
Shift Lever
Replaces: Chrysler 5227119

Alcon Solenoids



7-725
(241-33155)
12 Volt
Control Relay
Replaces: Bosch 0-331-101-011



7-726
(241-33156)
24 Volt
Replaces: Bosch 0-331-450-001,
0-331-450-004, 0-331-450-005



7-727
(241-33157)
24 Volt
Replaces: Bosch 0-331-450-002



7-728
(241-33158)
24 Volt
Control Relay
Replaces: Bosch 0-331-100-016,
0-331-100-016, 0-331-100-021,
0-331-100-025, 0-331-101-005,
0-331-101-008, 0-331-101-009,
0-331-450-002



7-729
(241-33159)
12 Volt
Replaces: Bosch 0-331-450-006



7-741
(241-33128)
12 Volt
Replaces: Bosch 0-331-303-030

Accurate Solenoids



7-742
(241-33129)
12 Volt
Replaces: Bosch 0-331-302-060



7-744
(241-33151)
12 Volt
Replaces: Bosch 0-331-303-048,
0-331-303-053, 0-331-303-061,
0-331-303-115



7-745
(241-33127)
12 Volt
Replaces: Bosch 0-331-303-008,
0-331-303-033, 0-331-303-074,
0-331-303-100, 9-330-081-046



7-748
(241-33126)
12 Volt
Replaces: Bosch 0-331-302-050,
Volkswagen 059-911-287C



7-749
(241-33125)
12 Volt
Replaces: Bosch 0-331-302-058

Plunger Length -----43mm



7-794
(241-33120)
12 Volt
Replaces: Bosch 0-331-402-013,
0-331-402-513



7-795
(241-33122)
12 Volt
Replaces: Bosch 0-331-401-038,
0-331-401-045, 0-331-402-002,
0-331-402-003, 0-331-402-502,
9-330-081-030



7-798
(241-33123)
24 Volt
Replaces: Bosch 0-331-402-007,
0-331-402-010, 0-331-402-015,
0-331-402-507, 0-331-402-555

Switch Terminal Dim -----M4 x 0.7

Overhaul Solenoids



7-800
(241-33111)
6 Volt
Replaces: Bosch 0-331-302-001,
0-331-302-002, 0-331-302-004,
0-331-302-005, 0-331-302-013,
0-331-302-015, 0-331-302-017,
0-331-302-021



7-801
(241-33149)
12 Volt
Replaces: Bosch 0-331-300-009,
0-331-302-003



7-802
(241-33108)
12 Volt
Replaces: Bosch 0-331-302-027,
0-331-302-029, 0-331-302-036,
0-331-302-039, 0-331-302-042,
0-331-302-044, 0-331-302-045,
0-331-302-046, 0-331-302-064,
0-331-302-075



7-803
(241-33102)
12 Volt
Replaces: Bosch 0-331-301-010,
0-331-301-011, 0-331-302-010,
0-331-302-011



7-804
(241-33150)
12 Volt
Replaces: Bosch 0-331-302-026,
0-331-302-048, 0-331-302-086,
0-331-302-094



7-805
(241-33117)
12 Volt
Replaces: Bosch 0-331-303-003,
0-331-303-007, 0-331-303-010,
0-331-303-015



7-806
(241-33112)
12 Volt
Replaces: Bosch 0-331-302-028,
0-331-302-031, 0-331-302-034,
0-331-302-052



7-807
(241-33141)
12 Volt
Replaces: Bosch 0-331-302-076,
0-331-302-101, 0-331-302-601

Plunger Length-----34mm

Accurate Solenoids



7-808
(241-33142)
12 Volt
Replaces: Bosch 0-331-302-031, 0-331-302-040, 0-331-302-051, 0-331-302-057, 0-331-302-062, 0-331-302-073, 0-331-302-082, Volkswagen 311-911-287



7-809
(241-33144)
12 Volt
Replaces: Bosch 0-331-303-005, 0-331-303-016, 0-331-303-028, 0-331-303-031, 0-331-303-037, 0-331-303-041
Ford D3RY-11390A



7-810
(241-33124)
12 Volt
Replaces: Bosch 0-331-302-024, 0-331-302-032, 0-331-302-072, 0-331-302-074, 0-331-302-524, Volkswagen 003-911-287



7-814
(241-33106)
12 Volt
Replaces: Bosch 0-331-302-056, 0-331-302-057, 0-331-302-062, 0-331-302-070, 0-331-302-075, 0-331-302-081, 0-331-302-084



7-816
(241-33101)
12 Volt
Replaces: Bosch 0-331-400-008, 0-331-400-068, Thermo King 44-96



7-817
(241-33100)
12 Volt
Replaces: Bosch 0-331-400-001, 0-331-400-003, 0-331-400-006, 0-331-400-007, 0-331-400-009, 0-331-400-011, 0-331-401-006, 0-331-401-008, 0-331-401-009, 0-331-401-010, 0-331-401-015, 0-331-401-016, 0-331-401-027, 0-331-401-039, 0-331-401-508, 0-331-401-509, 0-331-402-508, 0-331-402-077, 0-331-402-509



7-818
(241-33109)
12 Volt
Replaces: Bosch 0-331-401-026, 0-331-401-029, 0-331-401-040, 0-331-402-001, 0-331-402-004, 0-331-402-016, 0-331-402-019, 0-331-402-030, 0-331-402-035, 0-331-402-039, 0-331-402-040, 0-331-402-077, 0-331-402-087, 0-331-402-205, 0-331-402-501, 0-331-402-504, 0-331-402-519, 0-331-402-535, 0-331-402-539, 0-331-402-705, 0-331-402-705, IHC 3078963R1, John Deere AL25268

Overhaul Solenoids



7-819
(241-33114)
12 Volt
Replaces: Bosch 0-331-303-020, 0-331-303-022, 0-331-303-108, 0-331-303-520, Chrysler 5206607, 5213077, 5213386, 5213607, 5226607, 5227607, 5233666, 5234378



7-820
(241-33110)
6 Volt
Replaces: Bosch 0-331-300-001, 0-331-300-030, 0-331-302-004, 0-331-302-008



7-847
(241-33121)
12 Volt
Replaces: Bosch 0-331-302-096, Chrysler 5206626



7-850
(241-33105)
12 Volt
Replaces: Bosch 0-331-302-063, 0-331-302-091, 0-331-302-591



7-851
(241-33107)
12 Volt
Replaces: Bosch 0-331-301-002, 0-331-301-004, 0-331-301-013, 0-331-301-015, 0-331-303-002, 0-331-303-004, 0-331-303-006, 0-331-303-009, 0-331-303-013, 0-331-303-018, 0-331-303-023, 0-331-303-024, 0-331-303-026, 0-331-303-028, 0-331-303-029, 0-331-303-034, 0-331-303-037, 0-331-303-041, 0-331-303-042, 0-331-303-047, 0-331-303-059, 0-331-303-070, 0-331-303-071, 0-331-303-502, Volkswagen 055-911-287, 068-911-287B



7-852
(241-33103)
12 Volt
Replaces: Bosch 0-331-302-030, 0-331-302-055, 0-331-302-067, Volkswagen 069-911-287



7-880
(241-33148)
12 Volt
Replaces: Bosch 0-330-041-001, 0-330-041-004



7-894
(241-33140)
12 Volt
Replaces: Bosch 0-331-400-023, 0-331-401-001, 0-331-401-003, 0-331-401-012, 0-331-401-046, 0-331-401-051, 0-331-401-501, 0-331-401-503, 0-331-401-504, 0-331-402-073, 0-331-402-074

Cross Reference for Bosch . . .



Bosch No.	ACE No.	Bosch No.	ACE No.	Bosch No.	ACE No.	Bosch No.	ACE No.
0-001-211-989	ST-757	0-331-302-091	7-850	0-331-401-504	7-894	1-006-200-050	S-3291
0-001-211-990	ST-757	0-331-302-094	7-804	0-331-401-508	7-817	1-006-200-903	S-3296
0-001-211-998	ST-757	0-331-302-096	7-847	0-331-401-509	7-817	1-006-209-012	4-609
0-004-004-091	84326	0-331-302-101	7-807	0-331-402-001	7-818	1-006-209-014	4-609
0-004-320-067	W-16	0-331-302-524	7-810	0-331-402-002	7-795	1-006-209-017	4-609
0-330-041-001	7-880	0-331-302-591	7-850	0-331-402-003	7-795	1-006-209-029	4-601
0-330-041-004	7-880	0-331-302-601	7-807	0-331-402-004	7-818	1-006-209-030	4-602
0-331-100-016	7-728	0-331-303-002	7-851	0-331-402-007	7-798	1-006-209-031	4-601
0-331-100-021	7-728	0-331-303-003	7-805	0-331-402-010	7-798	1-006-209-032	4-602
0-331-100-025	7-728	0-331-303-004	7-851	0-331-402-013	7-794	1-006-209-034	4-601
0-331-101-005	7-728	0-331-303-005	7-809	0-331-402-015	7-798	1-006-209-039	4-602
0-331-101-008	7-728	0-331-303-006	7-851	0-331-402-016	7-818	1-006-209-040	4-601
0-331-101-009	7-728	0-331-303-007	7-805	0-331-402-019	7-818	1-006-209-047	4-601
0-331-101-011	7-725	0-331-303-008	7-745	0-331-402-030	7-818	1-006-209-049	4-602
0-331-300-001	7-820	0-331-303-009	7-851	0-331-402-035	7-818	1-006-209-052	4-601
0-331-300-009	7-801	0-331-303-010	7-805	0-331-402-039	7-818	1-006-209-053	4-601
0-331-300-030	7-820	0-331-303-013	7-851	0-331-402-040	7-818	1-006-209-055	4-601
0-331-301-002	7-851	0-331-303-015	7-805	0-331-402-073	7-894	1-006-209-056	4-602
0-331-301-004	7-851	0-331-303-016	7-809	0-331-402-074	7-894	1-006-209-058	4-601
0-331-301-010	7-803	0-331-303-018	7-851	0-331-402-077	7-817	1-006-209-061	4-412
0-331-301-011	7-803	0-331-303-020	7-819	0-331-402-087	7-818	1-006-209-066	4-601
0-331-301-013	7-851	0-331-303-022	7-819	0-331-402-205	7-818	1-006-209-071	4-602
0-331-301-015	7-851	0-331-303-023	7-851	0-331-402-501	7-818	1-006-209-080	4-415
0-331-302-001	7-800	0-331-303-024	7-851	0-331-402-502	7-795	1-006-209-081	4-611
0-331-302-002	7-800	0-331-303-026	7-851	0-331-402-504	7-818	1-006-209-101	4-601
0-331-302-003	7-801	0-331-303-028	7-851	0-331-402-507	7-798	1-006-209-102	4-412
0-331-302-004	7-800	0-331-303-029	7-851	0-331-402-508	7-817	1-006-209-104	4-412
0-331-302-005	7-800	0-331-303-030	7-741	0-331-402-509	7-817	1-006-209-105	4-602
0-331-302-008	7-820	0-331-303-031	7-809	0-331-402-513	7-794	1-006-209-108	4-610
0-331-302-010	7-803	0-331-303-033	7-745	0-331-402-519	7-818	1-006-209-110	4-602
0-331-302-011	7-803	0-331-303-034	7-851	0-331-402-535	7-818	1-006-209-117	4-411
0-331-302-013	7-800	0-331-303-037	7-851	0-331-402-539	7-818	1-006-209-119	4-411
0-331-302-015	7-800	0-331-303-041	7-851	0-331-402-555	7-798	1-006-209-125	4-609
0-331-302-017	7-800	0-331-303-042	7-851	0-331-402-705	7-818	1-006-209-127	4-601
0-331-302-021	7-800	0-331-303-047	7-851	0-331-450-001	7-726	1-006-209-135	4-411
0-331-302-024	7-810	0-331-303-048	7-744	0-331-450-002	7-727	1-006-209-139	4-600
0-331-302-026	7-804	0-331-303-053	7-744	0-331-450-004	7-726	1-006-209-140	4-602
0-331-302-027	7-802	0-331-303-059	7-851	0-331-450-005	7-726	1-006-209-161	4-412
0-331-302-028	7-806	0-331-303-061	7-744	0-331-450-006	7-729	1-006-209-250	4-600
0-331-302-029	7-802	0-331-303-070	7-851	1-004-112-508	ST-780	1-006-209-320	4-411
0-331-302-030	7-852	0-331-303-071	7-851	1-004-112-519	ST-755	1-006-209-321	4-411
0-331-302-031	7-806	0-331-303-074	7-745	1-004-112-527	ST-750	1-006-209-322	4-411
0-331-302-031	7-808	0-331-303-100	7-745	1-004-112-537	ST-771	1-006-209-323	4-411
0-331-302-032	7-810	0-331-303-108	7-819	1-004-112-540	ST-783	1-006-209-324	4-411
0-331-302-034	7-806	0-331-303-115	7-744	1-004-112-542	ST-783	1-006-209-325	4-411
0-331-302-036	7-802	0-331-303-502	7-851	1-004-112-543	ST-755	1-006-209-332	4-601
0-331-302-039	7-802	0-331-303-520	7-819	1-004-112-547	ST-771	1-006-209-339	4-412
0-331-302-040	7-808	0-331-400-001	7-817	1-004-112-548	ST-783	1-006-209-403	4-414
0-331-302-042	7-802	0-331-400-003	7-817	1-004-112-554	ST-764	1-006-209-404	4-345
0-331-302-044	7-802	0-331-400-006	7-817	1-004-113-502	ST-753	1-006-209-406	4-839
0-331-302-045	7-802	0-331-400-007	7-817	1-004-113-504	ST-782	1-006-209-410	4-345
0-331-302-046	7-802	0-331-400-008	7-816	1-004-113-513	ST-782	1-006-209-413	4-840
0-331-302-048	7-804	0-331-400-009	7-817	1-004-113-536	ST-786	1-006-209-414	4-345
0-331-302-050	7-748	0-331-400-011	7-817	1-004-320-031	W-11	1-006-209-416	4-345
0-331-302-051	7-808	0-331-400-023	7-894	1-004-320-051	W-16	1-006-209-418	4-856
0-331-302-052	7-806	0-331-400-068	7-816	1-004-320-059	W-11	1-006-209-423	4-604
0-331-302-055	7-852	0-331-401-001	7-894	1-004-320-063	W-13	1-006-209-424	4-346
0-331-302-056	7-814	0-331-401-003	7-894	1-004-320-076	W-20	1-006-209-425	4-612
0-331-302-057	7-808	0-331-401-006	7-817	1-004-320-091	W-11	1-006-209-427	4-345
0-331-302-058	7-749	0-331-401-008	7-817	1-004-320-101	W-137	1-006-209-429	4-344
0-331-302-060	7-742	0-331-401-009	7-817	1-004-320-110	W-155	1-006-209-431	4-400
0-331-302-062	7-808	0-331-401-010	7-817	1-004-320-111	W-154	1-006-209-435	4-840
0-331-302-062	7-814	0-331-401-012	7-894	1-004-320-113	W-159	1-006-209-436	4-857
0-331-302-063	7-850	0-331-401-015	7-817	1-004-320-114	W-160	1-006-209-437	4-605
0-331-302-064	7-802	0-331-401-016	7-817	1-004-320-900	W-26	1-006-209-439	4-415
0-331-302-067	7-852	0-331-401-026	7-818	1-004-320-901	W-14	1-006-209-444	4-611
0-331-302-070	7-814	0-331-401-027	7-817	1-004-320-903	W-28	1-006-209-447	4-345
0-331-302-072	7-810	0-331-401-029	7-818	1-004-320-911	W-137	1-006-209-448	4-728
0-331-302-073	7-808	0-331-401-038	7-795	1-004-320-912	W-161	1-006-209-450	4-607
0-331-302-074	7-810	0-331-401-039	7-817	1-004-652-002	S-2952	1-006-209-451	4-608
0-331-302-075	7-802	0-331-401-040	7-818	1-005-821-300	S-3280	1-006-209-452	4-855
0-331-302-076	7-807	0-331-401-045	7-795	1-005-821-303	S-3281	1-006-209-462	4-345
0-331-302-081	7-814	0-331-401-046	7-894	1-005-821-307	S-3280	1-006-209-463	4-345
0-331-302-082	7-808	0-331-401-051	7-894	1-006-200-005	S-3293	1-006-209-466	4-729
0-331-302-084	7-814	0-331-401-501	7-894	1-006-200-006	S-3294	1-006-209-469	4-854
0-331-302-086	7-804	0-331-401-503	7-894	1-006-200-018	S-3293	1-006-209-470	4-854

Cross Reference for Bosch

Bosch No.	ACE No.	Bosch No.	ACE No.	Bosch No.	ACE No.	Bosch No.	ACE No.
1-006-209-471	4-345	2-004-114-295	ST-902	2-006-209-345	4-666	2-004-320-154	W-13
1-006-209-473	4-854	2-004-114-297	ST-901	2-006-209-346	4-743	9-001-083-327	84304
1-006-209-475	4-681	2-004-125-036	ST-900	2-006-209-366	4-836	9-001-083-433	W-34
1-006-209-477	4-681	2-004-125-076	ST-908	2-006-209-380	4-672	9-001-083-436	4-673
1-006-209-500	4-680	2-004-125-078	ST-903	2-006-209-389	4-836	9-001-083-444	4-613
1-006-209-501	4-679	2-004-125-080	ST-903	2-006-209-401	4-673	9-001-083-447	4-673
1-006-209-502	4-685	2-004-320-006	W-21	2-006-209-405	4-666	9-001-140-317	4-849
1-006-209-503	4-742	2-004-320-026	W-22	2-006-209-406	4-673	9-001-140-322	S-3283
1-006-209-504	4-742	2-004-320-033	W-97	2-006-209-408	4-842	9-001-140-362	S-3290
1-006-209-506	4-742	2-004-320-043	W-15	2-006-209-410	4-842	9-001-337-056	S-3291
1-006-209-509	4-742	2-004-320-058	WX-131	2-006-209-414	4-669	9-001-337-059	S-3290
1-006-209-513	4-742	2-004-320-074	W-31	2-006-209-417	4-843	9-003-336-280	4-848
1-006-209-523	4-847	2-004-320-085	W-33	2-006-209-422	4-673	9-003-336-291	4-847
1-006-209-524	4-848	2-004-320-102	W-35	2-006-209-423	4-842	9-330-081-030	7-795
1-006-209-526	4-742	2-004-320-103	WX-63	2-006-209-425	4-835	9-330-081-046	7-745
1-006-209-527	4-737	2-004-320-104	WX-63	2-006-209-426	4-841		
1-006-209-532	4-825	2-004-320-124	W-23	2-006-209-427	4-929		
1-006-209-536	4-742	2-004-320-172	W-20	2-006-209-431	4-864		
1-006-209-538	4-827	2-004-320-173	W-20	2-006-209-435	4-666		
1-006-209-544	4-823	2-004-320-180	W-20	2-006-209-436	4-673		
1-006-209-546	4-828	2-004-320-217	W-32	2-006-209-438	4-842		
1-006-209-900	4-410	2-004-320-220	W-226	2-006-209-440	4-842		
1-006-209-902	4-609	2-004-320-251	WX-131	2-006-209-444	4-669		
1-007-014-100	W-21	2-004-320-255	WX-131	2-006-209-447	4-843		
1-007-014-101	W-11	2-004-820-101	W-35	2-006-209-449	4-674		
1-007-014-104	W-11	2-006-162-001	4-792	2-006-209-457	4-929		
1-007-014-105	WX-131	2-006-162-005	4-792	2-006-209-459	4-929		
1-007-014-110	W-11	2-006-162-006	4-792	2-006-209-465	4-934		
1-007-014-117	W-13	2-006-162-016	4-792	2-006-209-469	4-674		
1-007-014-121	W-24	2-006-202-000	4-472	2-006-209-470	4-850		
1-007-014-126	W-26	2-006-202-001	4-488	2-006-209-471	4-684		
1-007-014-127	W-14	2-006-202-003	4-488	2-006-209-473	4-860		
1-007-014-129	W-28	2-006-209-004	4-606	2-006-209-474	4-839		
1-007-014-137	W-137	2-006-209-034	4-613	2-006-209-475	4-844		
1-007-014-138	W-198	2-006-209-048	4-606	2-006-209-476	4-674		
1-007-014-143	W-161	2-006-209-071	4-836	2-006-209-478	4-674		
1-007-014-145	W-137	2-006-209-107	4-673	2-006-209-479	4-845		
1-107-014-126	W-16	2-006-209-109	4-665	2-006-209-481	4-860		
2-003-162-001	4-792	2-006-209-111	4-666	2-006-209-483	4-850		
2-003-162-005	4-792	2-006-209-118	4-843	2-006-209-485	4-674		
2-003-162-006	4-792	2-006-209-119	4-673	2-006-209-492	4-675		
2-003-162-007	4-792	2-006-209-120	4-665	2-006-209-494	4-835		
2-003-162-016	4-792	2-006-209-122	4-843	2-006-209-495	4-837		
2-004-004-003	84306	2-006-209-162	4-400	2-006-209-499	4-838		
2-004-004-033	84327	2-006-209-163	4-414	2-006-209-530	4-675		
2-004-004-036	84327	2-006-209-164	4-840	2-006-209-900	4-613		
2-004-004-062	84320	2-006-209-165	4-601	2-006-209-904	4-613		
2-004-004-071	84322	2-006-209-166	4-601	2-006-209-916	4-836		
2-004-004-072	84323	2-006-209-183	4-613	2-006-209-931	4-929		
2-004-004-074	84302	2-006-209-184	4-613	2-006-382-150	4-795		
2-004-004-075	84325	2-006-209-189	4-613	2-006-382-152	4-796		
2-004-004-092	84302	2-006-209-200	4-743	2-006-382-154	4-794		
2-004-004-111	84320	2-006-209-201	4-743	2-006-382-156	4-796		
2-004-004-112	84308	2-006-209-220	4-672	2-006-382-172	4-797		
2-004-005-022	84328	2-006-209-241	4-614	2-006-382-176	4-795		
2-004-005-025	84310	2-006-209-243	4-862	2-006-383-150	4-793		
2-004-005-026	84329	2-006-209-246	4-862	2-006-383-152	4-796		
2-004-005-155	84329	2-006-209-250	4-600	2-006-401-527	4-792		
2-004-014-067	W-37	2-006-209-272	4-840	2-007-010-039	ST-785		
2-004-112-002	ST-776	2-006-209-280	4-607	2-007-010-041	ST-781		
2-004-112-003	ST-757	2-006-209-301	4-673	2-007-010-059	ST-785		
2-004-112-004	ST-771	2-006-209-302	4-665	2-007-014-000	W-15		
2-004-114-060	ST-901	2-006-209-303	4-843	2-007-014-006	W-31		
2-004-114-061	ST-901	2-006-209-305	4-412	2-007-014-008	WX-131		
2-004-114-065	ST-902	2-006-209-305	4-666	2-007-014-018	W-22		
2-004-114-104	ST-709	2-006-209-306	4-743	2-007-014-026	W-20		
2-004-114-105	ST-709	2-006-209-321	4-605	2-007-014-038	W-27		
2-004-114-116	ST-709	2-006-209-322	4-610	2-007-014-048	WX-131		
2-004-114-117	ST-709	2-006-209-324	4-610	2-007-014-049	W-32		
2-004-114-137	ST-901	2-006-209-331	4-614	2-007-014-052	W-226		
2-004-114-167	ST-781	2-006-209-332	4-610	2-007-014-053	W-23		
2-004-114-168	ST-905	2-006-209-333	4-862	2-007-014-057	W-97		
2-004-114-169	ST-909	2-006-209-336	4-862	2-007-014-061	WX-131		
2-004-114-179	ST-785	2-006-209-341	4-673	2-007-014-062	W-35		
2-004-114-258	ST-907	2-006-209-342	4-665	2-007-014-063	WX-63		
2-004-114-291	ST-901	2-006-209-343	4-843	2-007-014-070	W-33		

Bushing Chart

ID		OD		Length		Material	ACE No.
mm	inches	mm	inches	mm	inches		
8.0	.315	11.1	.437	7.8	.307	90/10	4475
8.0	.317	11.1	.438	10.0	.393	90/10	4476
10.0	.395	14.0	.554	12.8	.504	90/10	4660
10.0	.395	14.0	.553	9.6	.381	90/10	4684
10.0	.395	16.5	.650	11.3	.445	60/40	4820
10.0	.395	16.5	.650	10.4	.411	60/40	4821
11.0	.435	13.5	.534	13.9	.550	90/10	4366
11.0	.436	12.6	.496	11.0	.440	60/40	4685
11.9	.472	16.0	.633	13.7	.540	60/40	4370
12.0	.473	16.0	.633	15.8	.625	90/10	4362
12.0	.474	15.0	.593	11.8	.465	90/10	4673
12.0	.475	14.0	.553	13.8	.545	90/10	4670
12.0	.475	14.0	.555	11.8	.465	90/10	4686
12.4	.491	16.5	.651	11.4	.452	60/40	4443-X
12.5	.492	16.4	.649	11.4	.450	60/40	4442
12.5	.492	16.5	.652	15.7	.620	90/10	4644
12.5	.494	16.5	.651	11.4	.452	60/40	4443
12.5	.494	16.5	.651	17.7	.700	90/10	4640
13.2	.520	19.0	.752	12.0	.473	90/10	4252
13.9	.550	20.0	.788	9.9	.390	90/10	4643
14.0	.552	17.5	.691	14.6	.578	90/10	4642
14.0	.552	18.0	.711	13.9	.550	60/40	4677
15.7	.619	19.5	.768	9.9	.392	90/10	4646
16.2	.638	21.3	.840	9.2	.365	Nylon	4672
17.6	.696	21.6	.851	9.3	.369	60/40	4671
19.0	.750	23.0	.907	9.7	.383	90/10	4645
19.0	.750	23.0	.908	12.9	.510	60/40	4676
19.0	.751	25.0	.987	9.9	.390	90/10	4641
22.0	.870	28.0	1.105	11.0	.444	90/10	4647
26.0	1.027	32.0	1.264	11.3	.445	90/10	5214
26.0	1.028	30.0	1.185	8.7	.345	90/10	4664

ID		OD		Length		Material	ACE No.
mm	inches	mm	inches	mm	inches		
11.1	.437	8.0	.315	7.8	.307	90/10	4475
11.1	.438	8.0	.317	10.0	.393	90/10	4476
12.6	.496	11.0	.436	11.0	.440	60/40	4685
13.5	.534	11.0	.435	13.9	.550	90/10	4366
14.0	.554	10.0	.395	12.8	.504	90/10	4660
14.0	.553	10.0	.395	9.6	.381	90/10	4684
14.0	.553	12.0	.475	13.8	.545	90/10	4670
14.0	.555	12.0	.475	11.8	.465	90/10	4686
15.0	.593	12.0	.474	11.8	.465	90/10	4673
16.0	.633	11.9	.472	13.7	.540	60/40	4370
16.0	.633	12.0	.473	15.8	.625	90/10	4362
16.4	.649	12.5	.492	11.4	.450	60/40	4442
16.5	.650	10.0	.395	11.3	.445	60/40	4820
16.5	.650	10.0	.395	10.4	.411	60/40	4821
16.5	.651	12.4	.491	11.4	.452	60/40	4443-X
16.5	.652	12.5	.492	15.7	.620	90/10	4644
16.5	.651	12.5	.494	11.4	.452	60/40	4443
16.5	.651	12.5	.494	17.7	.700	90/10	4640
17.5	.691	14.0	.552	14.6	.578	90/10	4642
18.0	.711	14.0	.552	13.9	.550	60/40	4677
19.0	.752	13.2	.520	12.0	.473	90/10	4252
19.5	.768	15.7	.619	9.9	.392	90/10	4646
20.0	.788	13.9	.550	9.9	.390	90/10	4643
21.3	.840	16.2	.638	9.2	.365	Nylon	4672
21.6	.851	17.6	.696	9.3	.369	60/40	4671
23.0	.907	19.0	.750	9.7	.383	90/10	4645
23.0	.908	19.0	.750	12.9	.510	60/40	4676
25.0	.987	19.0	.751	9.9	.390	90/10	4641
28.0	1.105	22.0	.870	11.0	.444	90/10	4647
30.0	1.185	26.0	1.028	8.7	.345	90/10	4664
32.0	1.264	26.0	1.027	11.3	.445	90/10	5214

ACE PART No.	PAGE	ACE PART No.	PAGE	ACE PART No.	PAGE	ACE PART No.	PAGE
4-344	39	4-843	46	84322	34	W-11	35
4-345	39	4-844	46	84323	34	W-13	35
4-346	39	4-845	46	84325	35	W-14	35
4-400	39	4-847	46	84326	35	W-15	35
4-411	39	4-848	46	84327	35	W-16	35
4-412	39	4-849	46	84328	35	W-20	36
4-414	39	4-850	46	84329	35	W-21	36
4-415	40	4-854	46	RK-3601	34	W-22	36
4-472	40	4-855	46	RK-4101	34	W-23	36
4-488	40	4-856	47	S-2952	39	W-24	36
4-600	40	4-857	47	S-3280	51	W-26	36
4-601	40	4-860	47	S-3281	51	W-27	36
4-602	40	4-862	47	S-3282	53	W-28	36
4-604	40	4-864	47	S-3283	51	W-97	37
4-605	40	4-929	47	S-3285	51	W-137	38
4-606	41	4-934	47	S-3290	50	W-154	38
4-607	41	7-725	53	S-3291	50	W-155	38
4-608	41	7-726	53	S-3293	50	W-159	38
4-609	41	7-727	53	S-3294	50	W-160	38
4-610	41	7-728	53	S-3296	51	W-161	38
4-611	41	7-729	53	S-3326	51	W-198	38
4-612	41	7-741	53	S-3327	51	W-226	38
4-613	41	7-742	54	S-3328	51	W-2952	38
4-614	41	7-744	54	S-3333	51	W-2953	38
4-665	42	7-745	54	S-3335	52	WX-31	37
4-666	42	7-748	54	S-3336	52	WX-32	37
4-669	42	7-749	54	S-3337	52	WX-33	37
4-672	42	7-794	54	S-3338	52	WX-34	37
4-673	42	7-795	54	S-3340	52	WX-35	37
4-674	42	7-798	54	S-3343	52	WX-36	37
4-675	42	7-800	55	S-3344	52	WX-37	37
4-679	42	7-801	55	S-3345	52	WX-63	37
4-680	42	7-802	55	S-3346	52	WX-131	37
4-681	43	7-803	55	S-3347	52	Z-2	38
4-684	43	7-804	55	S-3348	52		
4-685	43	7-805	55	S-3349	52		
4-728	43	7-806	55	S-3350	53		
4-729	43	7-807	55	ST-709	47		
4-737	43	7-808	56	ST-750	48		
4-742	43	7-809	56	ST-753	48		
4-743	43	7-810	56	ST-755	48		
4-792	43	7-814	56	ST-757	48		
4-793	44	7-816	56	ST-764	48		
4-794	44	7-817	56	ST-771	48		
4-795	44	7-818	56	ST-776	48		
4-796	44	7-819	57	ST-780	48		
4-797	44	7-820	57	ST-781	49		
4-823	44	7-847	57	ST-782	49		
4-825	44	7-850	57	ST-783	49		
4-827	44	7-851	57	ST-785	49		
4-828	44	7-852	57	ST-786	49		
4-835	45	7-880	57	ST-900	49		
4-836	45	7-894	57	ST-901	49		
4-837	45	84302	34	ST-902	49		
4-838	45	84304	34	ST-903	50		
4-839	45	84306	34	ST-905	50		
4-840	45	84308	34	ST-907	50		
4-841	45	84310	34	ST-908	50		
4-842	45	84320	34	ST-909	50		

