2003/2004

SOLENÓIDES PARA MOTORES DE PARTIDA



SOLENOIDS FOR STARTER MOTORS

EXCELÊNCIA NA FABRICAÇÃO DE AUTOPEÇAS, VISANDO O DESENVOLVIMENTO SOCIAL
EXCELLENCE IN THE MANUFACTURE OF AUTO PARTS, STRIVING FOR THE SOCIAL DEVELOPMENT

ZM S.A.



ZM S.A.

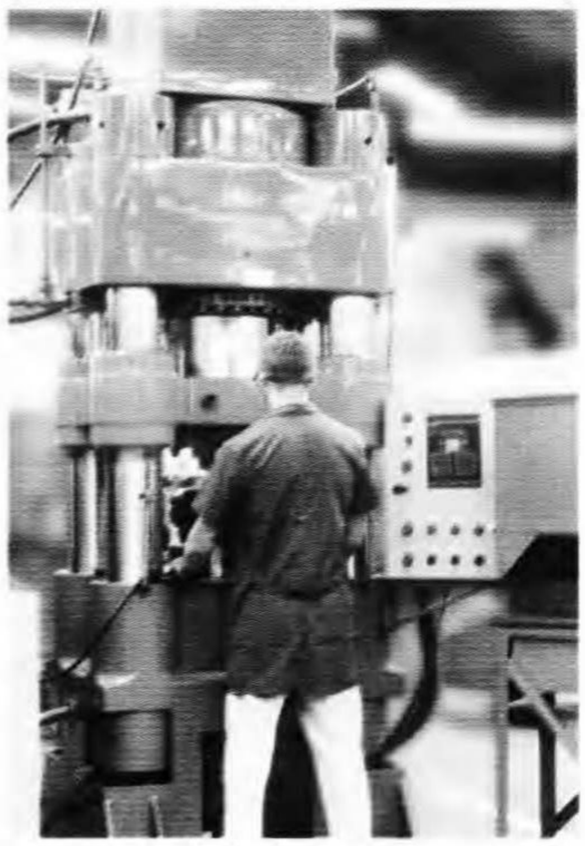
A história da ZM iniciou em 25 de abril de 1983, tendo como objetivo a fabricação de solenóides para motores de partida. Operando, a princípio, em um pequeno galpão alugado de 170m², a Empresa percebeu que a falta de espaço e a instalação inadequada tornaram-se incompatíveis ao seu desenvolvimento. Portanto transferiu-se, em 1984, para instalações próprias, maiores e mais modernas. Atualmente nossa Empresa conta com uma área fabril de 12.000m², abrigando mais de 500 funcionários.



On April 25, 1983, ZM begins to manufacture solenoids for starter motors in a 1,800 sq. ft. rented warehouse. In the following year ZM realizes that it needs more space and transfers its operation to a larger facility for pending growth. Today the company has a manufacturing area of 129.100 sq. feet with 500 employees.

FORJAMENTO A FRIO
COLD FORGING

O mais novo setor da Empresa é o de forjamento rápido a frio, composto por máquinas de última geração de 2, 3, 4 e 5 estágios com capacidade de corte de até Ø31mm e laminadoras de rosca com capacidade de até Ø26mm. Somente este setor tem capacidade de produzir 1600 toneladas/mês. Utilizando-se dos mais variados processos, a ZM detém todo o processo de logística de manuseio e transformação da matéria-prima, desde a trefilação, recozimento, até a fosfatização das bobinas de aço.



The newest company sector is progressive cold heading, consisting of the use of machinery of the latest technologies of 2, 3, 4, 5 stages with cut-off diametric capacity up to 1.1/4 inches and screw laminators with a diametric capacity of up to 1 inch. This sector has the capacity to produce 1,600 tons/month. By using the most varied processes, ZM retains the logistic methods of handling the transformation of raw materials from the drawing operation, to heat treating, and to the phosphorous coating of the steel bobbins.

PRODUTOS
PRODUCTS

A ZM projeta e desenvolve produtos destinados ao mercado automobilístico. Entre os principais, destaca-se o solenóide, com uma produção anual superior a 2,4 milhões de unidades, exportadas para mais de 35 países em todo o mundo.
Em 1999, iniciou a produção de peças especiais conformadas a frio, que atualmente são fornecidas a empresas que atendem a montadoras nacionais e o mercado de reposição.
Devido a necessidade do mercado, no ano de 2000, a ZM lançou a nova linha de produtos, os parafusos de roda, para aplicações em automóveis e caminhões. Visa assim satisfazer plenamente as necessidades e expectativas do cliente, com um custo atrativo e excelente performance.



ZM projects and develops products destined to the automobile industry. The principal electrical part is the starter solenoid with an annual production of more than 2.4 million units. ZM exports a good part to more than 35 countries worldwide. In 1999 it begins to produce special cold-formed components which are supplied to the companies that sell to the Brazilian OEMs and the replacement market. Due to market demand, in the year 2000 ZM launches a new line of product, the wheel bolt for automobile and truck applications. In this way it meets the specific demands of clients at an attractive price and excellent quality.

CRESCIMENTO PESSOAL
PERSONNEL GROWTH

A partir do estabelecimento de uma política de crescimento pessoal e profissional dos recursos humanos, a ZM busca proporcionar condições para o desenvolvimento dos que nela trabalham, na certeza de que os colaboradores são sua principal fonte de sucesso.
A Empresa mantém programas de capacitação profissional, além de investir no projeto de "Educação Continuada", no sentido de promover a melhoria do nível de escolaridade dos funcionários, oportunizando a todos, o término dos estudos.
A qualidade de vida está focada em medidas de prevenção, para garantir melhores condições de saúde e segurança no trabalho.
Outros benefícios disponibilizados são: assistência médica, convênios com farmácias e óticas, refeitório, transporte, bolsa de estudos e o Programa de Participação de Resultados.
Através da Associação Atlética ZM, promovem-se programas e eventos destinados a estimular uma maior integração social dos funcionários e seus familiares.



At ZM there exists a policy which promotes personnel growth and professionalism of human resources. The company attempts to proportion conditions for the development of its workforce. ZM maintains a program of professional leadership. The main source of the company's success is the dependability and collaboration of its employees. The company also invests in the project of "Continued Education" in order to promote the scholastic level of its employees giving them the opportunity to finish their studies. Quality of life is focused on measures of prevention to guarantee better conditions of health and security at the workstations. Other available benefits are: medical assistance, covenant with pharmacies and opticians, restaurant, transportation, study grants, and participation in profits. By means of the ZM Athletic Association Programs, events are promoted to stimulate greater social integration of the employees and their family members.



DO BRASIL PARA O MUNDO
FROM BRAZIL TO THE WORLD

A ZM fornece para todo o mercado nacional, e através da certificação QS 9000/ ISO 9002, avança conquistando mercados internacionais. Atualmente comercializa seus produtos em mais de 35 países nos cinco continentes.

ZM supplies the whole Brazilian market. QS 9000/ ISO 9002 certification facilitates sales in international markets. It sells to more than 35 countries on five continents.



QUALIDADE
QUALITY

Na corrida pela qualidade, a ZM certificou-se no sistema QS 9000 em dezembro de 2001 e desde então vem aprimorando e inovando diariamente métodos de trabalho e controle, conforme as tendências mundiais de gestão da qualidade do ramo automobilístico.
Auditorias contínuas de nossas equipes internas, dos órgãos certificadores e de nossos clientes, entre eles montadoras nacionais e internacionais, garantem uma atualização constante das normas utilizadas.
O objetivo da qualidade para a Empresa é atender os requisitos do cliente, desde o projeto, escolha e testes das matérias-primas, fabricação, revisão final dos produtos e serviços de pós-venda.

ZM is QS 9000 certified as of december 2001 and since then the company consistently upgrades and renews daily its work and controlling methods according to quality demands worldwide within the automobile industry.
There are continuous audits of its workforce by certifying organizations and that of its clients, among which are national and international OEMs. They help to guarantee a constant utilization of current norms. The objective of quality for ZM is to satisfy the clients requirements from the project to the selection and testing of raw material, manufacturing, final revision of products and services of post-sales.

INDEX

TABLE OF CONTENTS

Brand New Solenoids

Solenoids Buyer's Guide

BOSCH..... A
DELCO..... B
FORD..... C
HITACHI..... D
LUCAS..... E
MARELLI..... F
MITSUBA..... G
MITSUBISHI..... H
NIPPONDENSO..... I
VALEO..... J
WAPSA..... K
SPECIAL SOLENOIDS..... L

Cross Reference

OEM SOLENOID TO ZM SOLENOID..... M
STARTER TO ZM SOLENOID..... N
AFTERMARKET..... O

Care is taken to the accuracy of descriptions of each item, but ZM assumes no responsability for possible errors.
Permission to reproduce any portion is denied.
All manufacturer's names and part numbers used for reference purposes only.
COPYRIGHT © 2003 ZM S.A.

5th Edition

INDEX

ZM Nr.	Pag.
ZM 1-395	F-008
ZM 1-405	L-002
ZM 1-406	L-002
ZM 1-421	I-006
ZM 1-477	A-003
ZM 1-492	J-002
ZM 1-496	J-003
ZM 1-497	J-003
ZM 1-514	K-005
ZM 1-545	A-010
ZM 1-557	B-010
ZM 1-561	J-004
ZM 1-592	J-005
ZM 1-594	J-006
ZM 1-595	F-001
ZM 1-596	J-007
ZM 1-597	J-008
ZM 1-613	E-003
ZM 1-615	E-004
ZM 1-640	A-020
ZM 1-650	F-004
ZM 1-689	D-006
ZM 1-691	H-001
ZM 1-695	H-003
ZM 1-698	H-004
ZM 1-699	H-005
ZM 1-713	D-008
ZM 1-717	D-008
ZM 1-719	D-009
ZM 1-731	A-029
ZM 1-760	C-001
ZM 1-761	C-002
ZM 1-762	C-003
ZM 1-782	D-011
ZM 1-797	H-010
ZM 1-801	E-006
ZM 1-860	B-015
ZM 1-862	B-015
ZM 1-975	A-041
ZM 1-981	D-013
ZM 2-395	F-008
ZM 2-452	B-002
ZM 2-456	B-003
ZM 2-460	B-005
ZM 2-461	B-006
ZM 2-595	F-001
ZM 2-640	A-021
ZM 2-699	H-006
ZM 2-716	E-005
ZM 2-719	D-010
ZM 2-762	C-004
ZM 3-395	F-008
ZM 3-595	F-002
ZM 3-640	A-021
ZM 3-651	F-004

ZM Nr.	Pag.
ZM 3-698	B-010
ZM 371	A-042
ZM 3-722	A-026
ZM 3-805	B-011
ZM 395	F-001
ZM 401	C-001
ZM 403	L-001
ZM 404	L-001
ZM 405	L-001
ZM 406	L-002
ZM 410	D-001
ZM 419.93	I-005
ZM 420.93	I-005
ZM 421	I-006
ZM 450	B-001
ZM 451	B-001
ZM 452	B-001
ZM 453	B-002
ZM 454	B-002
ZM 455	B-003
ZM 456	B-003
ZM 457	B-004
ZM 458	B-004
ZM 459	B-004
ZM 4-595	F-002
ZM 460	B-005
ZM 461	B-005
ZM 462	B-006
ZM 463	B-006
ZM 464	B-007
ZM 465	B-007
ZM 4-651	F-005
ZM 466	B-007
ZM 467	B-008
ZM 468	B-008
ZM 4-698	H-005
ZM 4-699	H-006
ZM 471	E-001
ZM 472	A-001
ZM 473	A-001
ZM 474	A-001
ZM 475	A-002
ZM 476	A-002
ZM 4-760	C-002
ZM 477	A-002
ZM 4-792	H-007
ZM 4-793	H-008
ZM 480	E-001
ZM 481	E-001
ZM 490	J-001
ZM 491	J-001
ZM 492	J-001
ZM 493	J-002
ZM 495	J-002
ZM 496	J-003

ZM Nr.	Pag.
ZM 497	J-003
ZM 4-991	H-013
ZM 4-992	H-013
ZM 501	K-001
ZM 502	K-001
ZM 503	K-001
ZM 504	K-002
ZM 505	K-002
ZM 506	K-002
ZM 507	K-003
ZM 508	K-003
ZM 509	K-003
ZM 510	K-004
ZM 511	K-004
ZM 512	K-004
ZM 513	K-005
ZM 514	K-005
ZM 515	K-006
ZM 516	K-006
ZM 517	K-006
ZM 518	K-007
ZM 519	K-007
ZM 521	A-003
ZM 522	A-003
ZM 523	A-004
ZM 524	A-004
ZM 525	A-004
ZM 526	A-005
ZM 527	A-005
ZM 528	A-005
ZM 531	A-006
ZM 533	A-006
ZM 534	A-006
ZM 536	A-007
ZM 537	A-007
ZM 538	A-007
ZM 539	A-008
ZM 541	A-008
ZM 542	A-008
ZM 543	A-009
ZM 544	A-009
ZM 545	A-009
ZM 546	A-010
ZM 547	A-010
ZM 548	A-011
ZM 549	A-011
ZM 550	A-011
ZM 5-501	L-003
ZM 551	B-008
ZM 555	B-009
ZM 556	B-009
ZM 557	B-009
ZM 560	J-003
ZM 561	J-004
ZM 5-651	F-005

INDEX

ZM Nr.	Pag.
ZM 567	A-012
ZM 571	A-012
ZM 572	A-012
ZM 573	A-013
ZM 574	A-013
ZM 575	A-013
ZM 576	A-014
ZM 577	A-014
ZM 578	A-014
ZM 579	L-003
ZM 580	A-015
ZM 581	D-001
ZM 582	D-001
ZM 583	D-002
ZM 584	D-002
ZM 585	D-002
ZM 590	J-004
ZM 591	J-005
ZM 592	J-005
ZM 593	J-006
ZM 594	J-006
ZM 595	J-007
ZM 596	J-007
ZM 597	J-008
ZM 598	J-008
ZM 599	J-009
ZM 602	G-001
ZM 603	G-001
ZM 604	G-001
ZM 605	G-002
ZM 606	G-002
ZM 607	G-002
ZM 608	G-003
ZM 609	G-003
ZM 610	E-002
ZM 611	E-002
ZM 612	E-002
ZM 613	E-003
ZM 614	E-003
ZM 615	E-004
ZM 616	E-004
ZM 621	A-015
ZM 622	A-015
ZM 623	A-016
ZM 624	A-016
ZM 625	A-016
ZM 626	A-017
ZM 627	A-017
ZM 628	A-017
ZM 629	A-018
ZM 631	A-018
ZM 632	A-018
ZM 633	A-019
ZM 634	L-003
ZM 635	L-004

ZM Nr.	Pag.
ZM 636	A-019
ZM 637	A-019
ZM 638	A-020
ZM 640	A-020
ZM 641	A-021
ZM 642	A-022
ZM 643	A-022
ZM 644	A-022
ZM 645	A-023
ZM 647	A-023
ZM 648	A-023
ZM 650	F-003
ZM 651	F-004
ZM 652	F-006
ZM 653	A-024
ZM 654	F-006
ZM 655	F-007
ZM 656	F-007
ZM 657	F-007
ZM 6-595	F-002
ZM 660	I-001
ZM 661	I-001
ZM 662	I-002
ZM 664	I-002
ZM 6-651	F-005
ZM 671	A-024
ZM 672	A-024
ZM 674	A-025
ZM 675	A-025
ZM 676	A-025
ZM 677	A-026
ZM 680	D-003
ZM 681	D-003
ZM 682	D-003
ZM 683	D-004
ZM 684	D-004
ZM 685	D-004
ZM 686	D-005
ZM 687	D-005
ZM 688	D-005
ZM 689	D-006
ZM 690	H-001
ZM 691	H-001
ZM 692	H-002
ZM 693	H-002
ZM 694	H-002
ZM 695	H-003
ZM 696	H-003
ZM 697	H-004
ZM 698	H-004
ZM 699	H-005
ZM 701	I-002
ZM 702	I-003
ZM 703	I-003
ZM 704	I-003

ZM Nr.	Pag.
ZM 705	I-004
ZM 706	I-004
ZM 707	I-004
ZM 708	I-005
ZM 710	D-006
ZM 711	D-007
ZM 712	D-007
ZM 713	D-007
ZM 716	E-005
ZM 717	D-008
ZM 718	D-009
ZM 719	D-009
ZM 720	L-004
ZM 722	A-026
ZM 724	A-027
ZM 726	A-027
ZM 727	A-027
ZM 728	A-028
ZM 729	A-028
ZM 731	A-028
ZM 732	A-029
ZM 733	A-029
ZM 734	A-030
ZM 736	A-030
ZM 740	A-030
ZM 741	A-031
ZM 742	A-031
ZM 743	A-031
ZM 744	A-032
ZM 7-595	F-003
ZM 760	C-001
ZM 761	C-002
ZM 762	C-003
ZM 7-651	F-006
ZM 771	A-032
ZM 772	A-032
ZM 773	A-033
ZM 775	A-033
ZM 777	A-033
ZM 778	A-034
ZM 779	A-034
ZM 780	D-010
ZM 781	D-010
ZM 782	D-011
ZM 783	D-011
ZM 784	D-012
ZM 785	D-012
ZM 787	D-012
ZM 790	H-006
ZM 791	H-007
ZM 792	H-007
ZM 793	H-008
ZM 794	H-008
ZM 795	H-009
ZM 796	H-009

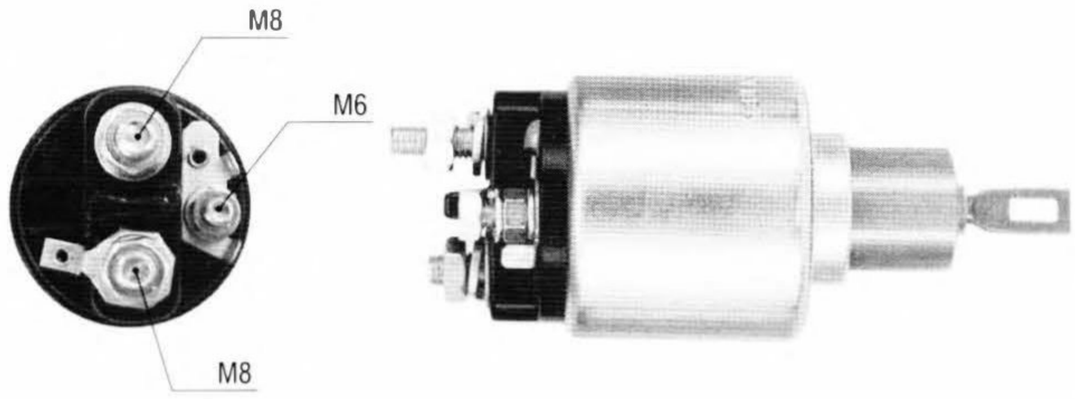
INDEX

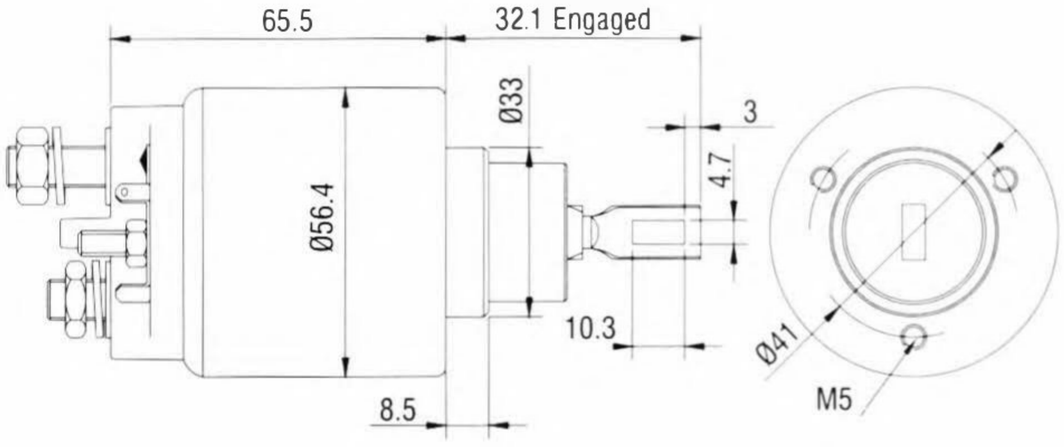
ZM Nr.	Pag.
ZM 797	H-009
ZM 798	H-010
ZM 799	H-010
ZM 801	E-005
ZM 802	E-006
ZM 803	E-006
ZM 805	B-010
ZM 806	B-011
ZM 807	B-011
ZM 808	B-012
ZM 809	B-012
ZM 810	B-012
ZM 811	B-013
ZM 812	B-013
ZM 813	B-013
ZM 815	B-014
ZM 816	L-004
ZM 817	B-014
ZM 821	E-007
ZM 822	E-007
ZM 831	A-034
ZM 832	A-035
ZM 833	A-042
ZM 834	A-043
ZM 835	A-043
ZM 860	B-014
ZM 861	B-015
ZM 864	B-016
ZM 871	A-035
ZM 872	A-035
ZM 873	A-036
ZM 874	A-036
ZM 875	A-036
ZM 876	A-037
ZM 8-761	C-003
ZM 8-762	C-004
ZM 877	A-037
ZM 878	A-037
ZM 879	A-038
ZM 890	H-011
ZM 891	H-011
ZM 892	H-011
ZM 893	H-012
ZM 894	H-012
ZM 895	H-012
ZM 896	H-013
ZM 901	A-038
ZM 902	A-038
ZM 903	A-039
ZM 904	A-039
ZM 950	B-016
ZM 951	B-017
ZM 9-595	F-003
ZM 971	A-039
ZM 972	A-040
ZM 973	A-040
ZM 974	A-040
ZM 975	A-041
ZM 976	A-041
ZM 977	A-042
ZM 980	D-013
ZM 981	D-013
ZM 991	H-013
ZM 992	H-013
ZM 993	H-014
ZM 994	H-014

BOSCH

ZM 472 12V

CAP ZM 775.91





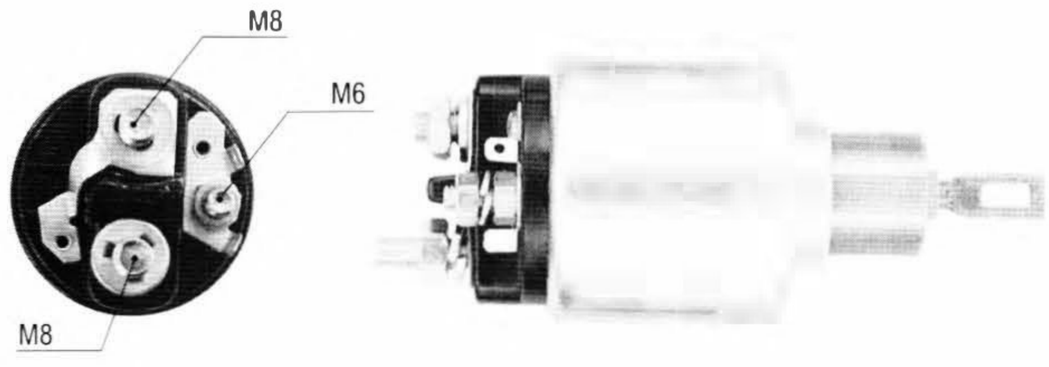
USED ON:
Mercedes 320, Porsche 994 and 968.

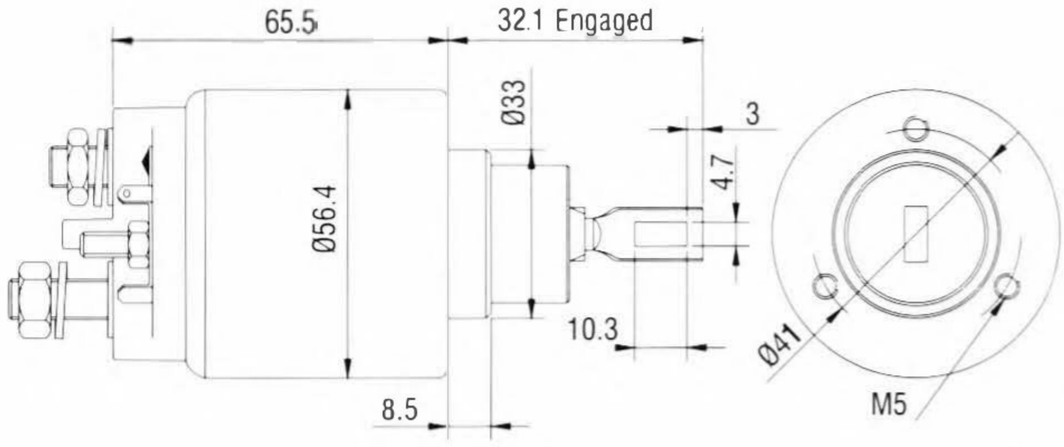
STARTERS:
Bosch: 0-001-110-060, 0-001-110-073.

OEM SOLENOID:
Bosch:
0-331-303-134
2-339-303-273

ZM 473 12V

CAP ZM 473.91





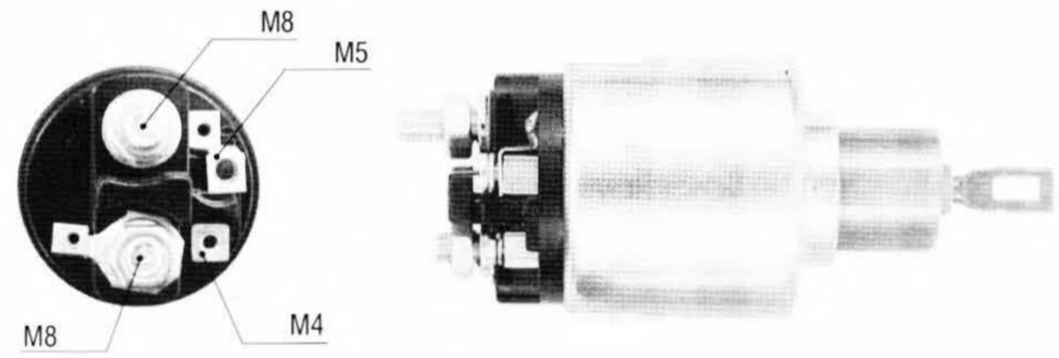
USED ON:
Porsche 911 3.6 (08.89→), 911 3.8 (09.94→).

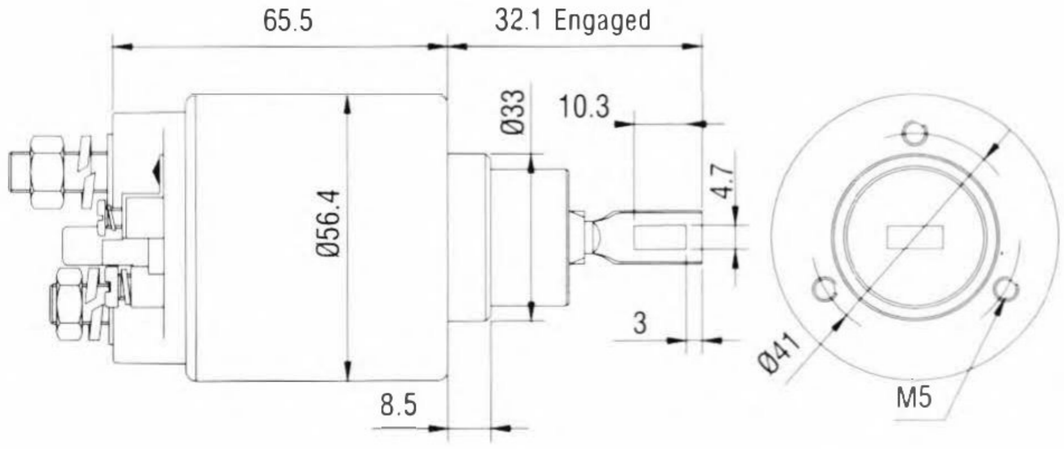
STARTERS:
Bosch: 0-001-110-059.

OEM SOLENOID:
Bosch:
0-331-303-113 2-339-303-272
0-331-303-118
0-331-303-133

ZM 474 12V

CAP ZM 474.91





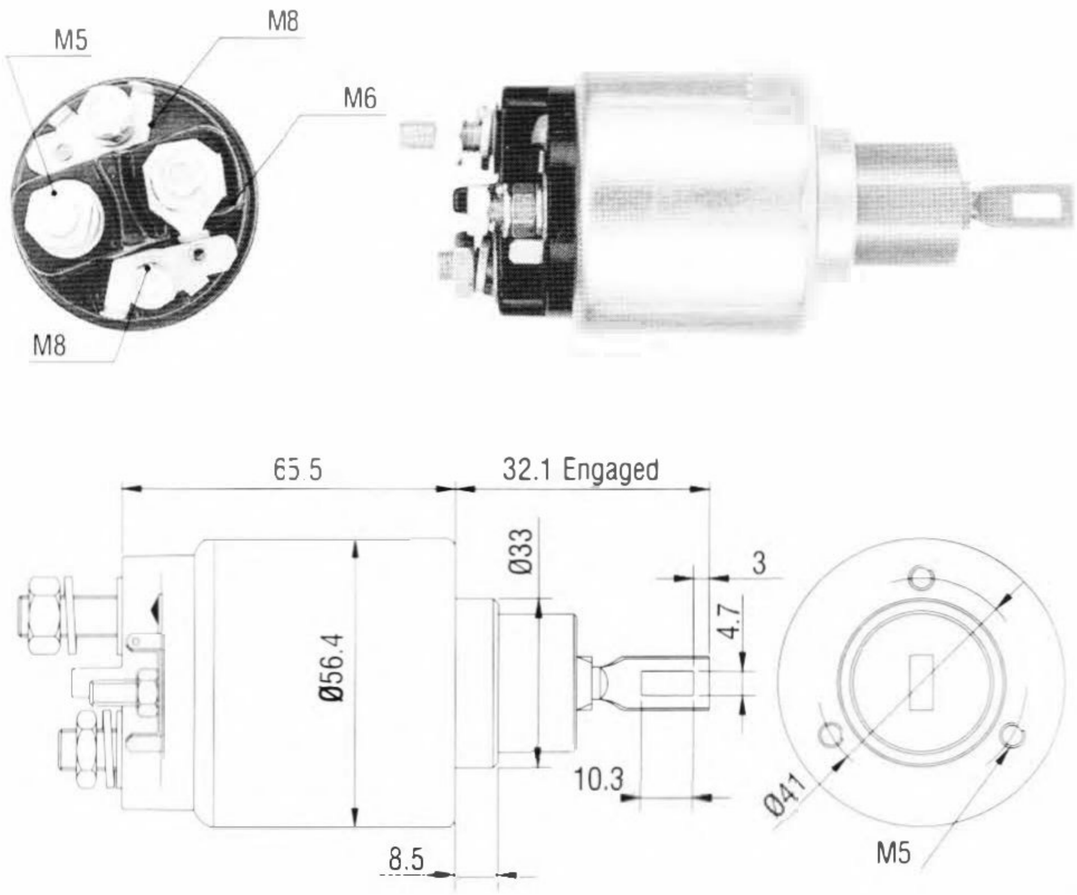
USED ON:
Jaguar: Sovereing 2.9, 3.6 (10.86→08.90), XJS 3.6 (10.86→12.88), XJSC 3.6 (85→86), XJ6 2.9, 3.6 (10.86→08.90), XJ6 4.0 (09.90→08.94).

STARTERS:
Bosch: 0-001-110-011, 0-001-110-111.

OEM SOLENOID:
Bosch:
0-331-303-098
2-339-303-281

ZM 475

CAP ZM 475.91



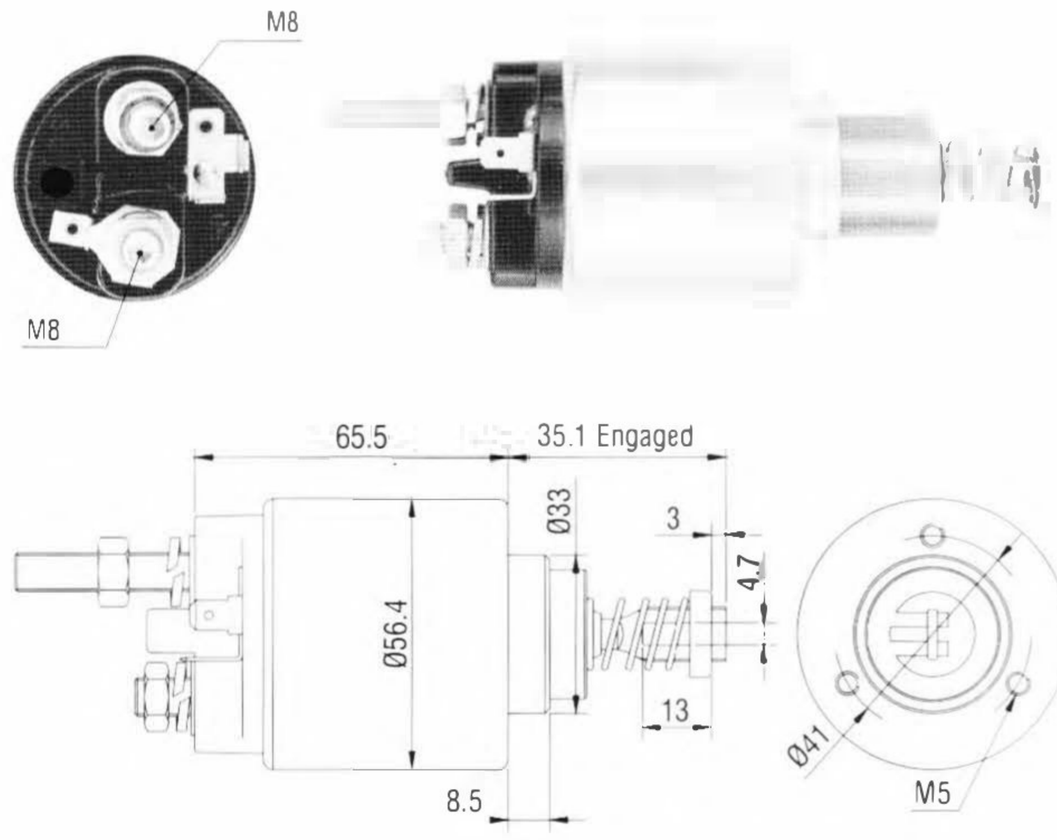
USED ON:
Mercedes 450 SE, SEL, SL, 240D, 300D, CD, SD, Volvo 240, Audi 5000 (Diesel), BMW 528 I, 320 I, 633CSI, 733 I, 528E.

STARTERS:
Bosch: 0-001-108-042 / 054 / 064 / 065 / 115, 0-001-110-041, 0-001-218-027 / 028 / 134 / 135 / 136 , 0-001-311-150 / 151, 0-001-314-043 / 045.

OEM SOLENOID:
Bosch:
0-331-303-102
0-331-303-116
0-331-303-117

ZM 476

CAP ZM 876.91



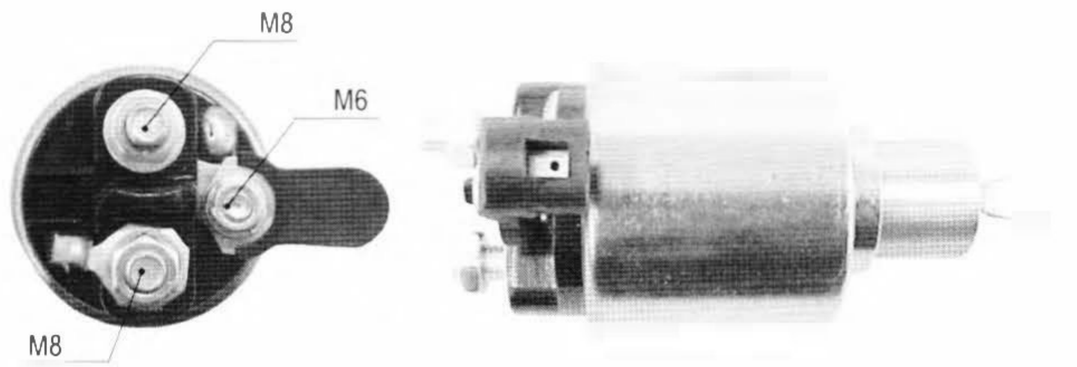
USED ON:
Volkswagen Vanagon 1.9 and 2.1.

STARTERS:
Bosch: 0-001-212-213 / 214 / 402 / 403.

OEM SOLENOID:
Bosch:
0-331-303-057
0-331-303-104

ZM 477 12V

CAP ZM 477.96



USED ON:
Bosch 107 Series PMGR Starters.
Chrysler, Dodge, Eagle, Mitsubishi, Plymouth.

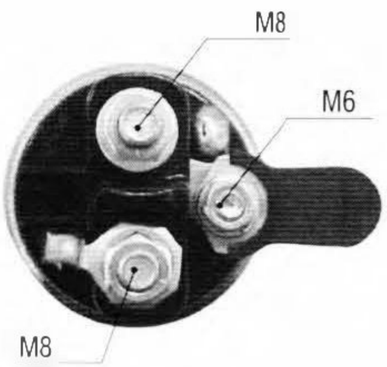
STARTERS:
Bosch: 0-001-107-031, 0-001-107-032.

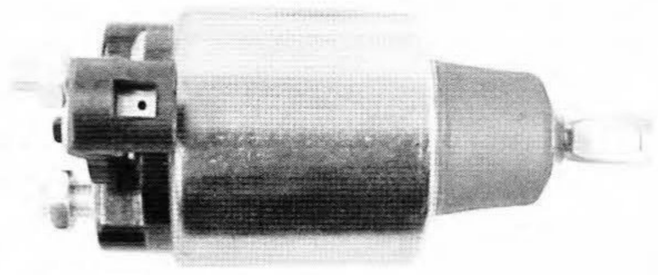
OEM SOLENOID:
Bosch:
2-339-303-210

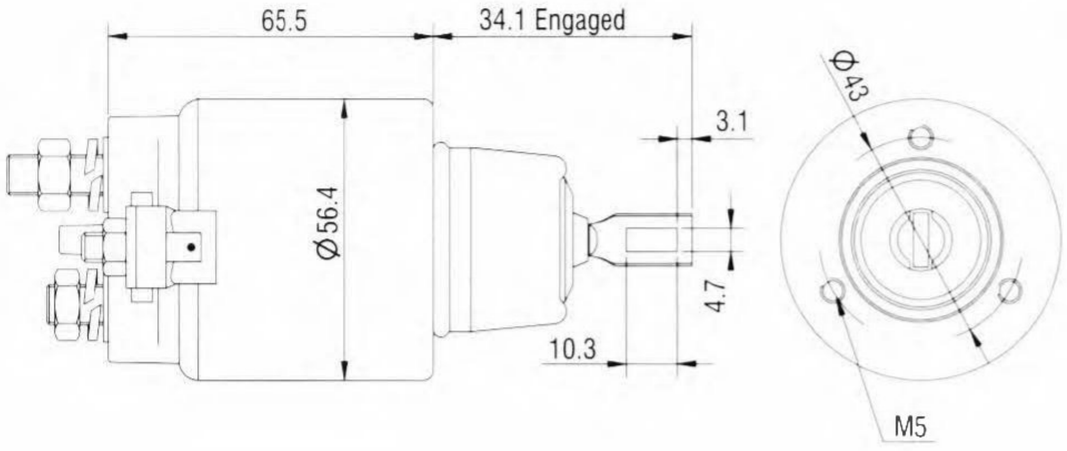
BOSCH

ZM 1-477 12V

CAP ZM 477.96







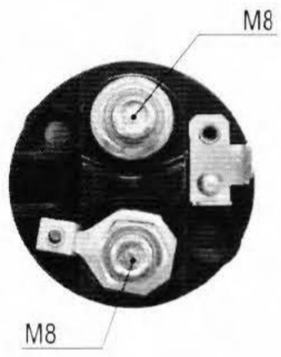
USED ON:
Bosch 107 Series PMGR Starters.
Chrysler, Dodge, Plymouth.

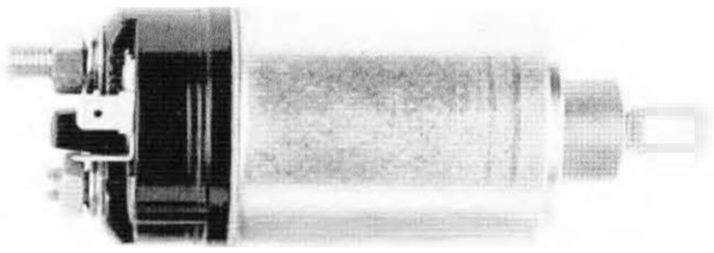
STARTERS:
Bosch: 9-007-045-009.

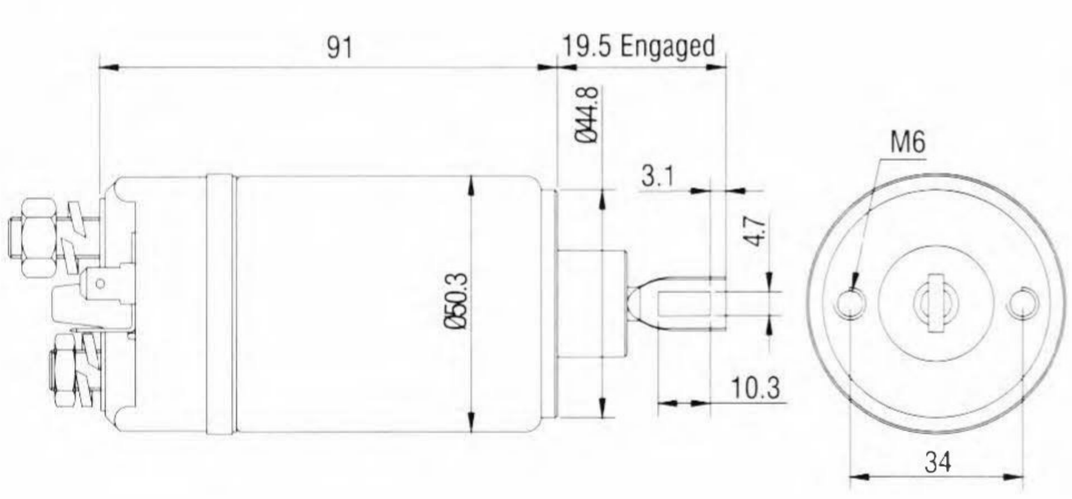
OEM SOLENOID:
Bosch:
2-339-303-221

ZM 521 12V

CAP ZM 521.96







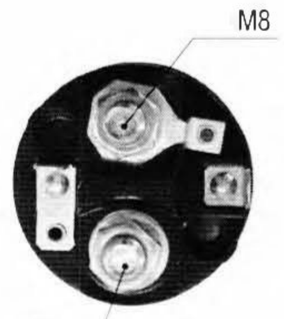
USED ON:
Brasília 1300 (Alc.), 1600 (Gas.), Karmann Ghia TC 1600 and TC 1600, Kombi 1500, 1600, Sedan 1300, 1500 (Gas.) and 1600, Variant I and II, RD900, RD900L, RD950, RD950L, Audi, Porsche 914, 1700, 1800, Rabbit, Sirocco 1600.

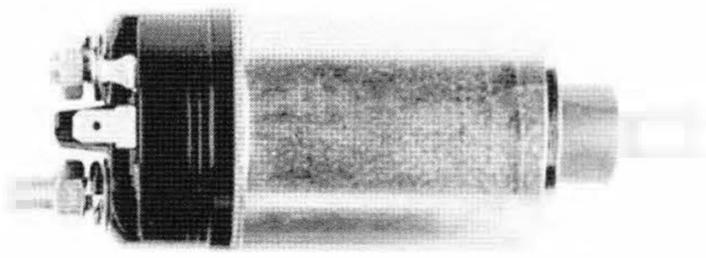
STARTERS:
Bosch: 0-001-211-221 / 222 / 992 / 993 / 997 / 998, 9-000-082-009, 9-000-082-031.

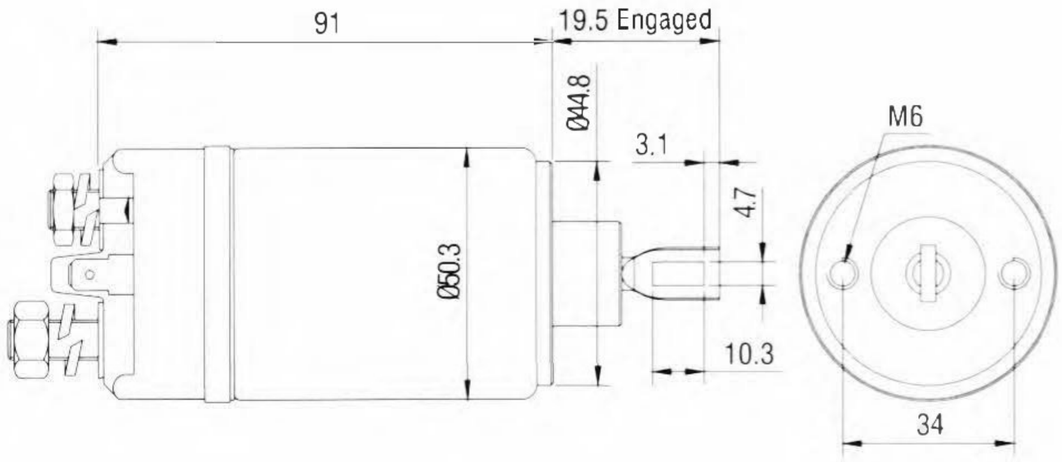
OEM SOLENOID:
Bosch:
0-331-302-040
0-331-302-064
0-331-302-540
9-330-081-038
Volkswagen:
311-911-287

ZM 522 12V

CAP ZM 522.96







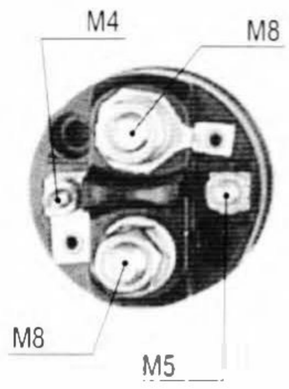
USED ON:
Chevette 1.4, Marajó and Marajó 1.4, Caravan with starters Bosch, Audi, Opel, Porsche, Saab 99, Volvo 14, Bosch 208, 211 and 311 Series DD Starters.

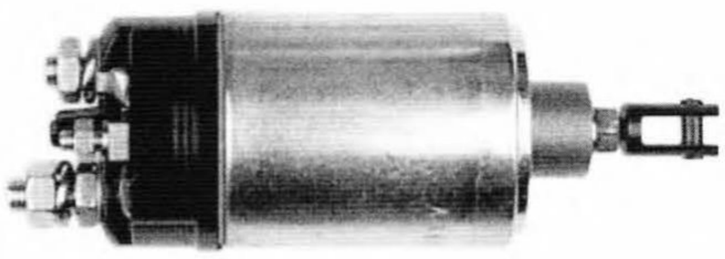
STARTERS:
Bosch: 0-001-208- 202, 0-001-211-200 / 201 / 241, 9-000-082-017, 9-000-082-024.

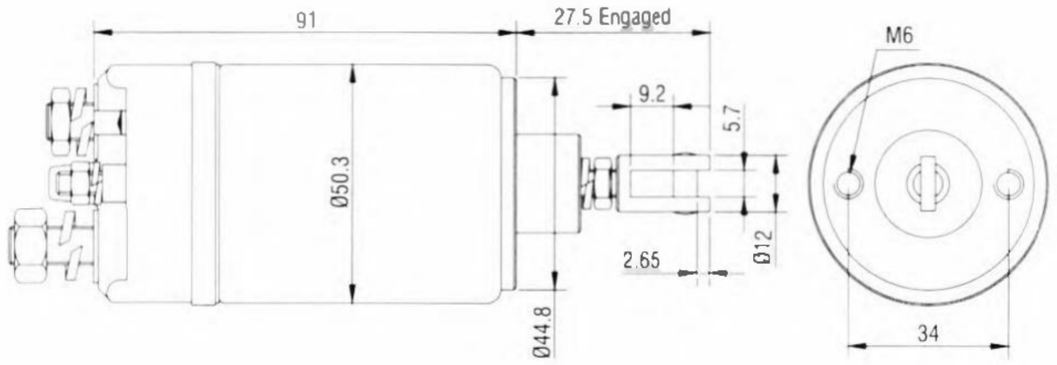
OEM SOLENOID:
Bosch:
0-331-302-062
9-330-081-022
9-330-081-024

ZM 523 12V

CAP ZM 523.96







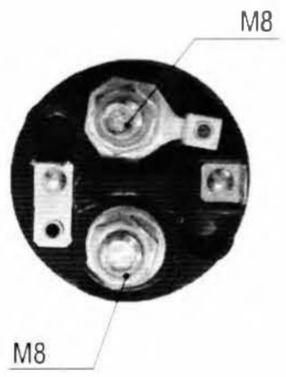
USED ON:
Opala with Bosch Starters and Maverick 6 Cil.

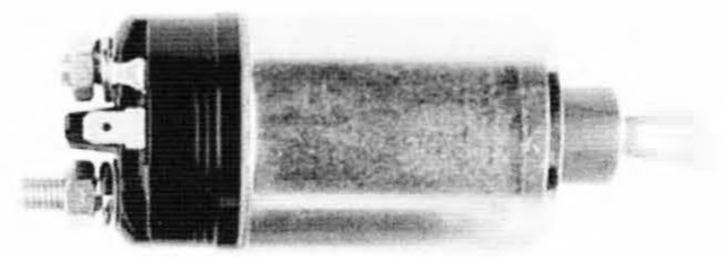
STARTERS:
Bosch: 9-000-082-006 / 015, 9-000-083-016 / 017.

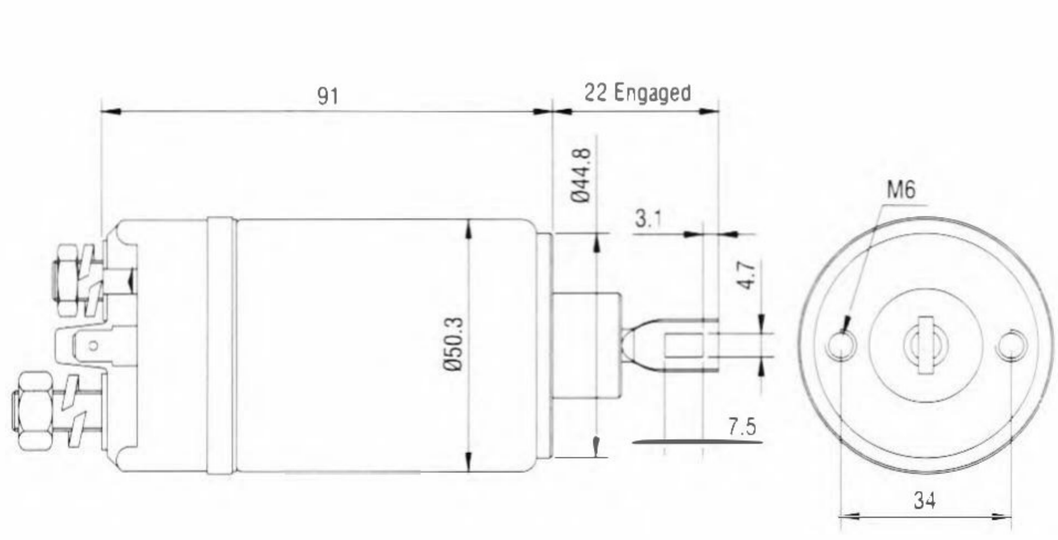
OEM SOLENOID:
Bosch:
9-330-081-010

ZM 524 12V

CAP ZM 522.96







USED ON:
Chevette, Chevette Hatch, Marajó 1.4 (08.76→12.82), BMW 2002 and 320 I, Volvo 160, 240 and 760, Opel Ascona, Commodore, Kadett, Rekord.

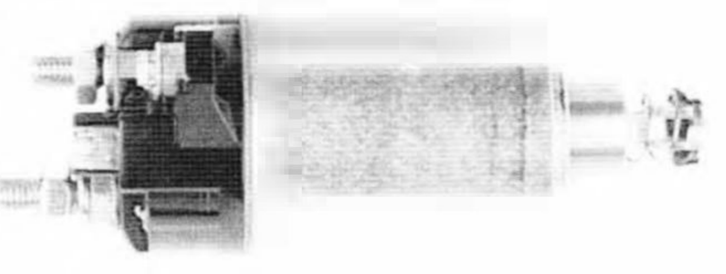
STARTERS:
Bosch: 0-001-208-038, 0-001-311-030 / 031, 9-000-082-023.

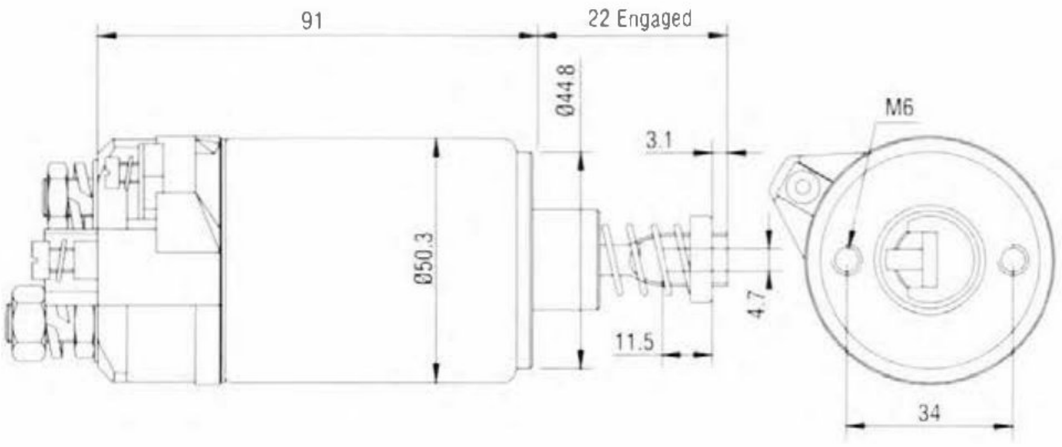
OEM SOLENOID:
Bosch:
0-331-302-029
0-331-302-036
0-331-302-044

ZM 525 12V

CAP ZM 525.96







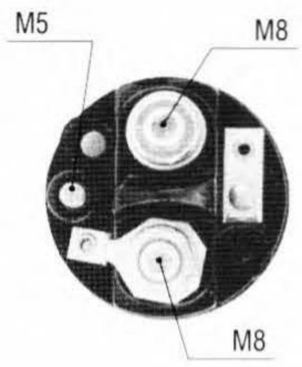
USED ON:
Passat 1.5 and 1.6 (07.74→02.82), Audi NSU 80 1.3, 1.5, 1.6 LTR. (05.72→08.86), Porsche.

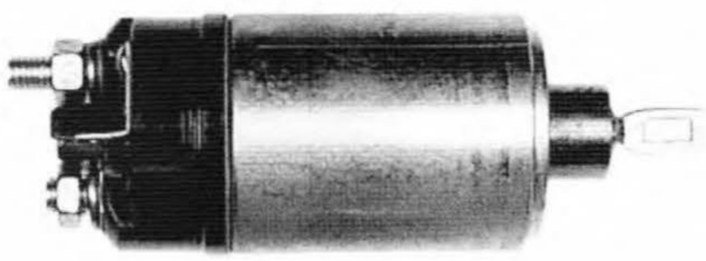
STARTERS:
Bosch: 0-001-211-209, 0-001-211-210.

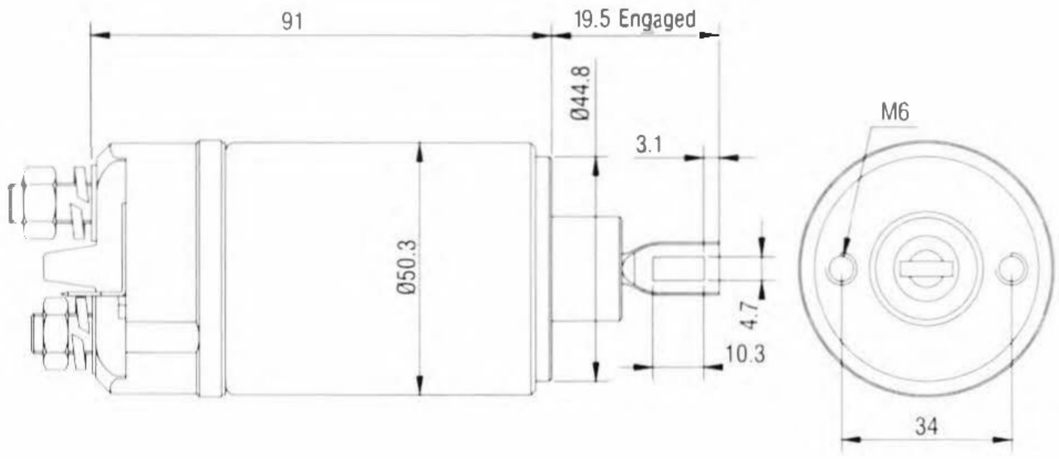
OEM SOLENOID:
Bosch:
0-331-302-076
0-331-302-576

ZM 526 12V

CAP ZM 624.96







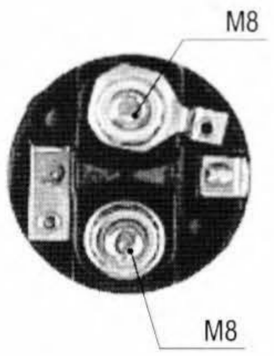
USED ON:
Ford Capri, Capri 1.3 Ltr. Capri II 2800 USA, Ford Granada, Granada 1.7, Granada 2.8i, Ford Consul 2.3 Ltr., Ford Taunus 2.0, 2.3, Taunus 1.3, 1.6 Ltr., Ford FT 100, 125, 130, 150, 175, 190 1.7 Ltr., FT 75, 100 1.5 Ltr., Saab.

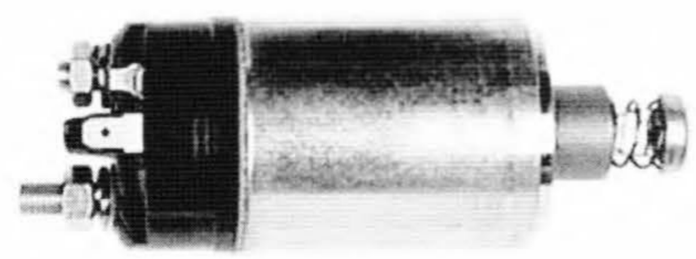
STARTERS:
Bosch: 0-001-208-049 / 055 / 206, 0-001-211-229 / 989 / 995 / 996, 0-001-311-046 / 049 / 101.

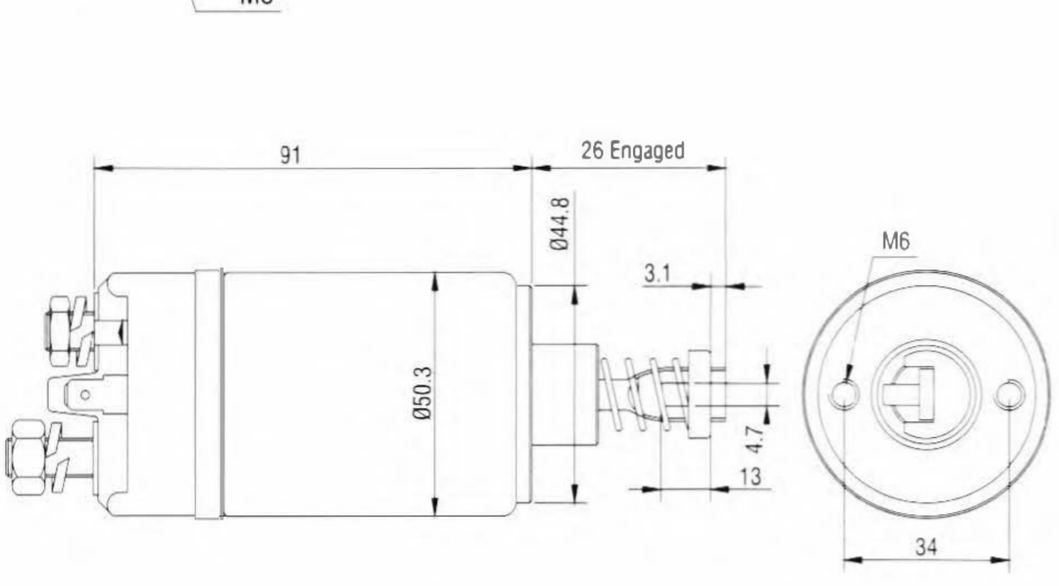
OEM SOLENOID:
Bosch:
0-331-302-054
0-331-302-063

ZM 527 12V

CAP ZM 522.96







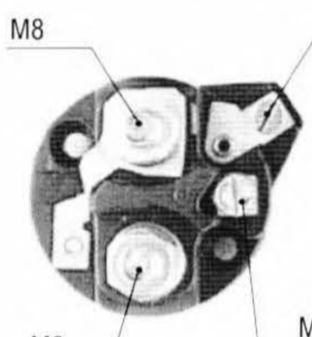
USED ON:
Porsche 911, Carrera and 930.

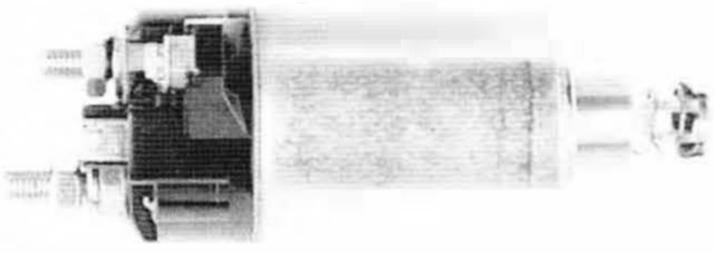
STARTERS:
Bosch: 0-001-312-100.

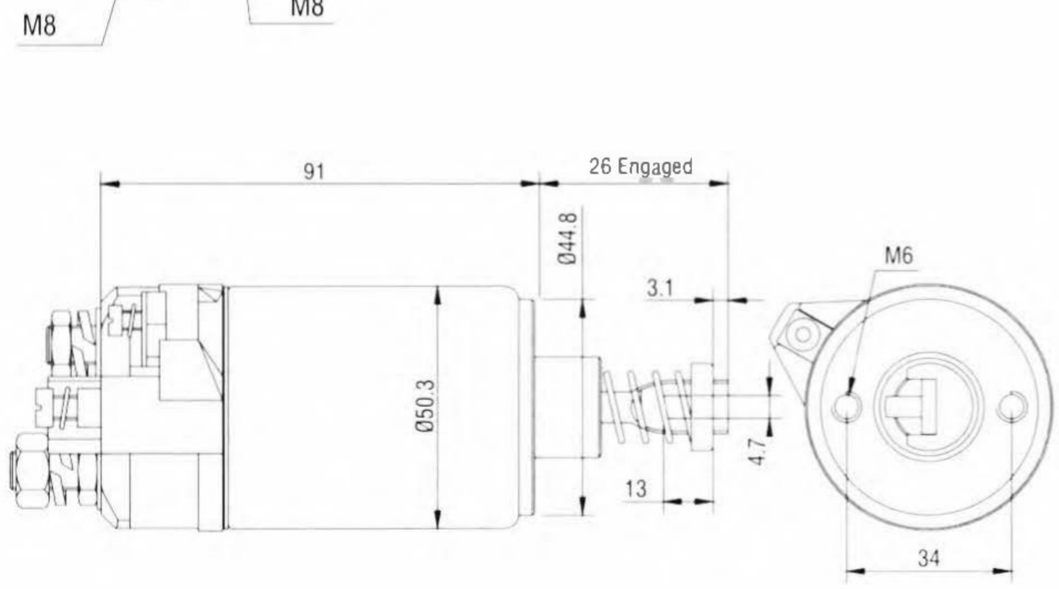
OEM SOLENOID:
Bosch:
0-331-302-097

ZM 528 12V

CAP ZM 525.96







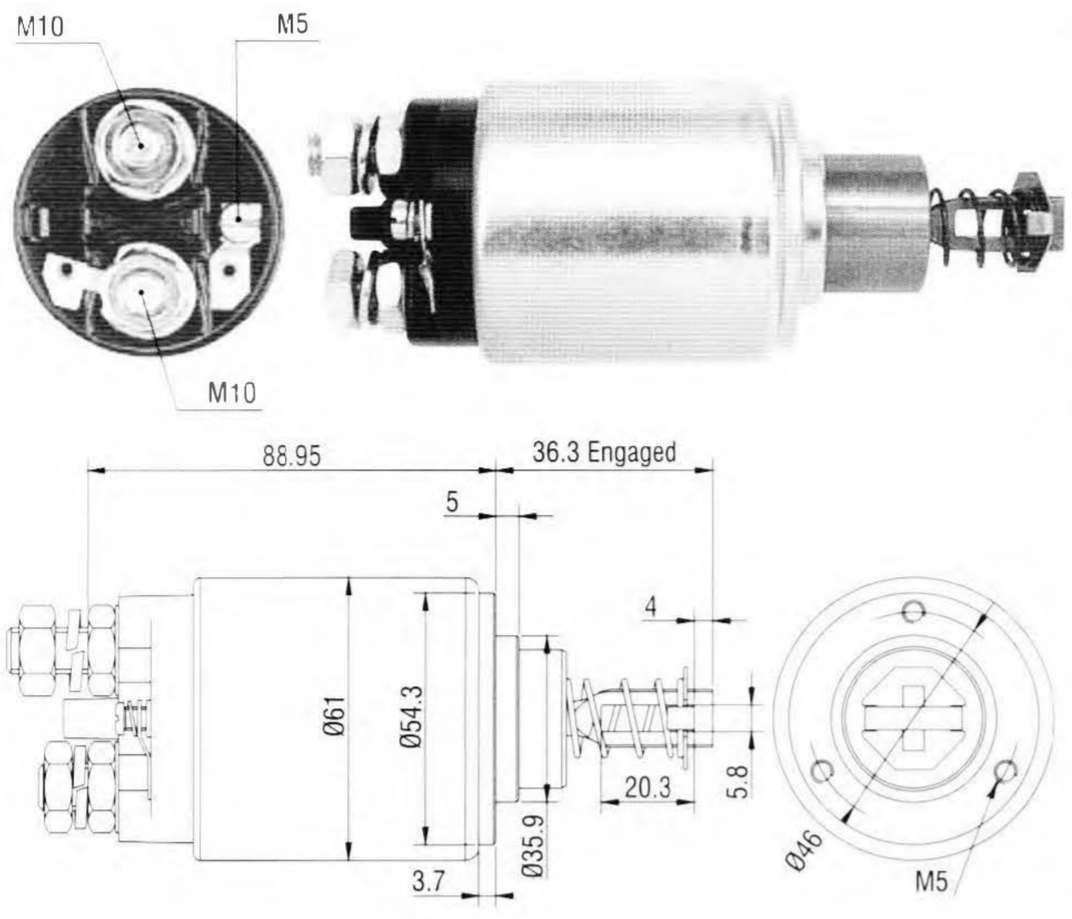
USED ON:
Audi Fox, 4000, Volkswagen Dasher, Quantum, Porsche 911 (Except 3.6 Ltr.) and 928.

STARTERS:
Bosch: 0-001-208-227, 0-001-312-102, 0-001-312-110.

OEM SOLENOID:
Bosch:
0-331-302-058

ZM 531 12V

CAP ZM 531.91



Note: Similar to ZM 631 with steel lever.
Nota: Similar ao ZM 631 com garfo de aço.

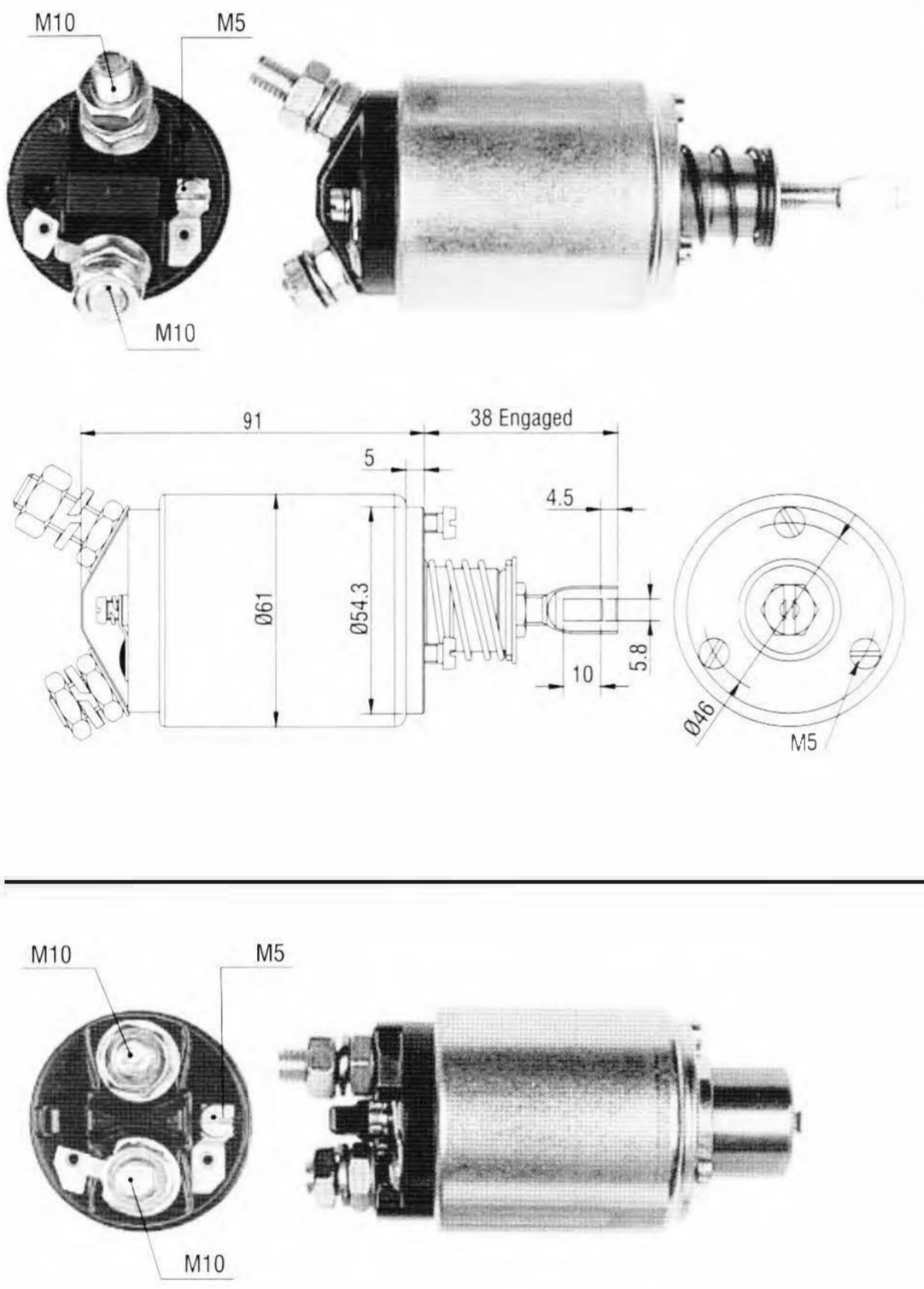
USED ON:
For All "JF" Series Starters. Alfa Romeo, Auto Carro, Saviem, Carraro, Ford, Lamborghini, Same, Cassan, KHD, Man, Hanomag, Opel, Maserati, Bomag, Volvo, Volkswagen, MagirusDeutz Ag, Atlas Copco, Bertolini, Case, Ferrari, IHC, Hlder, Iveco, MasseyFerguson, Slanzi, Mercedes, Hamm, Hatz, Palmieri, Renault, Poclain, Ruggerini, Steyer, Vauxhall, CBT, Cummins, Agrale, J.I.Case, GM, Mercedes Benz, Toyota, Maxion, MWM, Valmet, Yanmar, Ford New Holland.

STARTERS:
Bosch: 9-000-083-027 / 028 / 035 / 036 / 038 / 042 / 053 / 054 / 055 / 056 / 058 / 059 / 067 / 069 / 071 / 072 / 077 / 089.

OEM SOLENOID:
Bosch:
9-330-081-030

ZM 533 12V

CAP ZM 533.91



USED ON:
For All "JD" Series Starters. (Todos com Motor de Partida "JD").

STARTERS:
Bosch: 9-000-083-015.

OEM SOLENOID:
Bosch:
9-330-081-008

ZM 534 12V

CAP ZM 531.91

USED ON:
Agrale: Caminhões TX 1600. **Maxio:** Trator MF 235 (Perkins-A 3.152). **CBT:** Trator 1105. **Fiat-Allis:** Trator AD7B. **J.I. Case:** Trator W20. **MBB:** Caminhão 1113, 1313, 1316, 1513, 1516, 2013, 2016, 2213, 2216. **Toyota:** Bandeirante. **MWM:** Motores D225-6, 225-3, 225-4, 229-3. **Yanmar:** Motor Estacionário AE-1 (Todos com Motor "JD"). **Valmet:** Tratores 62 ID, 65, 68, 85, 110. **MF:** MF 235, 265.

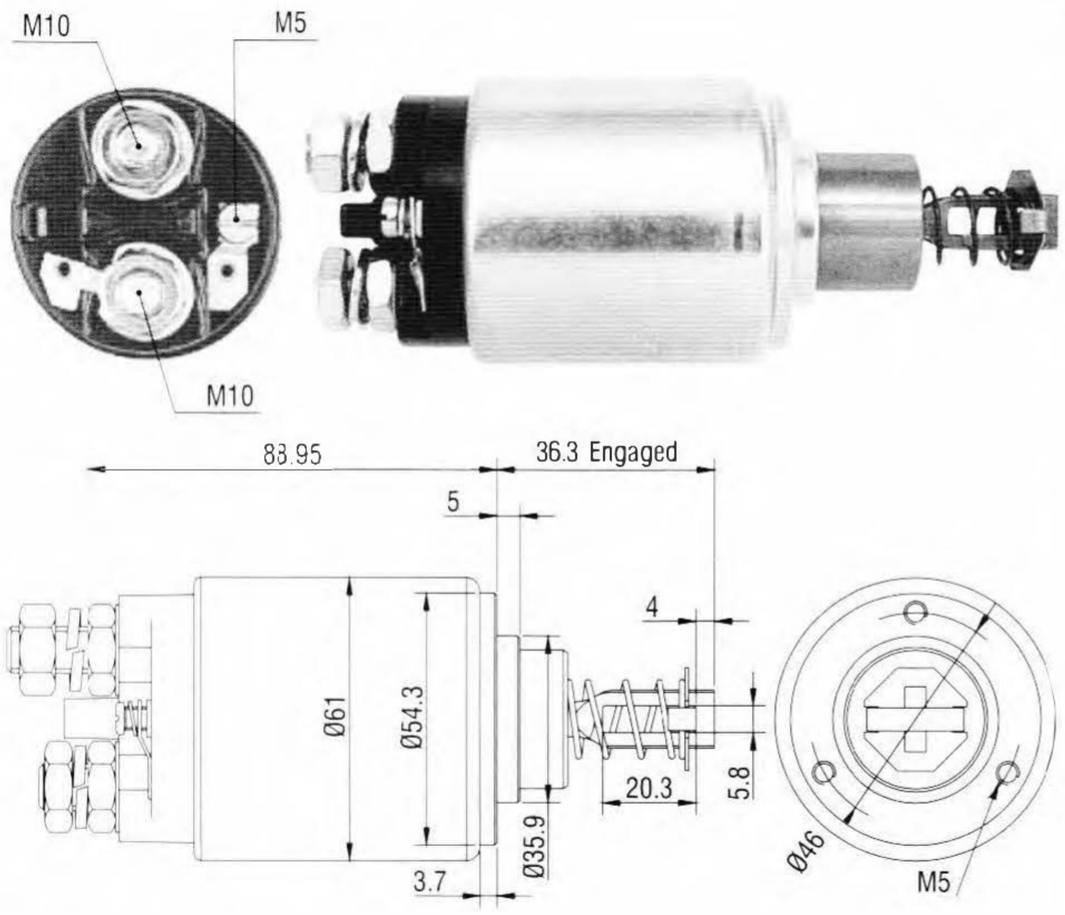
STARTERS:
Bosch: 0-001-358-030, 9-000-083-000 / 001 / 002 / 003 / 004 / 011 / 012 / 013 / 018 / 019 / 029 / 040.

OEM SOLENOID:
Bosch:
9-330-081-031

BOSCH

ZM 536 24V

CAP ZM 531.91



Note: Similar to ZM 636 with steel lever.
Nota: Similar ao ZM 636 com garfo de aço.

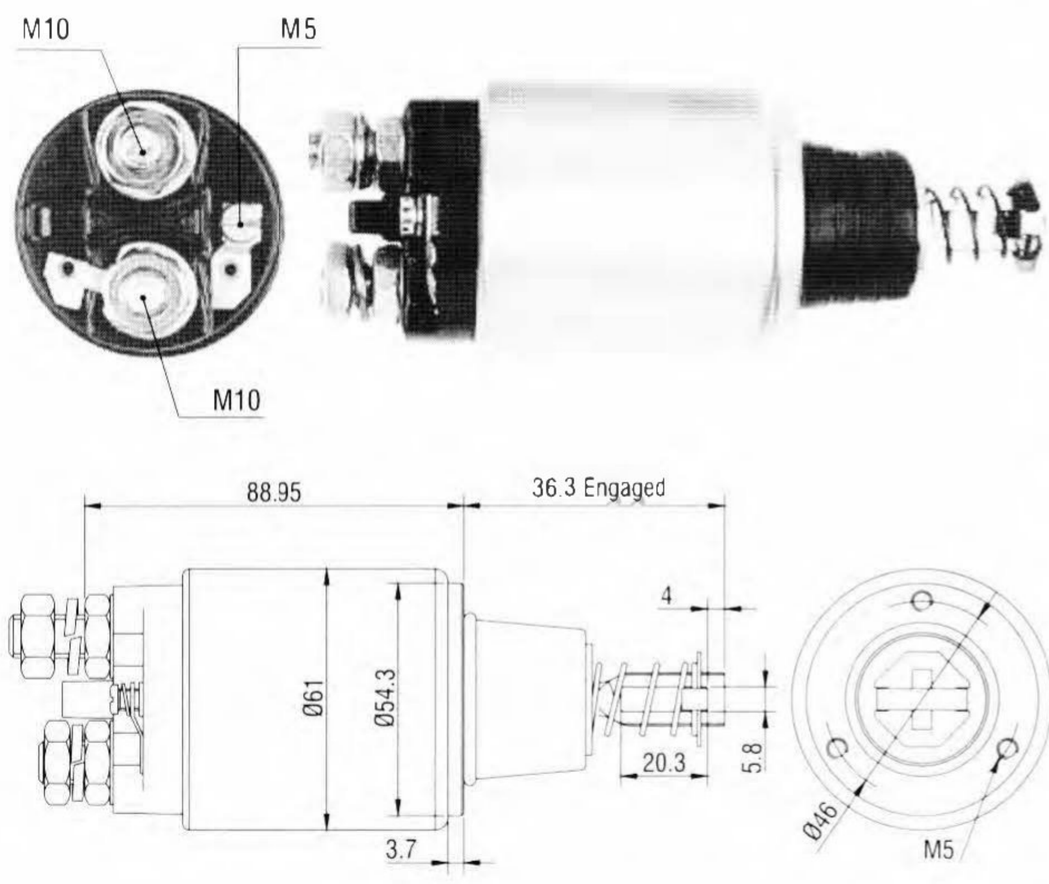
USED ON:
Cummins: Motor 6 BT 5,9L. **Fiat:** Caminhões Fiat 80, 120, 140. **Iveco:** Caminhão 150 T. **VME:** Pá Carregadeira L 30. **Maxion:** Retroescavadeira. **Mercedes Benz:** Caminhões 1214, 1218, 1414, 1418, 1614, 1618, 1621 Chassis para Ônibus OF e OH 1318, **Toyota:** Bandeirante.

STARTERS:
Bosch: 9-000-083-043 / 046 / 064 / 073 / 076, 9-000-453-079 / 088.

OEM SOLENOID:
Bosch:
9-330-081-032

ZM 537 12V

CAP ZM 531.91



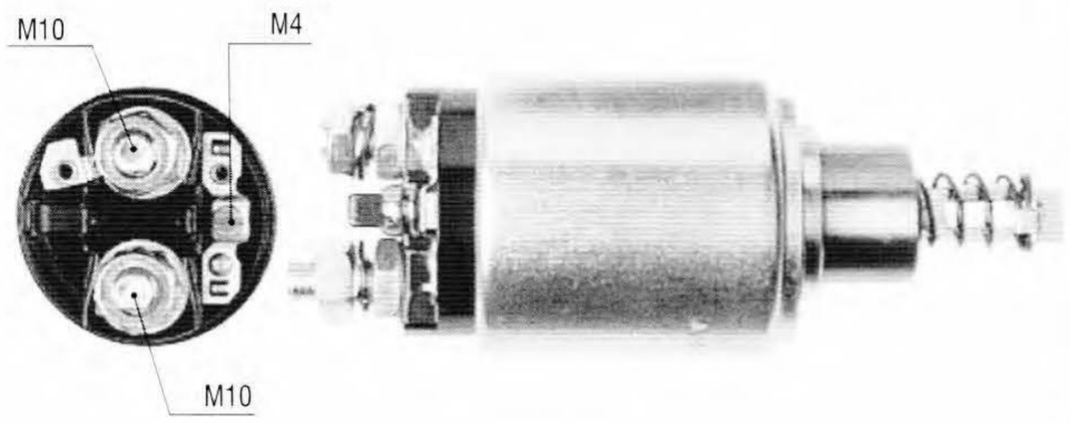
USED ON:
CBT: Trator 2105 (MBB-OM 352) (04.83→). **Deutz:** Tratores AX Série 4.100, 4.190, 80S, 100S, 120S (01.81→). **Ford:** Caminhões Cargo 12.180 e 15.180 (MWM 6.10TCA), 14.170, 16.170 e 16.200 (Cummins 6BTAA). **J.I.Case:** Tratores 580 Série 580H, SH e SH 4x4 (Cummins 4B 3.9) (04.94→). **Komatsu:** Retroescavadeira de Esteiras (Cummins 6 BT), Tratores D30E (MBB-OM 352), D50A e D50P (MBB-OM 352 A). **MB:** Dresser (à prova de óleo). **Valmet:** Trator Série 1180 (Cummins 6B 5,9) (08.90→). **VW:** Caminhões 12.180, 14.170, 15.180, 16.170, 16.200 (11.97→), Caminhões 16.170BT e 16.200. **Yanmar:** Trator 1050.

STARTERS:
Bosch: 9-000-083-031 / 041 / 051 / 061 / 062 / 074 / 075, 9-000-453-072 / 074 / 076 / 083.

OEM SOLENOID:
Bosch:
9-330-081-028

ZM 538 12V

CAP ZM 538.91



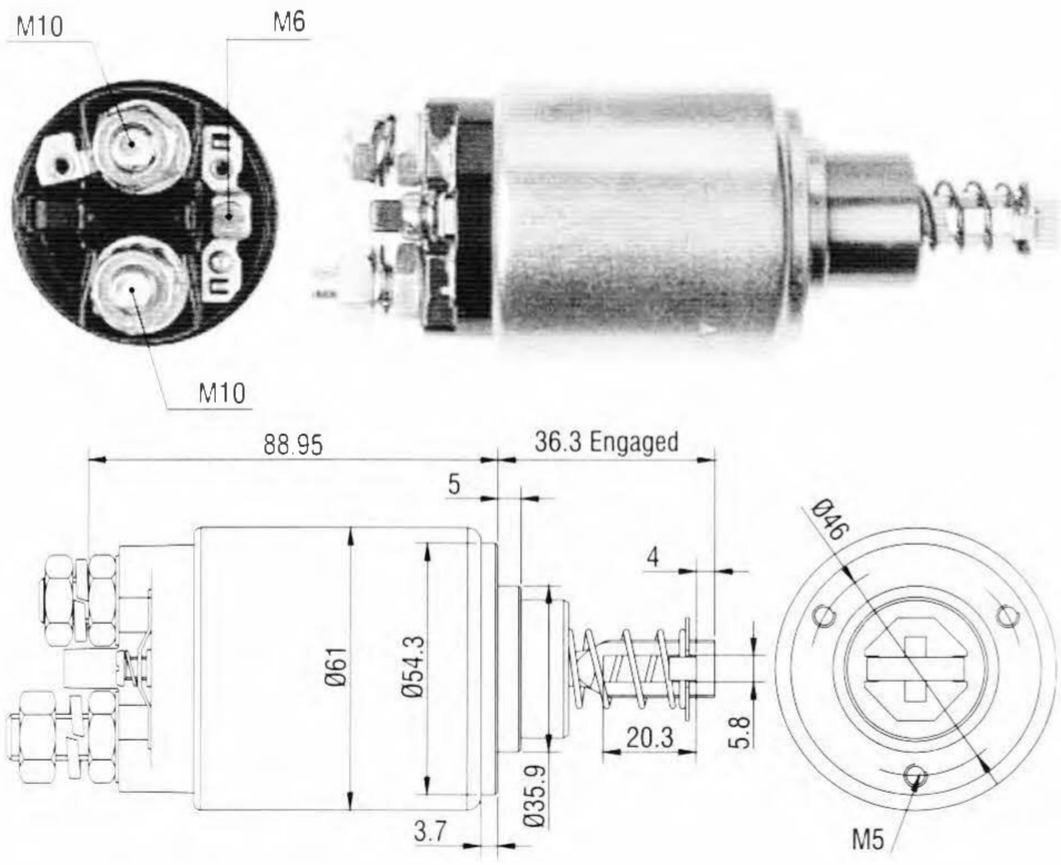
USED ON:
Audi (Diesel), Case, Daf, Fiat, IHC, Iveco, Jonh Deere, KHD, Mark, Opel, Magirus, Massey-Ferguson, Mercedes (Diesel), Renault, Volvo (Diesel).

STARTERS:
Bosch: 0-001-362-030 / 044 / 304, 0-001-367-026 / 032, 0-001-368-069.

OEM SOLENOID:
Bosch:
0-331-402-004
0-331-402-016

ZM 539 24V

CAP ZM 539.91



Note: Similar to ZM 545 with nylon Lever.
Nota: Similar ao ZM 545 com garfo de nylon.

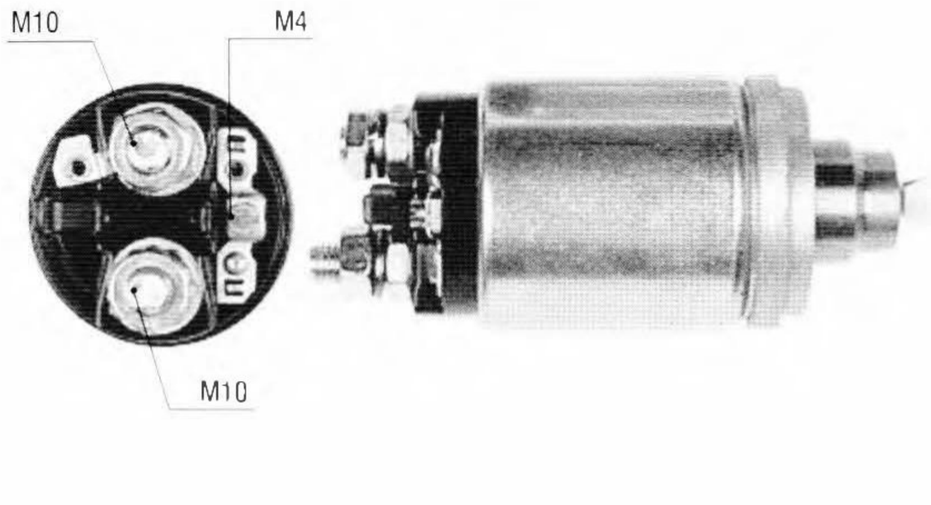
USED ON:
Alfa Romeo, Volvo Penta, Volvo, Renault, Saviem, Unic, VM Stab, Meccanici, Fiat 241 TN, 616, 625, 40 NC, 50 NC, 50F, OM Brescia N 100, 110.

STARTERS:
Bosch: 0-001-360-026, 0-001-363-101.

OEM SOLENOID:
Bosch:
0-331-402-007
0-331-402-507

ZM 541 12V

CAP ZM 538.91



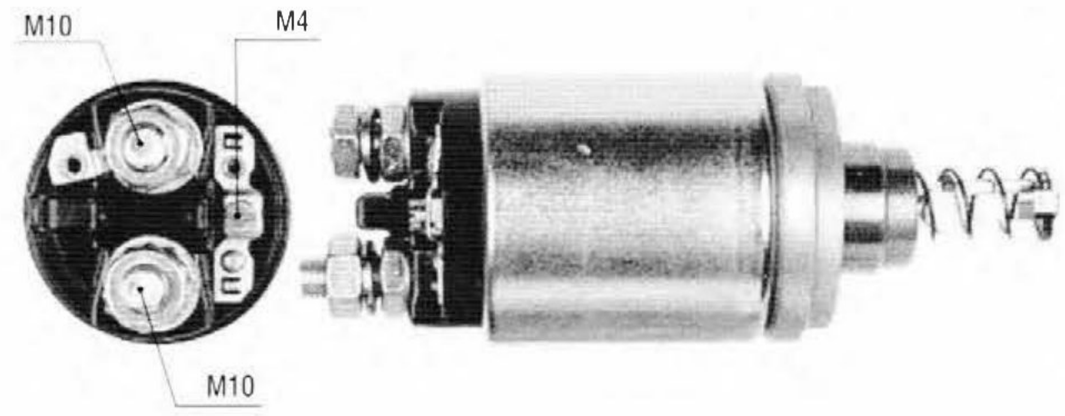
USED ON:
Carraro, Goldonz, Hanomag, Lamborghini, KHD, Mercedes, VM, Same Cassani, Ruggerini, For 0-001-534 Series Starters.

STARTERS:
Bosch: 0-001-354-091.

OEM SOLENOID:
Bosch:
0-331-402-077

ZM 542 12V

CAP ZM 538.91



USED ON:
Lamborghini, Lombardini, Man, Mercedes, Saviem, Scania, Steyer, IHC, Volvo, Iveco, Atlas Copco, Bukh, KHD, Clark, Eicher, Fahr, Jonh Deere, Ferrari, Hanomag, Hatz.

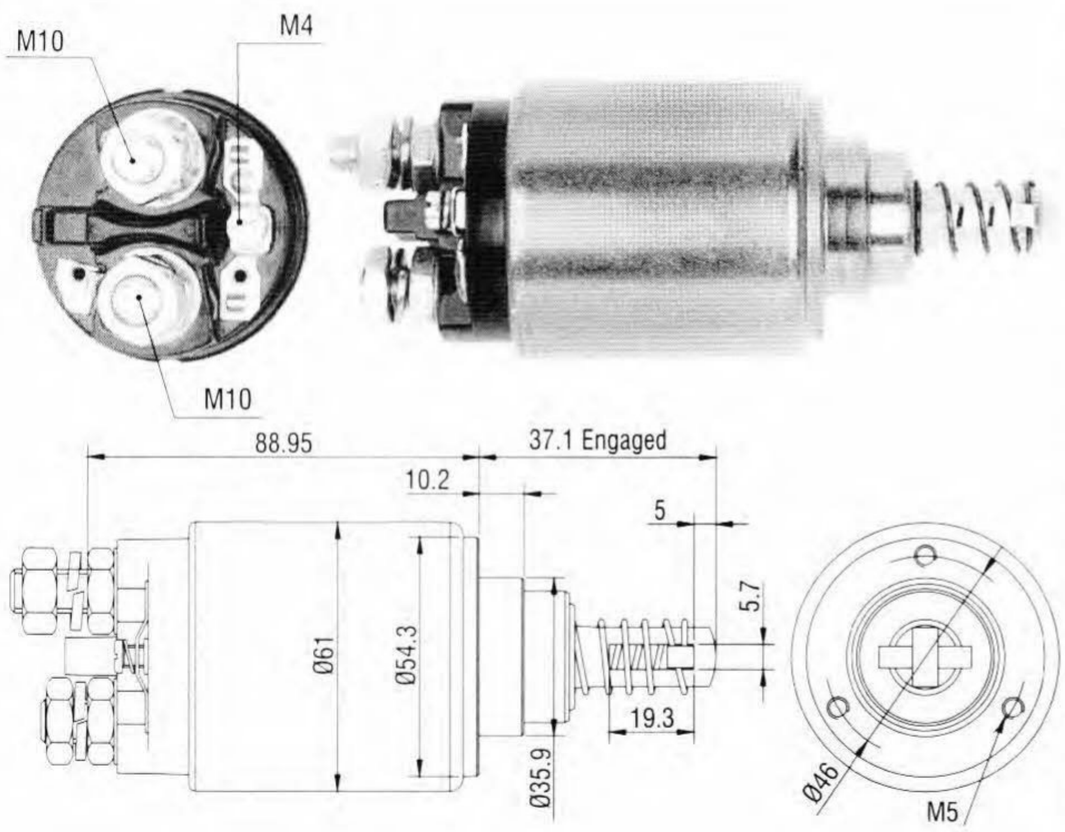
STARTERS:
Bosch: 0-001-356-002 / 03, 0-001-359-001 / 002 / 003 / 006 / 007 / 008 / 010 / 012 / 013 / 014 / 016 / 019 / 020 / 021 / 024 / 025 / 026 / 027 / 030 / 032 / 033 / 034 / 037 / 038 / 041 / 044 / 045 / 046 / 053 / 056 / 057 / 058 / 060 / 062 / 063 / 064 / 067 / 068 / 069 / 070 / 083 / 096.

OEM SOLENOID:
Bosch:

0-331-400-023	0-331-401-012	0-331-401-501	0-331-402-074
0-331-401-001	0-331-401-029	0-331-401-503	
0-331-401-003	0-331-401-046	0-331-401-504	
0-331-401-004	0-331-401-051	0-331-402-073	

ZM 543 12V

CAP ZM 543.91



Note: Similar to ZM 1-731 with short moveable contact rod.
Nota: Similar ao ZM 1-731 com pino de contato curto.

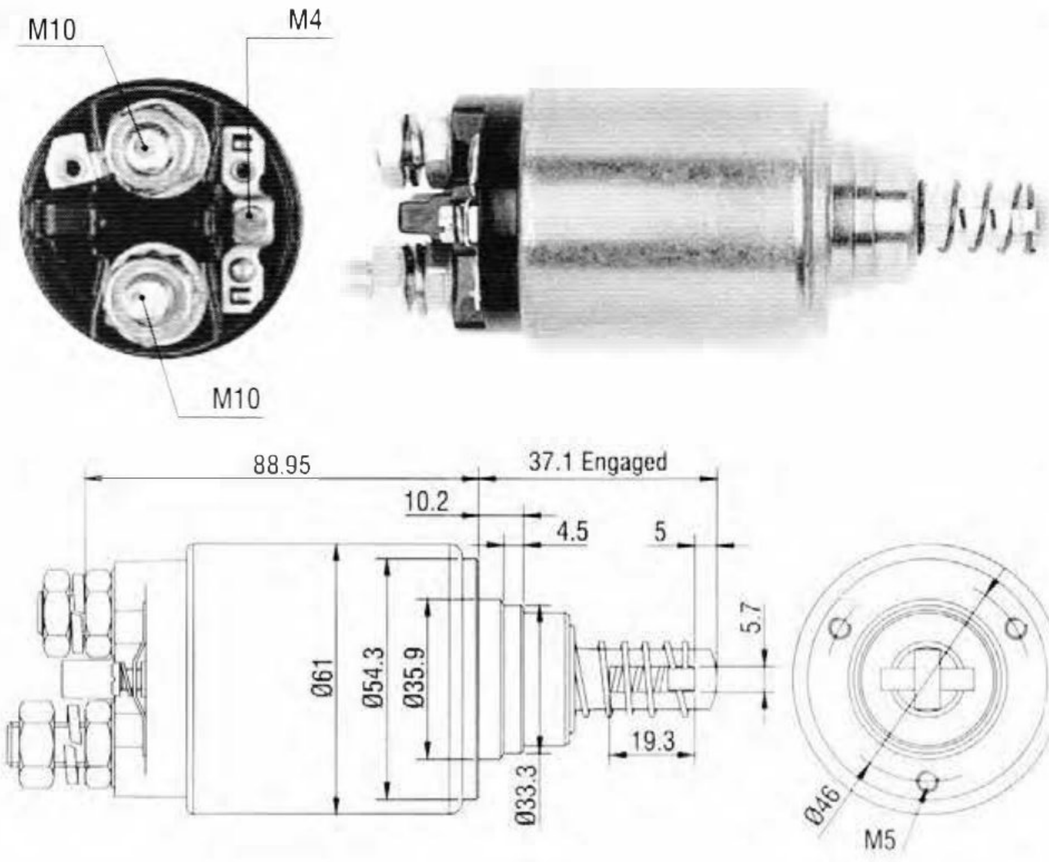
USED ON:
Iveco, Kaelble, Massey Ferguson, Mercedes, Palmieri, Poclain, Steyer, IHC, Vaxhall, Ford, Bertolini, Volvo, Atlas, Atlas Copco, Man, VW, Calyson, Case, Deutz Fahr, Farymann, Ruggerini, Ferrari, Hamm, Hatz, Holder, Renault, Huerlimann, Slanzi, Scania, Magirus.

STARTERS:
Bosch: 0-001-362-013 / 014 / 016 / 022 / 023 / 024 / 034 / 035 / 037 / 041 / 046 / 071 / 305 / 312, 0-001-366-008 / 010 / 025.

OEM SOLENOID:
Bosch:
0-331-402-002 0-331-402-503
0-331-402-003
0-331-402-502

ZM 544 12V

CAP ZM 538.91



Note: Similar to ZM 744 with short moveable contact rod.
Nota: Similar ao ZM 744 com pino de contato curto.

USED ON:
Mercedes 240D, 300, Volvo 240, 740, 769, Volkswagen Dasher, Quantum, Audi 5000, 4000 (Diesel).

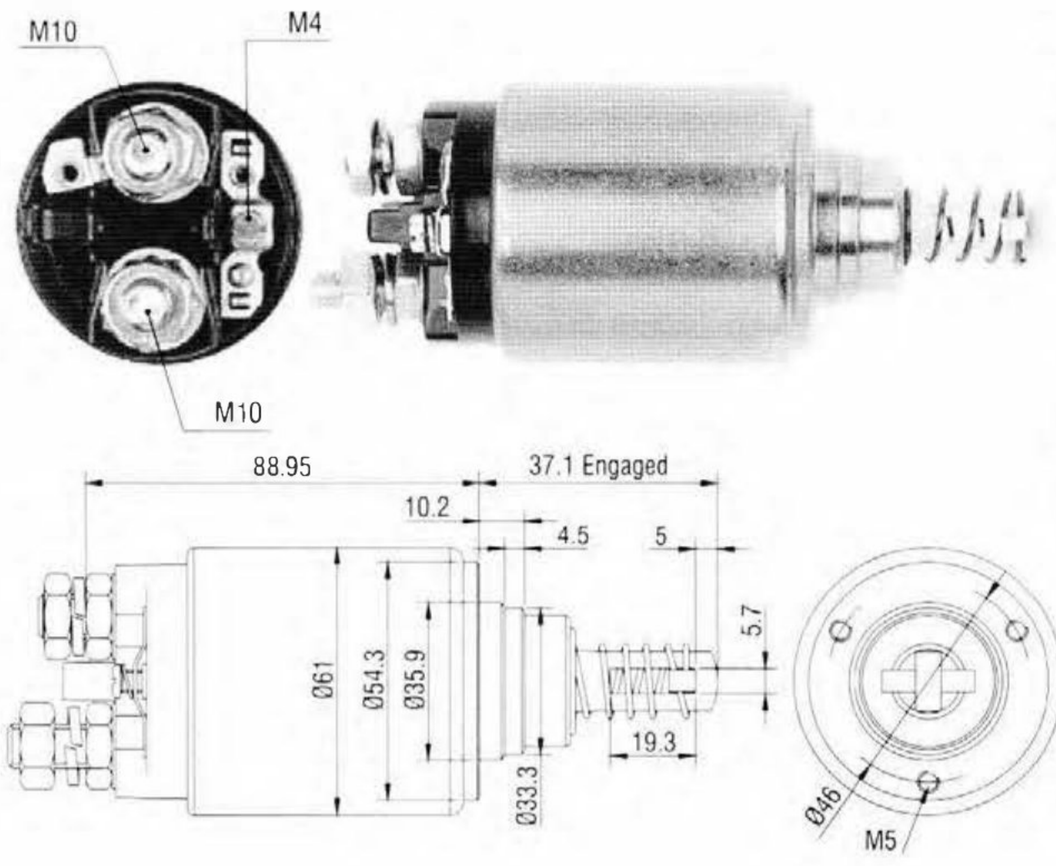
STARTERS:
Bosch: 0-001-359-090, 0-001-362-021 / 027 / 029 / 062 / 073 / 092, 0-001-367-028 / 029 / 030 / 037 / 045.

OEM SOLENOID:
Bosch:

0-331-401-040	0-331-402-035	0-331-402-501	0-331-402-539
0-331-402-001	0-331-402-039	0-331-402-504	
0-331-402-019	0-331-402-087	0-331-402-519	
0-331-402-030	0-331-402-205	0-331-402-535	

ZM 545 24V

CAP ZM 538.91



Note: Similar to ZM 1-545 with short moveable contact rod.
Nota: Similar ao ZM 1-545 com pino de contato curto.

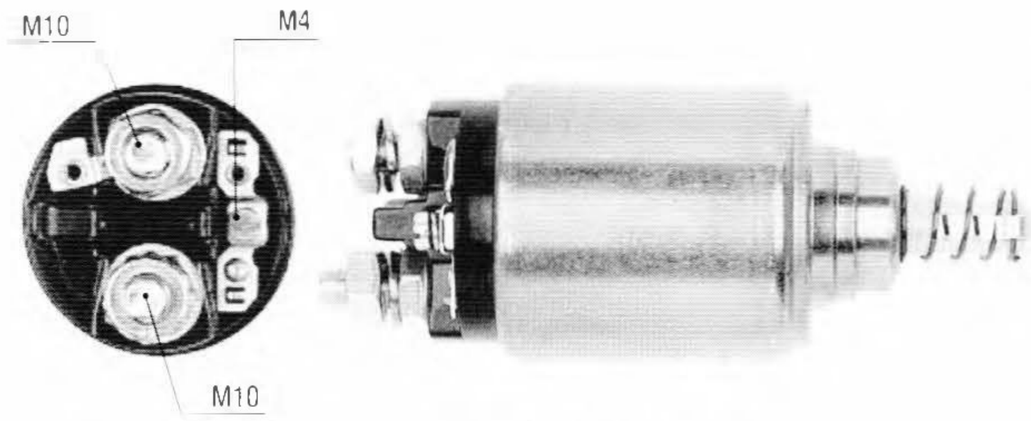
USED ON:
DAF, Deutz, IHC, Iveco, KHD, Magirus, Mercedes, Ravo, Renault, Volvo.
Scania: P93H, P94, Ônibus F94 e L94.
Fiat: 241 Tn, 616, 625, 40 NC, 50 NC, 50 F, OM Brescia N 100, 110.

STARTERS:
Bosch: 0-001-360-029 / 032 / 033 / 034 / 043 / 050 / 060 / 061 / 063, 0-001-363-103 / 104 / 105 / 106 / 107 / 109 / 111 / 112 / 113 / 116 / 117, 0-001-368-002 / 009 / 010 / 012 / 016 / 017 / 034 / 040 / 058 / 301.

OEM SOLENOID:
Bosch:
0-331-402-051 0-331-402-094
0-331-402-053 0-331-402-206
0-331-402-054

ZM 1-545 24V

CAP ZM 538.91



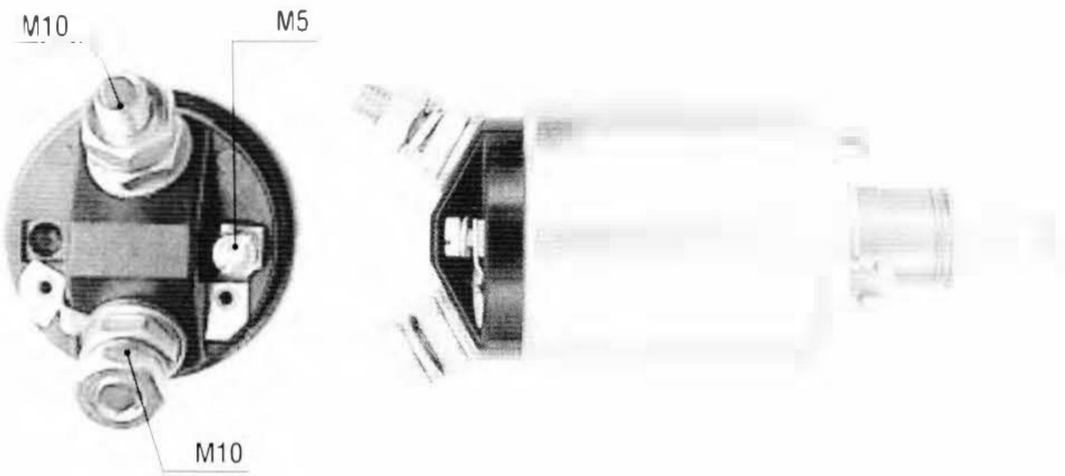
Note: Similar to ZM 545 with long moveable contact rod.
Note: Similar ao ZM 545 com pino de contato longo.

USED ON:
DAF, Deutz, IHC, Iveco, KHD, Magirus, Mercedes, Ravo, Renault, Volvo.
Scania: P93H, P94, Ônibus F94 e L94.
Fiat: 241 Tn, 616, 625, 40 NC, 50 NC, 50 F, OM Brescia N 100, 110.

STARTERS:
Bosch: 0-001-360-029 / 032 / 033 / 034 / 043 / 050 / 060 / 061 / 063, 0-001-363-103 / 104 / 105 / 106 / 107 / 109 / 111 / 112 / 113 / 116 / 117, 0-001-368-002 / 009 / 010 / 012 / 016 / 017 / 034 / 040 / 058 / 301.

OEM SOLENOID:
Bosch:
0-331-402-051 0-331-402-094
0-331-402-053 0-331-402-206
0-331-402-054

ZM 546 24V



USED ON:
Caminhão Fiat 70 (CO-3), 100 (CO-3 variant 36), 130 (CP-3), Trator AD7B (→12.79).

STARTERS:
Bosch: 9-000-083-024 / 025.

OEM SOLENOID:
Bosch:
9-330-081-023

ZM 547 24V

CAP ZM 539.91



Note: Similar to ZM 637 with steel lever.
Nota: Similar ao ZM 637 com garfo de aço.

USED ON:
Mercedes Benz: Ônibus com Motor M 366 G, Chassis para Ônibus OF e OH 1115, 1315 (OM 366), Plataforma e Ônibus O 371 U (OM 366) com Motor JF, O 371 UL, OH 1621 LG, OH 1623 LG.

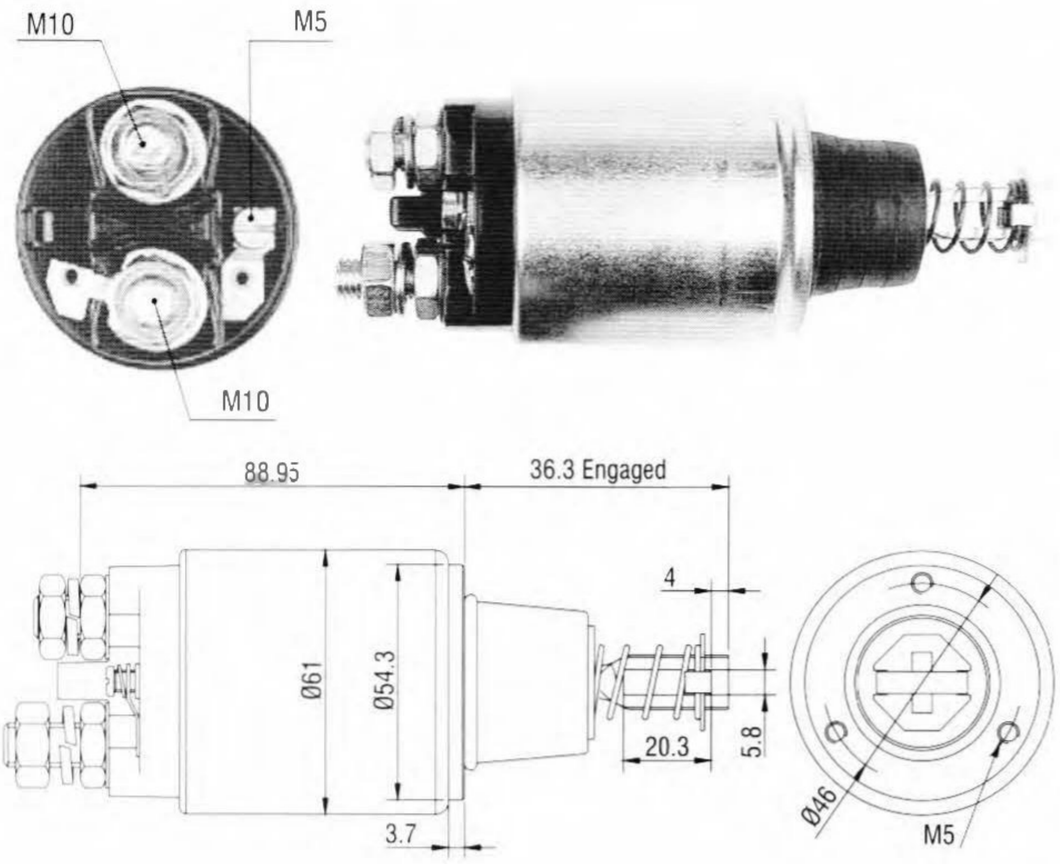
STARTERS:
Bosch: 9-000-083-065.

OEM SOLENOID:
Bosch:
9-330-081-045

BOSCH

ZM 548 24V

CAP ZM 548.91



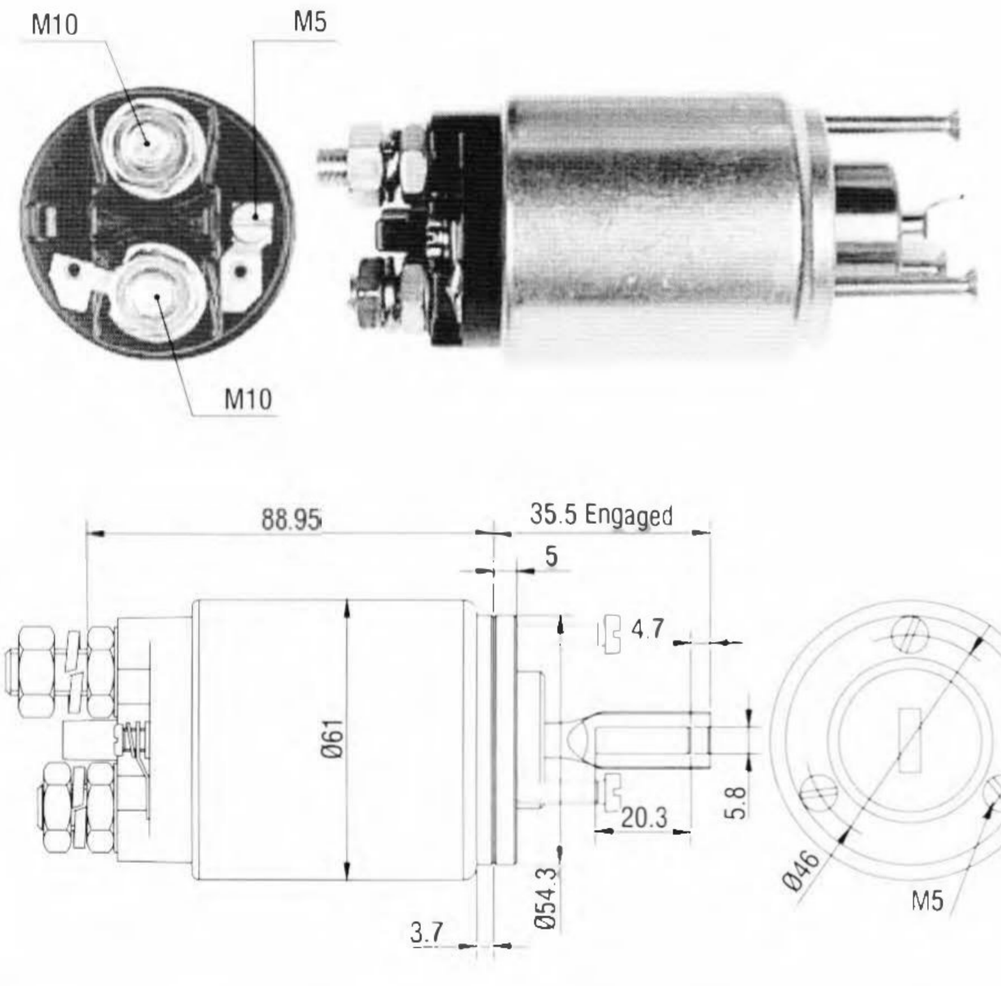
USED ON:
Fiat Allis: Trator AD7B (MWM-D 229-6) (→12.84), Tratores FD 9, FD 10 B e FD 12 B (MWM-D 229-6) (05.91→).

STARTERS:
Bosch: 9-000-083-050 / 068.

OEM SOLENOID:
Bosch:
9-330-081-042

ZM 549 12V

CAP ZM 531.91



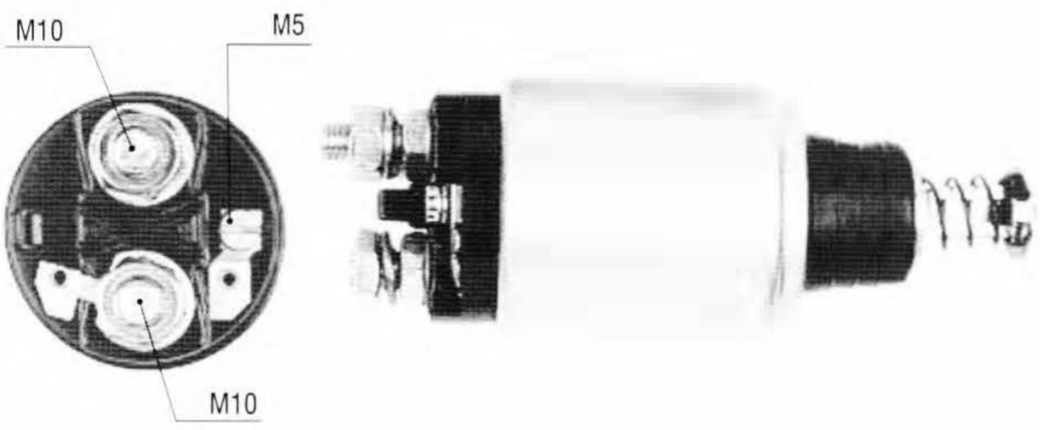
USED ON:
Mercedes Benz: Caminhão L 608D (OM 314), Motor estacionário, industrial, gerador e marítimo OM 314. **CBT:** Trator 1035. **Toyota:** Bandeirante.

STARTERS:
Bosch: 9-000-083-014 / 030.

OEM SOLENOID:
Bosch:
9-330-081-035

ZM 550 24V

CAP ZM 531.91

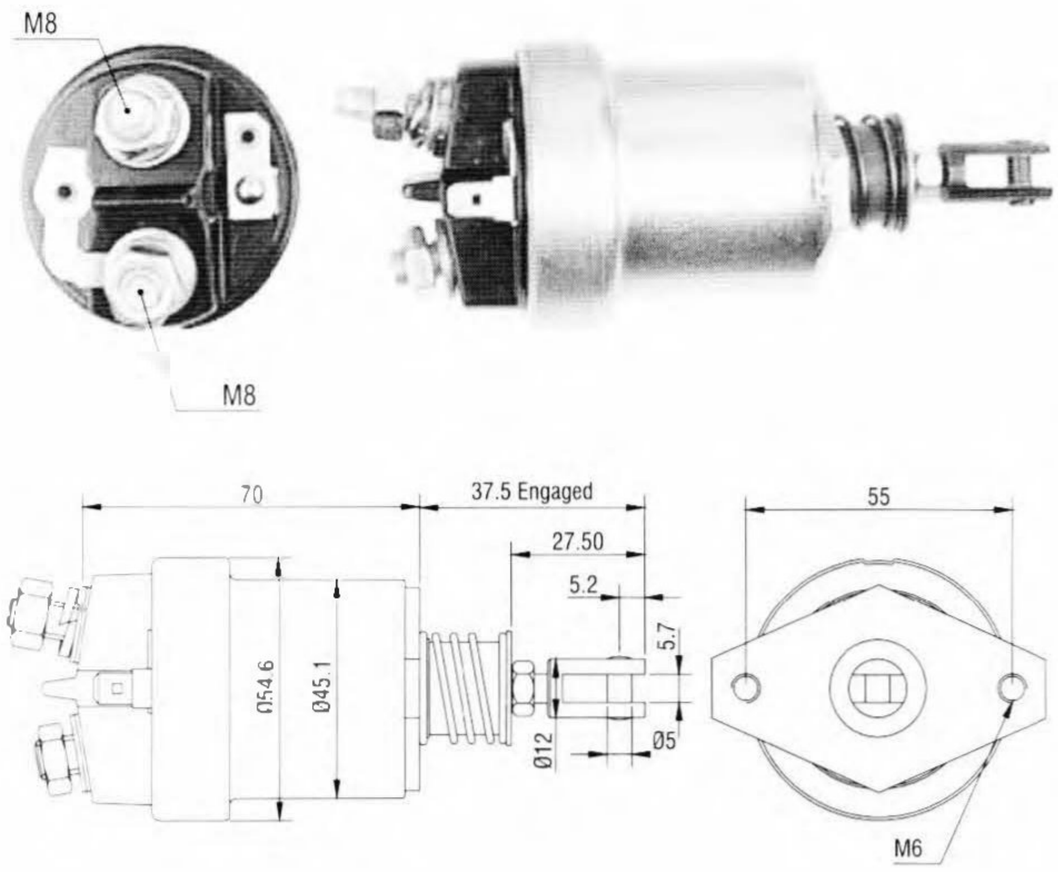


USED ON:
Fiat Allis: Retroescavadeiras AD7B, FA120 e Fh200 (MWM-D 229-6) (06.85→). **Komatsu:** Retroescavadeira Pc150 modelo 3 (Cummins 6 BT 5.9) (04.93→), Retroescavadeira Pc150 modelo 5 (Cummins 6 BT 5.9) (04.93→), **Yanmar:** Motor Estacionário e Marítimo.

STARTERS:
Bosch: 9-000-083-045 / 052 / 063 / 066, 9-000-453-075 / 086.

OEM SOLENOID:
Bosch:
9-330-081-036

ZM 567 12V



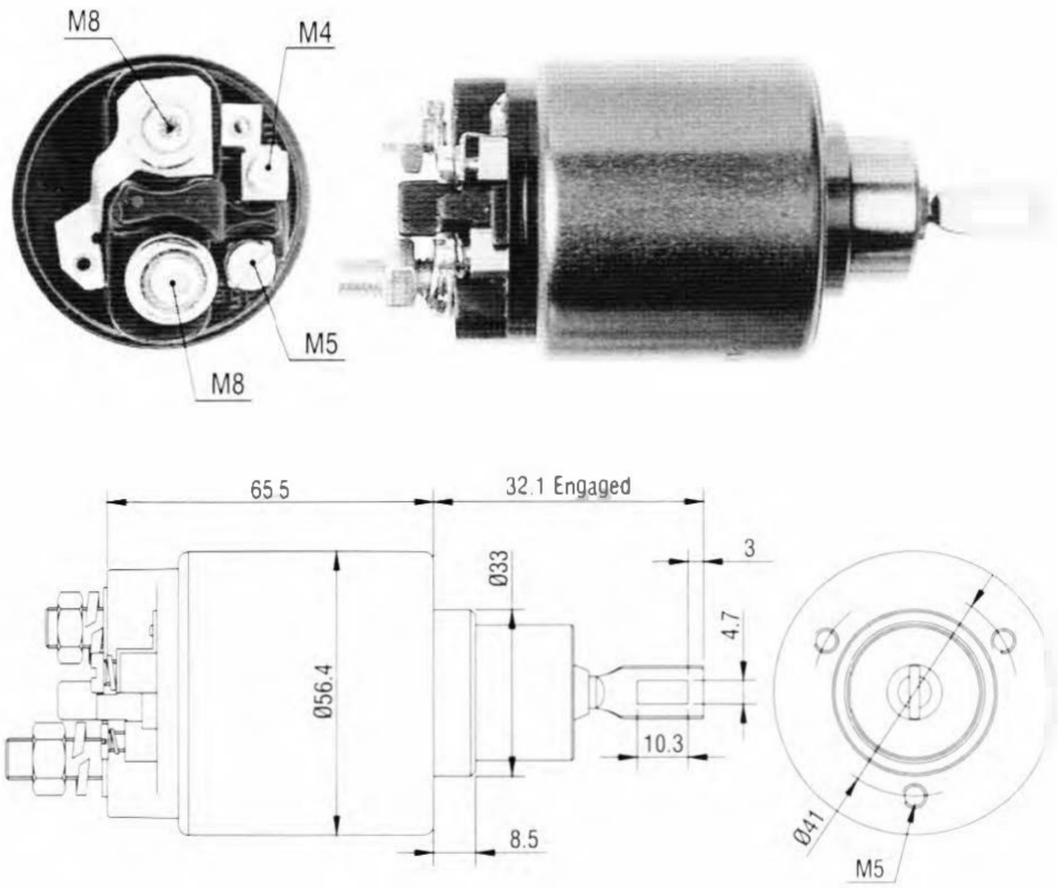
USED ON:
Ford Corcel I e II (→03.78), VW Sedan, Kombi, Karmann Ghia, JK 2000, Vemaguete, Belcap, Agrale com Motores Estacionários M70, M80, M85, M90 (→07.77).

STARTERS:

OEM SOLENOID:
Bosch:
9-330-081-034

ZM 571 12V

CAP ZM 571.91



USED ON:
Agrale: Caminhão TX 1100, Motor estacionário M70/80/85/90, M93ID **Ford:** Corcel II, Belina II, Del Rey, Pampa, Scala (1.6 CHT), Escort Hobby 1.3/1.6 CHT, Verona LX 1.6, Royale 1.8/2.0, Versailles 1.8/2.0. **VW:** Gol, Sedan, Brasília (todos 1.3/1.6), Saveiro 1.6, Variant II, Voyage, Parati 1.5 /1.6, Karmann Ghia TC, Kombi 1600, Passat 1.5/1.6, Transporter 1.6, Gol GT 1.8, GTS, Parati 1.8, GTS, Santana e Quantum 1.8/2.0, Voyage 1.8. **Gurgel:** Sedan, Multimini. Mercedes, Audi, Porsche, Peugeot.

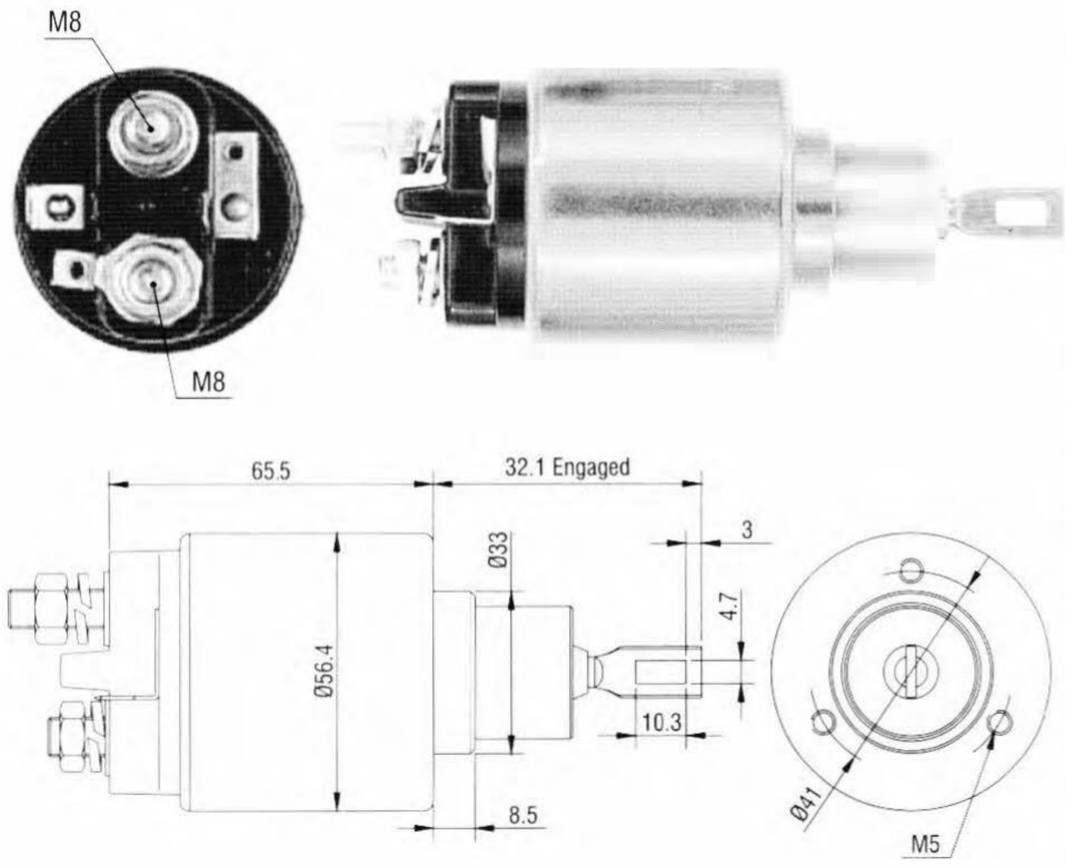
STARTERS:
Bosch: 0-001-208-200 / 201 / 208, 0-001-211-213 / 214 / 216 / 217 / 218 / 219, 0-001-311-118 / 122 / 136 / 137, 0-001-314-002 / 018 / 033 9-000-082-025 / 028 / 030 / 032 / 034 / 035 / 041 / 042 / 043 / 045 / 046 / 047 / 049 / 050 / 051 / 054 / 057 / 060 / 065 / 073.

OEM SOLENOID:
Bosch:

0-331-303-003	0-331-303-010	0-331-303-040	9-330-081-039
0-331-303-007	0-331-303-015	0-331-303-503	

ZM 572 12V

CAP ZM 573.91



USED ON:
General Motors: Kadett 2.0, Monza 2.0 e 2.0i.

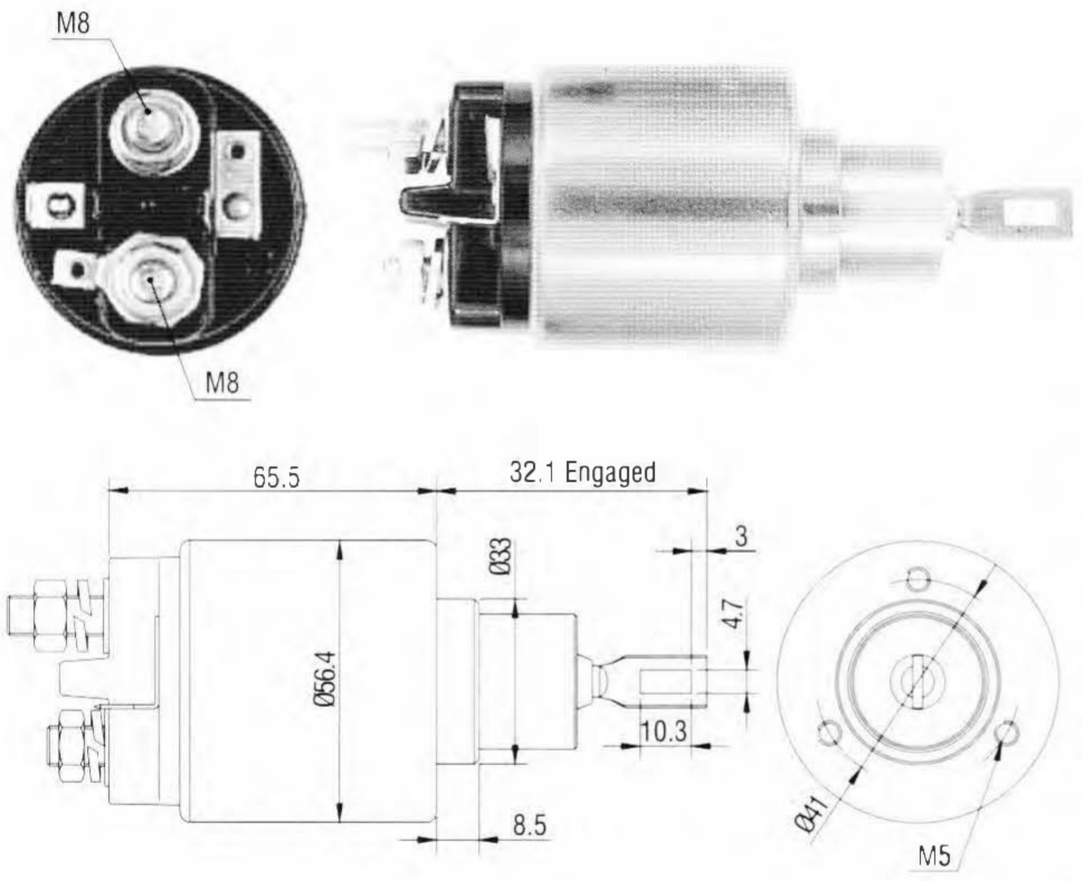
STARTERS:
Bosch: 9-000-082-058.

OEM SOLENOID:
Bosch:
9-330-081-041

BOSCH

ZM 573 12V

CAP ZM 573.91



USED ON:
Fiat 147, Fiorino, Oggi, Panorama, Prêmio 1300, Spazio, Uno 1500, 1300 Alfa Romeo Spider, Belina, GT Veloce, Alfetta, Volkswagen Scirocco, Audi 5000, 4000 Coupe, Dasher (Diesel), Rabbit, Jetta (Diesel).

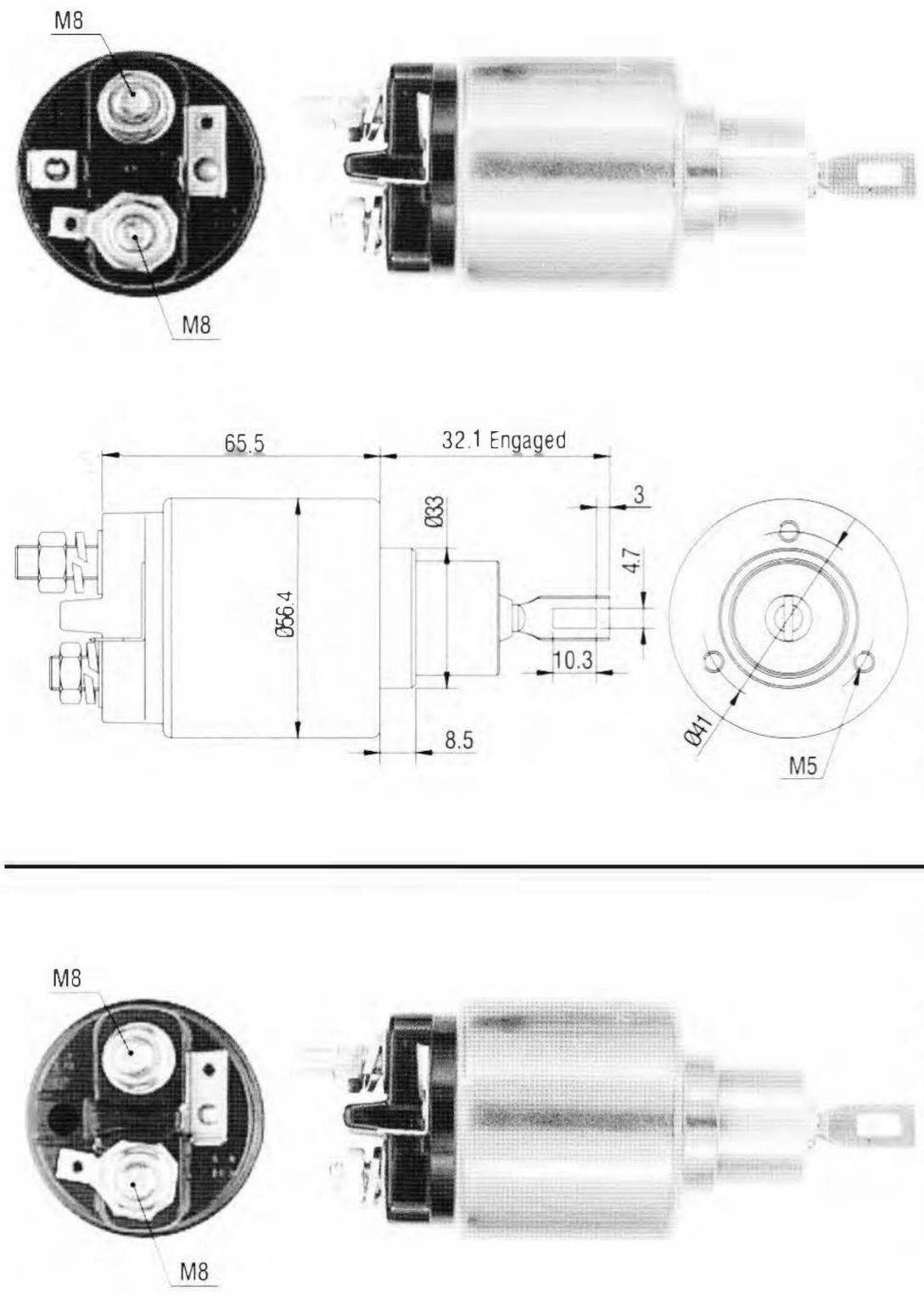
STARTERS:
Bosch: 0-001-107-003, 0-001-108-001 / 002 / 005 / 007 / 009 / 010 / 014 / 026 / 027 / 047 / 048 / 072 / 076 / 094 / 095 / 101 / 107 / 137 / 153, 0-001-110-001 / 002 / 014 / 015 / 029 / 030 / 031 / 033 / 042 / 061 / 063, 0-001-112-003 / 008, 0-001-114-006 / 009 / 015 / 024 0-001-208-411 / 412 / 414...419 /516 / 707 / 709...714, 0-001-211-207 / 223 / 224 / 233 / 234 / 235 / 236 / 247 / 248 / 255 / 256 / 500...505, 0-001-311-110 / 133 / 140...143, 0-001-314-012...015 / 046.

OEM SOLENOID:

Bosch:	0-331-303-029	0-331-303-070	9-330-081-040
0-331-303-002	0-331-303-041	0-331-303-071	**Volkswagen:**
0-331-303-013	0-331-303-059	0-331-303-112	026-911-287
0-331-303-024	0-331-303-068	0-331-303-502	

ZM 574 12V

CAP ZM 574.91



USED ON:
Alfa Romeo: Alfa 2300B, 1300TI e 2300D (09.82→). **Fiat:** 147, Oggi, Panorama, Pick-up e Spazio 1.1 e 1.3 (01.73→12.86), Elba, Fiorino, Prêmio, Prêmio 1.5 e Uno 1.3, 1.5, 1.6 (10.85→), Tempra Prata-Ouro 2.0 e 2.0 16V (11.91→), Uno Mille, Uno Mille Eletronic, Uno Mille ELX, e Uno Mille EP (01.91→04.94). **General Motors:** Chevette, Chevette Hatch, Marajó, Chevy 500 e Chevette Junior 1.6 (01.83→12.92). BMW, Saab,

STARTERS:
Bosch: 0-001-108-012 / 030 / 038 / 088 / 089 / 091 / 092, 0-001-311-100 / 125, 0-001-314-025, 9-000-082-021/ 033 / 039 / 040 / 048 / 052 / 053 /061 / 066.

OEM SOLENOID:
Bosch:

0-331-303-008	9-330-081-046	**Saab:**	**Volvo:**
0-331-303-033	**BMW:**	75 27 856	1363546-1
0-331-303-074	12-41-1-273-228		

ZM 575 12V

CAP ZM 575.91

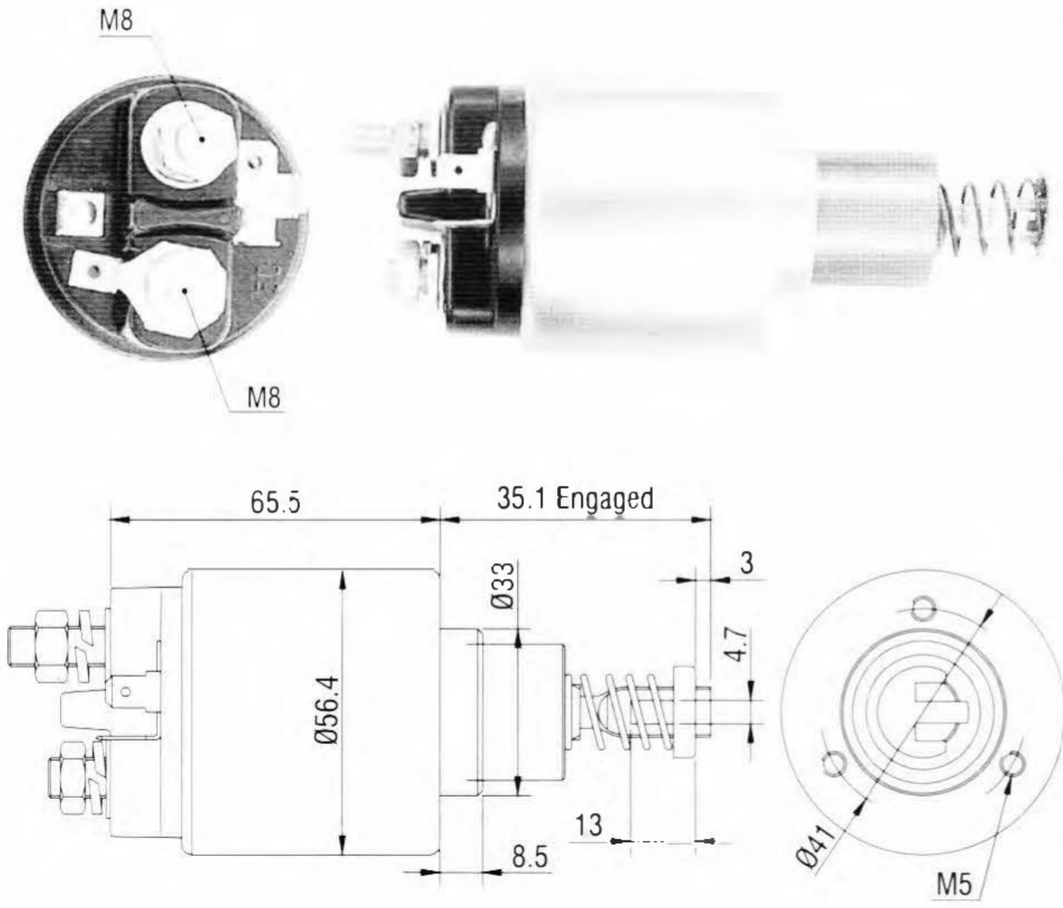
USED ON:
BMW, Seat, Fiat, Lancia, Vauxhall, Opel.

STARTERS:
Bosch: 0-001-110-005 / 012, 0-001-208-204 / 408 / 410, 0-001-311-129.

OEM SOLENOID:
Bosch:
0-331-303-006
0-331-303-026
0-331-303-506

ZM 576 12V

CAP ZM 576.91



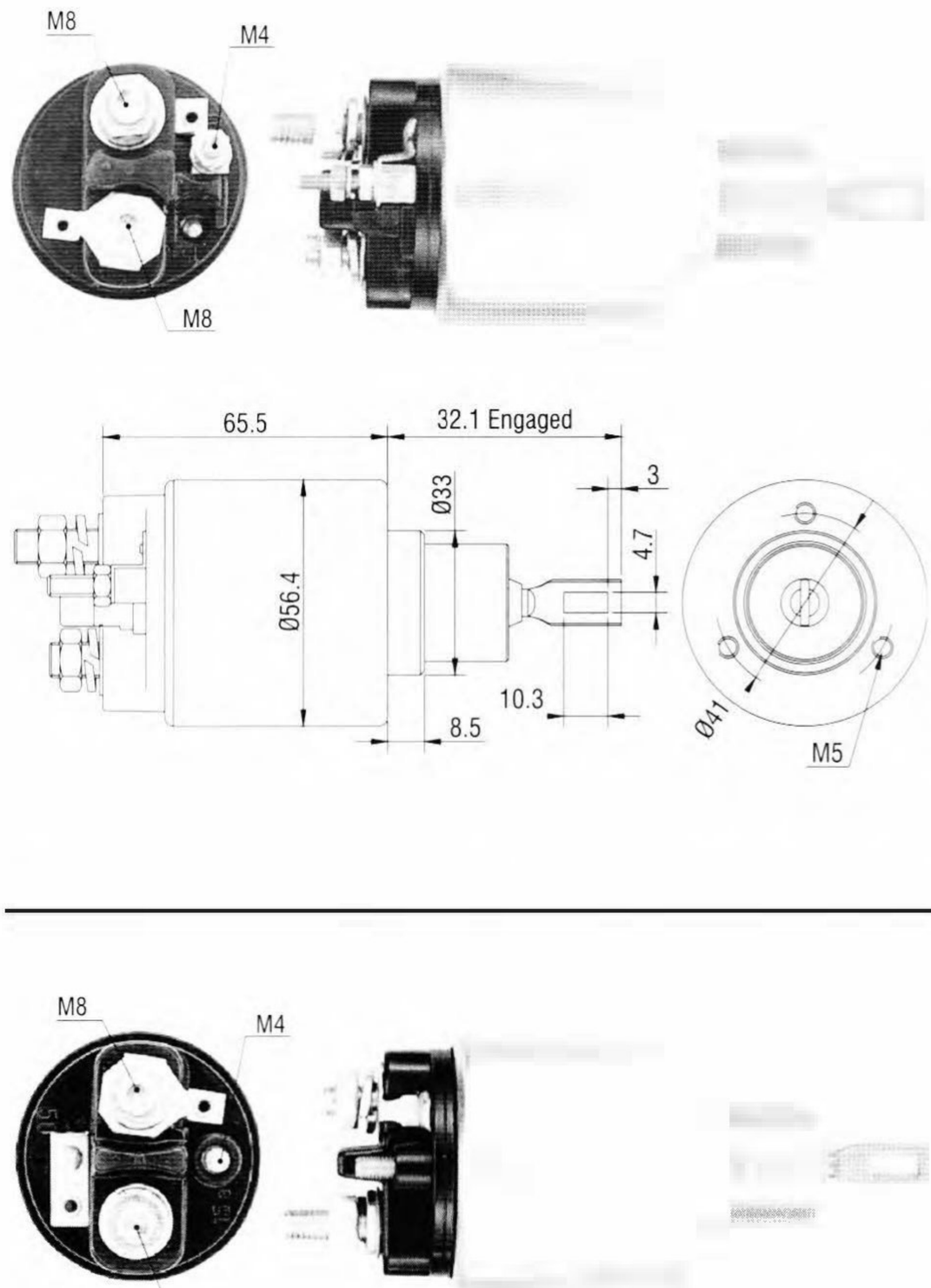
USED ON:
Volkswagen Cabriolet, Dascher, Rabbit (Diesel), Audi 5000, Vanagon, Caddy 1.6 (08.83→09.92), Golf 1.5 (06.74→07.83), Golf 1.6 Type I, II (08.75→07.92), Jetta 1.5 (09.79→12.83), Jetta 1.6 (08.79→07.92), Scirocco 1.5 (08.77→12.83), Scirocco 1.6 (08.75→07.92).

STARTERS:
Bosch: 0-001-212-204 / 205 / 206 / 207 / 400 / 401, 0-001-312-106 / 107, 0-001-317-008 / 012 / 015 / 021 / 024.

OEM SOLENOID:
Bosch:
0-331-303-004 0-331-303-073
0-331-303-009
0-331-303-018

ZM 577 12V

CAP ZM 577.91



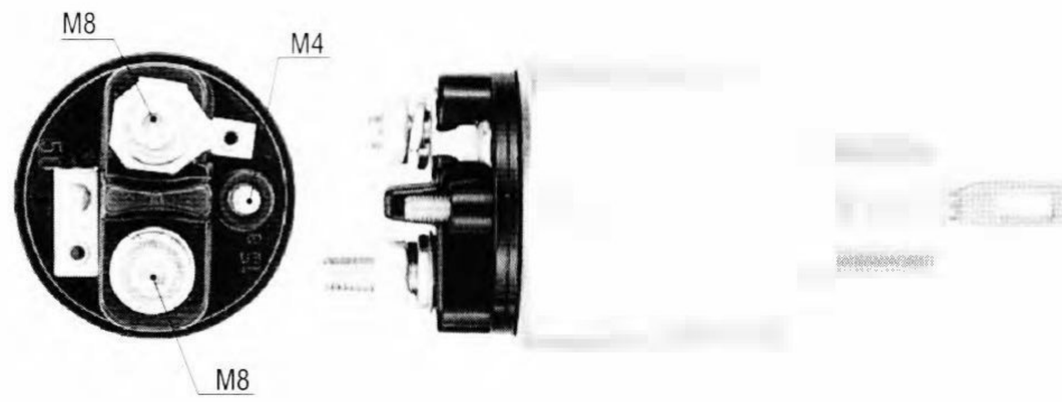
USED ON:
Dodge Aries, 400, 600, Laser, Caravan, Spirit, Mini Ram Van, Charger, Lancer, Omni, Shadow, Dakota, Daytona, Chrysler Lebaron, TC, Claas, New Yorker, Limo, Plymouth Caravelle, Reliant, Voyager, Tourismo, Horizon, Sundance, Acclaim.

STARTERS:
Bosch: 0-001-108-013 / 032 / 045, 0-001-208-413.

OEM SOLENOID:
Bosch:
0-331-303-020
0-331-303-520

ZM 578 12V

CAP ZM 578.91



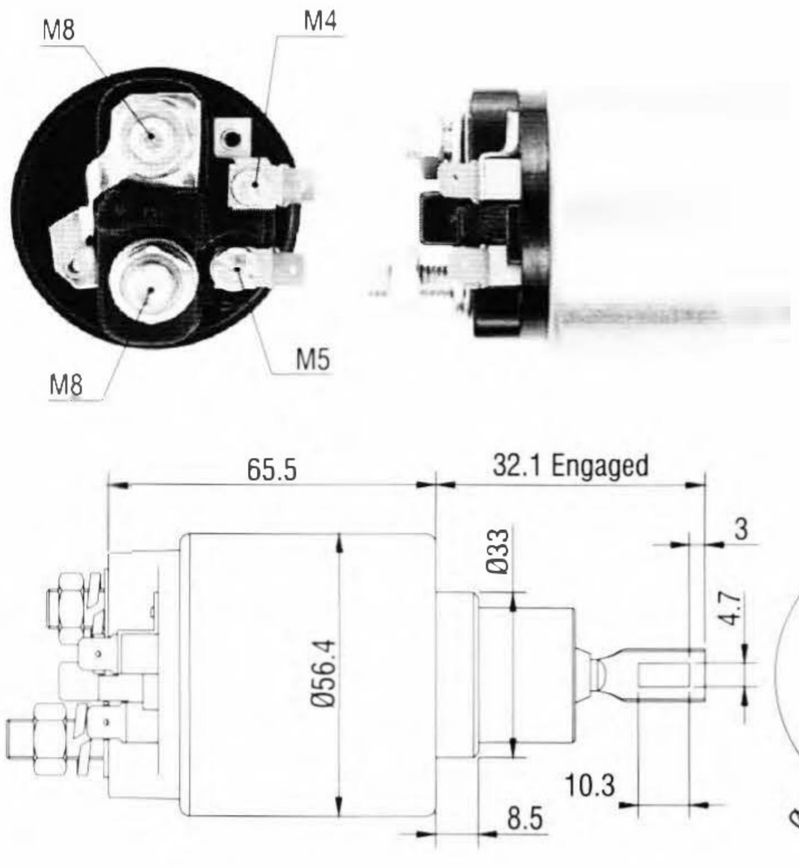
USED ON:
Fiat: Ritmo 65, 75, X 1/9 1500, Fiat 1500. **Ford:** Capri 1.3, 1.6, 2.8i T, Cortina 1300, 1600, 2000, 1.6, 2.0, Escort 1300, 1.0, 1.1, 1.3, 1.6, Sierra 1.6, 1.8, 2.0, 2.0i, 2.8, Granada 1.6, Taunus 1300, 1600, 1.3, 1.6, Transit FT 80, 100, 120, Transit 80, 100, 120, 130, 190, 6/8 cwt. Van. **Lancia:** Delta 1.5 Kombi, Prisma 1.3, 1500. Toro, Mercury.

STARTERS:
Bosch: 0-001-108-004 / 019 / 020 / 039, 0-001-208-219 / 501 / 513, 0-001-211-206 / 227 / 228 / 242 / 246 / 512 / 513, 0-001-311-107 / 121.

OEM SOLENOID:
Bosch:
0-331-303-005 0-331-303-031
0-331-303-016
0-331-303-028

ZM 580 12V

CAP ZM 580.91



Note: Similar to ZM 571 with male spade terminal.
Nota: Similar ao ZM 571 com terminal espada.

USED ON:
Agrale: Caminhão TX 1100, Motor estacionário M70/80/85/90, M93ID **Ford:** Corcel II, Belina II, Del Rey, Pampa, Scala (1.6 CHT), Escort Hobby 1.3/1.6 CHT, Verona LX 1.6, Royale 1.8/2.0, Versailles 1.8/2.0. **VW:** Gol, Sedan, Brasilia (todos 1.3/1.6), Saveiro 1.6, Variant II, Voyage, Parati 1.5 /1.6, Karmann Ghia TC, Kombi 1600, Passat 1.5/1.6, Transporter 1.6, Gol GT 1.8, GTS, Parati 1.8, GTS, Santana e Quantum 1.8/2.0, Voyage 1.8. **Gurgel:** Sedan, Multimini. Mercedes, Audi, Porsche, Peugeot.

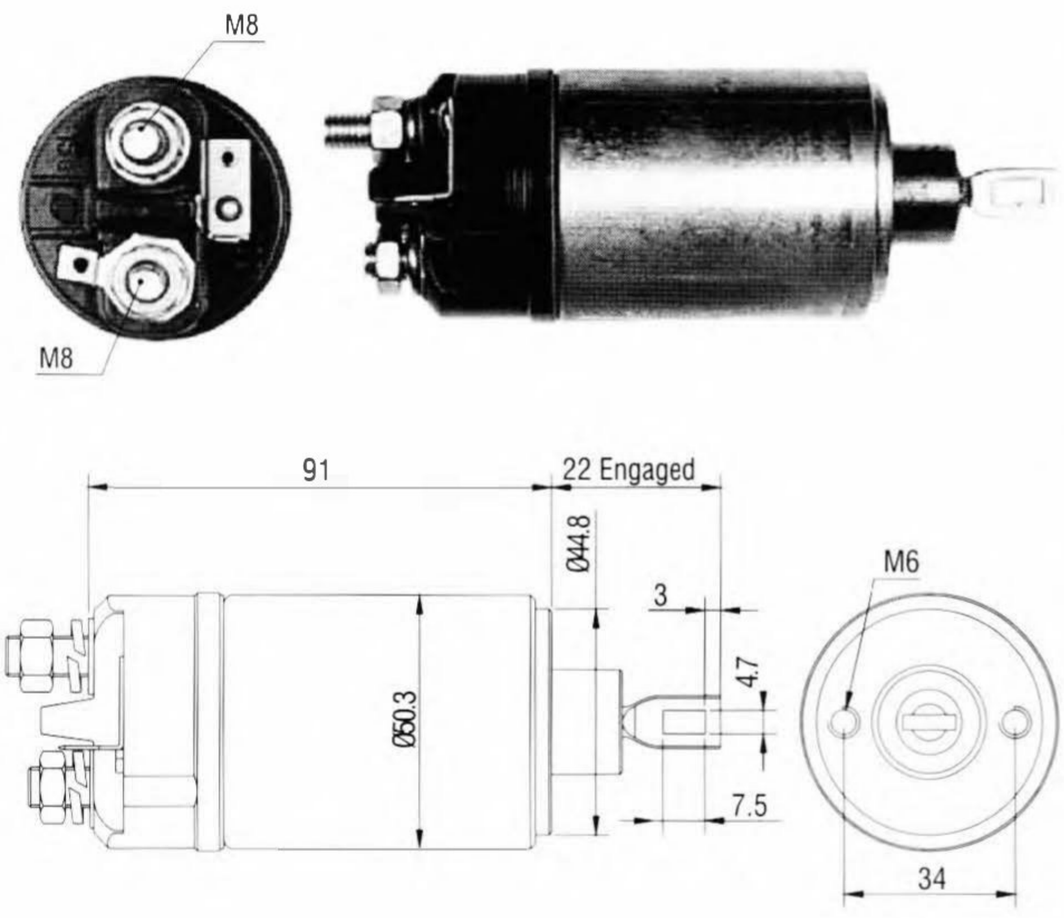
STARTERS:
Bosch: 0-001-208-200 / 201 / 208, 0-001-211-213 / 214 / 216 / 217 / 218 / 219, 0-001-311-118 / 122 / 136 / 137, 0-001-314-002 / 018 / 033 9-000-082-025 / 028 / 030 / 032 / 034 / 035 / 041 / 042 / 043 / 045 / 046 / 047 / 049 / 050 / 051 / 054 / 057 / 060 / 065 / 073.

OEM SOLENOID:
Bosch:

0-331-303-003	0-331-303-010	0-331-303-040	9-330-081-039
0-331-303-007	0-331-303-015	0-331-303-503	

ZM 621 6V

CAP ZM 621.96



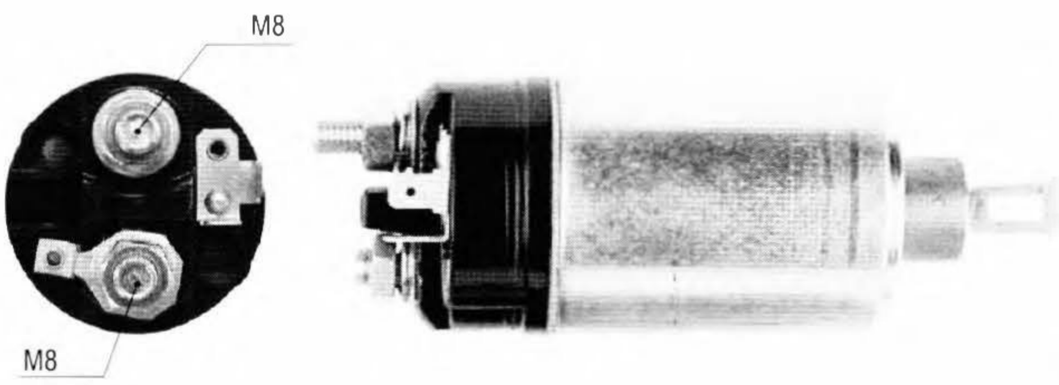
USED ON:
Audi, BMW, Porsche, Volkswagen 1200, 1200A, 1300, 1300A.

STARTERS:
Bosch: 0-001-207-016 / 017 / 018 / 019, 0-001-209-001 / 006 / 014, 0-001-310-005 / 008 / 023.

OEM SOLENOID:
Bosch:
0-331-302-001 0-331-302-005
0-331-302-002
0-331-302-004

ZM 622 12V

CAP ZM 521.96



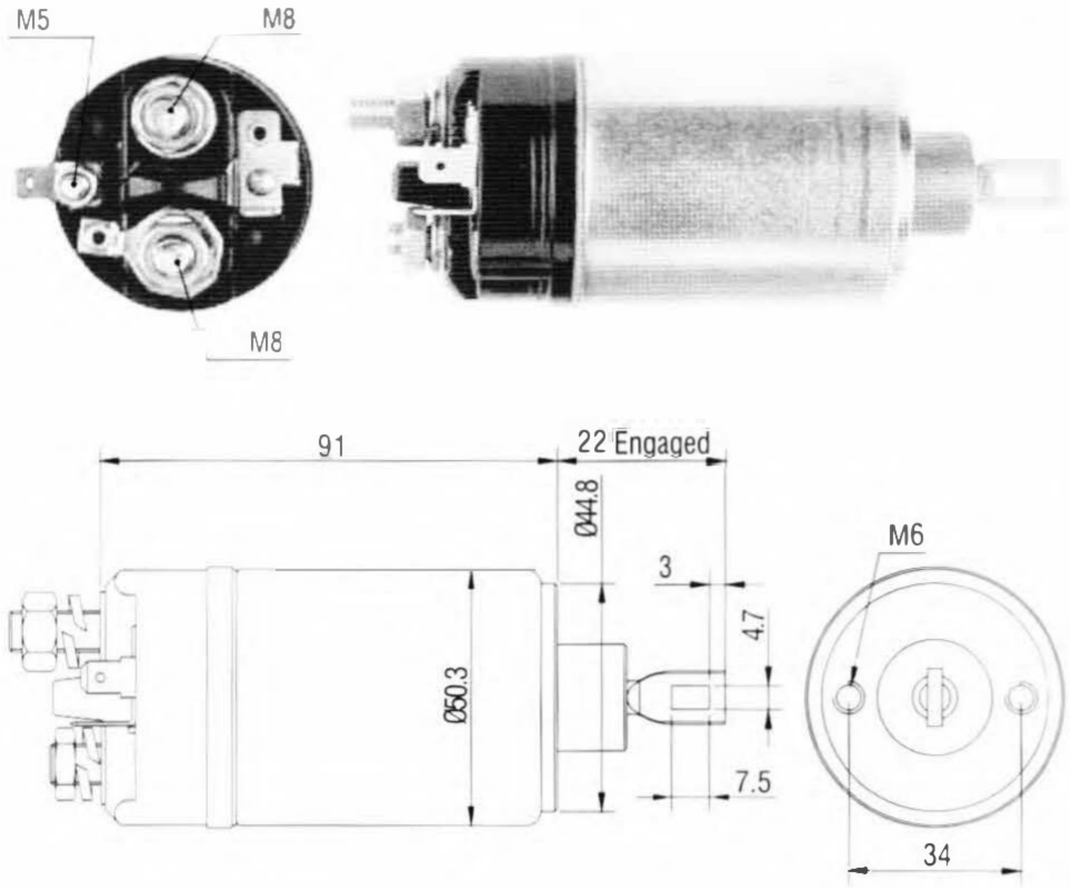
USED ON:
Porsche, Saab, Volkswagen and Volvo.

STARTERS:
Bosch: 0-001-211-013, 0-001-311-001 / 027 / 114 / 127.

OEM SOLENOID:
Bosch:
0-331-302-034

ZM 623 12V

CAP ZM 623.96



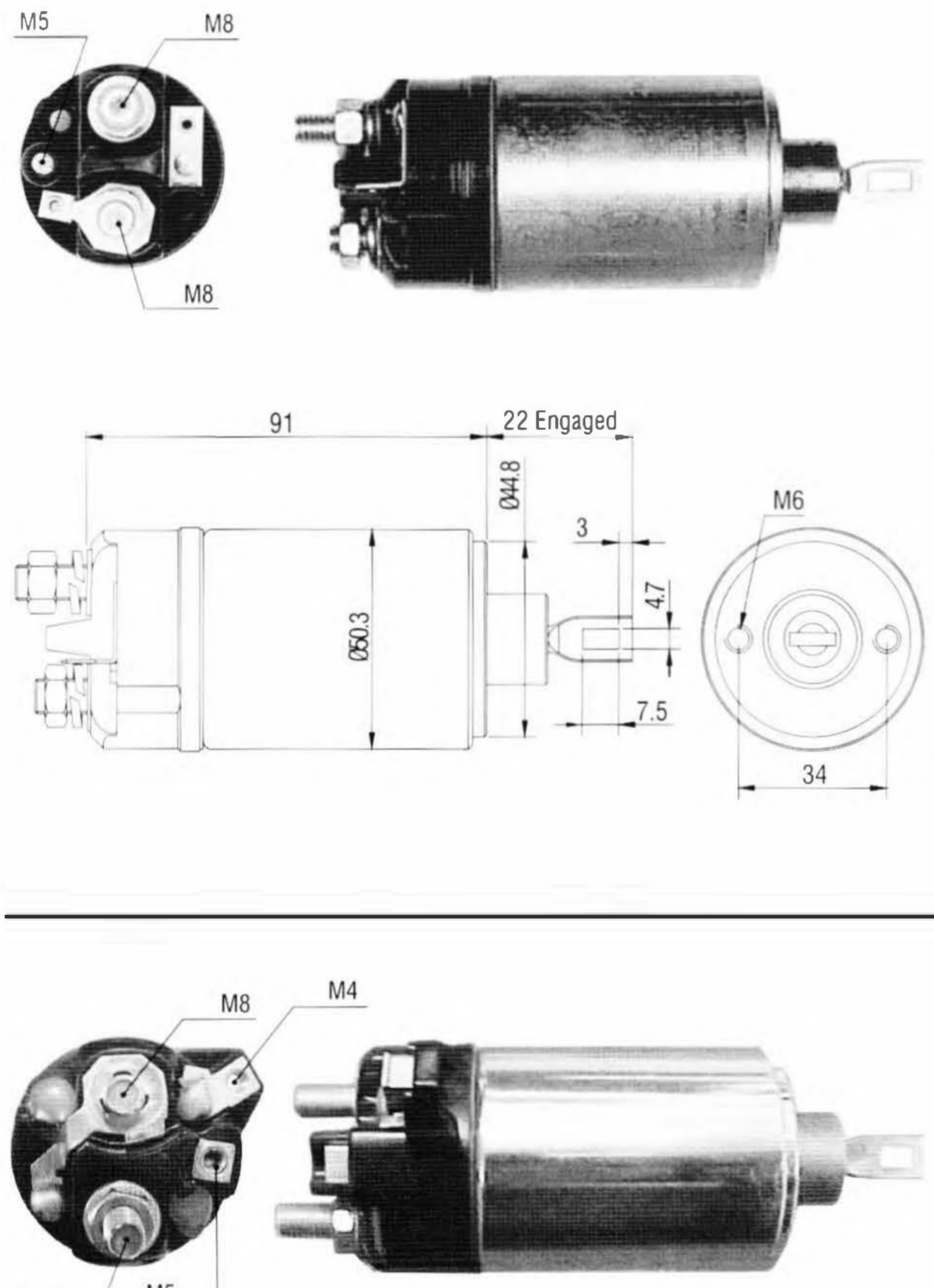
USED ON:
Ford: Capri 2.0, 2.3, 2.6, 2.8i, Consul 1.7 V4, Granada 1.7, 2.0 V6, 2.3, 2.6, 2.8, 2.8i, Sierra 2.0, 2.3, 2.8 Xr4i, Taunus 2.0, 2.3, Transit FT 75, 100, 120, 125, 130, 150, 160, 175, 190, FT 600, FT 900, FT 1000, FT 1100, FT 1300, FT 1500, FT 1750. **Lamborghini:** L20, 8 LD Series, 9 LD Series, 900 Series, 11 LD 535.3. **Saab:** 95, 96, V4, 95L, 96L. Porsche, Audi, Volkswagen.

STARTERS:
Bosch: 0-001-208-030, 0-001-211-018 / 023, 0-001-311-023.

OEM SOLENOID:
Bosch:
0-331-302-033

ZM 624 12V

CAP ZM 624.96



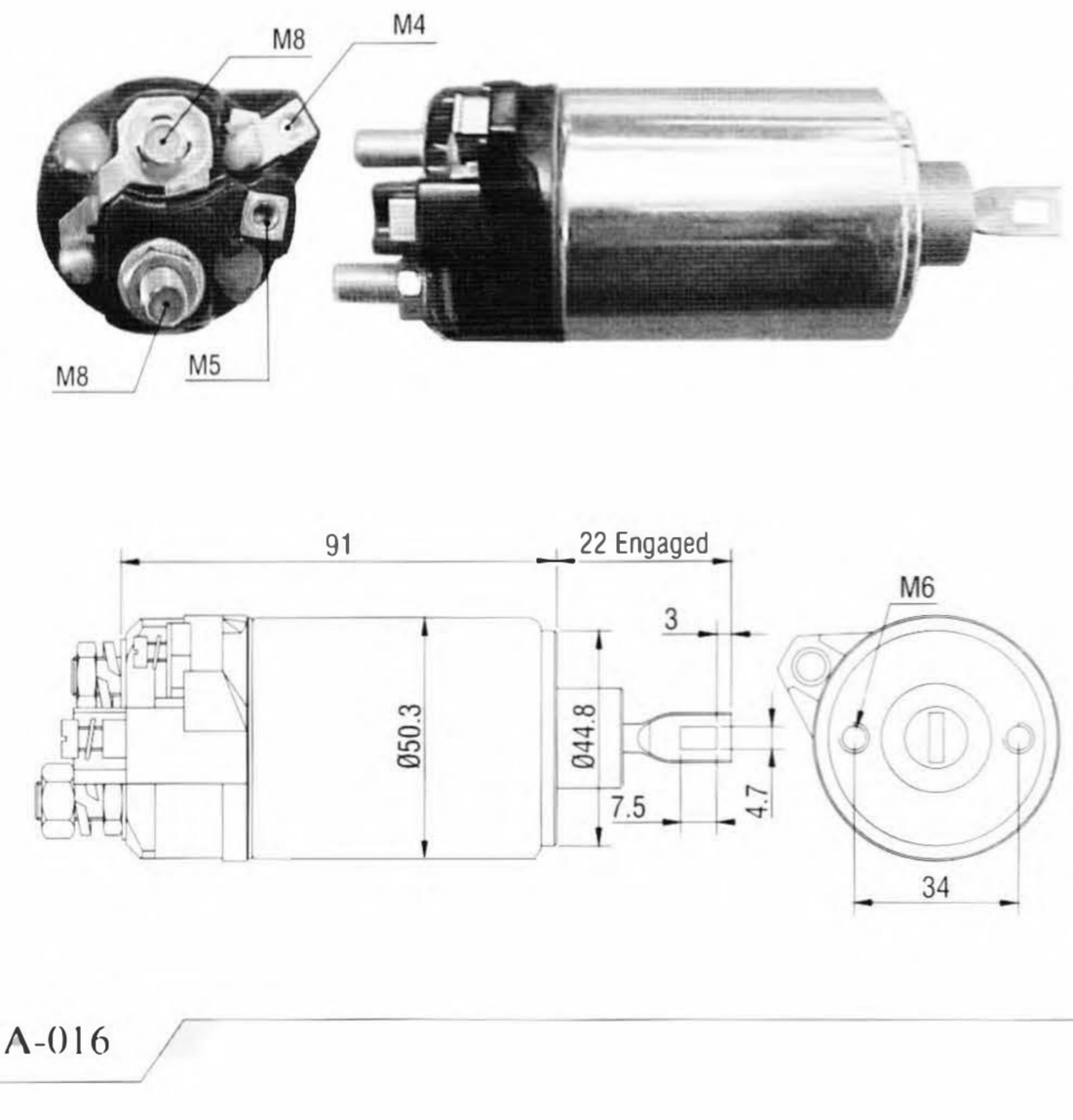
USED ON:
Ford: Capri 1.6, Consul 2.0, Granada 2.0, 2.0i, Scorpio 1.8, 2.0, 2.0i, P 100 1.6, Sierra 1.6, 2.0, Taunus 1.6, 2.0, Transit 80, 100, 120, 130, 190 (1.6 OHC), Transit 80, 100, 120 (2.0 OHC), Transit 80, 190(2.0i OHC). **Volvo:** Amazon 121, 122S, 123GT, 130, Volvo 240 Series 1.8, 2.0, 2.0i, 2.1, 2.1i, 2.3, 2.3i, Volvo 260, Volvo 340 2.0, Volvo 345, Volvo 360 2.0, Volvo 740 2.0i, Turbo, 2.3i, Volvo 760 2.0, 2.3, 2.3i.

STARTERS:
Bosch: 0-001-217-001, 0-001-311-032 / 033 / 034 / 037 / 038 / 048.

OEM SOLENOID:
Bosch:
0-331-302-053

ZM 625 12V

CAP ZM 525.96



USED ON:
Audi: 100 1.8, 1.9, 2.0.
Porsche: 924 2.0.
Volkswagen: LT 28, 31 , 35 2.0.

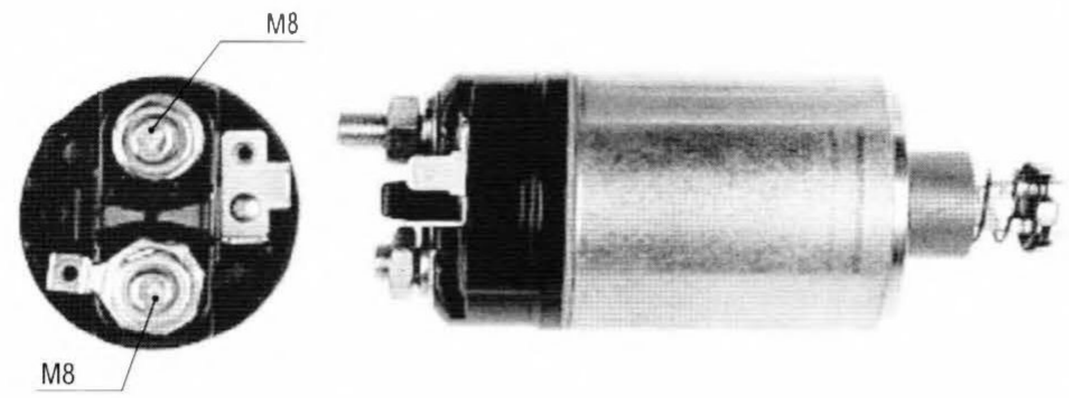
STARTERS:
Bosch: 0-001-208-047 / 056 / 058 / 059.

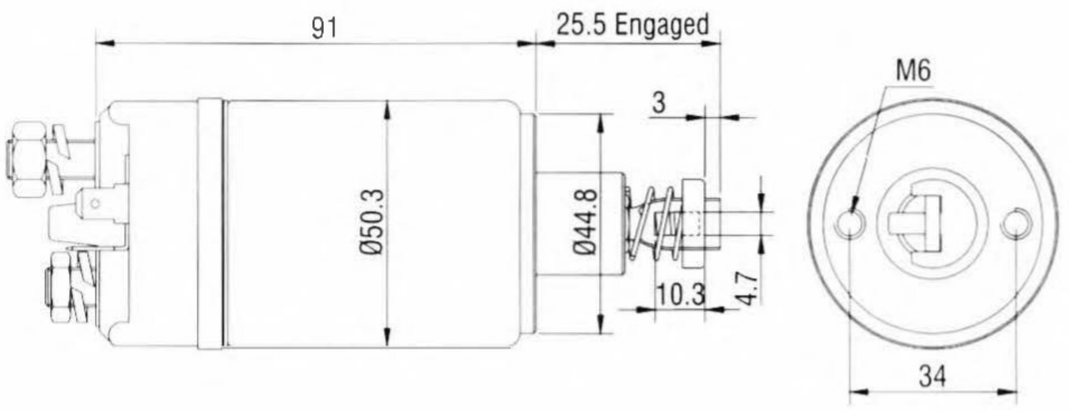
OEM SOLENOID:
Bosch:

0-331-302-003	0-331-302-086
0-331-302-026	0-331-302-094
0-331-302-048	0-331-302-530

ZM 626 12V

CAP ZM 521.96





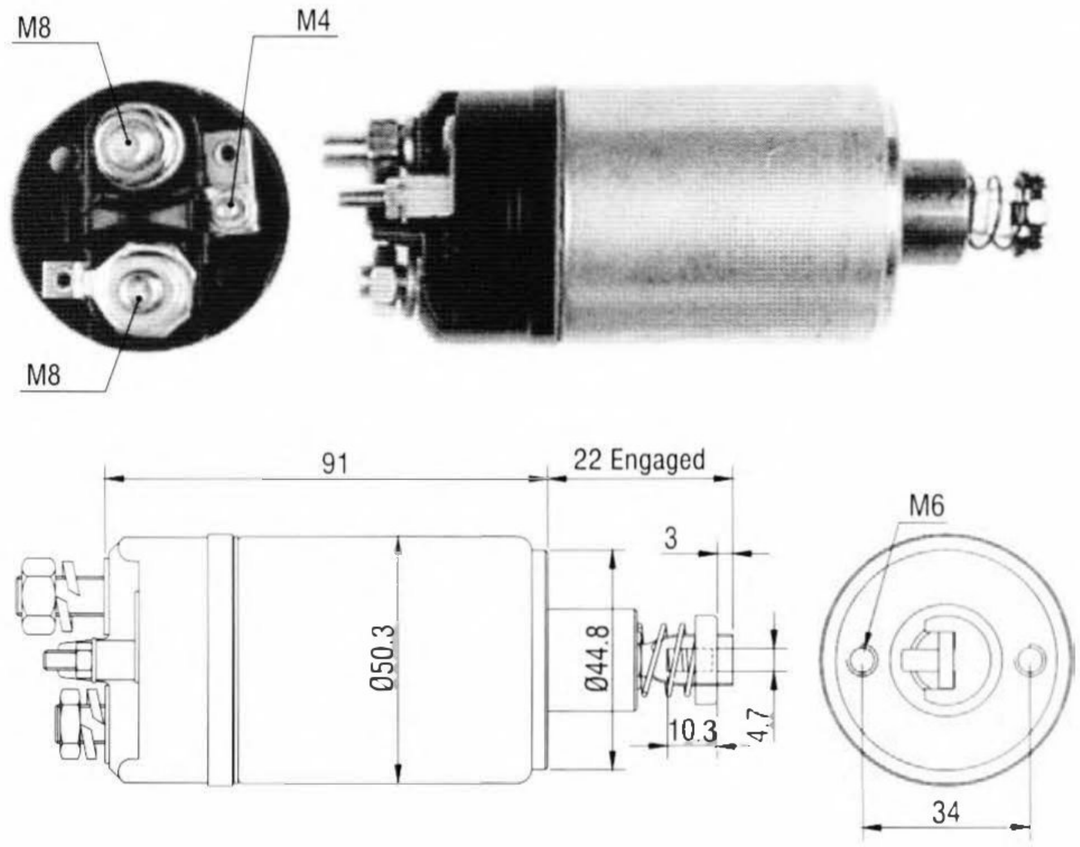
USED ON:
Porsche: 911 2.7, 911 T, 911 3.0 Carrera, 911 3.0 Turbo, 914 1.7, 1.8, 2.0, 914 Coupe, 914/6. **Volkswagen:** Karmann Ghia 1600, 412 1.7 e 1.8, 1200, 1200A, 1200 1.6, 1303 1.3 e1.6, 1302 1.6, 1500, 1600 1.5 e 1.6, Transporter 1.7, 1.8 e 2.0.

STARTERS:
Bosch: 0-001-212-005 / 007 / 012 / 208.

OEM SOLENOID:
Bosch:
0-331-302-024 0-331-302-524
0-331-302-032
0-331-302-074

ZM 627 12V

CAP ZM 627.96



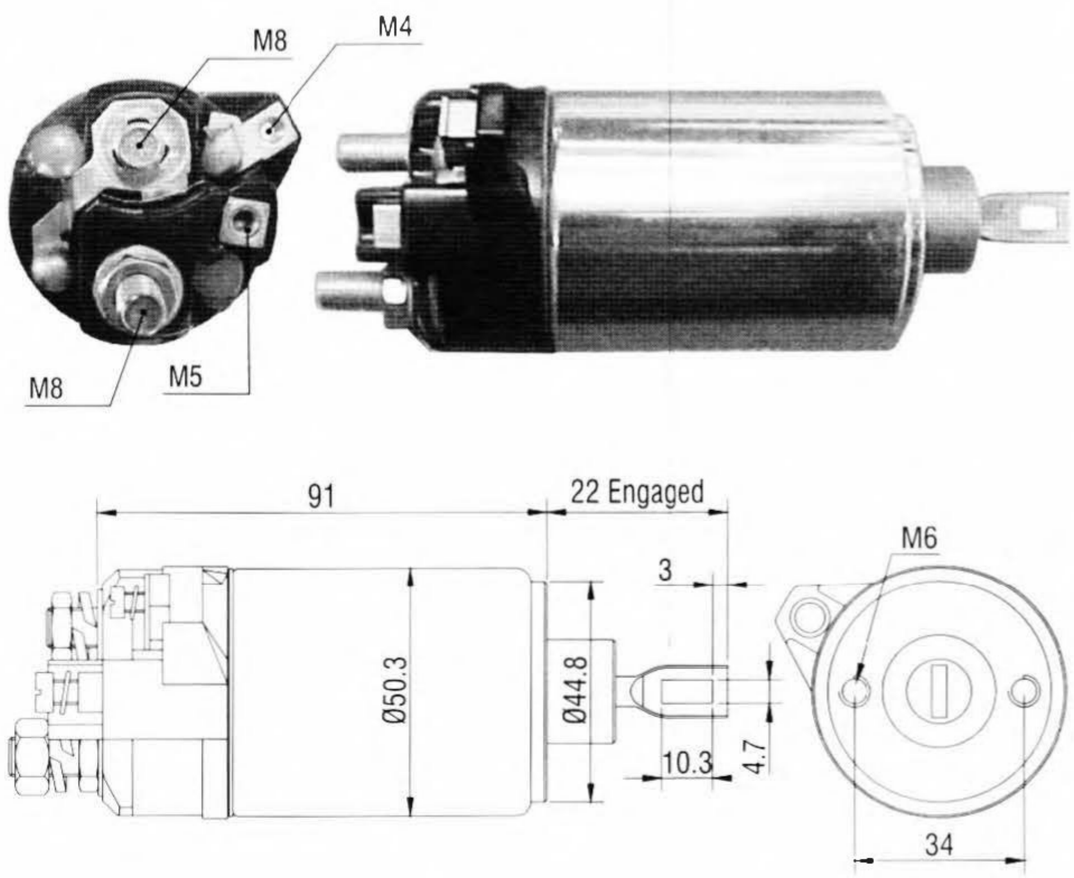
USED ON:
Chrysler, Dodge, Plymouth Horizon.

STARTERS:

OEM SOLENOID:

ZM 628 12V

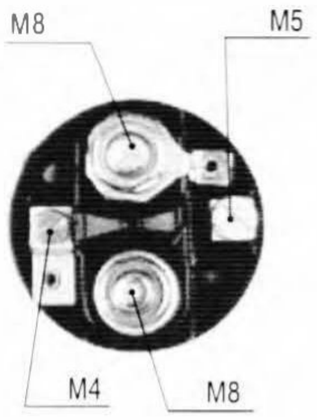
CAP ZM 525.96

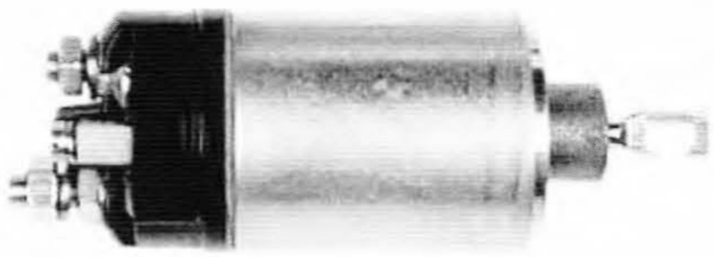


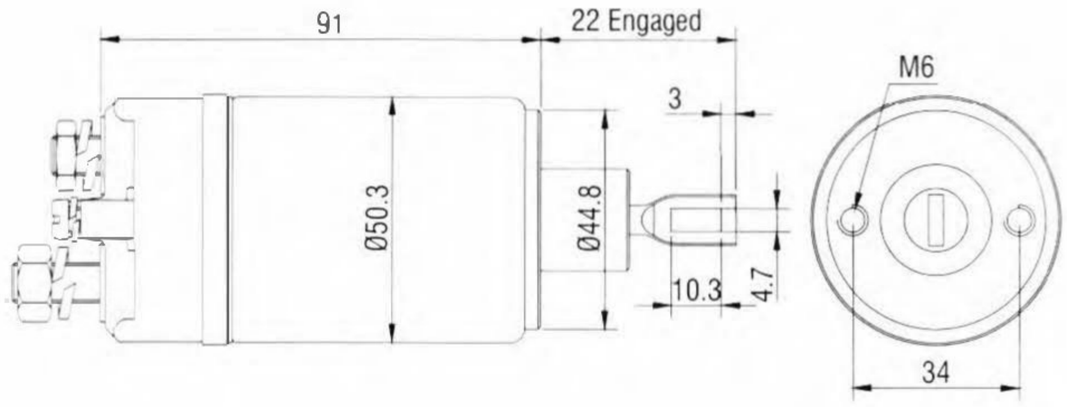
USED ON:
Audi, Porsche, Volkswagem and Mercedes.

STARTERS:
Bosch: 0-001-311-041, 0-001-313-003 / 005 / 006 / 007.

OEM SOLENOID:
Bosch:
0-331-302-050
0-331-302-101
0-331-302-601







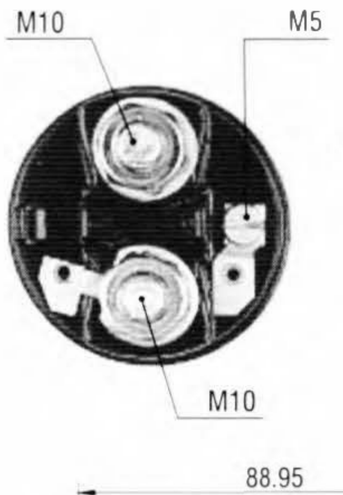
ZM 629 12V

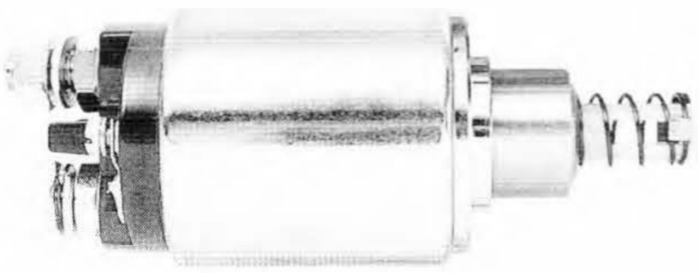
CAP ZM 629.96

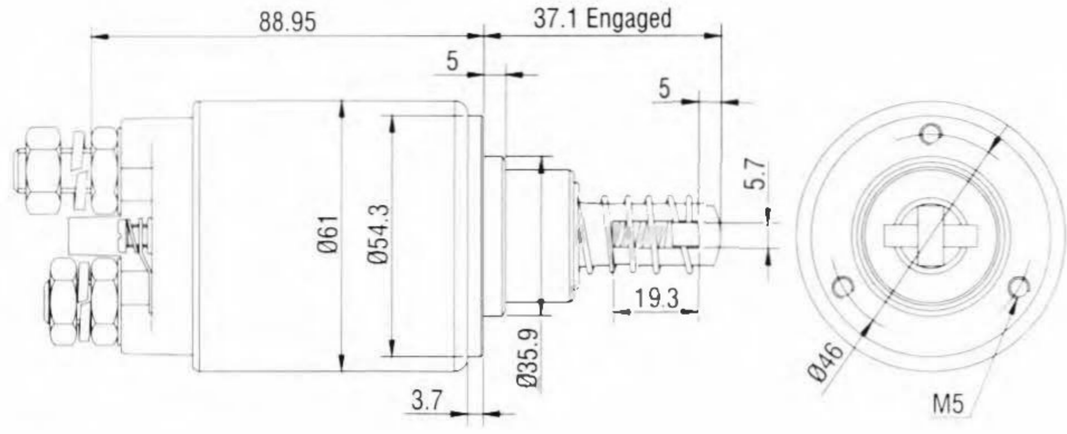
USED ON:
Opel Olimpico 6 Cyl. Ford, Galaxia, Mustang, Falcon, Holden, Chrysler Dort, Coronet, Valiant, **Volkswagen:** Sedan, Kombi, Panel, Hormica.

STARTERS:
Bosch:

OEM SOLENOID:
Bosch:
0-330-041-001
0-330-041-004
9-330-041-001







Note: Similar to ZM 531 with nylon lever.
Nota: Similar ao ZM 531 com garfo de nylon.

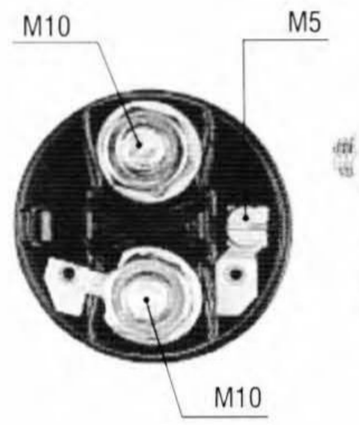
ZM 631 12V

CAP ZM 531.91

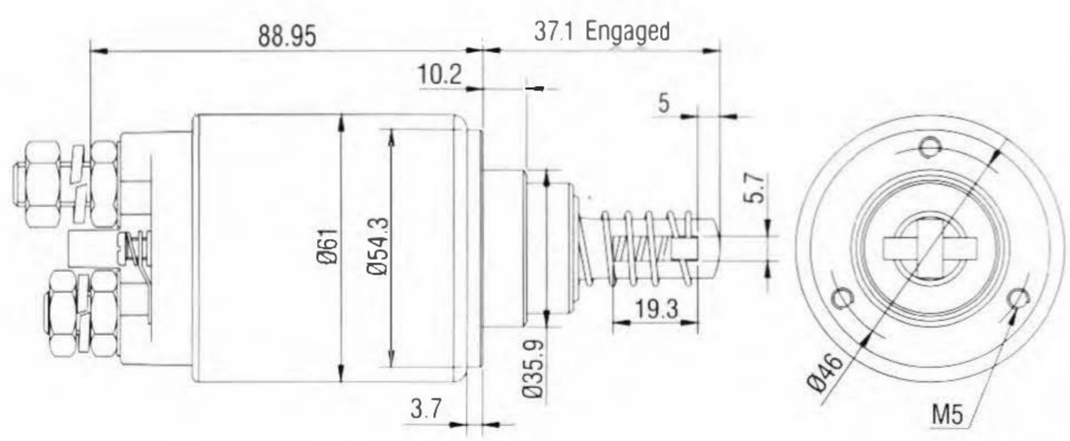
USED ON:
For All "JF" Series Starters. Alfa Romeo, Auto Carro, Saviem, Carraro, Ford, Lamborghini, Same, Cassan, KHD, Man, Hanomag, Opel, Maserati, Bomag, Volvo, Volkswagen, Magirus Deutz Ag, Atlas Copco, Bertolini, Case, Ferrari, IHC, Hlder, Iveco, Massey Ferguson, Slanzi, Mercedes, Hamm, Hatz, Palmieri, Renault, Poclain, Ruggerini, Steyer, Vauxhall, CBT, Cummins, Agrale, J.I.Case, GM, Mercedes Benz, Toyota, Maxion, MWM, Valmet, Yanmar, Ford New Holland.

STARTERS:
Bosch: 9-000-083-027 / 028 / 035 / 036 / 038 / 042 / 053 / 054 / 055 / 056 / 058 / 059 / 067 / 069 / 071 / 072 / 077 / 089.

OEM SOLENOID:
Bosch:
9-330-081-030







ZM 632 12V

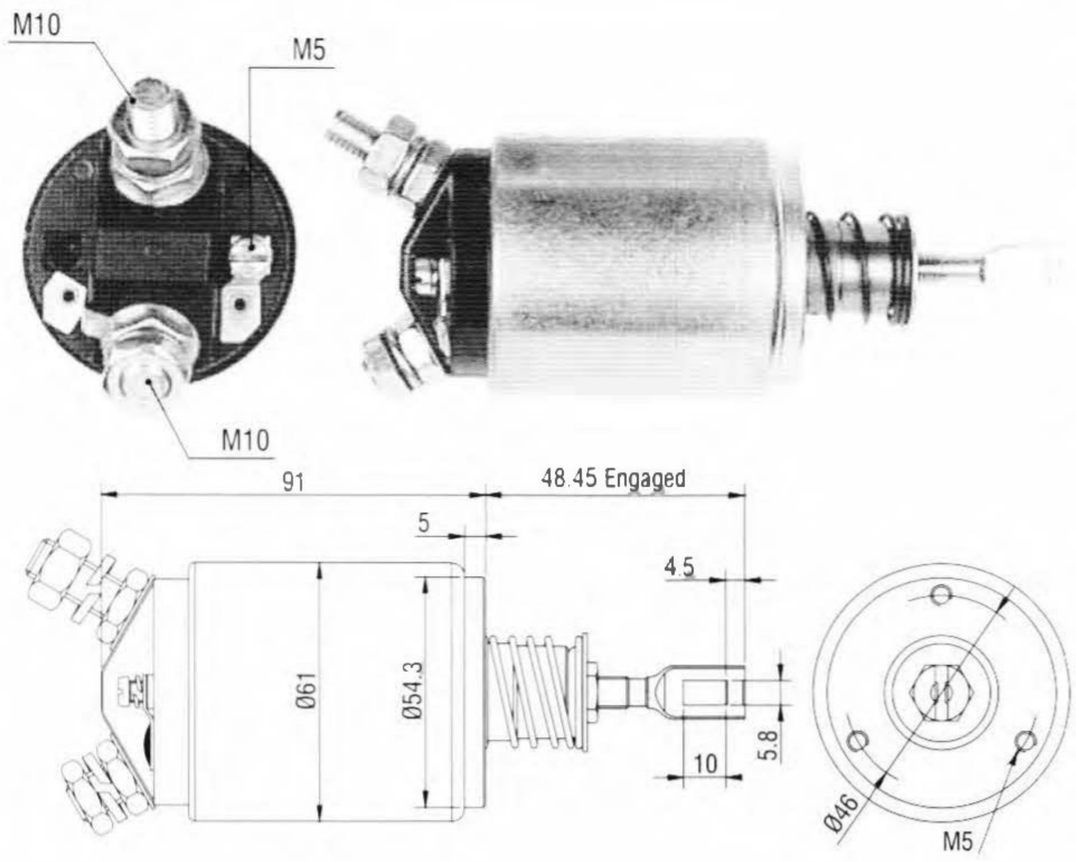
CAP ZM 531.91

USED ON:
Agrale: Caminhão série 600 (MWM TD 299-6) (08.91→). **Müeller:** Tratores TM 12, 14 (MWM TD 229 EC-6) (04.89→). **New Holland:** Tratores Gamalta. **Perkins:** Tratores. **Puma**: Caminhão 900 série 914 (MWM 229-4) (09.95→). **Valmet:** Tratores série 785, 885, 1280, 1580 1780, 985 (MWM-D 229) (09.90→), Tratores 685-885, 980-1780 (MWM-D 229) (08.92→).

STARTERS:
Bosch: 9-000-453-080 / 082 / 091.

OEM SOLENOID:
Bosch:
9-330-451-094

ZM 633 12V



USED ON:
IHC, Mercedes, Thermo King, Volvo.

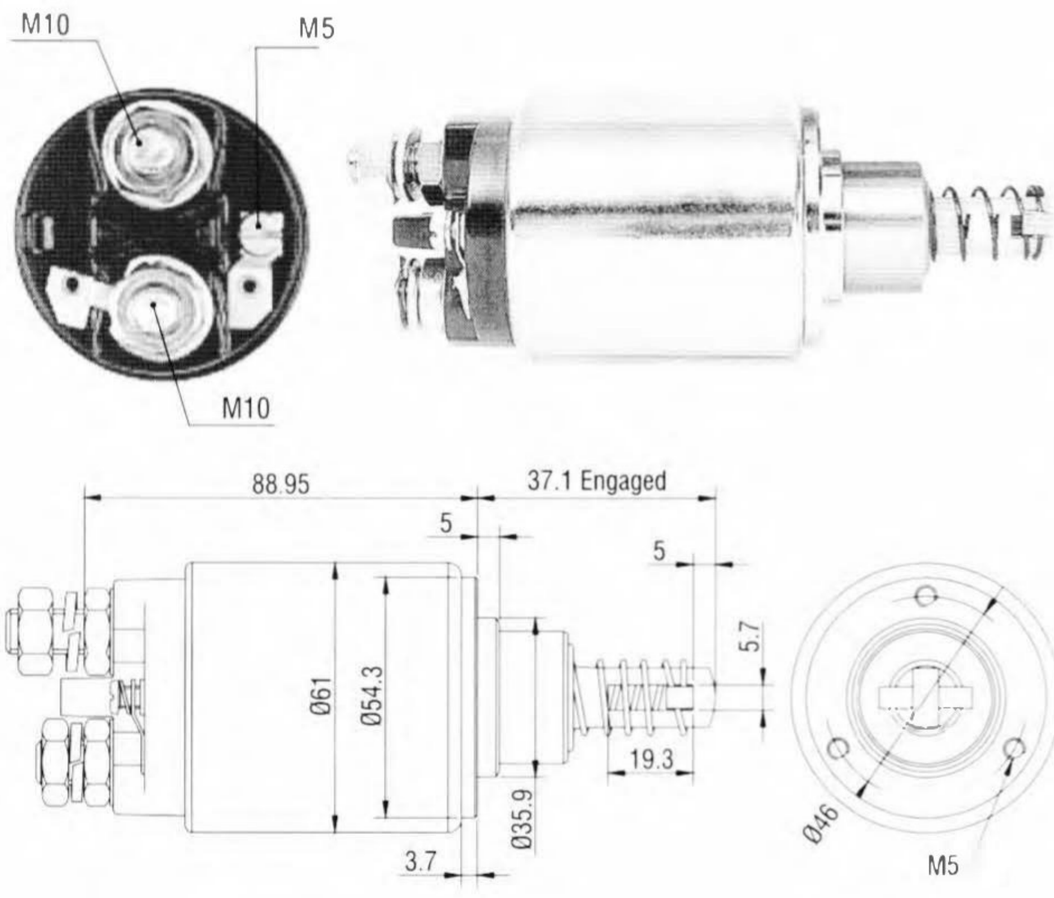
STARTERS:
Bosch: 0-001-354-016 / 018 / 031 / 080 / 085.

OEM SOLENOID:
Bosch:
0-331-400-008
0-331-400-068
0-331-401-015

Thermo King:
44-964

ZM 636 24V

CAP ZM 531.91



Note: Similar to ZM 536 with nylon lever.
Nota: Similar ao ZM 536 com garfo de nylon.

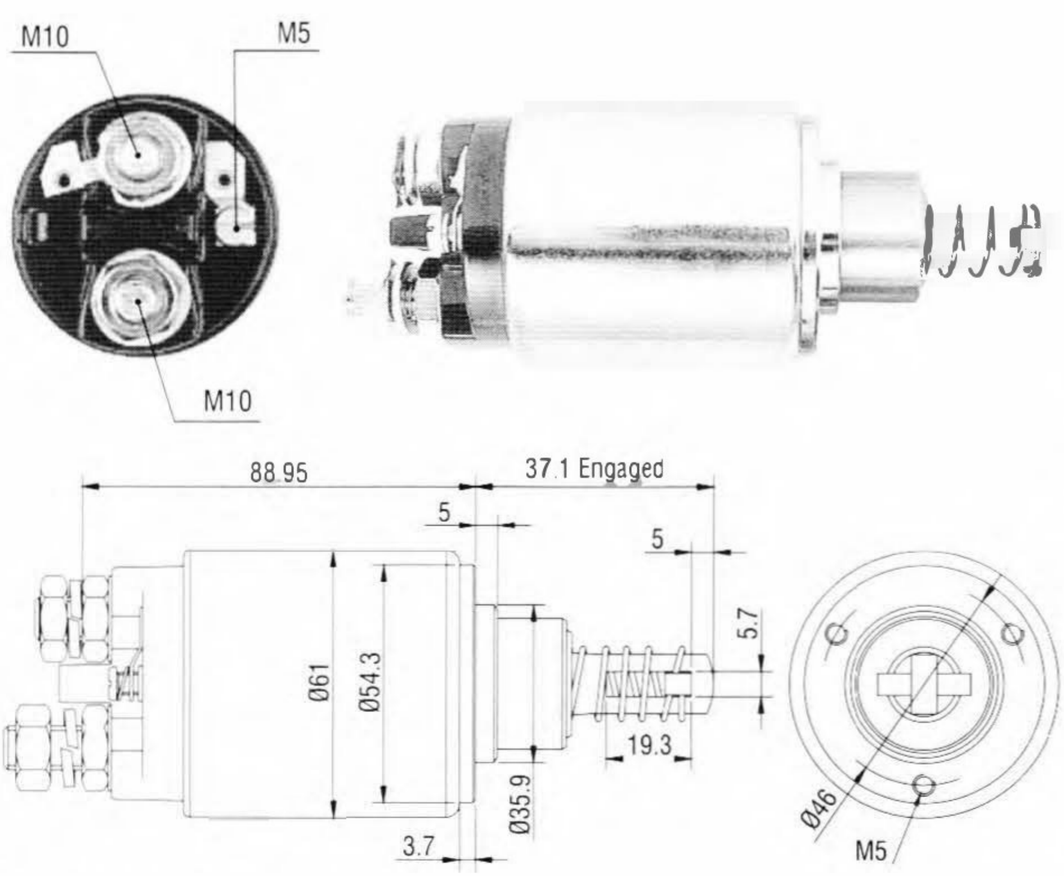
USED ON:
Cummins: Motor 6 BT 5,9L. **Fiat:** Caminhões Fiat 80, 120, 140. **Iveco:** Caminhão 150 T. **VME:** Pá Carregadeira L 30. **Maxion:** Retroescavadeira. **Mercedes Benz:** Caminhões 1214, 1218, 1414, 1418, 1614, 1618, 1621 Chassis para Ônibus OF e OH 1318, **Toyota:** Bandeirante.

STARTERS:
Bosch: 9-000-083-043 / 046 / 064 / 073 / 076, 9-000-453-079 / 088.

OEM SOLENOID:
Bosch:
9-330-081-032

ZM 637 24V

CAP ZM 637.91



Note: Similar to ZM 547 with nylon lever.
Nota: Similar ao ZM 547 com garfo de nylon.

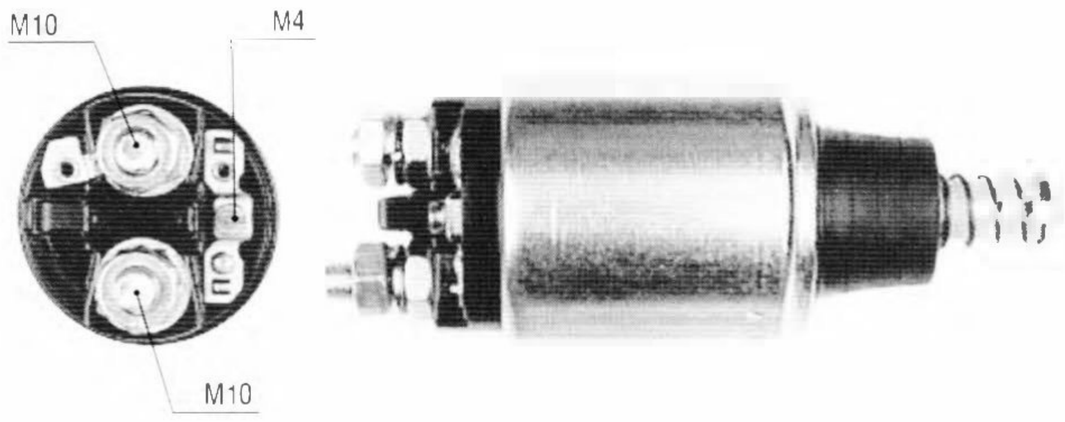
USED ON:
Mercedes Benz: Ônibus com Motor M 366 G, Chassis para Ônibus OF e OH 1115, 1315 (OM 366), Plataforma e Ônibus O 371 U (OM 366) com Motor JF, O 371 UL, OH 1621 LG, OH 1623 LG.

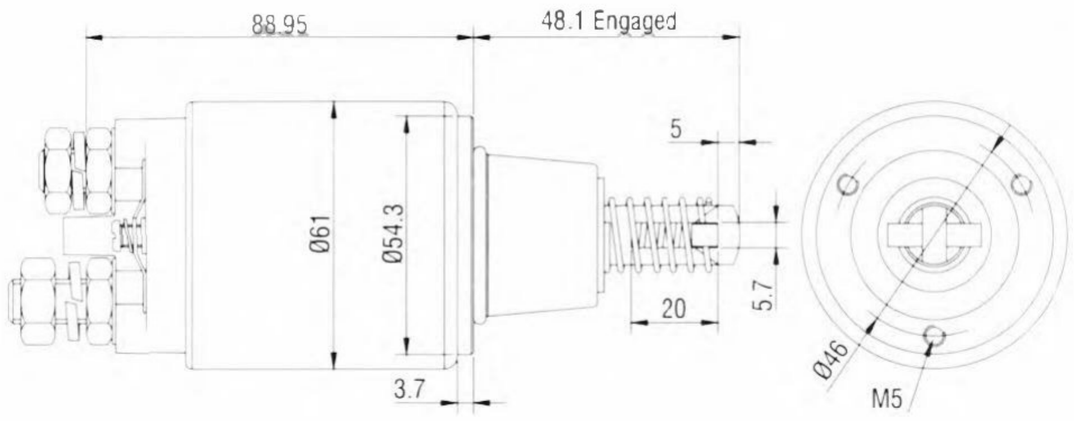
STARTERS:
Bosch: 9-000-083-065.

OEM SOLENOID:
Bosch:
9-330-081-045

ZM 638 24V

CAP ZM 538.91





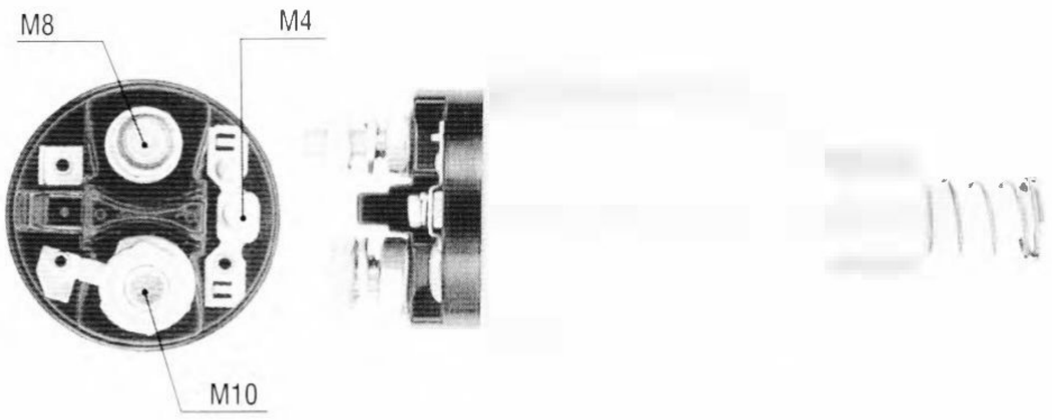
USED ON:
Scania, Volvo, Volvo White, GMC Truck.

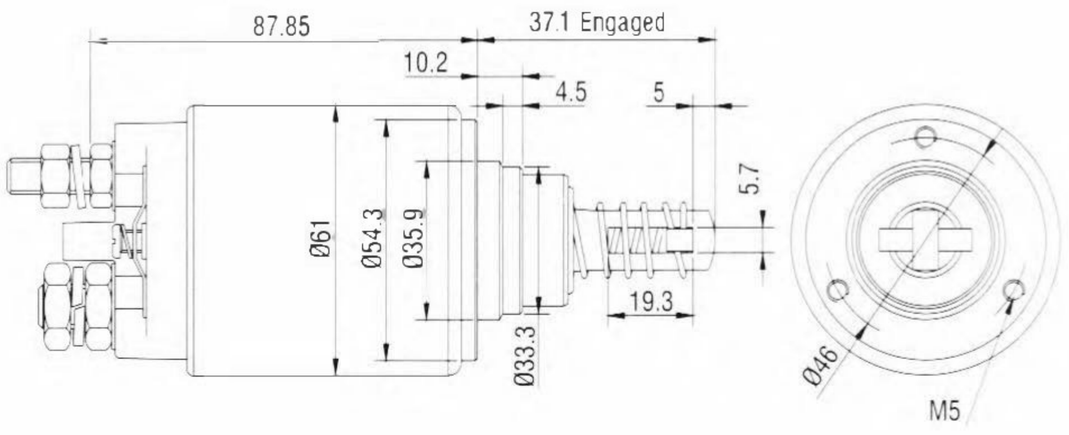
STARTERS:
Bosch: 0-001-360-025 / 036 / 038 / 040 / 049, 0-001-368-018 / 030 / 031 / 041 / 071 / 303.

OEM SOLENOID:
Bosch:
0-331-402-005
0-331-402-208

ZM 640 24V

CAP ZM 640.91





USED ON:
OAF: A 1902 DT, B 1300 DD, 1600 DD, B 1600 DF, DT, D 1400 DF, F 1100 DD, F 1200 DA, DD, F 1300 DF, DT, F 1400 DD, DF, DT, F 1500 DF, DT, F 1600 DF, DT, F 1800 DT, F 2105 DF, SB 1600 DF, DT, SB 1602 DF, DT, SB 2005 DH, TB 160 DF, DT, TB 163 DF, DT, V 1600 DD, DF.

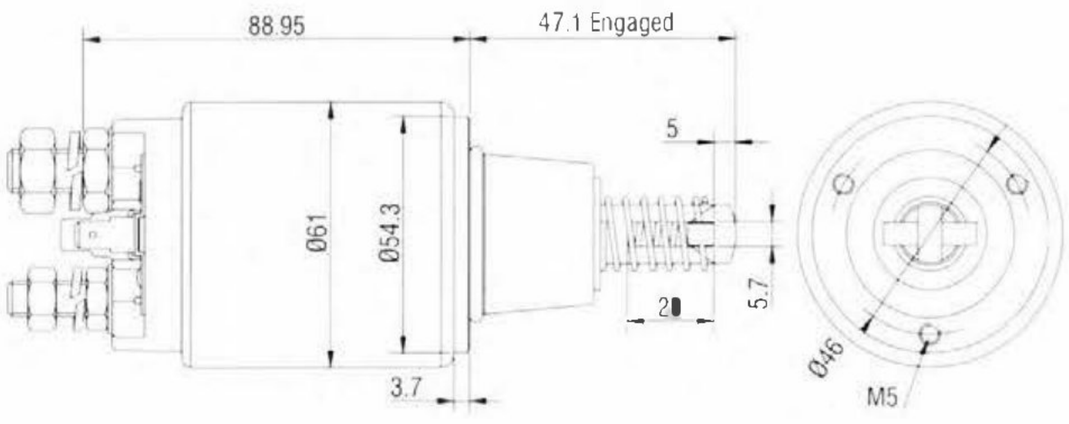
STARTERS:
Bosch: 0-001-368-034 / 065.

OEM SOLENOID:
Bosch:
0-331-402-089

ZM 1-640 12V

CAP ZM 1-640.91





USED ON:
Heavy Duty Industrial / Farm Equipment.
Equipamentos para Máquinas Agrícolas.

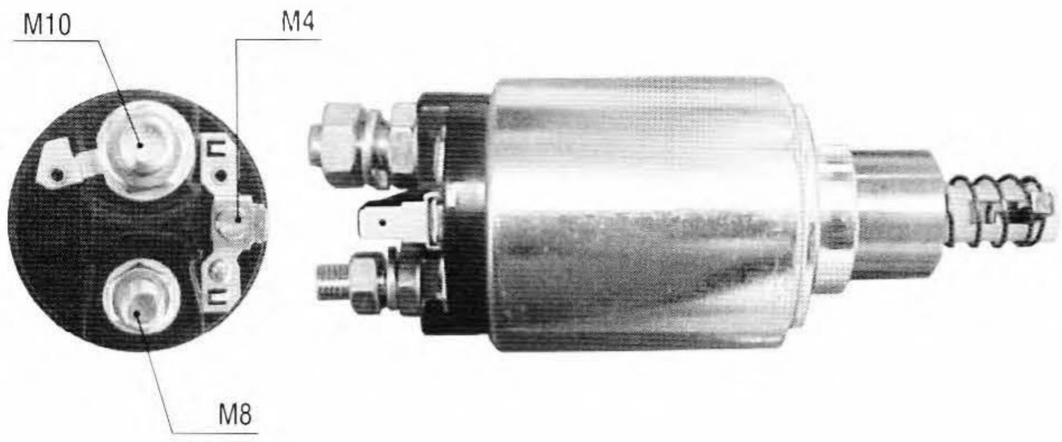
STARTERS:

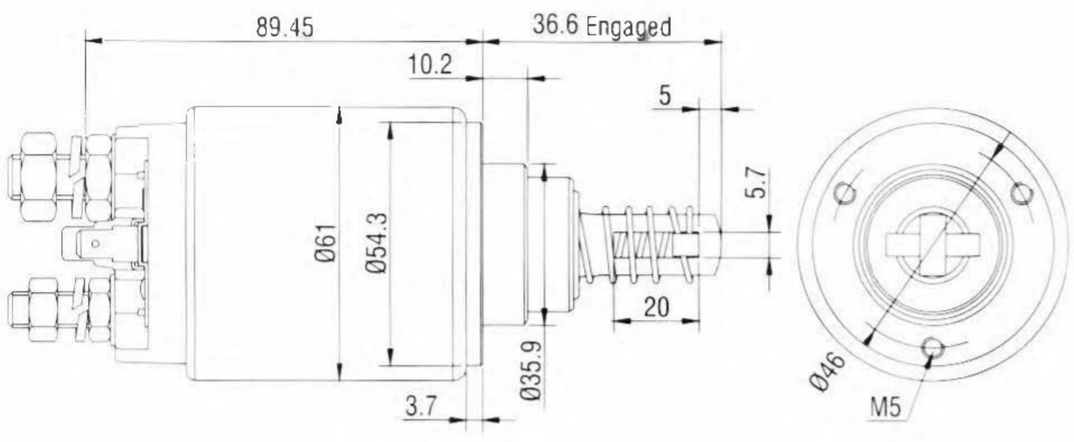
OEM SOLENOID:
Bosch:
2-339-402-115

BOSCH

ZM 2-640 12V

CAP Z M 1-640.91





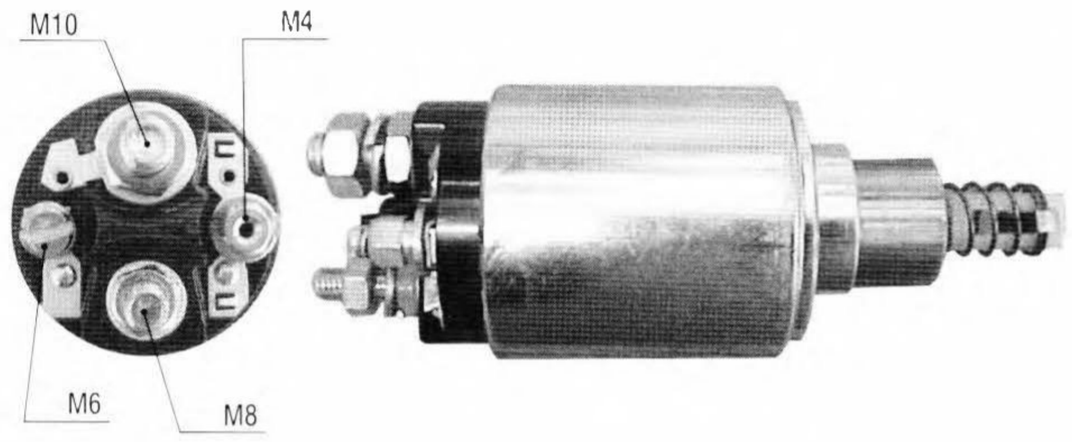
USED ON:
Heavy Duty Industrial / Farm Equipment.
Equipamentos para Máquinas Agrícolas.

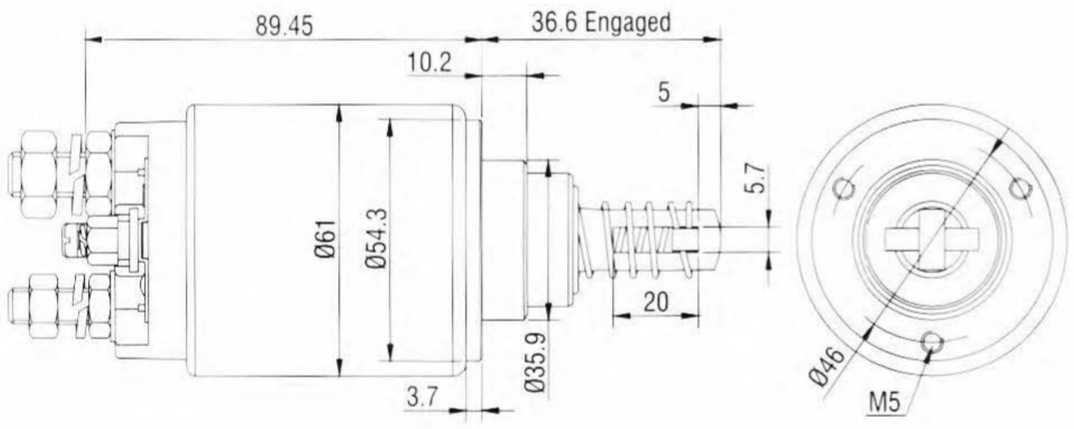
STARTERS:

OEM SOLENOID:
Bosch:
2-339-402-113

ZM 3-640 12V

CAP ZM 3-640.91





USED ON:
All Ford Trator Equipment.

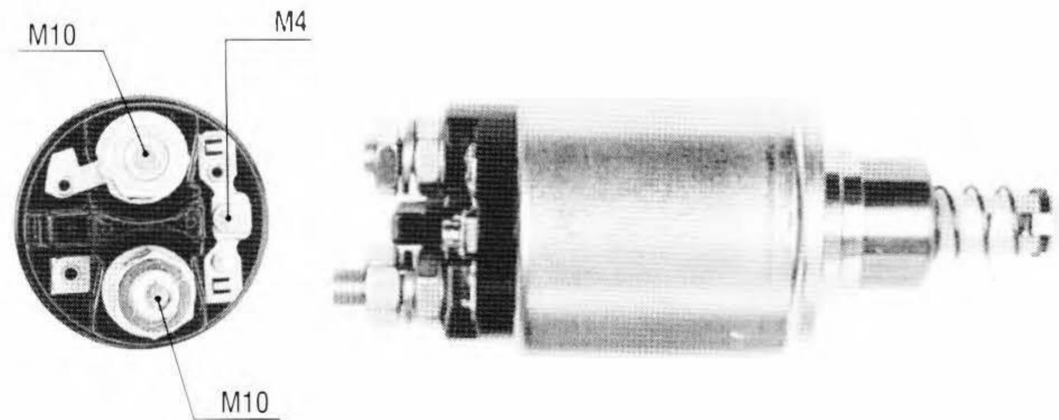
STARTERS:
Bosch: 0-001-369-015 / 021 / 200.

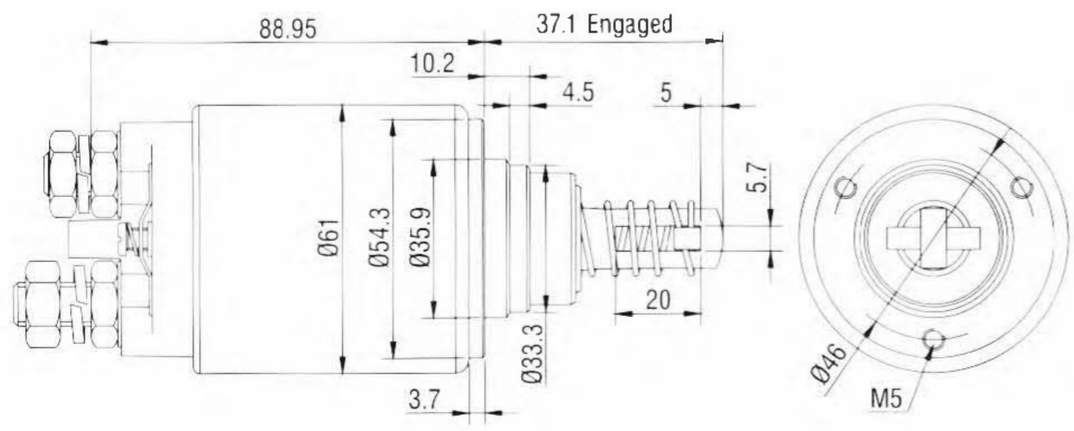
Ford: F0NN-11000-CA.

OEM SOLENOID:
Bosch:
0-331-402-106
0-331-402-606

ZM 641 24V

CAP ZM 641.91





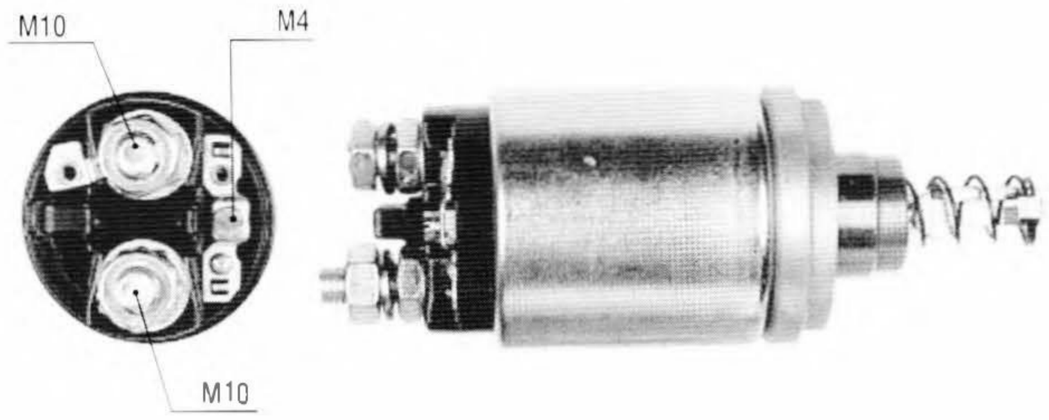
USED ON:
Scania, Steyr.

STARTERS:
Bosch: 0-001-360-031 / 044 / 048 / 054 / 057,
0-001-368-003 / 008 / 015 / 023.

OEM SOLENOID:
Bosch:
0-331-402-012
0-331-402-207

ZM 642 24V

CAP ZM 538.91



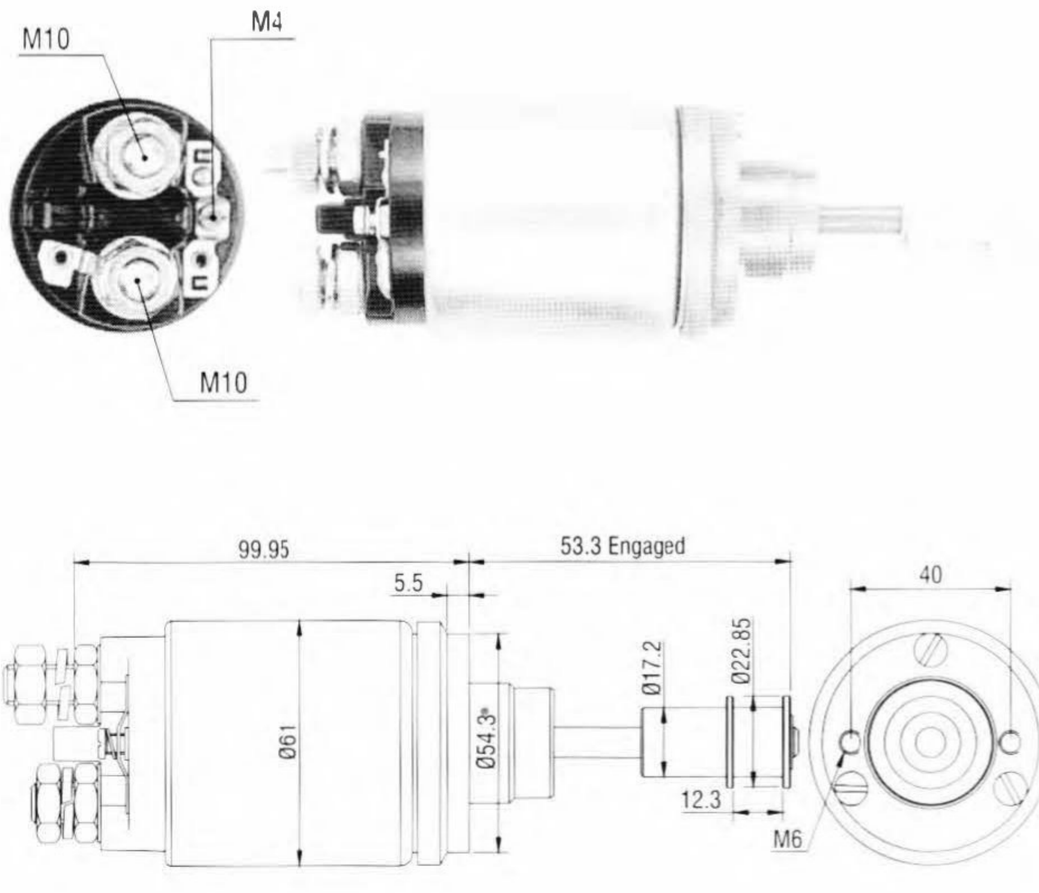
USED ON:
Hatz, IHC, KHD, Man, MWM, Poclain, Saviem, Scania and Steyr.

STARTERS:
Bosch: 0-001-360-002 / 003 / 004 / 008 / 009 / 010 / 012 / 013 / 018 / 047 / 053.

OEM SOLENOID:
Bosch:
0-331-401-002
0-331-402-081

ZM 643 12V

CAP ZM 543.91



USED ON:
Deutz, Hanomag, Iveco, KHD, Magirus Deutz, Lamborghini, Same.

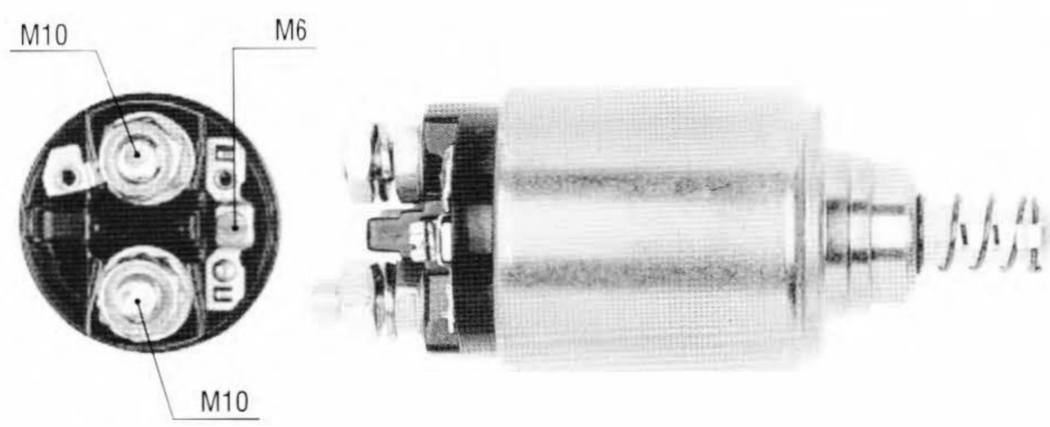
STARTERS:
Bosch: 0-001-358-017 / 018 / 020 / 028 / 032 / 033 / 046.

OEM SOLENOID:
Bosch:

0-331-400-014	0-331-400-022	0-331-402-076
0-331-400-016	0-331-401-007	
0-331-400-017	0-331-401-507	

ZM 644 12V

CAP ZM 539.91



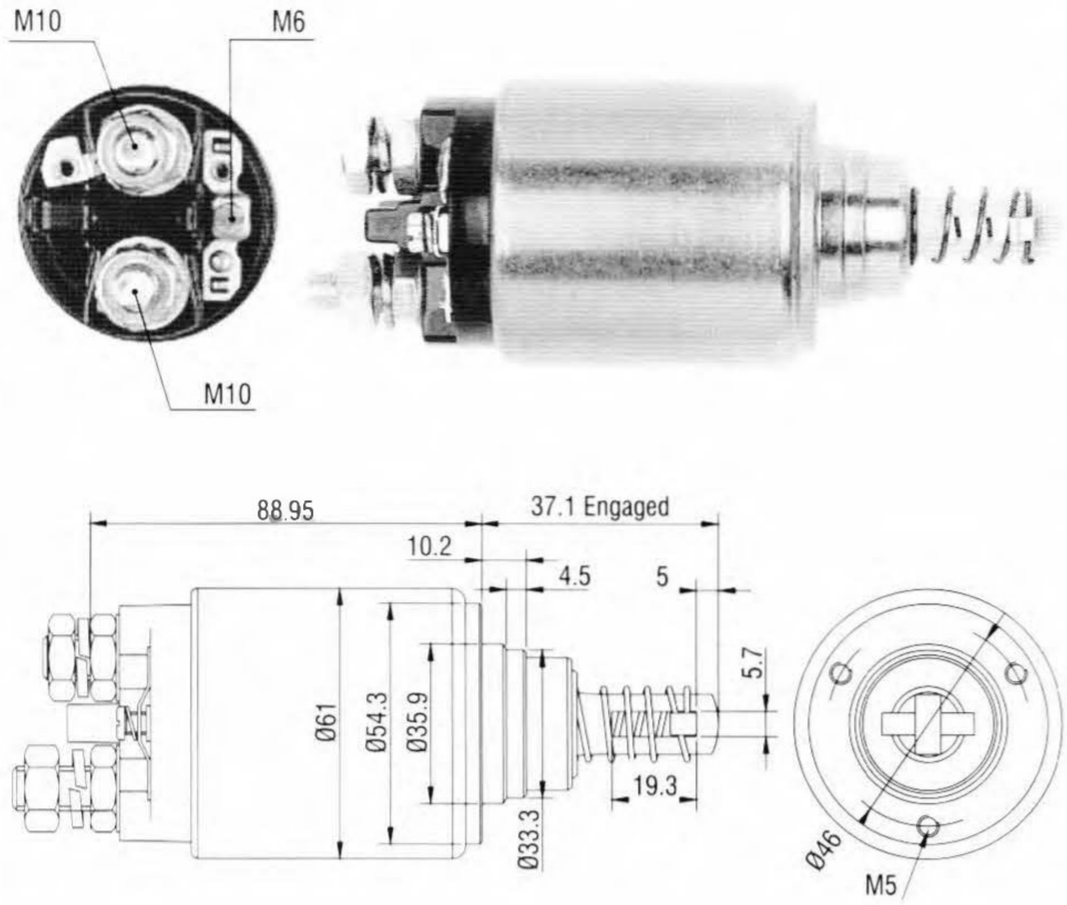
USED ON:
Mercedes, Claas, IHC.

STARTERS:
Bosch: 0-001-359-043 / 084 / 111, 0-001-367-034 / 039 / 042 / 059.

OEM SOLENOID:
Bosch:
0-331-402-013
0-331-402-513

ZM 645 24V

CAP ZM 539.91



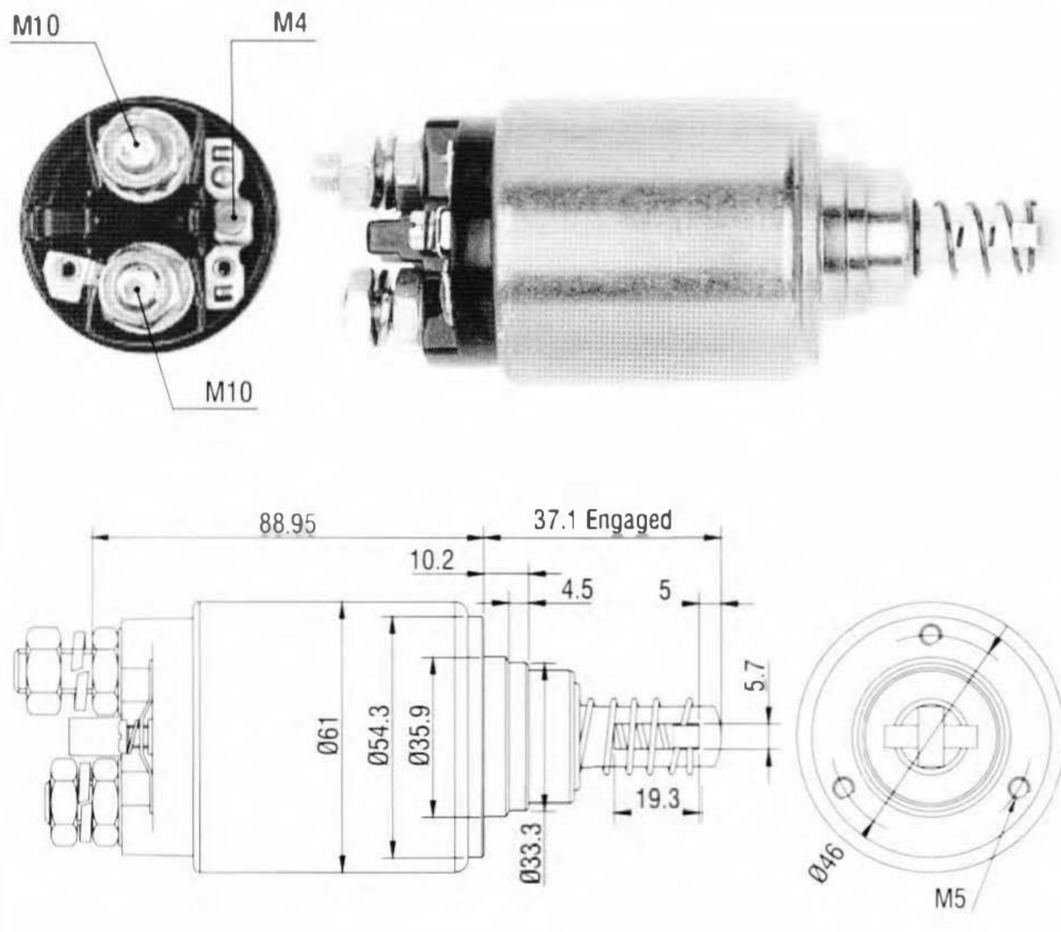
USED ON:
Mercedes.

STARTERS:
Bosch: 0-001-360-022 / 037 / 056, 0-001-368-024 / 028 / 055.

OEM SOLENOID:
Bosch:
0-331-402-010

ZM 647 24V

CAP ZM 543.91



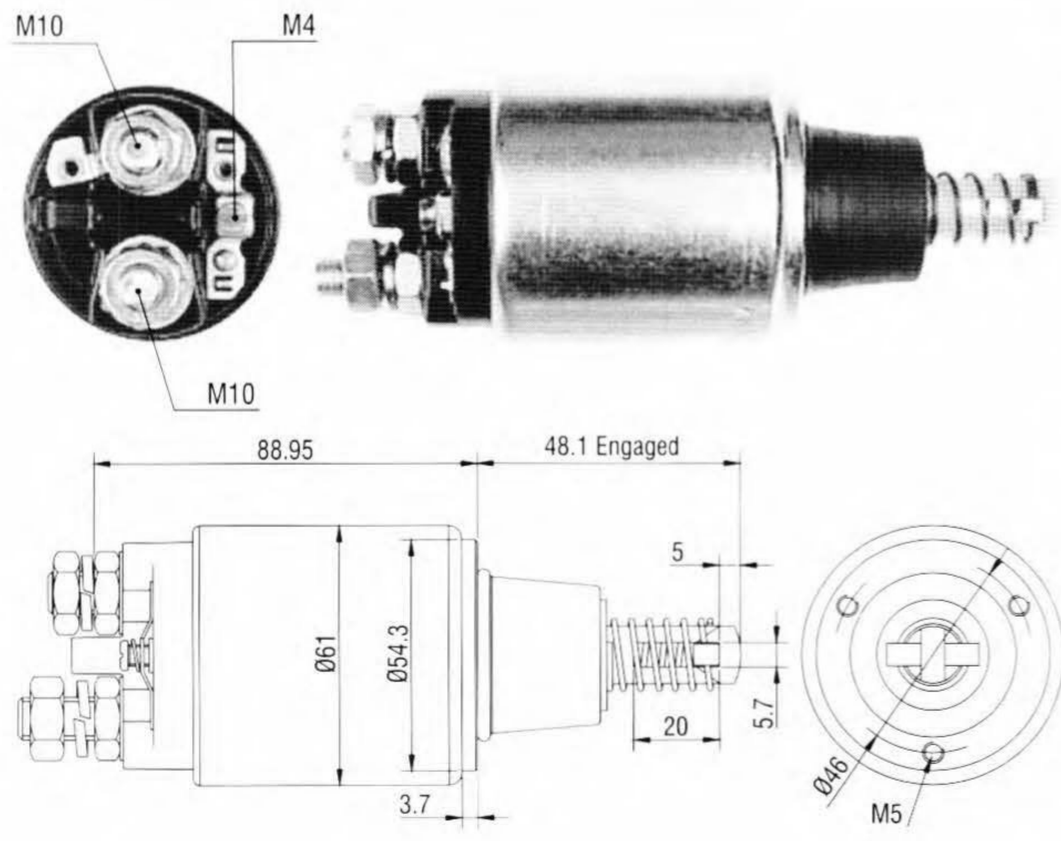
USED ON:
Daf, Deutz, Fiat, IHC, Iveco, KHD, Magirus, Mercedes, Ravo, Renault, Scania, Volvo.

STARTERS:
Bosch: 0-001-360-035 / 041 / 045, 0-001-368-001 / 005 / 013 / 033 / 042 / 052.

OEM SOLENOID:
Bosch:
0-331-402-015
0-331-402-515

ZM 648 12V

CAP ZM 538.91



USED ON:
Case, Caterpillar, Deutz, Ditch Witch, Fiat, Goldoni, IHC, Ingersoll-Rand, JCB, Mercedes, Volvo, KHD.

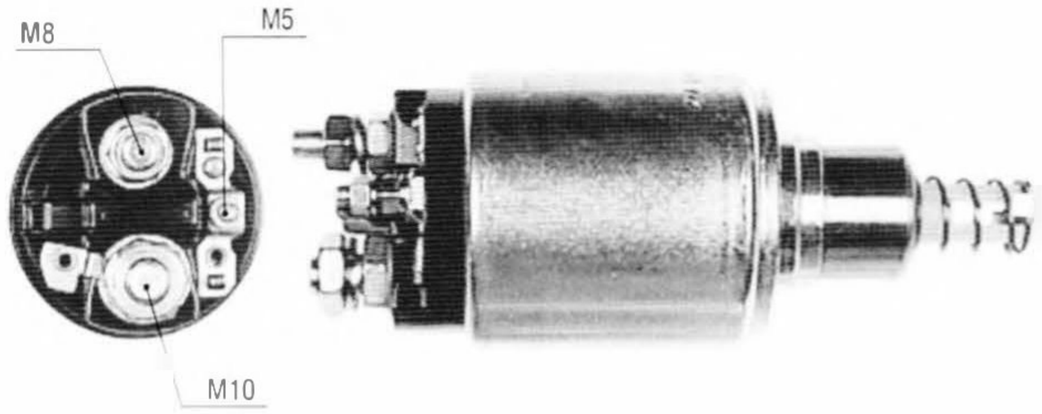
STARTERS:
Bosch: 0-001-359-089 / 097 / 098, 0-001-362-039 / 322 / 601 / 605 / 700 / 701 / 702, 0-001-367-003 / 027 / 035 / 046 / 051 / 054 / 063, 0-001-369-002 / 003 / 006 / 007.

OEM SOLENOID:
Bosch:

0-331-402-006	0-331-402-070	0-331-402-570
0-331-402-042	0-331-402-209	
0-331-402-068	0-331-402-568	

ZM 653

CAP ZM 653.91



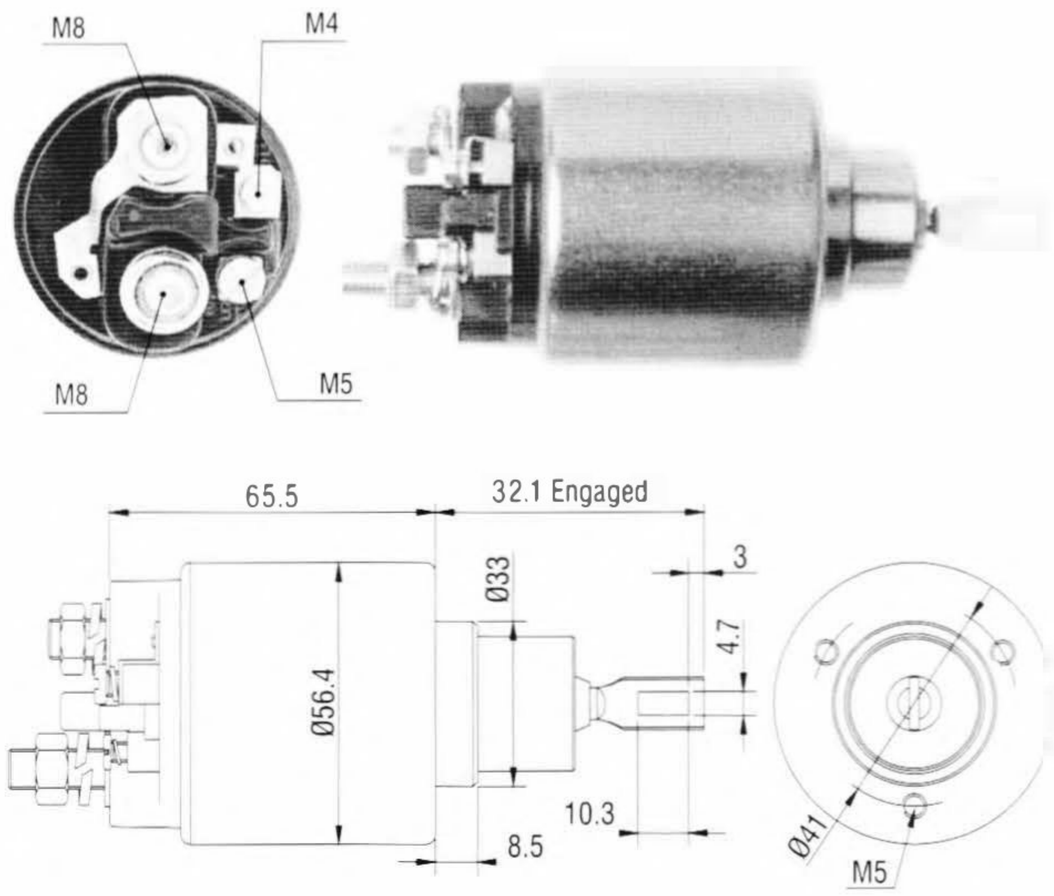
USED ON:
Ford Granada 1.9 D, 2.1D, 2.5D, Ford Sierra 2.3 D and Peugeot (Diesel).

STARTERS:
Bosch: 0-001-362-045 / 061 / 079 / 081 / 602 / 603.

OEM SOLENOID:
Bosch:
0-331-402-027
0-331-402-028

ZM 671

CAP ZM 571.91



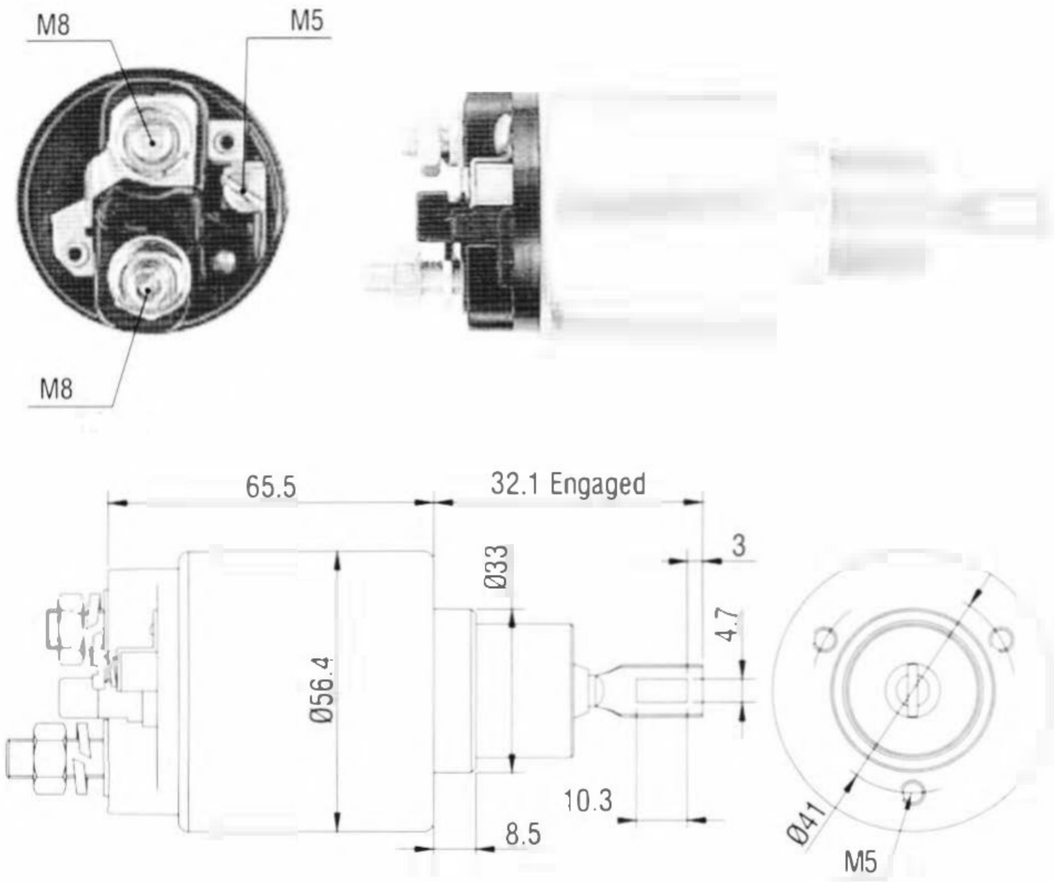
USED ON:
Renault: R 18 (07.93-→), R 21 2.2 (01.93-→), Trafic 2.2 (04.88→),
Volkswagen: Gol Gti 2.0 (09.88→12.94), Santana e Santana Quantum 1.8 (01.84→).

STARTERS:
Bosch: 9-000-082-055 / 071 / 075 / 84.

OEM SOLENOID:
Bosch:
9-330-081-047

ZM 672

CAP ZM 672.91



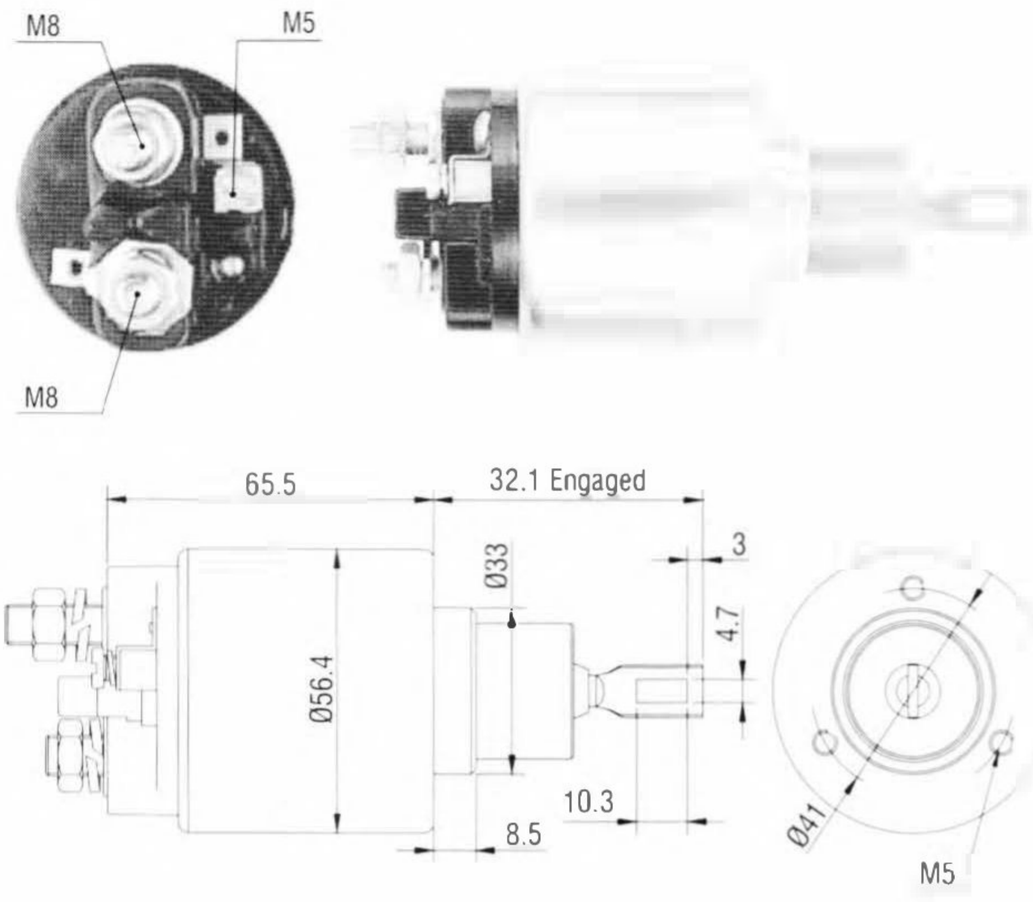
USED ON:
Mercedes 420 SEL, 560, 500 E, 400 E.

STARTERS:
Bosch: 0-001-208-209.

OEM SOLENOID:
Bosch:
0-331-303-022
0-331-303-522

ZM 674 12V

CAP ZM 674.91



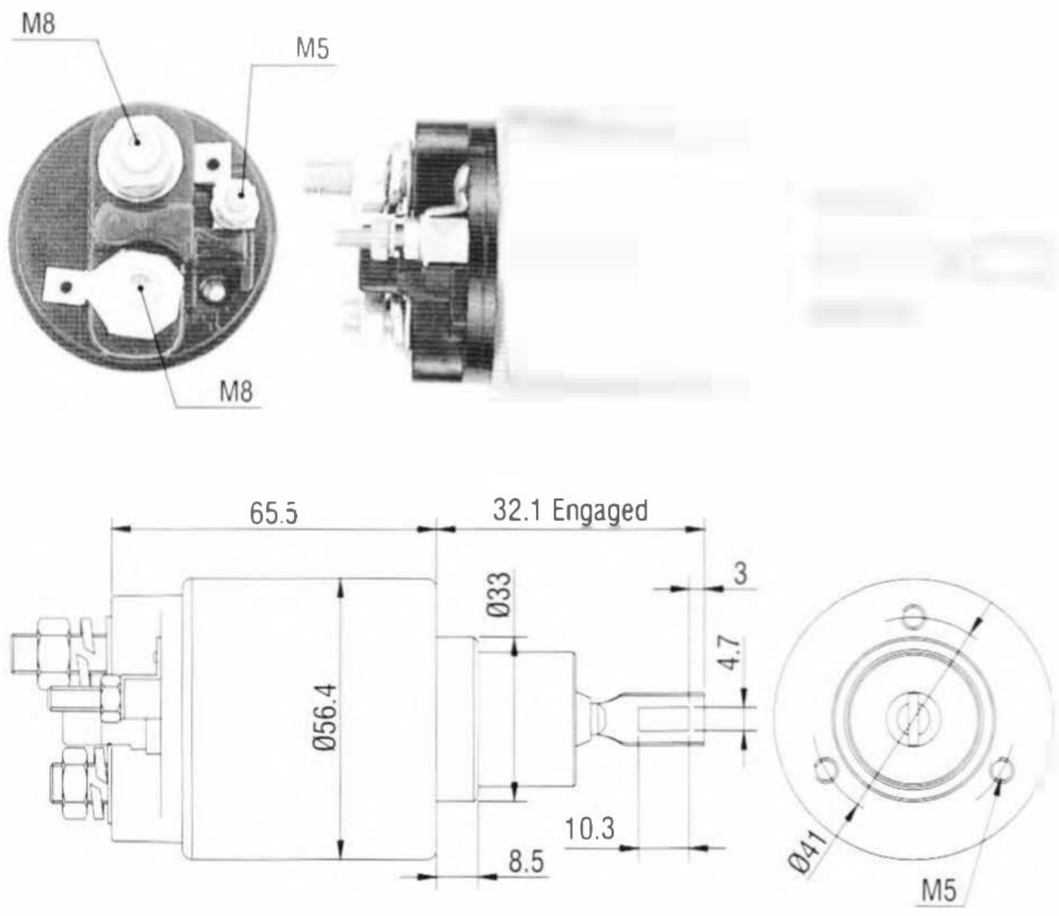
USED ON:
BMW (Diesel), Mercedes, Bedford CF 2.3 (Diesel), Frontera 2.3 TD, Omega 2.3 D, TD, Rekord 2.3 D, TD, Senator 2.3 TD, Blitz 2.3 D, Carlton 2.3 D, CF Diesel.

STARTERS:
Bosch: 0-001-218-001 / 006 / 007 / 009 / 011 / 016 / 021 / 023 / 108.

OEM SOLENOID:
Bosch:
0-331-303-048
0-331-303-061

ZM 675 12V

CAP ZM 675.91



USED ON:
Ford: Capri 2.0, 2.3, 2.8i, Granada 2.4i, 2.8, 2.9i, Scorpio 2.0, 2.4i, 2.8i, 2.9i, Sierra 2.8 XR4i, 2.9 XR4i. **Chrysler:** Acclaim, Le Baron 3.0, TC, New Yorker, Sundance, Voyager 3.0 V6. **Dodge:** Caravan, daytona, Dynasty, Spirit, Shadow. Plymouth.

STARTERS:
Bosch: 0-001-108-084 / 103 / 104 / 105 / 134 / 135 / 995 / 996 / 997.

OEM SOLENOID:
Bosch:
0-331-303-086
0-331-303-137
2-339-303-208

ZM 676 12V

CAP ZM 676.91



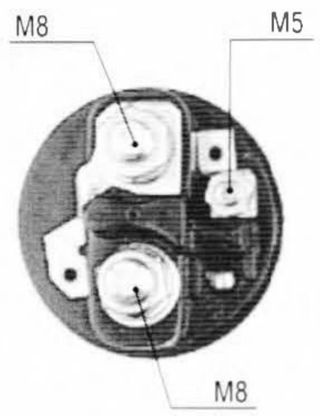
USED ON:
Volkswagen: Bus 1.7, 2.1, Caravelle 1.9, 1.9i, 2.1i, Syncro, Transporter 1.6, 1.9, 2.0, 2.1, Syncro. Audi, Opel.

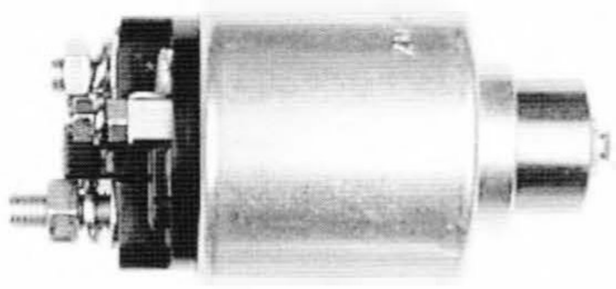
STARTERS:
Bosch: 0-001-211-251 / 506.

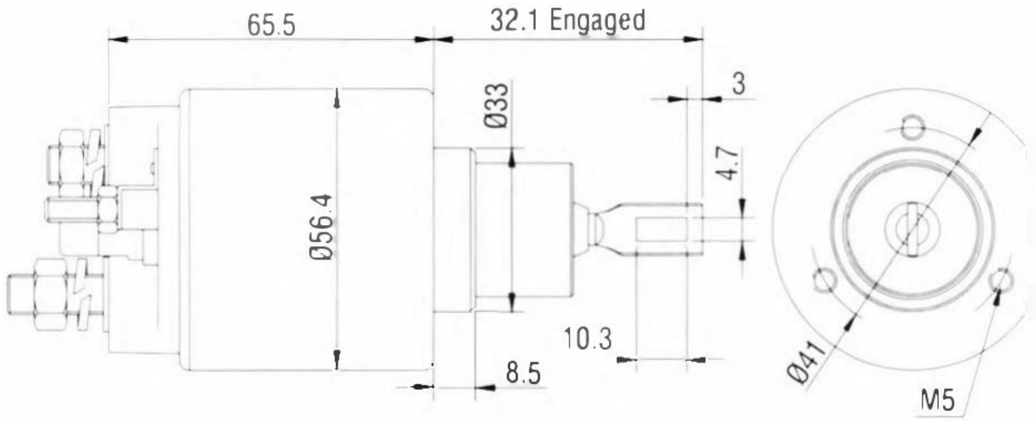
OEM SOLENOID:
Bosch:
0-331-303-045

ZM 677 12V

CAP ZM 677.91







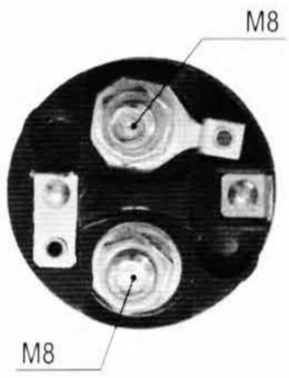
USED ON:
Jeep: Cherokee, Cherokee 2.5, Grand Cherokee, CJ, YJ, Scrambler, Wrangler, Wrangler 2.5, Comanche 2.5, Comanche Pick up, Wagoneer, Wagoneer 2.5, Grand Wagoneer. Eagle Premier, BMW 318I and 525I.

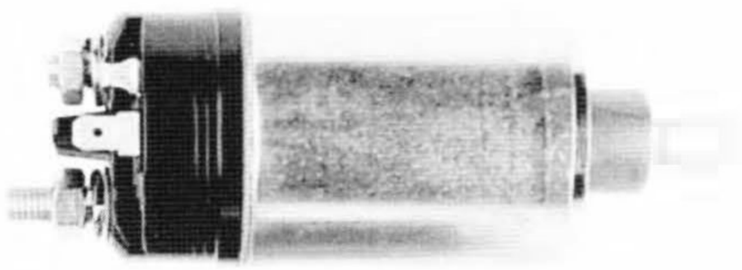
STARTERS:
Bosch: 0-001-108-052 / 154.

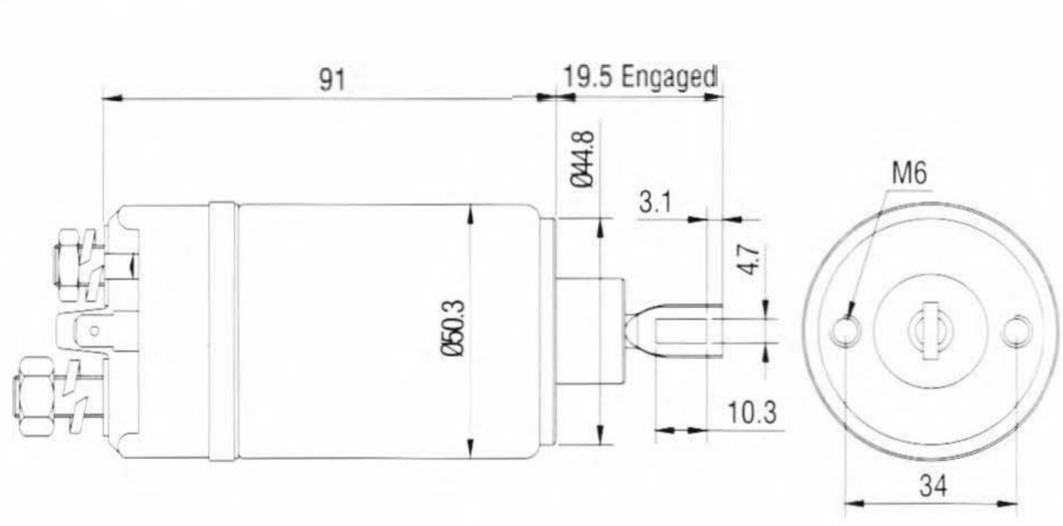
OEM SOLENOID:
Bosch:
0-331-303-107
0-331-303-607

ZM 722 12V

CAP ZM 724.91







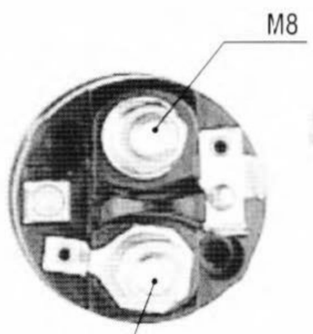
USED ON:
Saab 900, Volvo 240, 260, 760 and 780.

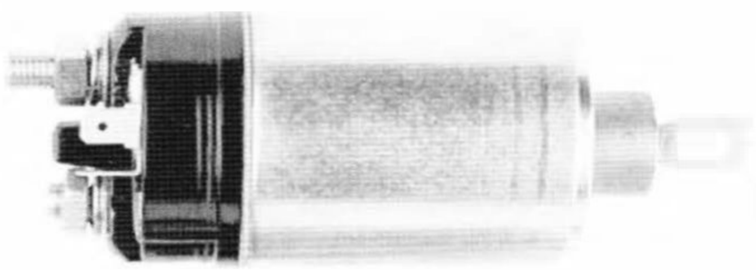
STARTERS:
Bosch: 0-001-311-103 / 105 / 108 / 115.

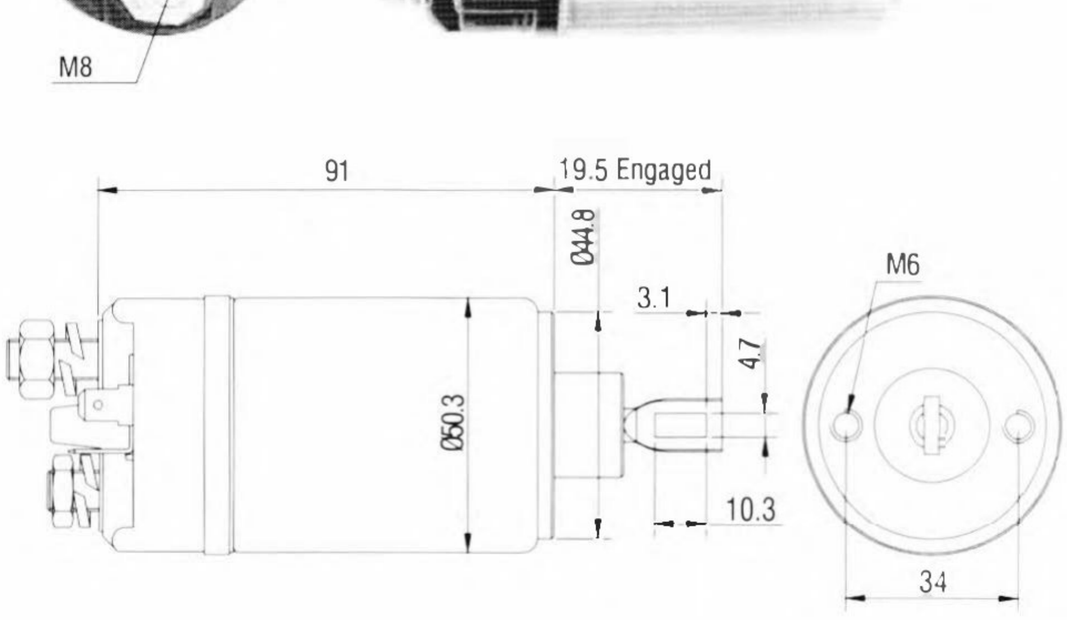
OEM SOLENOID:
Bosch:
0-331-302-081

ZM 3-722 12V

CAP ZM 3-722.91







USED ON:
Audi, Opel, Porsche, Saab, Volvo.

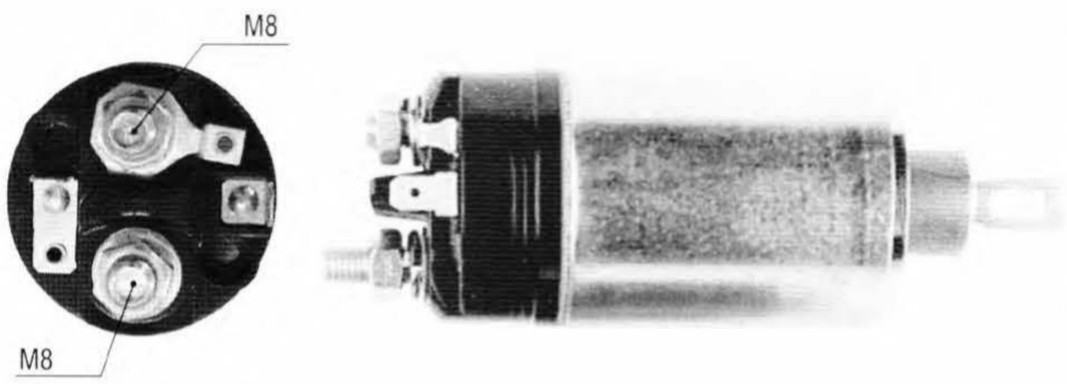
STARTERS:
Bosch: 0-001-311-112.

OEM SOLENOID:
Bosch:
0-331-302-084

BOSCH

ZM 724 12V

CAP ZM 724.91



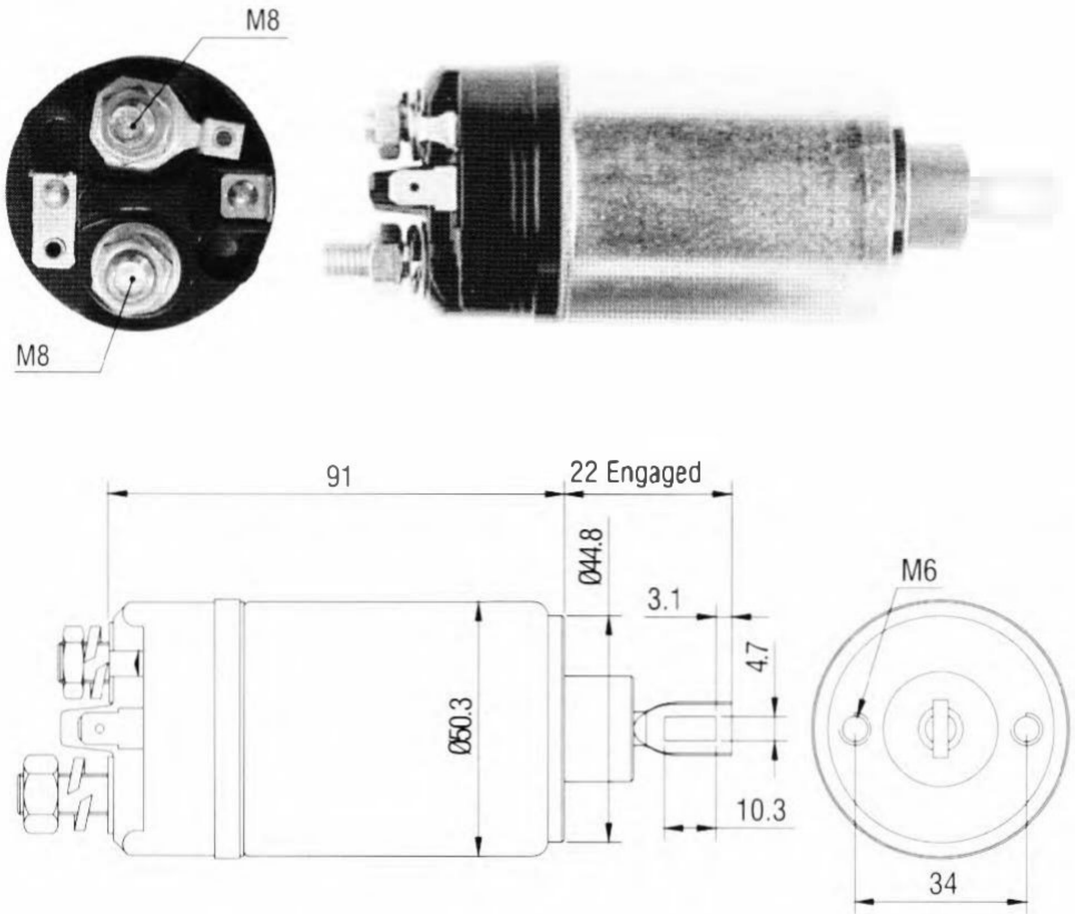
USED ON:
Alfa Romeo, BMW, Porsche, Saab, Volvo.

STARTERS:
Bosch: 0-001-208-006 / 014 / 029, 0-001-211-002 / 004 / 005 / 014 / 016, 0-001-214-002, 0-001-311-045.

OEM SOLENOID:
Bosch:
0-331-302-011 0-331-302-075
0-331-302-047
0-331-302-052

ZM 726 12V

CAP ZM 726.96



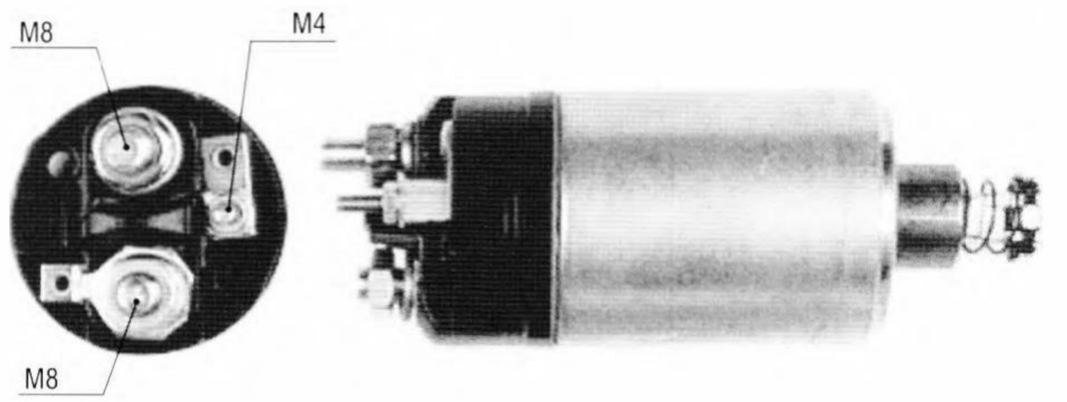
USED ON:
BMW: M 535 3.5, 3.5i, M 635 Csi, 315, 316, 316 1.8, 316i, 318i, 518, 518i, 525i, 528i, 535i, 628 CSi, 630 CS, 633 CSi, 635 CSi, 728i, 730, 730i, 732i, 733i, 735i, 745i, 2500 2.5 and 2500 2.8. **Ford:** Consul 3.0 and Granada 3.0 V6 (03.72→03.73), Ferrari, Fiat, Lancia, Opel, Saab, Volvo.

STARTERS:
Bosch: 0-001-311-042, 0-001-314-004.

OEM SOLENOID:
Bosch:
0-331-302-056

ZM 727 12V

CAP ZM 627.96



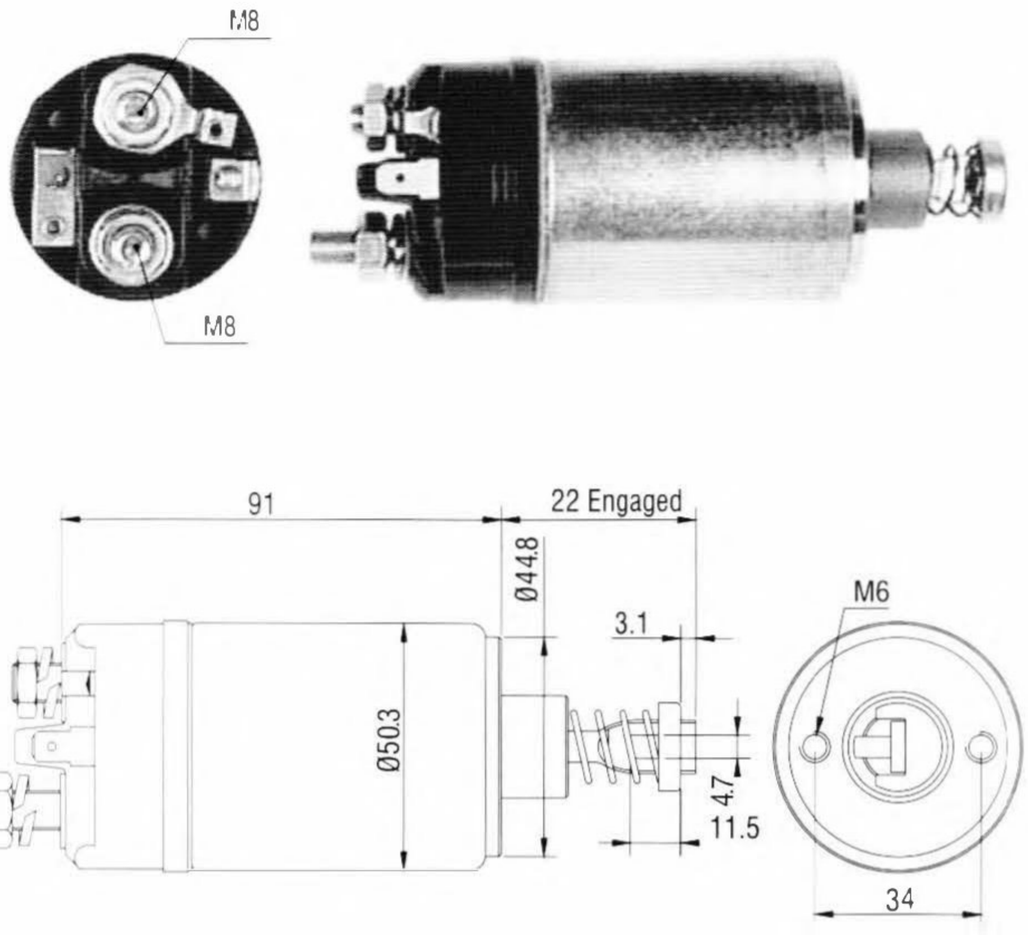
USED ON:
Chrysler, Dodge, Plymouth Horizon.

STARTERS:
Bosch: 0-001-208-403

OEM SOLENOID:
Bosch:
0-331-302-096
0-331-302-596

ZM 728 12V

CAP ZM 724.96



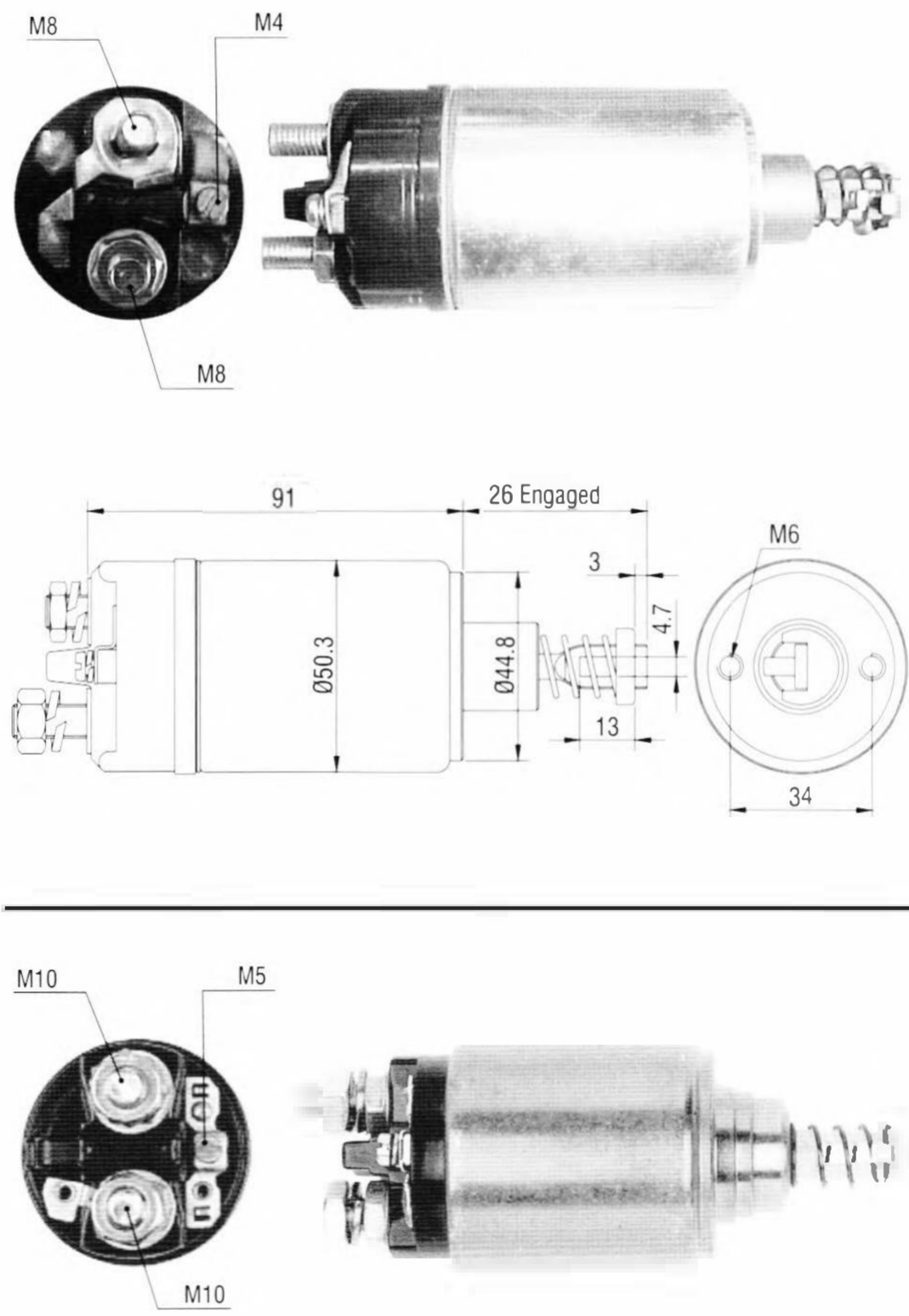
USED ON:
Volvo 240, 740, 760.

STARTERS:
Bosch: 0-001-311-146.

OEM SOLENOID:
Bosch:
0-331-302-106

ZM 729 12V

CAP ZM 729.96



USED ON:
Bosch 215 Series DD Starters.

STARTERS:
Bosch: 0-001-215-001.

OEM SOLENOID:
Bosch:
0-331-302-061

ZM 731 12V

CAP ZM 731.91

USED ON:
Mercedes 190E, 240D, 300, BMW 528I, 533I, 535I, 633 CSI, 731I, M5, M6, Volvo 240, Audi 5000, Volkswagen Vanagon (Diesel), IHC, Magirus, Massey Ferguson, Opel, Renalt.

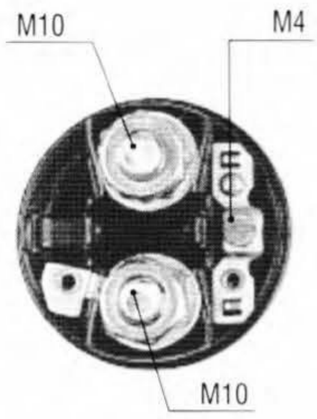
STARTERS:
Bosch: 0-001-358-049 / 201, 0-001-359-072 / 073 / 081 / 082 / 099 / 100 / 106 / 108 / 119, 0-001-362-015 / 025 / 036 / 058 / 063 / 074 / 300 / 306 / 310, 0-001-366-001 / 002 / 003 / 009 / 012 / 013 / 014 / 016 / 017 / 018 / 020 / 024 / 027 / 028 / 029, 0-001-367-001 / 004 / 005 / 007 / 009 / 010 / 013 / 023.

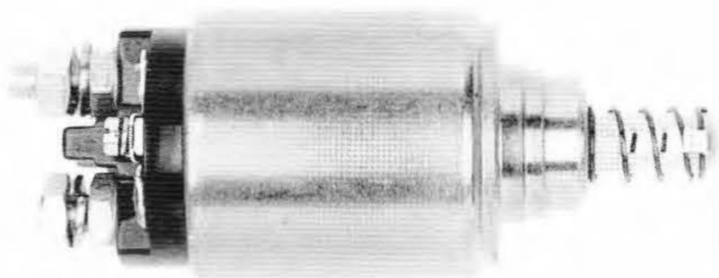
OEM SOLENOID:
Bosch:
0-331-401-038
0-331-401-045

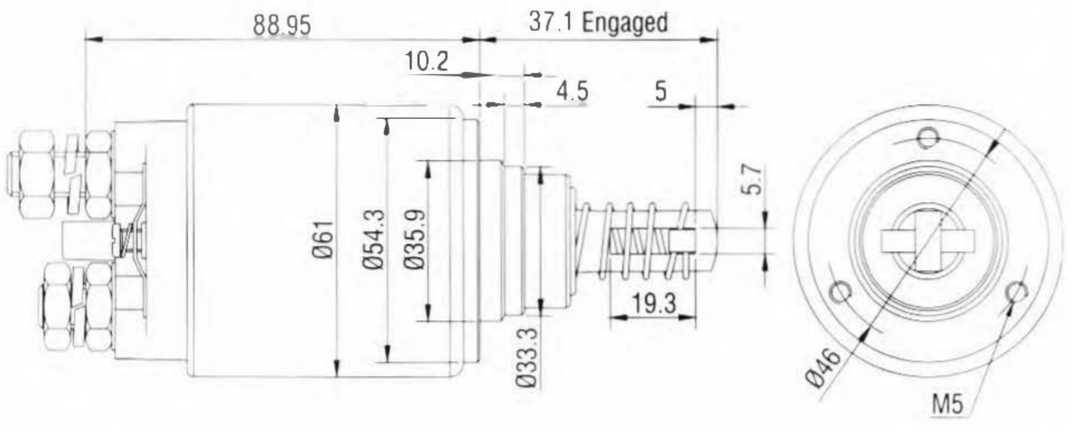
BOSCH

ZM 1-731 12V

CAP ZM 543.91







Note: Similar to ZM 543 with long moveable contact rod.
Nota: Similar ao ZM 543 com pino de contato longo.

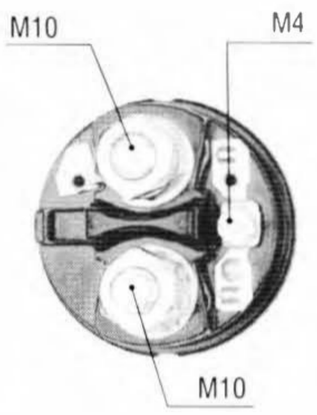
USED ON:
Iveco, Kaelble, Massey Ferguson, Mercedes, Palmieri, Poclain, Steyer, IHC, Vaxhall, Ford, Bertolini, Volvo, Atlas, Atlas Copco, Man, VW, Calyson, Case, Deutz Fahr, Farymann, Ruggerini, Ferrari, Hamm, Hatz, Holder, Renault, Huerlimann, Slanzi, Scania, Magirus.

STARTERS:
Bosch: 0-001-362-013 / 014 / 016 / 022 / 023 / 024 / 034 / 035 / 037 / 041 / 046 / 071 / 305 / 312, 0-001-366-008 / 010 / 025.

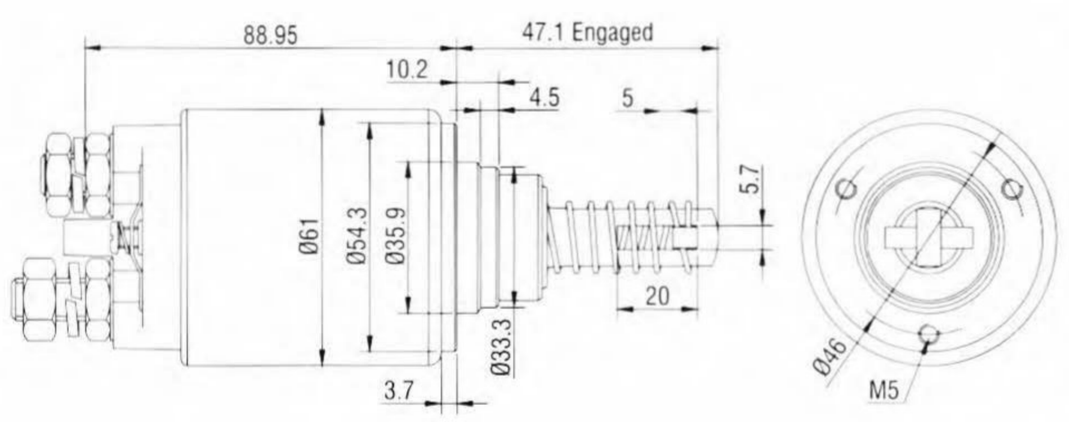
OEM SOLENOID:
Bosch:
0-331-402-002 0-331-402-503
0-331-402-003
0-331-402-502

ZM 732 24V

CAP ZM 538.91





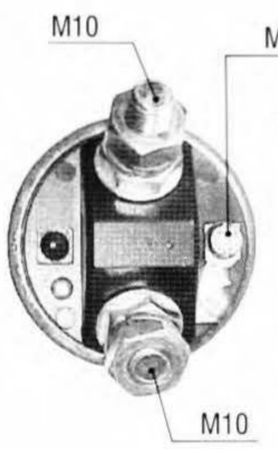


USED ON:
Deutz, IHC, KHD, Magirus.

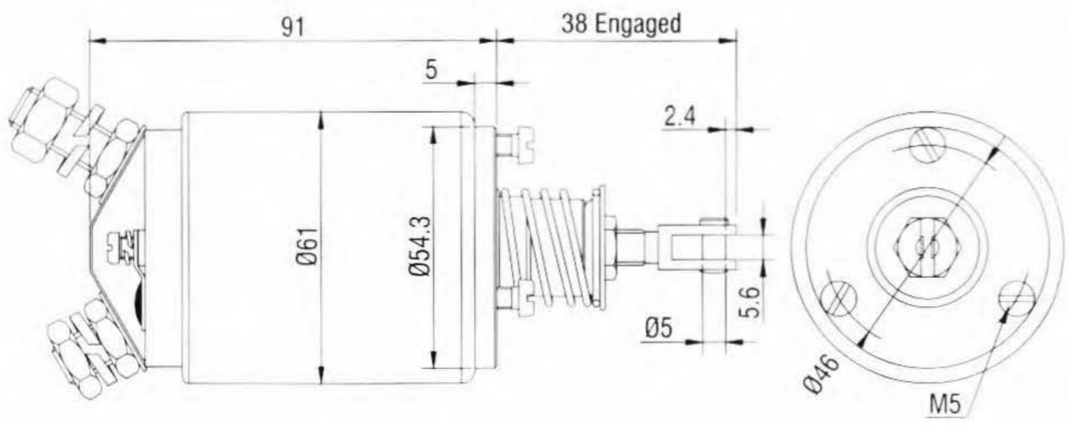
STARTERS:
Bosch: 0-001-364-100 / 101 / 104 / 105, 0-001-368-057.

OEM SOLENOID:
Bosch:
0-331-402-008
0-331-402-508

ZM 733 12V







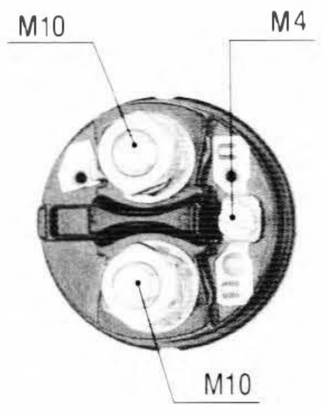
USED ON:
Lambordini, Same, Carraro.

STARTERS:
Bosch: 0-001-354-006 / 025 / 032 / 033 / 034 / 062.
Marelli: 632 121 18.

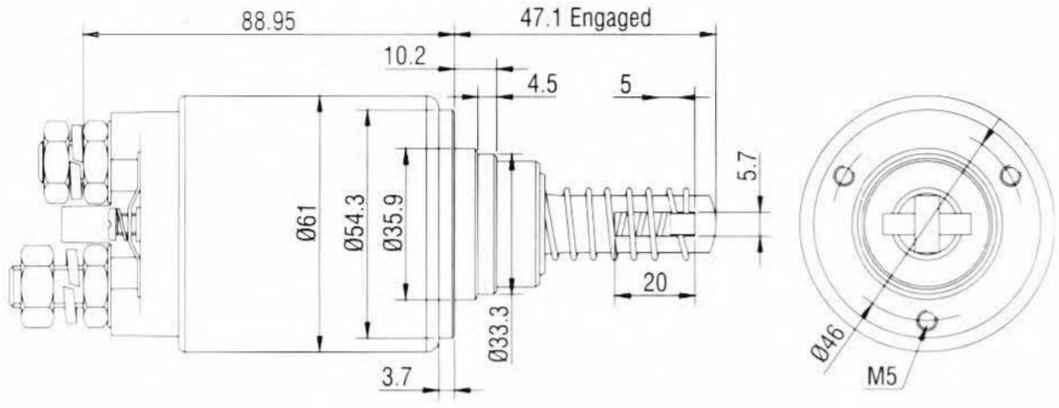
OEM SOLENOID:
Bosch:
0-331-400-001 **Iveco:** **Fiat:**
OAF: 1310012 9907553
316490

ZM 734 12V

CAP ZM 538.91







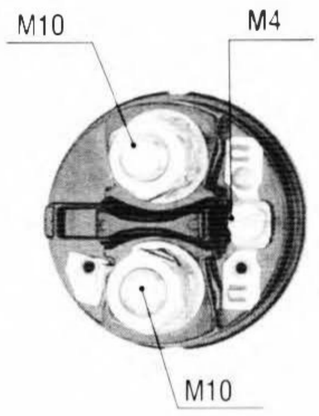
USED ON:
For Bosch 365 Series DD Starters. Clayson, KHD, Magirus.

STARTERS:
Bosch: 0-001-365-004 / 005 / 006 / 007 / 008.

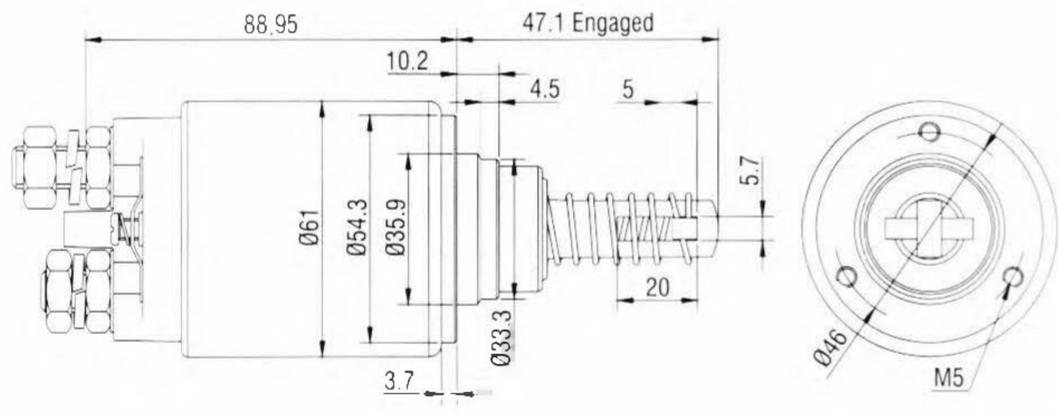
OEM SOLENOID:
Bosch:
0-331-402-011

ZM 736 24V

CAP ZM 543.91







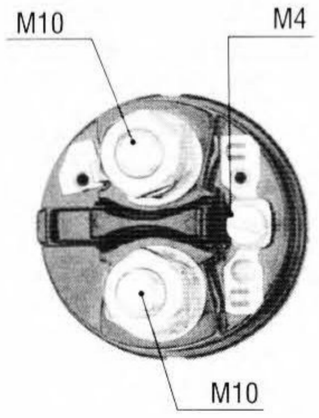
USED ON:
Daf, Deutz, IHC, Magirus.

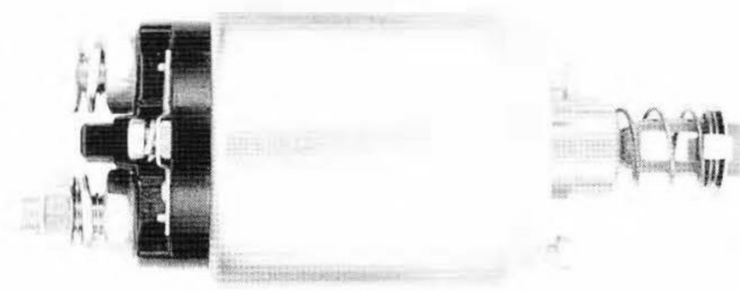
STARTERS:
Bosch: 0-001-364-102 / 200 / 203.

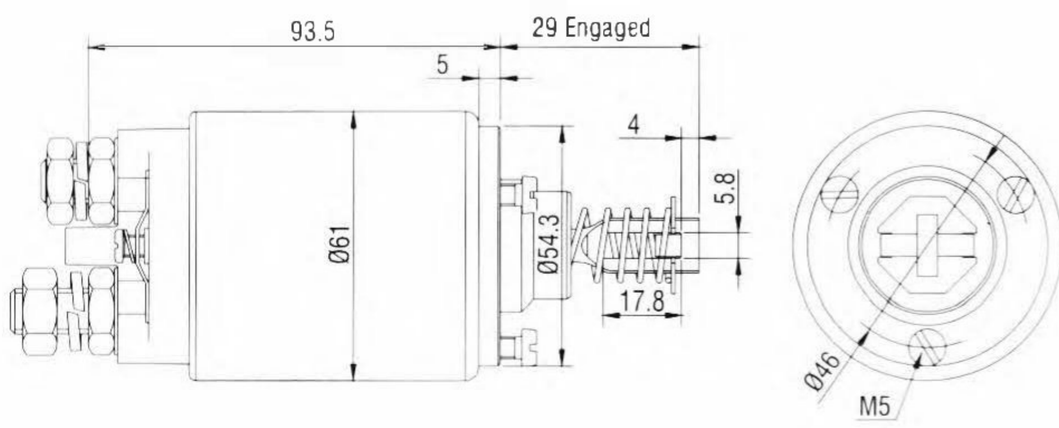
OEM SOLENOID:
Bosch:
0-331-402-021
0-331-402-055

ZM 740 12V

CAP ZM 583.91







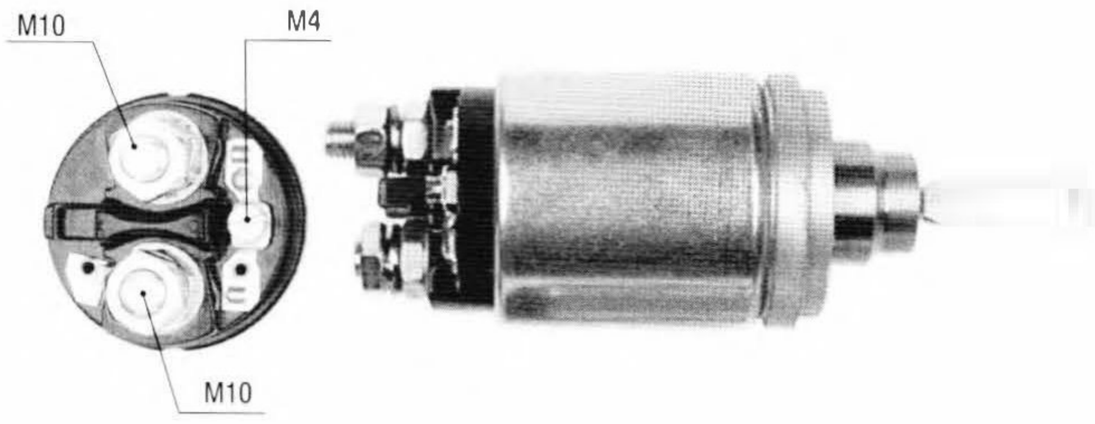
USED ON:
Mercedes 240D, 300, Volvo 240, Audi 5000 (Diesel).

STARTERS:
Bosch: 0-001-354-086 / 092 / 093 / 099 / 101.

OEM SOLENOID:
Bosch:
0-331-401-016

ZM 741 12V

CAP ZM 543.91



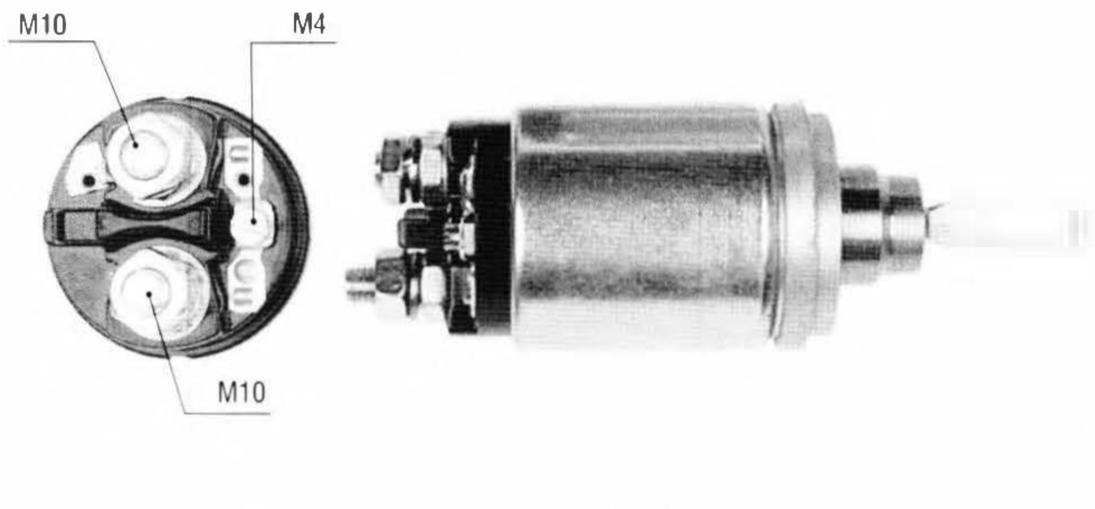
USED ON:
Case: 321, 431, 531, 644 (01.86→). Deutz, Daf, IHC, KHD, Mercedes.

STARTERS:
Bosch: 0-001-354-007 / 010 / 021 / 041 / 081 / 087 / 088 / 089 / 090.

OEM SOLENOID:
Bosch:
0-331-401-008
0-331-401-508

ZM 742 12V

CAP ZM 538.91



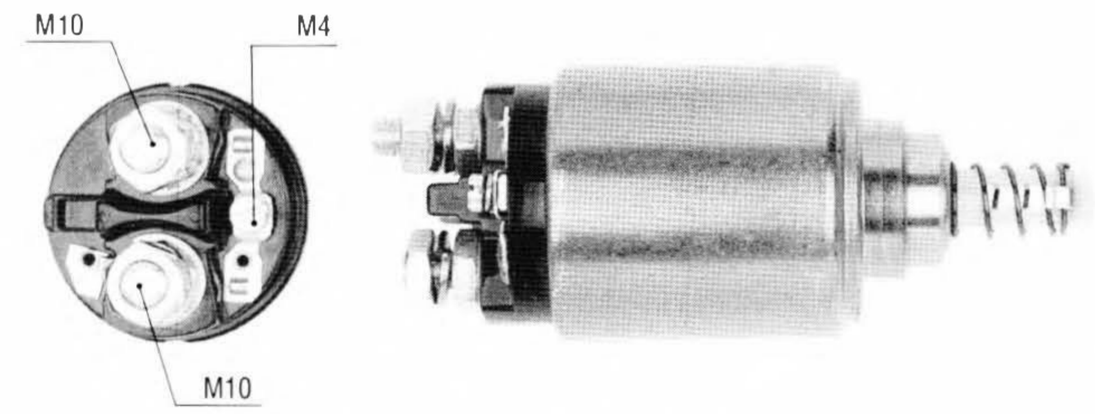
USED ON:
Daf, Deutz, IH, KHD, Mercedes.

STARTERS:
Bosch: 0-001-354-012 / 082 / 083 / 084 / 094 / 096 / 108 / 113.

OEM SOLENOID:
Bosch:
0-331-401-009
0-331-401-509

ZM 743 12V

CAP ZM 543.91



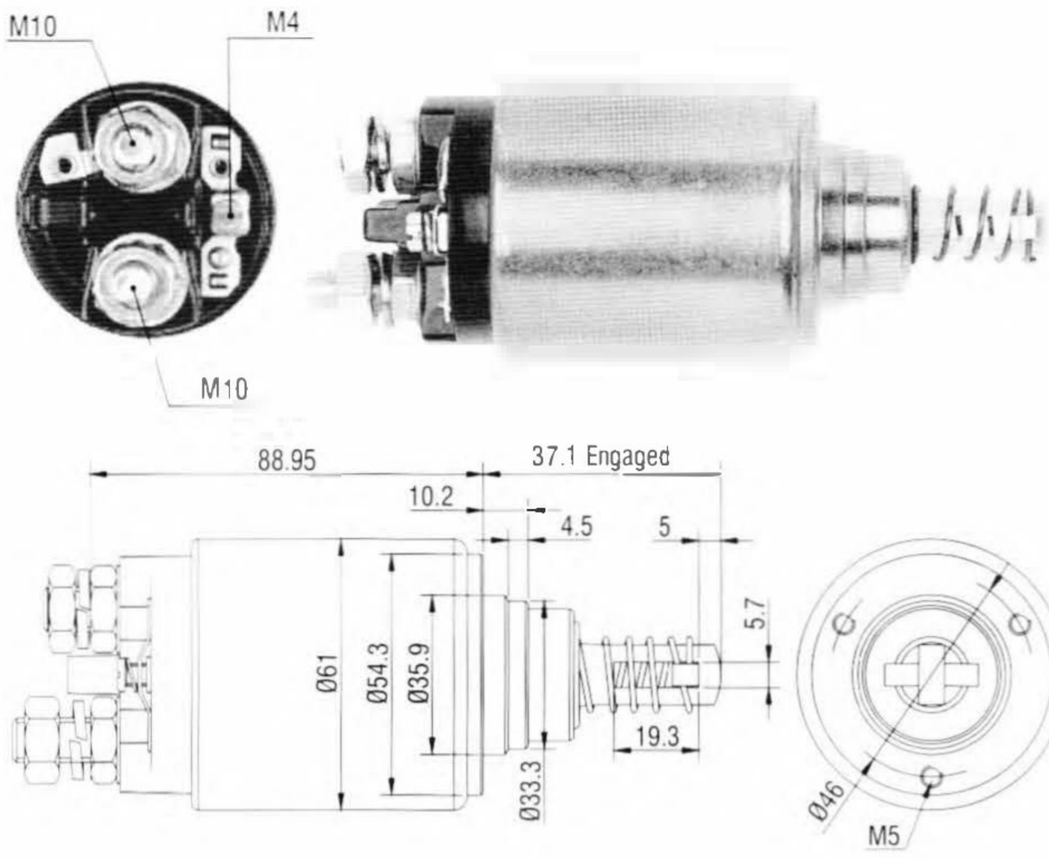
USED ON:
Lombardini, Same, Carraro.

STARTERS:
Bosch: 0-001-369-014.

OEM SOLENOID:
Bosch:
0-331-402-107
0-331-402-607

ZM 744 12V

CAP ZM 538.91



Note: Similar to ZM 744 with short moveable contact rod.
Nota: Similar ao ZM 744 com pino de contato curto.

USED ON:
Mercedes 240D, 300, Volvo 240, 740, 769, Volkswagen Dasher, Quantum, Audi 5000, 4000 (Diesel).

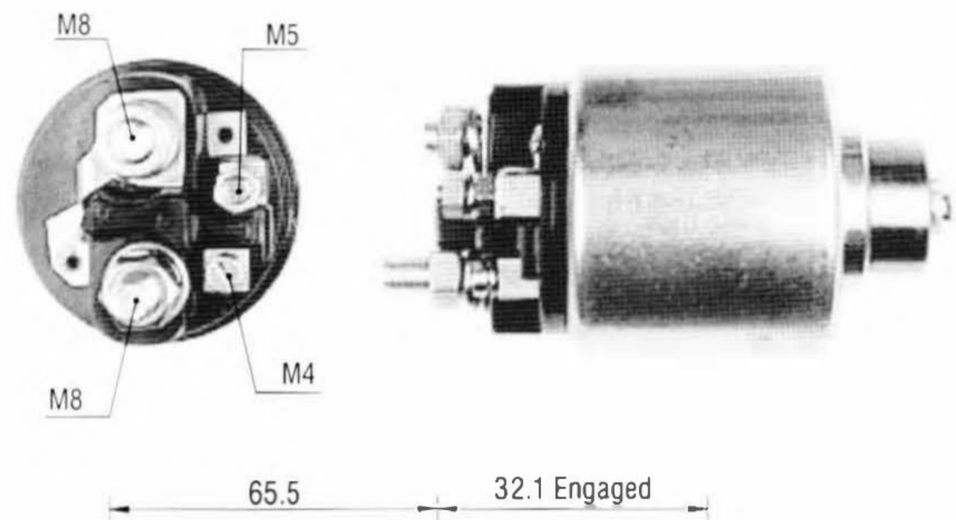
STARTERS:
Bosch: 0-001-359-090, 0-001-362-021 / 027 / 029 / 062 / 073 / 092, 0-001-367-028 / 029 / 030 / 037 / 045.

OEM SOLENOID:
Bosch:

0-331-401-040	0-331-402-035	0-331-402-501	0-331-402-539
0-331-402-001	0-331-402-039	0-331-402-504	
0-331-402-019	0-331-402-087	0-331-402-519	
0-331-402-030	0-331-402-205	0-331-402-535	

ZM 771 12V

CAP ZM 771.91



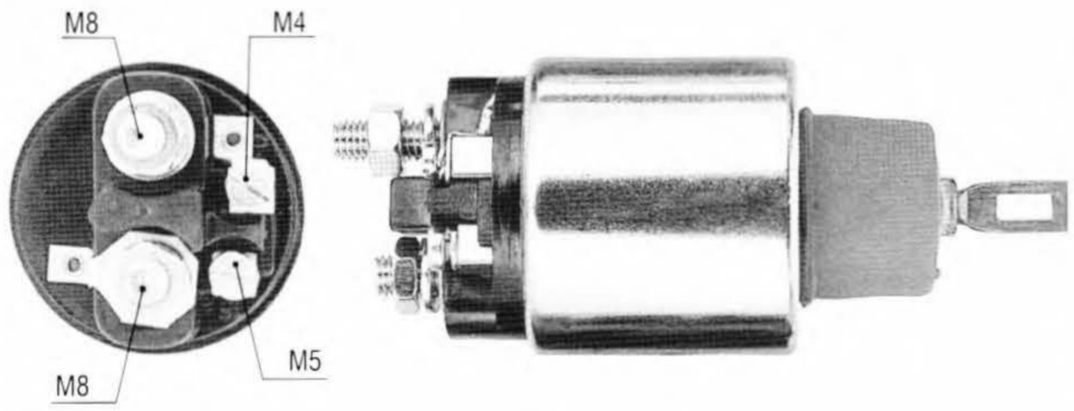
USED ON:
Peugeot, Porsche, Citröen.

STARTERS:
Bosch: 0-001-108-021, 0-001-208-211 / 221, 0-001-311-134 / 135.

OEM SOLENOID:
Bosch:
0-331-303-030
0-331-303-530

ZM 772 12V

CAP ZM 874.91



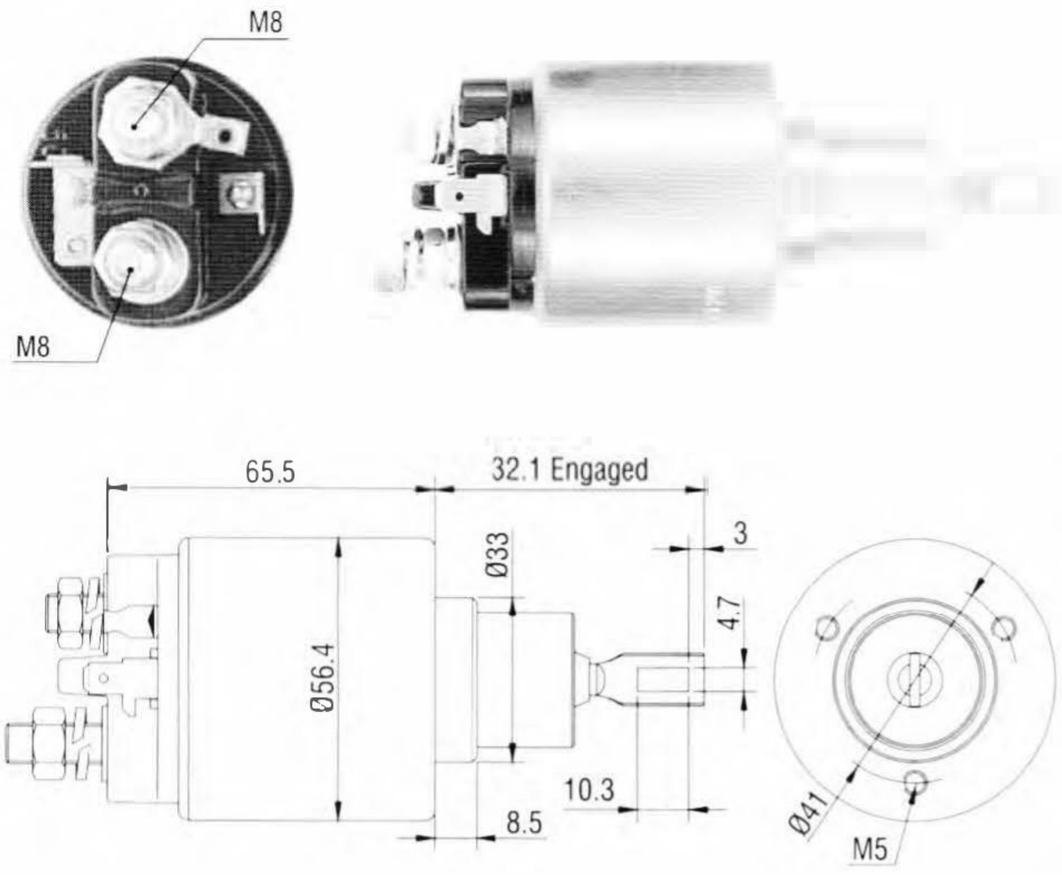
USED ON:
Mercedes: 450 and 300 (Diesel), 250, 250 T (09.79→07.85), 280 S, SE, SEL (12.79→07.85), 280 GE (11.79→08.89).

STARTERS:
Bosch: 0-001-314-005 / 028 / 029 / 030 / 041.

OEM SOLENOID:
Bosch:
0-331-303-012

ZM 773 12V

CAP ZM 773.91



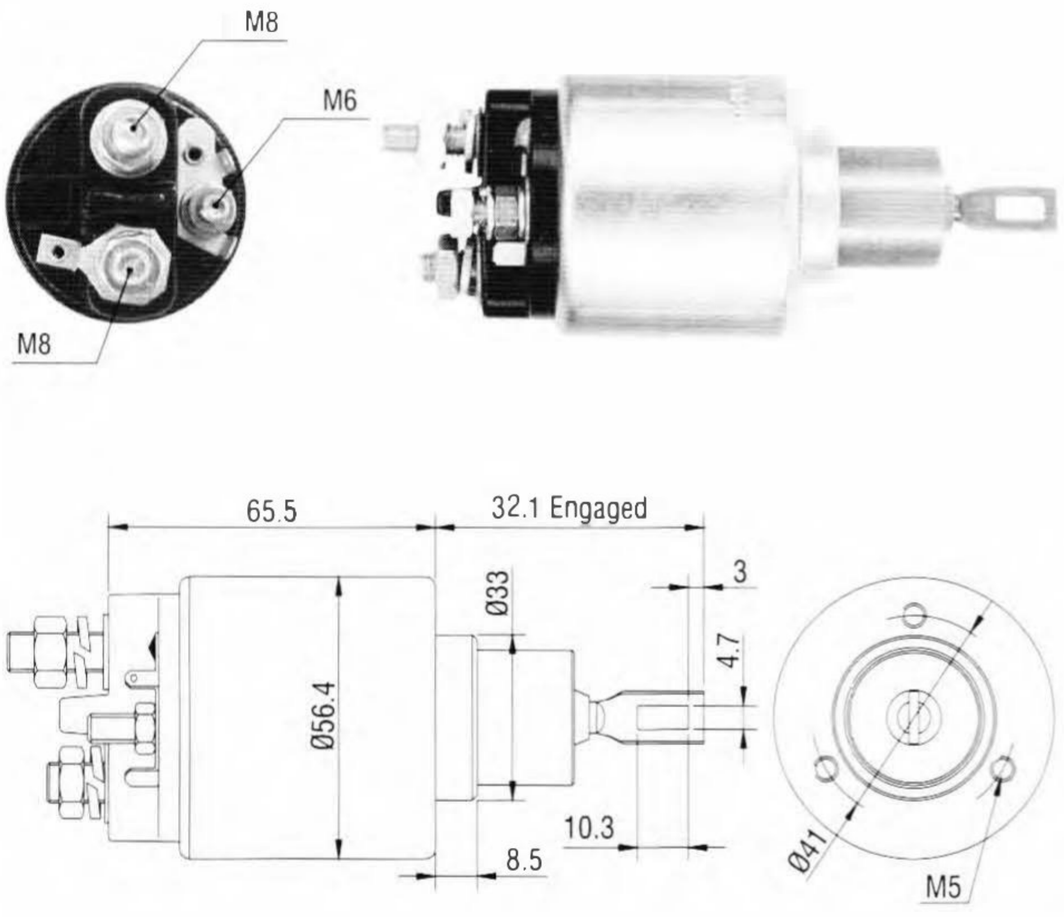
USED ON:
Ford: Escort 1.6i (AE), 1.8i and 2.0i (AP) (01.93→), Verona 1.8i and 2.0i (AP) (01.95→). **Volkswagen:** Logus, Pointer and Polo Classic 1.6i, 1.6Mi, 1.8i, 1.8Mi, 2.0i and 2.0Mi (01.95-→), Caddy 1.6, 1.8i, Corrado 1.8 16V, G60, Golf 1.4 Type III, Golf 1.6 Type I, II, III, Golf 1.6 D, TD, Golf 1.8 Type I, II, III, Golf 1.8 Syncro, Golf 1.8 16V, Golf GTI 1.8, 1.8i, 1.8 16V Jetta 1.8, 1.8 16V, Passat 1.6 TD, 1.8, 1.8 16V, 2.0, 2.0 16V, Multivan 2.0 Scirocco 1.6, 1.8, 1.8 16V, California 2.0, Caravelle 2.0, Transporter 2.0, 2.4 D. **Audi**: 80 1.8 E, 1.8i, 1.8 S, Audi 80 1.8 Quattro, 1.8 GTE Quattro, 1.9 E, Quattro, 2.0, Quattro, 2.0 16V, Audi 90 2.0, Audi 100 1.8, 2.0.

STARTERS:
Bosch: 0-001-112-005, 0-001-114-003 / 005, 9-000-081-001 / 002.

OEM SOLENOID:
Bosch:
0-331-303-094 9-330-081-050

ZM 775 12V

CAP ZM 775.91



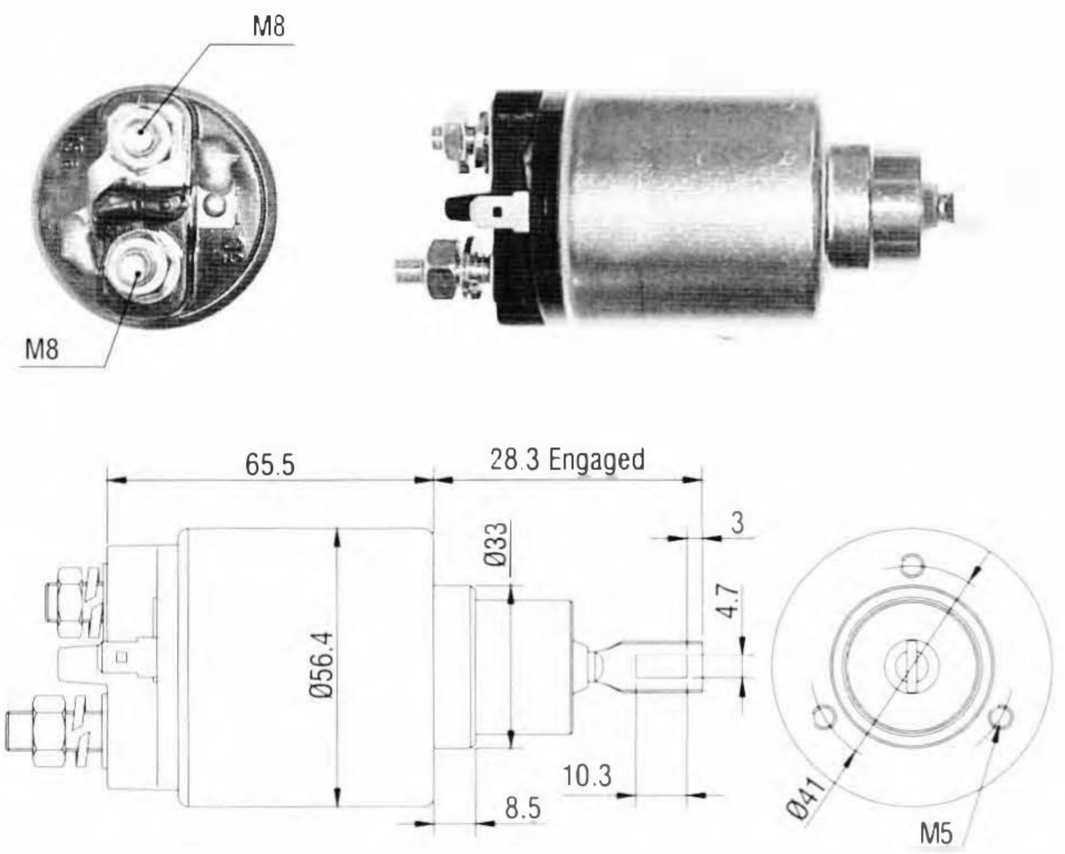
USED ON:
General Motors: Astra 1.8i, 2.0i, 2.0i 16V (02.99-→), S10 e Blazer 2.2 EFI e 2.2 MPFI (08.95-→), Corsa EFI, MPFI 1.0 e 1.4, Corsa (Hatch, Pick-up e Sedan) EFI, MPFI 1.6 e 1.6 16V, Omega e Suprema Powertech 2.0i, 2.2i, 3.0i (10.94-→), Vectra 2.0 EFI, 2.0 GLS e 2.0i GSI 16 V (04.96-→). **Opel:** Ascona 1.8i, S, 2.0i, Astra 1.8i, 2.0i, 2.0i 16 V, Calibra 2.0i, 16 V, 4x4, 2.0i Turbo, Frontera 2.0i, Kadett 1.8, 1.8i, GSI, 1.8 S, 2.0i, 2.0i 16 V, Gsi, Omega 1.8, 1.8i, 1.8 S, 2.0i, Vectra 1.8, 1.8i, 1.8 S, 2.0, 2.0i, 2000 16V, Blitz 2.0 D. **Vauxhal:** Carlton 1.8, 2.0, 2.0i 16V, Frontera 2.0i. **BMW:** Z1, 320i, 320i Touring, 325e, 325i, 325iX, 520i, 525e, 525i.

STARTERS:
Bosch: 0-001-107-015 / 044 / 066, 0-001-108-018 / 053 / 079 / 093 / 150 / 177, 0-001-110-124 / 125, 9-000-081-003 / 004.

OEM SOLENOID:
Bosch:
0-331-303-100 0-331-303-125 9-330-081-066
0-331-303-124 0-331-303-624

ZM 777 12V

CAP ZM 777.91



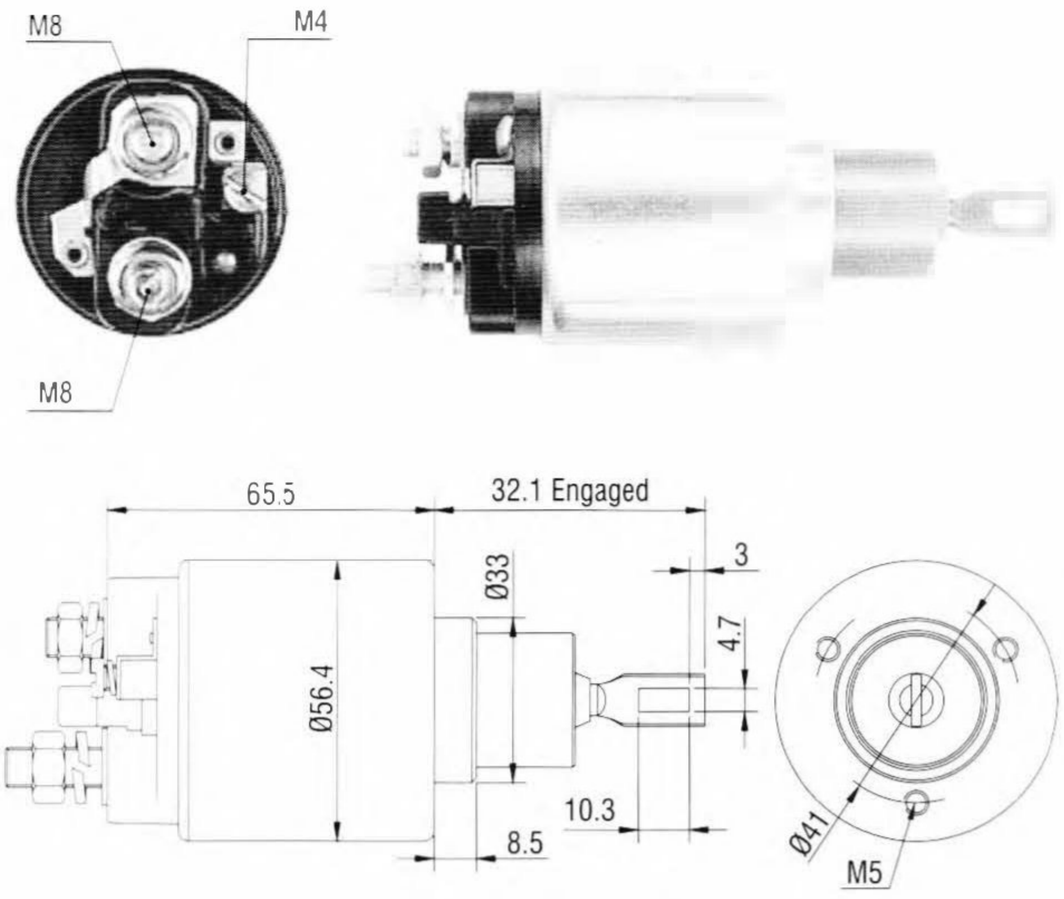
USED ON:
Renault: Clio 1.4, 1.4i, 1.6i, 1.8, 1.8i, 1.9 D, 2.0 16V, Express 1.1, 1.2, 1.4, 1.4i, 1.6 D, 1.9 D, Kangoo 1.4i, 1.9 D, Laguna 1.8, 2.0, Megane 1.4i, 1.6i, E, 2.0i, 2.0 16V, Rapid 1.6 D, 1.9 D, Le Car, Alliance and Encore.
Volvo: 340 1.6 D, 460, 480,

STARTERS:
Bosch: 0-001-108-143, 0-001-110-003 / 026 / 089, 0-001-208-100.

OEM SOLENOID:
Bosch:
0-331-303-062
0-331-303-562

ZM 778 12V

CAP ZM 778.91



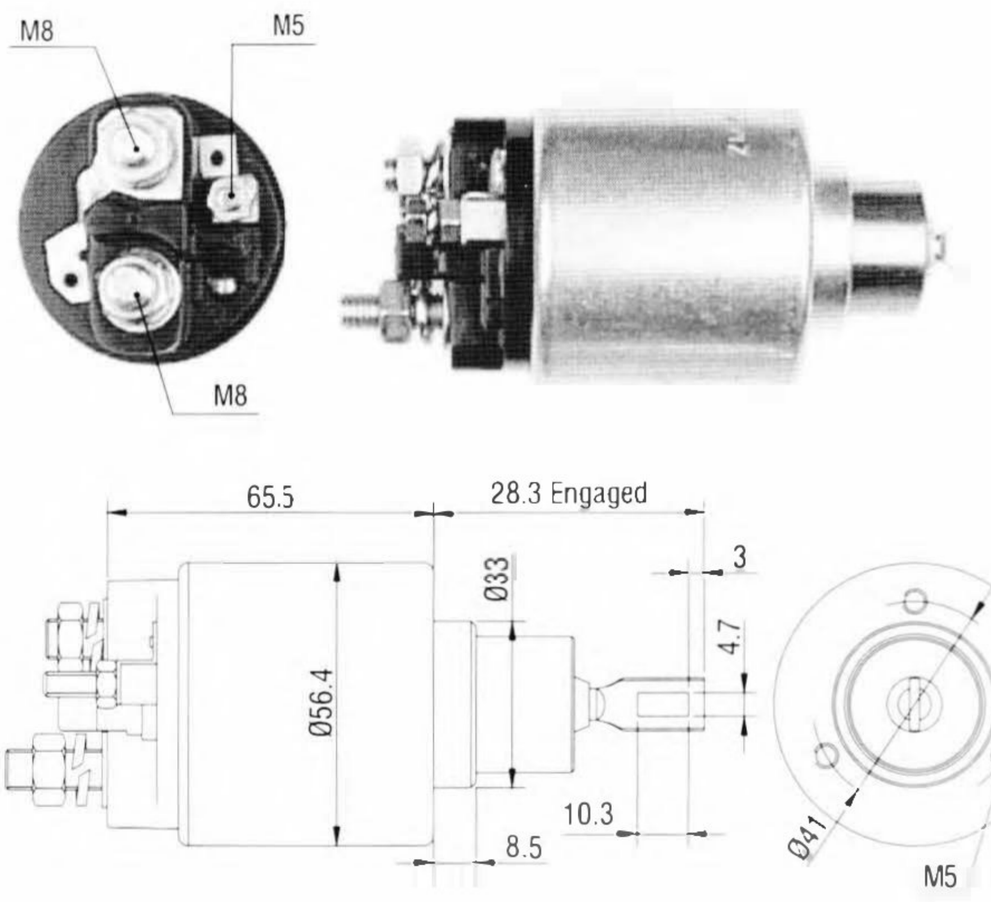
USED ON:
Mercedes: 420 SEL, 560, 500E and 400E.

STARTERS:
Bosch: 0-001-110-039 / 053 / 113.

OEM SOLENOID:
Bosch:
0-331-303-115

ZM 779 12V

CAP ZM 677.91



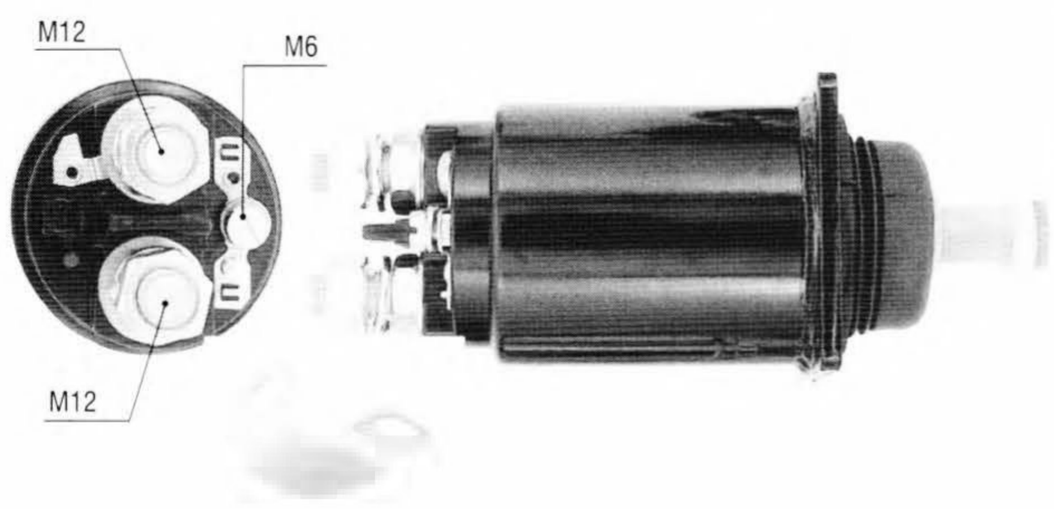
USED ON:
Renault: Clio 1.4, 1.4i, 1.6i, 1.8, 1.8i, 1.9 D, 2.0 16V, Express 1.1, 1.2, 1.4, 1.4i, 1.6 D, 1.9 D, Kangoo 1.4i, 1.9 D, Laguna 1.8, 2.0, Megane 1.4i, 1.6i, E, 2.0i, 2.0 16V, Rapid 1.6 D, 1.9 D, Alliance, Encore, Eagle Premier.

STARTERS:
Bosch: 0-001-108-051 / 056.

OEM SOLENOID:
Bosch:
0-331-303-106

ZM 831 12V

CAP ZM 831.91



USED ON:
Bosch "JE" Series Starters. **Ford New Holland:** Motor HTA 7/8, Motor TCP 7/8. **Volkswagen:** Caminhão 14.170, 14.210, 16.170, 16.210, 16.210 H, 16.220 H, 24.220. **Mercedes Benz:** Caminhões 1625 (OM 449 A), 1630 (OM 49 LA), 1825 (OM 449 A), 2325 (OM 449 A) (Todos 12V).

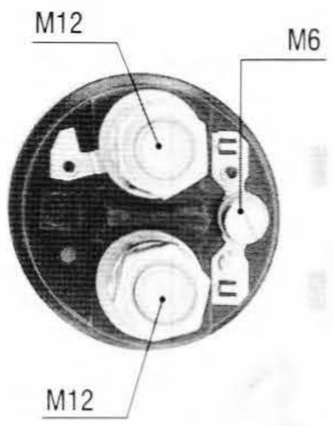
STARTERS:
Bosch: 0-001-370-001, 9-000-453-029 / 065 / 066 / 067.

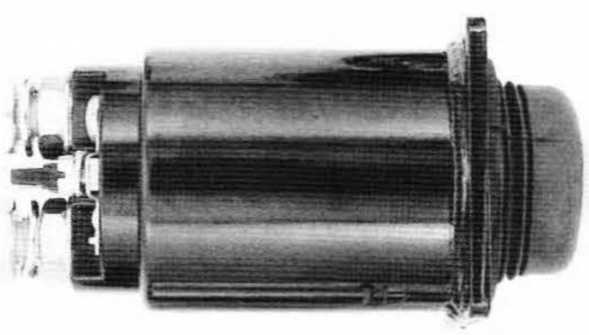
OEM SOLENOID:
Bosch:
9-330-451-058 9-330-451-069
9-330-451-064
9-330-451-065

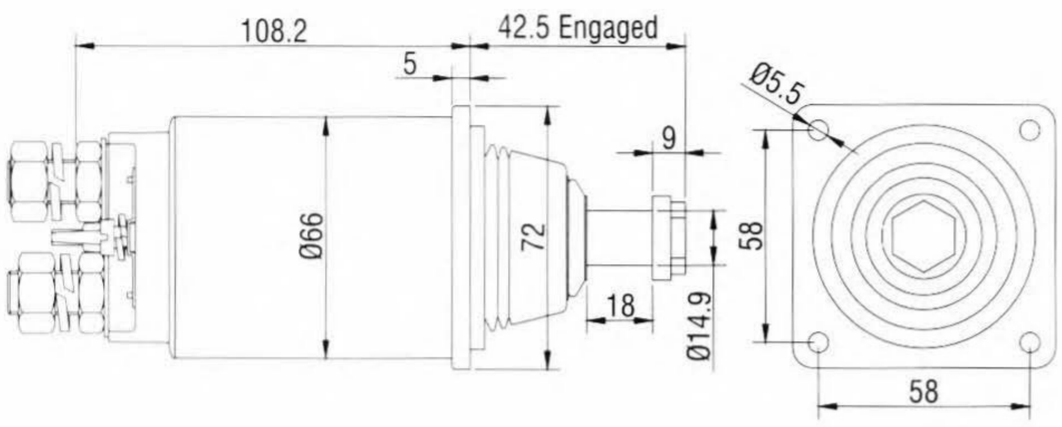
BOSCH

ZM 832 24V

CAP ZM 831.91







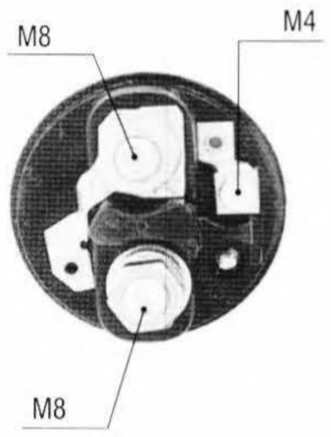
USED ON:
Mercedes Benz: Bosch "JE" Series Starters. Caminhão 1625 (OM 449 A) 1630 (OM 49 LA), 1825 (OM 449 A), 1935 (OM 447 LA), 1941 (OM 447 LA), 2325 (OM 449 A) (Todos 24V.

STARTERS:
Bosch: 9-000-453-068.

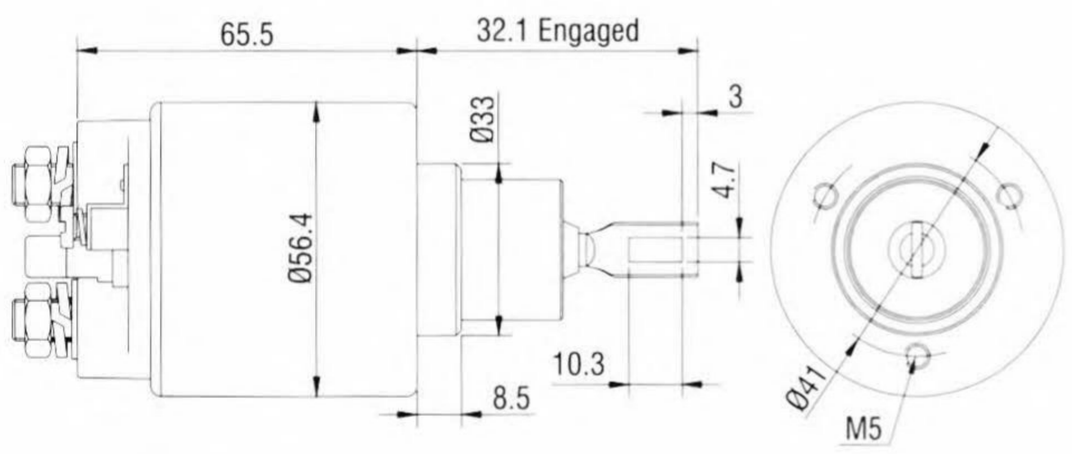
OEM SOLENOID:
Bosch:
9-330-451-059
9-330-451-070
9-330-451-071

ZM 871 12V

CAP ZM 871.91







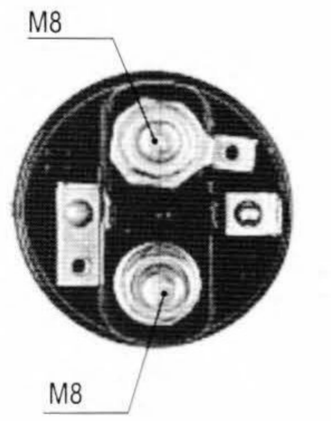
USED ON:
Volkswagen: Gol, Voyage, Parati, Saveiro 1.6 (AE 1600).

STARTERS:
Bosch: 9-000-082-072.

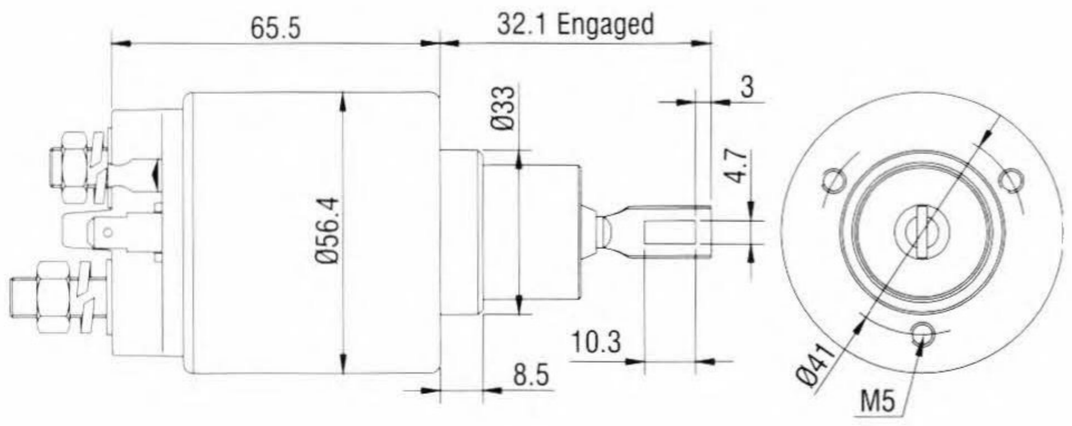
OEM SOLENOID:
Bosch:
9-330-081-061

ZM 872 12V

CAP ZM 574.91







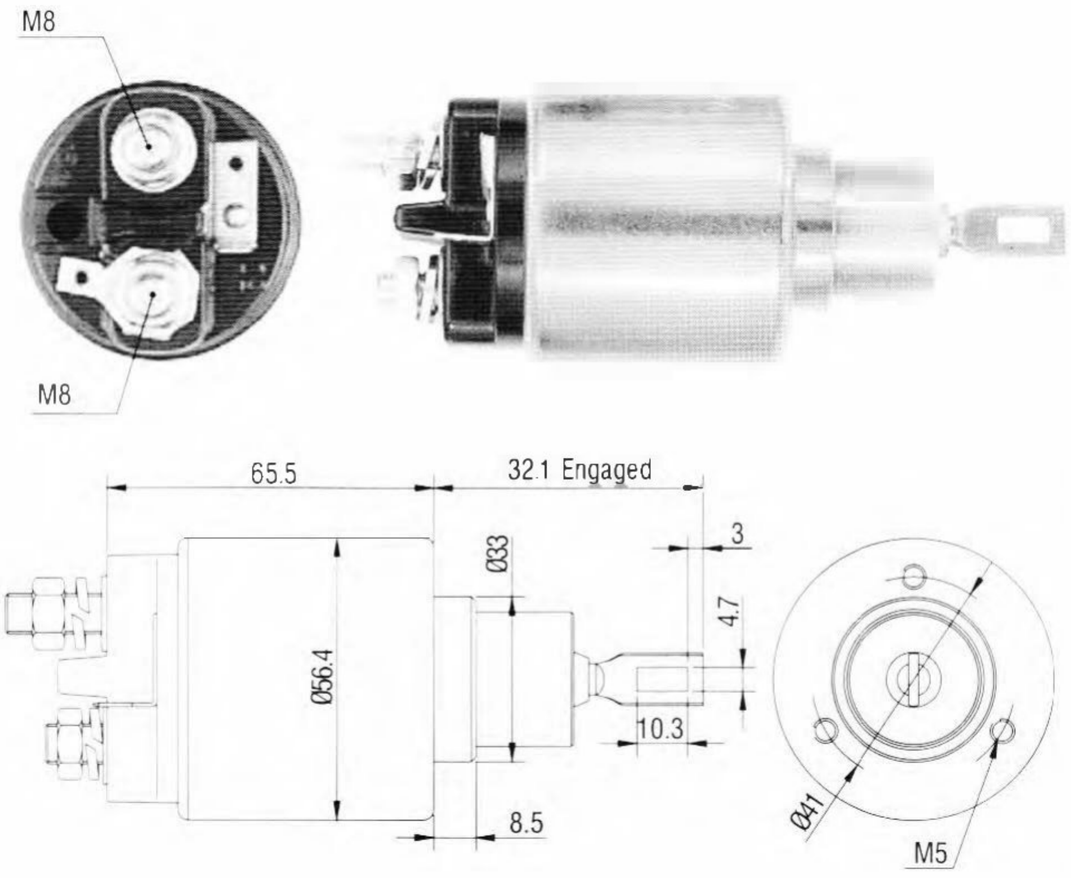
USED ON:
General Motors: Ipanema, Kadett 1.8, 1.8i, 2.0 e 2.0i, Kadett 2.0 Gsi (03.91→), Monza 1.6, 1.8, 1.8i, 2.0 e 2.0i (01.82→), Monza 2.0 MPFI Classic (03.91→), Pick-up S10 e Blazer 2.2 EFI (03.95→07.95).

STARTERS:
Bosch: 9-000-082-036 / 063.

OEM SOLENOID:
Bosch:
9-330-081-058

ZM 873 12V

CAP ZM 873.91



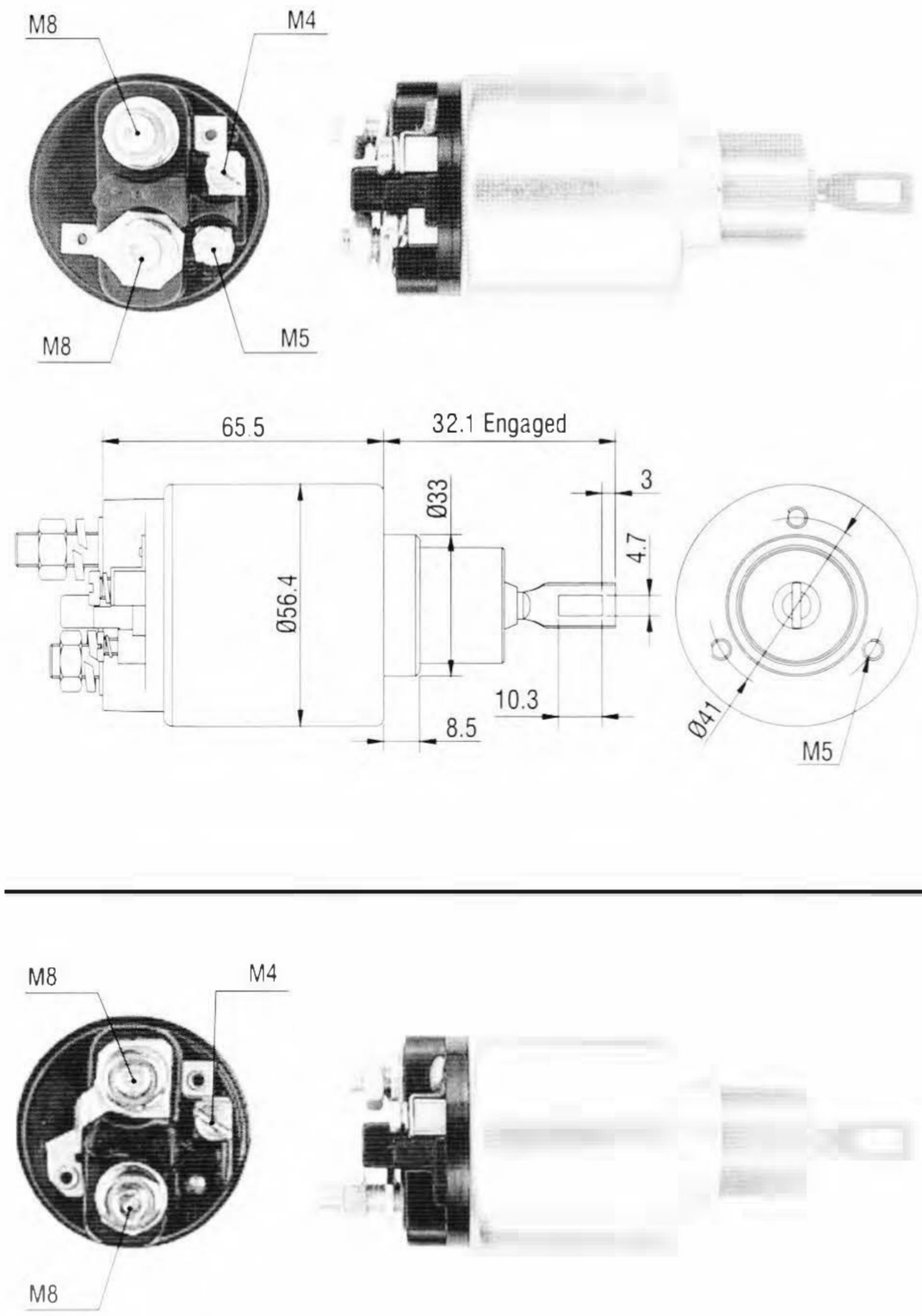
USED ON:
Ford: Escort Ghia, Xr3, Guarujá (AP 1.8), Verona GLX (1.8 AP) (06.89-→). **Volkswagen:** Apolo 1.8 GL e GLS (AP) (04.90-→). **Citröen:** Berlingo 1.8 D, 1.9 D, BX 17 D, 19 D, C 15 (Diesel), C 25 1.8, 2.0, Evasion 1.9 D, 2.0, Jumper 1.9 D, 2.0 D, Visa 17 D, Xantia 1.9 D, TD XM 2.1 D, TD, Xsara 1.9 D, TD. **Peugeot:** 205 (Diesel), 305 (Diesel), 306 1.8, 1.9 D, TD, 309 1.8, 1.9 D, 405 1.8 D, 1.9 D, TD, 406 1.9 D, 2.0i, Turbo, Boxer 1.9 D, TD, 2.5 D, TD, Expert 1.9 D, TD, Partner 1.8 D, 1.9 D. **Talbot:** Horizon 1.9 D, Solara (Diesel).

STARTERS:
Bosch: 0-001-110-017 / 999, 0-001-208-507, 0-001-507-707, 9-000-082-062.

OEM SOLENOID:
Bosch:
0-331-303-066
9-330-081-062

ZM 874 12V

CAP ZM 473.91



USED ON:
Mercedes Benz: 200, 200 E, T, TE, 230 E, CE, TE, E 200 E, MC 230 E, ML 230 E, SLK 200 E, SLK 230 Kompressor, 190 E 1.8, 190 E 2.3, C 180 E, C 200 E, C 220 E, C 230 E, CLK 200 E, Sprinter 214 2.3, Sprinter 314 D 2.3, Sprinter 414 2.3, Vito 113 2.0.

STARTERS:
Bosch: 0-001-108-003, 0-001-110-016, 0-001-314-027 / 036.

OEM SOLENOID:
Bosch:
0-331-303-035
0-331-303-053

ZM 875 12V

CAP ZM 875.91

USED ON:
Ford: Versailles, Royale com transmissão automática e EFI.
Volkswagen: Santana e Quantum 1.8Mi, 2.0Mi com câmbio automático (10.96→), Santana e Quantum com transmissões automáticas EFI.

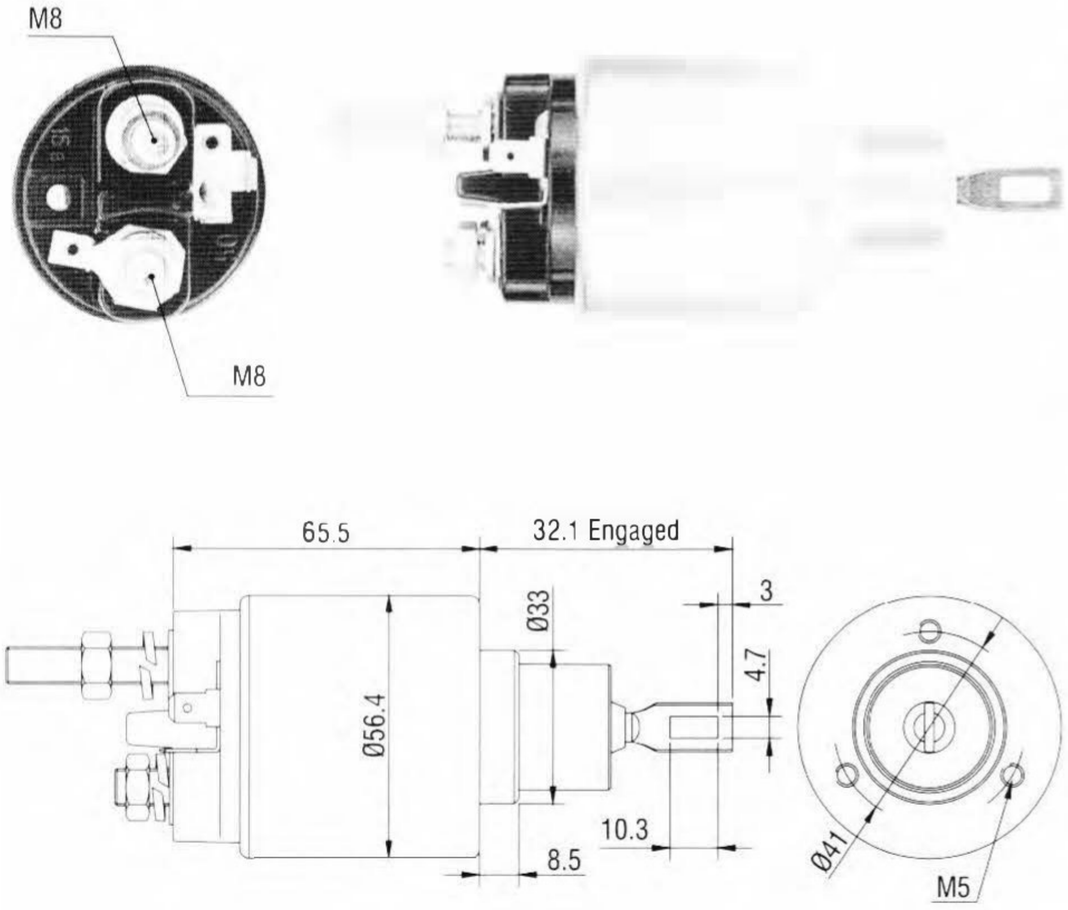
STARTERS:
Bosch: 9-000-081-007, 9-000-082-074.

OEM SOLENOID:
Bosch:
9-330-081-060

BOSCH

ZM 876 12V

CAP ZM 876.91



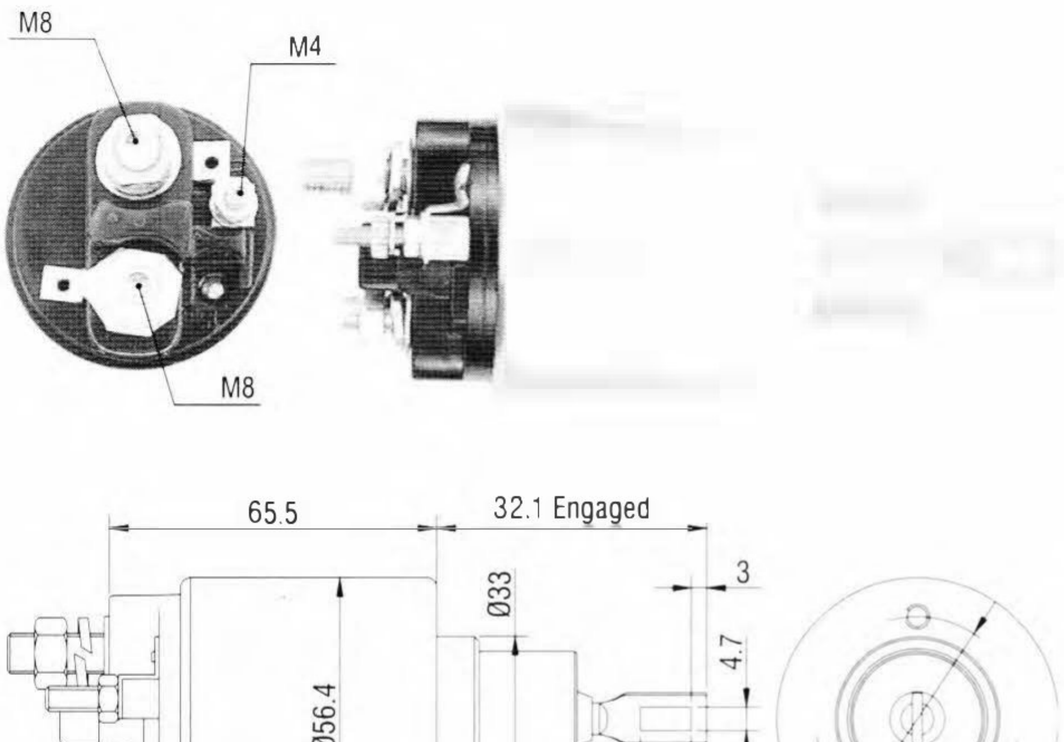
USED ON:
Volkswagen: Bus 1.6 D, TD, TD Syncro, 1.7 D, 1.9, 2.1, Caravelle 1.9, 1.9i, 2.1i, Syncro, Transporter 1.6, 1.6 D, TD, 1.7, 1.9, 2.0, 2.1, Syncro.

STARTERS:
Bosch: 0-001-110-009, 0-001-208-425 / 426 / 429, 0-001-211-253 / 254, 0-001-317-016 / 017.

OEM SOLENOID:
Bosch:
0-331-303-055 0-331-303-132
0-331-303-056
0-331-303-076

ZM 877 12V

CAP ZM 577.91



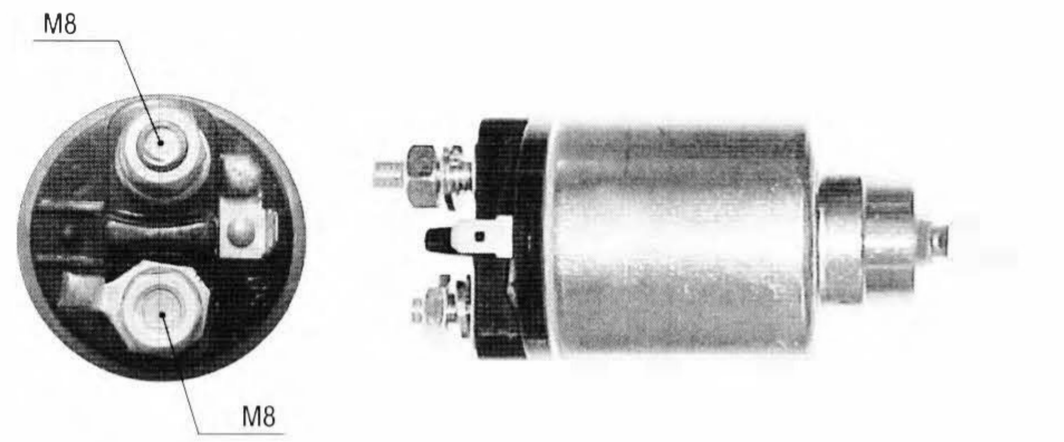
USED ON:
Chrysler: Acclaim, ES 2.2i, 2.5i, GS 2.2i Turbo, GTS 2.2i Turbo, 2.5i, 2.5i Turbo, Le Baron 2.2, 2.5, 3.0, New Yorker, Sundance, TC, Voyager 2.5i, 3.0 V6. **Dodge:** Caravan, Daytona, Dynasty, Spirit, Shadow. Plymout.

STARTERS:
Bosch: 0-001-108-046 / 066 / 068 / 069 / 070, 0-001-110-024, 0-001-208-404 / 407 / 420 / 421.

OEM SOLENOID:
Bosch:
0-331-303-108

ZM 878 12V

CAP ZM 878.91



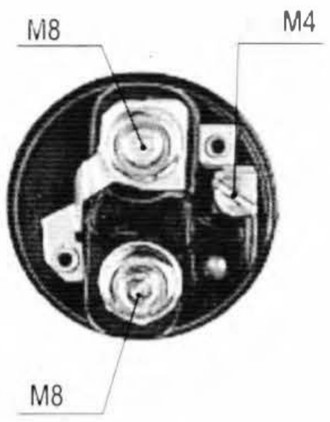
USED ON:
Fiat: Elba, Fiorino, Prêmio e Uno 1.6 (08.94→), Tempra Prata-Ouro 2.0 e 2.0 16V (11.91→), Tempra 2000 Turbo (04.94→), Tipo 1.6 ie (12.95→), Uno e Duna 1.4i, 1.6i (Argentina) (03.96→10.97), Uno Mille, Uno Mille Eletronic, Uno Mille ELX e Uno Mille EP (04.94→).

STARTERS:
Bosch: 9-000-081-005 / 008, 9-000-082-079 / 082 / 083 / 085.

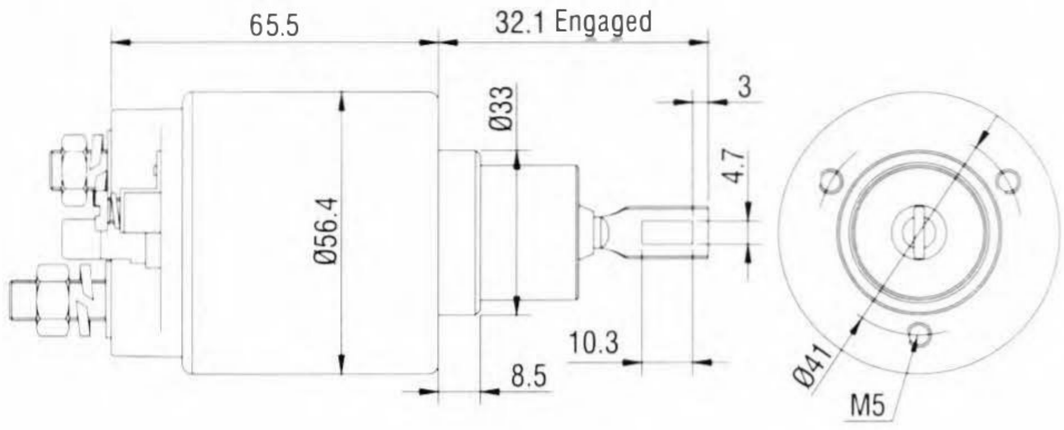
OEM SOLENOID:
Bosch:
9-330-081-065

ZM 879 12V

CAP ZM 875.91





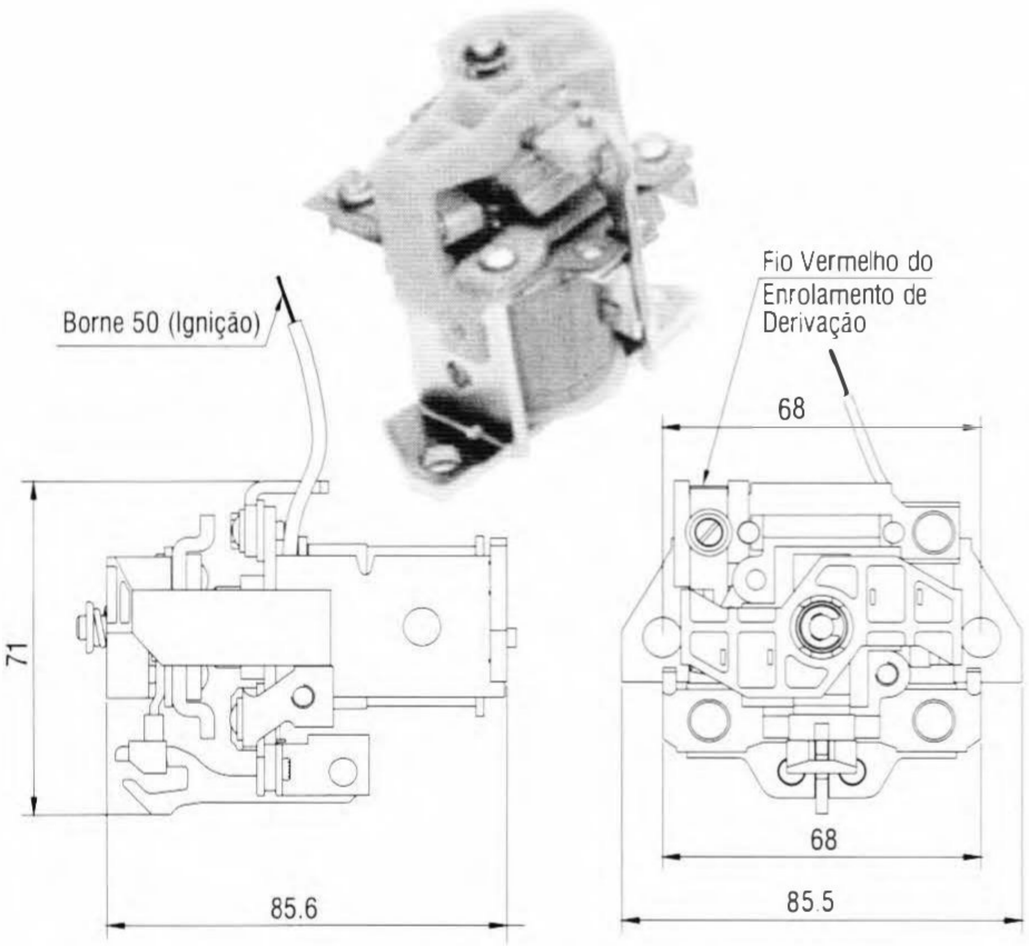


USED ON:
Volkswagen: Gol 1.0 e 1.0i (AE) (01.94→), Kombi 1.6 (08.93→).

STARTERS:
Bosch: 9-000-082-069 / 077, F-000-AL0-306.

OEM SOLENOID:
Bosch:
9-330-081-063

ZM 901 24V

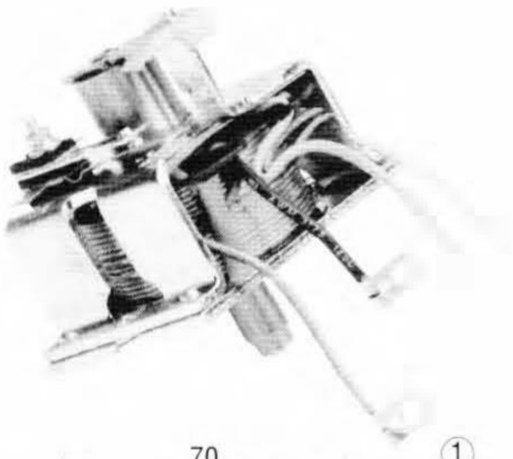


USED ON:
Atlas Copco, Caterpillar, Cummins, Fiat, Fiat Allis, Iveco, J.I. Case, Komatsu, Massey Fergusson, Mafersa, Mercedes Benz, MWM, Scania, Volvo, Volkswagen.

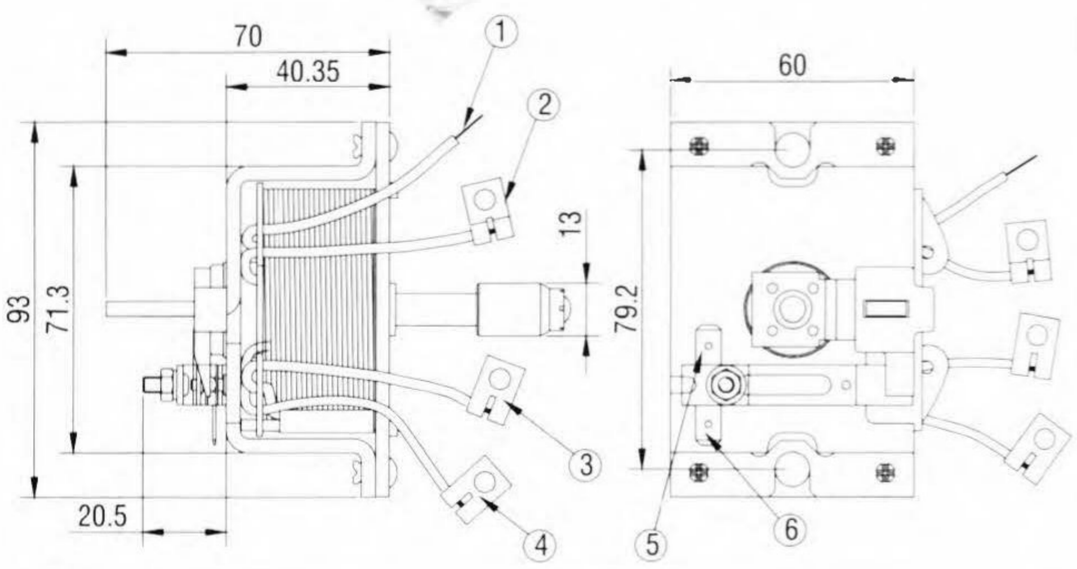
STARTERS:
Bosch: 0-001-410-021 / 041 / 089, 0-001-416-061, 0-001-417-064, 9-000-084-007 / 008 / 010 / 012 / 014 / 015 / 018 / 019 / 021 / 022 / 023 / 024 / 026.

OEM SOLENOID:
Bosch:
0-331-101-006

ZM 902 24V



1 → Borne 50 (Ignição)
2 → Porta escova negativo inferior
3 → Ponte de contato (ZM901)
4 → Porta escova positivo superior
5 → Porta escova positivo inferior
6 → Fio azul do enrolamento de derivação

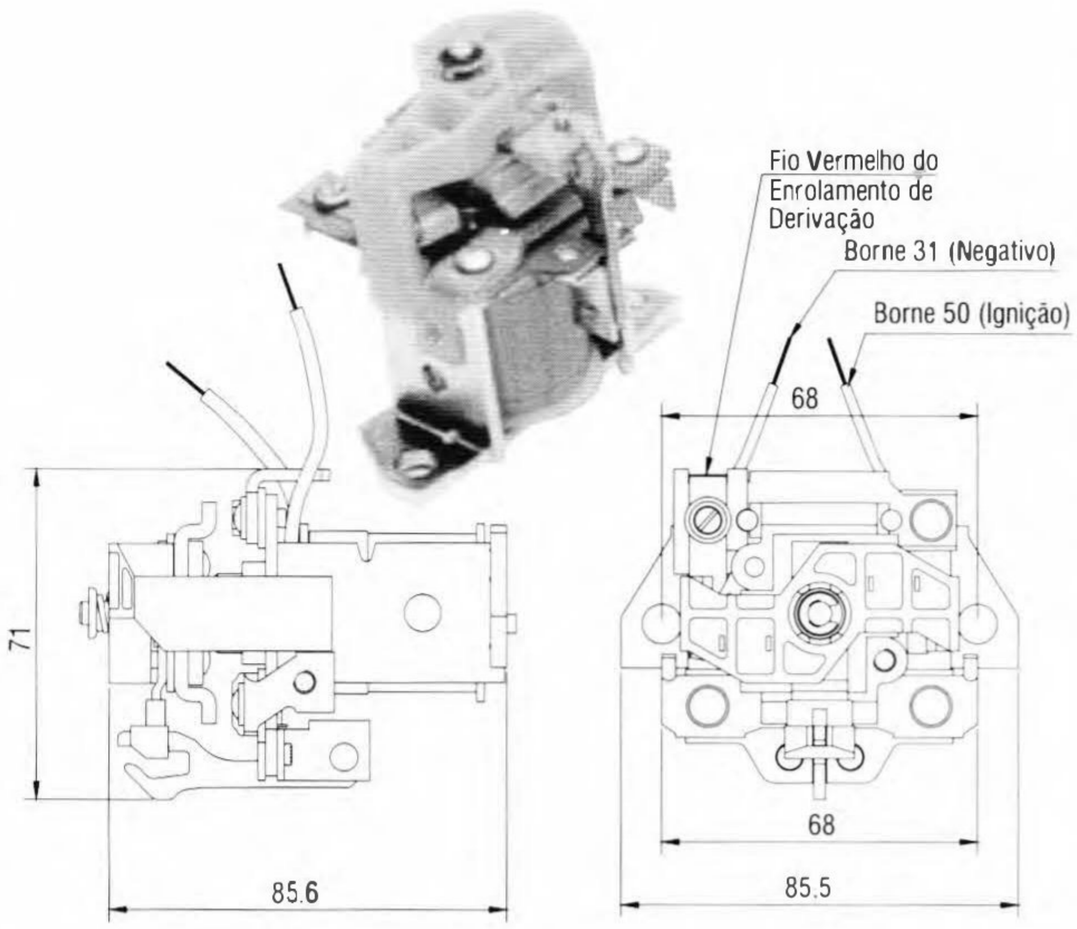


USED ON:
Atlas Copco, Caterpillar, Cummins, Fiat, Fiat Allis, Iveco, J.I. Case, Komatsu, Massey Fergusson, Mafersa, Mercedes Benz, MWM, Scania, Volvo, Volkswagen.

STARTERS:
Bosch: 0-001-410-021 / 041 / 089, 0-001-416-061, 0-001-417-064, 9-000-084-007 / 008 / 010 / 012 / 014 / 015 / 018 / 019 / 021 / 022 / 023 / 024 / 026.

OEM SOLENOID:
Bosch:
0-331-450-001

ZM 903 24V

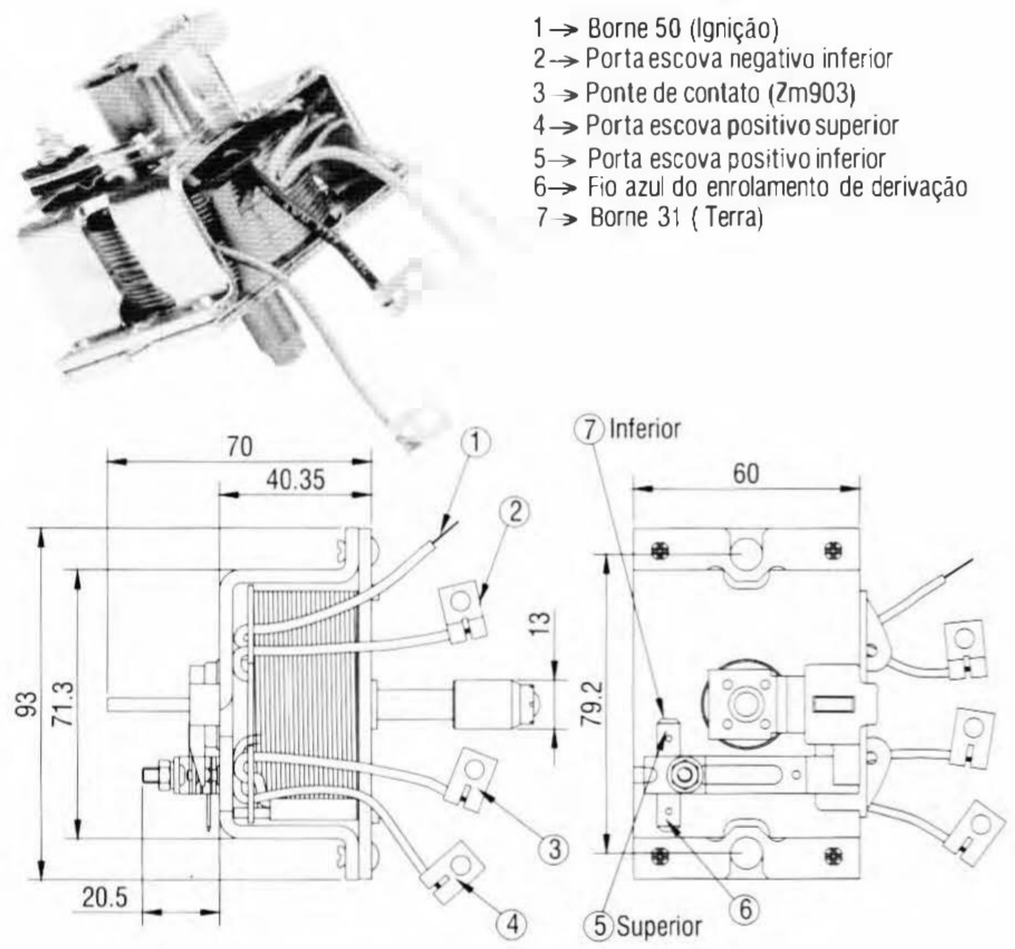


USED ON:
Caterpillar: Motor Maritmo. **DAF:** SB 201 DKDL. **Hanomag:** F162, 192, 262. **Cummins:** Motores N, NT, NTA, NTTA 855. **Scania:** Chassis para Ônibus BR 116S (DS11), Motores Marítimos DN 11, DS 11, DS 14, Plataforma p/ Ônibus K 112 (DN 11, DS 11), B110, B110 Super, BF110, B111, CR111, BF111, BK112, BR112, CR112, F112, G112, K112 CLB, L, LB, LBS, LBT, LS, LT110, LT111, Super, N112, P112, P113, R112, S112, T112. Mercedes, Kässbohrer.

STARTERS:
Bosch: 0-001-410-019 / 022 / 024 / 037 / 049 / 050 / 068 / 069 / 075 / 077 / 078 / 083 / 087 / 092 / 101 / 104 / 109, 9-000-084-011 / 013 / 016 / 020 / 025.

OEM SOLENOID:
Bosch:
0-331-101-005

ZM 904 24V



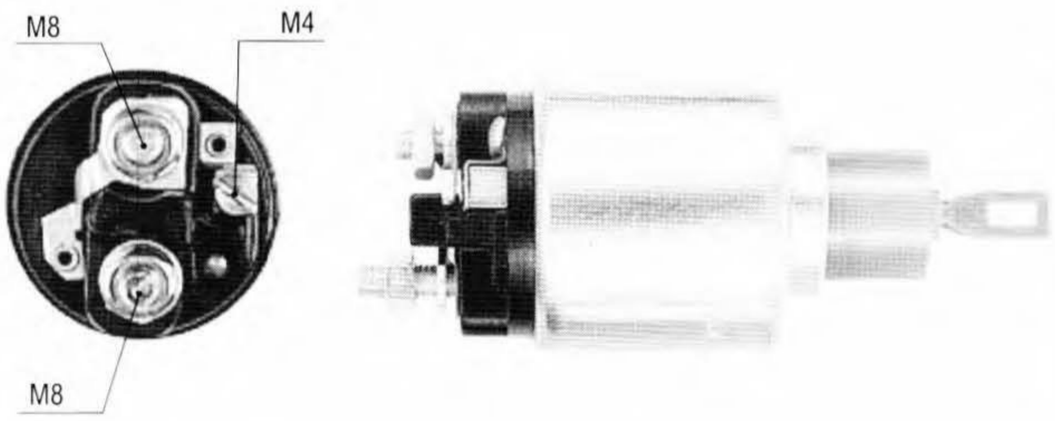
USED ON:
Caterpillar: Motor Maritmo. **DAF:** SB 201 DKDL. **Hanomag:** F162, 192, 262. **Cummins:** Motores N, NT, NTA, NTTA 855. **Scania:** Chassis para Ônibus BR 116S (DS11), Motores Maritimos DN 11, DS 11, DS 14, Plataforma p/ Ônibus K 112 (DN 11, DS 11), B110, B110 Super, BF110, B111, CR111, BF111, BK112, BR112, CR112, F112, G112, K112 CLB, L, LB, LBS, LBT, LS, LT110, LT111, Super, N112, P112, P113, R112, S112, T112. **Volvo:** Caminhão FH 12 Globtrotter. Mercedes, Kässbohrer.

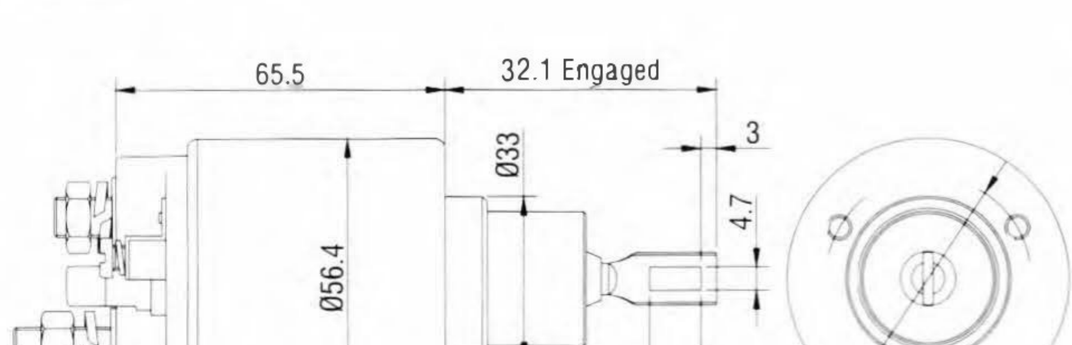
STARTERS:
Bosch: 0-001-410-019 / 022 / 024 / 037 / 049 / 050 / 068 / 069 / 075 / 077 / 078 / 083 / 087 / 092 / 101 / 104 / 109 / 113 / 117, 0-001-411-001 / 002 / 004 / 006, 9-000-084-011 / 013 / 016 / 020 / 025.

OEM SOLENOID:
Bosch:
0-331-450-002

ZM 971 12V

CAP ZM 875.91





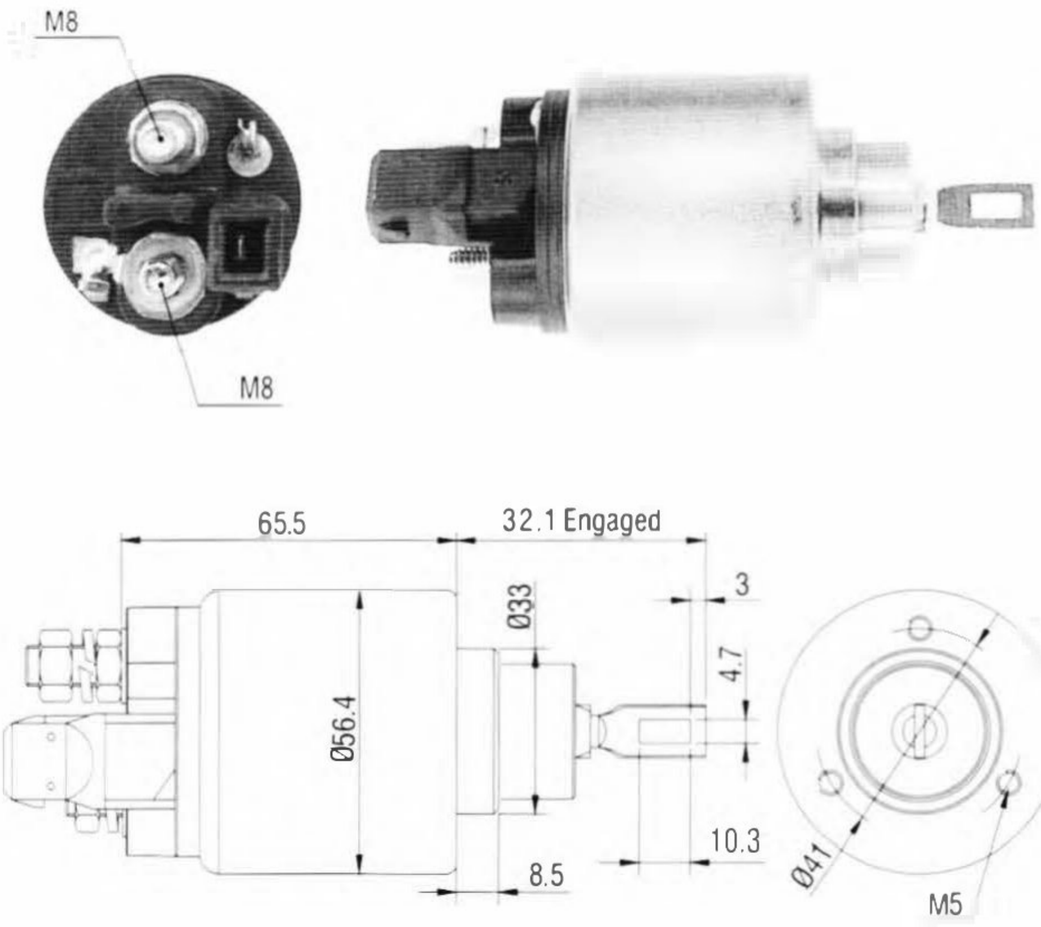
USED ON:
Ford: Corcel II, Belina II, Del Rey e Del Rey Scala 1.8 (AP 1800) (12.95→), Pampa 1.8 (AP) (02.90→), Versailles e Royale 1.8i e 2.0i (AP) (01.95→). **Volkswagen:** Gol e Parati 1.6i, e 1.6Mi, 1.8i e 1.8Mi, 2.0Mi e 2.0Mi 16V (AP) (10.96→), Santana e Santana Quantum 1.8Mi, 2.0Mi, com câmbio manual (10.96→), Santana e Santana Quantum 1.8i, 2.0i (03.93→), Gol 1.8i, 2.0i, 2.0 GTi, Parati 1.8i, 2.0i (01.95→).

STARTERS:
Bosch: 9-000-081-006, 9-000-082-064 / 076 / 078, F-000-AI0-301, F-010-AI0-103.

OEM SOLENOID:
Bosch:
9-330-081-064

ZM 972 12V

CAP ZM 972.96



USED ON:

Audi: Audi A3 1.6 e 1.6T, Audi A3 1.8 e 1.8T (08.98-→). **Volkswagen:** Gol 1.0Mi, Gol e Parati 1.0Mi 16V (09.97→), Golf III 1.8i, 2.0i e 2.0i 16V (01.99→), Golf III 1.8i e GTi 2.0 (12.94→12.97), Golf III e IV 1.8 e 2.0 com câmbio automático e manual (08.98-→), New Beetle 2.0, 2.0i (importado) (2000), Caddy 1.6, Corrado 1.8 16V, G60, 2.0 16V, Passat 1.6, 1.8, 1.8 16V, 2.0, 2.0 16V, Polo 1.6, Polo Classic 100 1.6, Sharan 1.8, 2.0, Vento 1.4, 1.6, 1.8, 2.0, 2.0 16V, **Seat:** Alhambra 2.0i, Cordoba 1.6i, 1.8i, 2.0, Ibiza 1.8i, 2.0, Inca 1.6i, Toledo 1.8i.e., 16V, 2.0i.e..

STARTERS:

Bosch: 0-001-107-020 / 021 / 022, 0-001-110-076 / 077 / 086, 0-001-112-021 / 027, 0-001-121-007 / 009, 9-000-081-010.

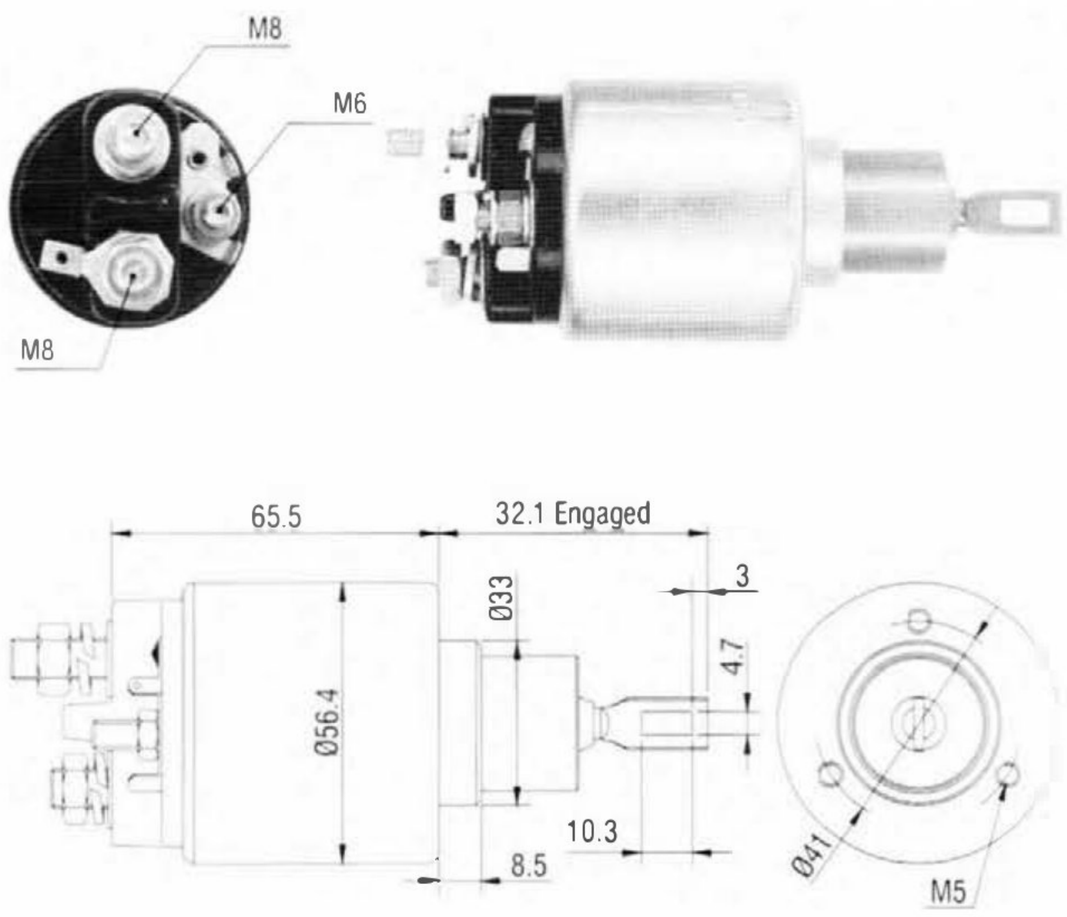
OEM SOLENOID:

Bosch:

0-331-303-147 2-339-303-724
2-339-303-222 9-330-081-068

ZM 973 12V

CAP ZM 775.91



USED ON:

Ford: Escort 1.1, 1.3, 1.3i, 1.4, 1.4i, 1.6, 1.6i, Fiesta 1.0, 1.1, 1.1i, 1.3, 1.3i, 1.4, 1.4i, 1.6 XR2, 1.6 Turbo, 1.8, Si, XR2i, Orion 1.3, 1.3i, 1.4, 1.4i, 1.6, 1.6i, Sierra 1.6.

STARTERS:

Bosch: 0-001-107-027 / 028 / 029, 0-001-108-087 / 106 / 109 / 110 / 111 / 116, 0-001-113-009.

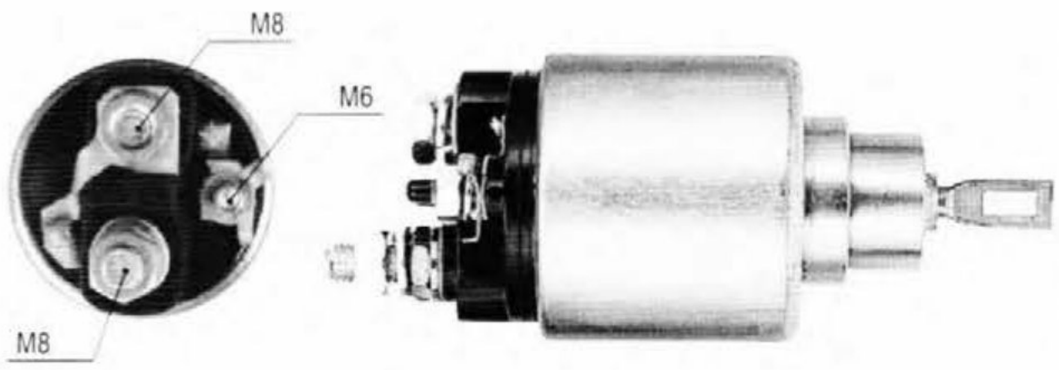
OEM SOLENOID:

Bosch:

0-331-303-140
0-331-303-640

ZM 974 12V

CAP ZM 974.91



USED ON:

Fiat: Palio 1.0 (07.96-→), Palio 1.6 (Argentina), Palio Weekend e Palio Siena 1.0 (07.98→), Palio, Palio Weekend, Palio Strada e Palio Siena 1.5 (07.96→).

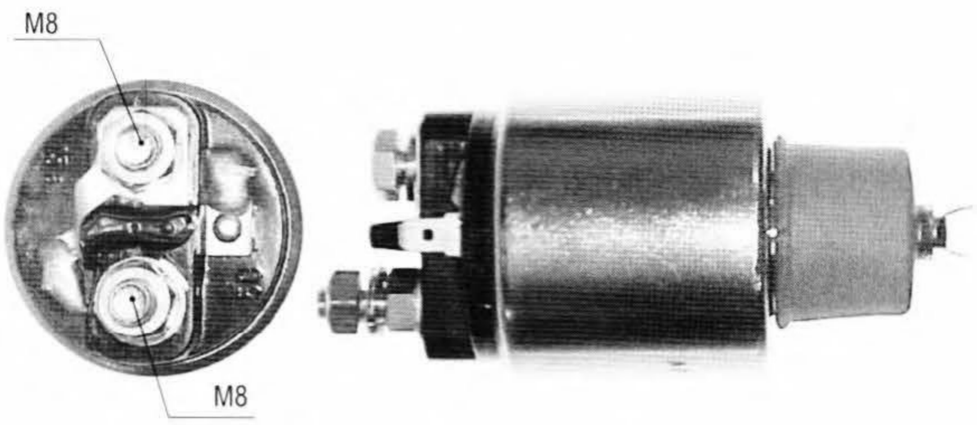
STARTERS:

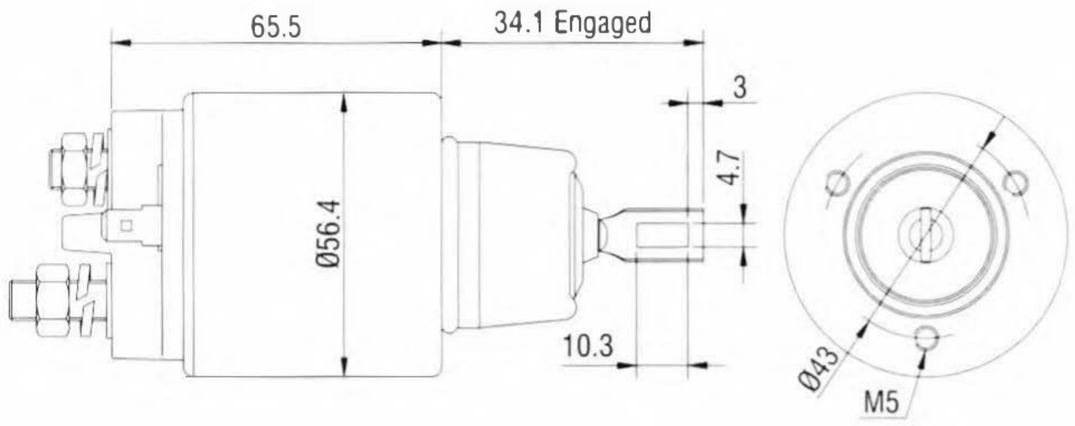
Bosch: 9-000-081-009, F-000-AL0-300, F-000-AL0-303, F-000-AL0-305 F-010-AL0-301.

OEM SOLENOID:

Bosch:

9-330-081-067





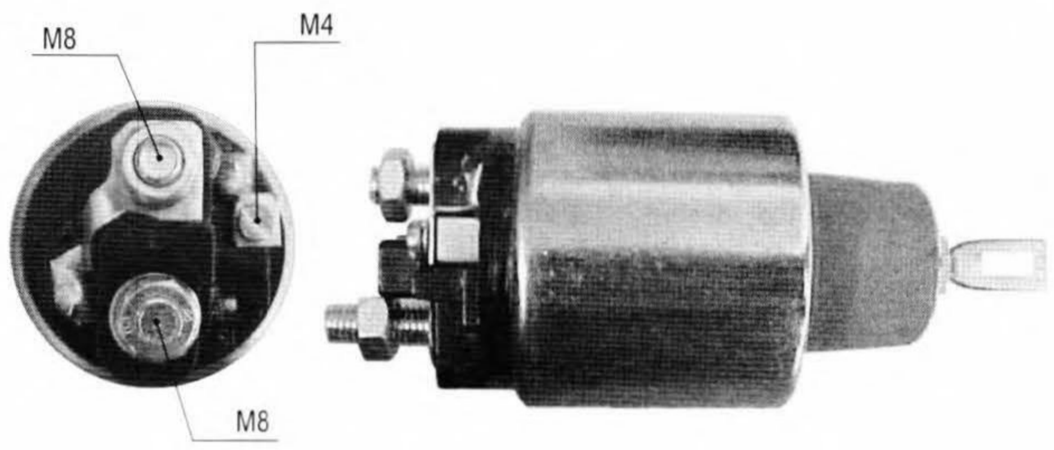
ZM 975 12V

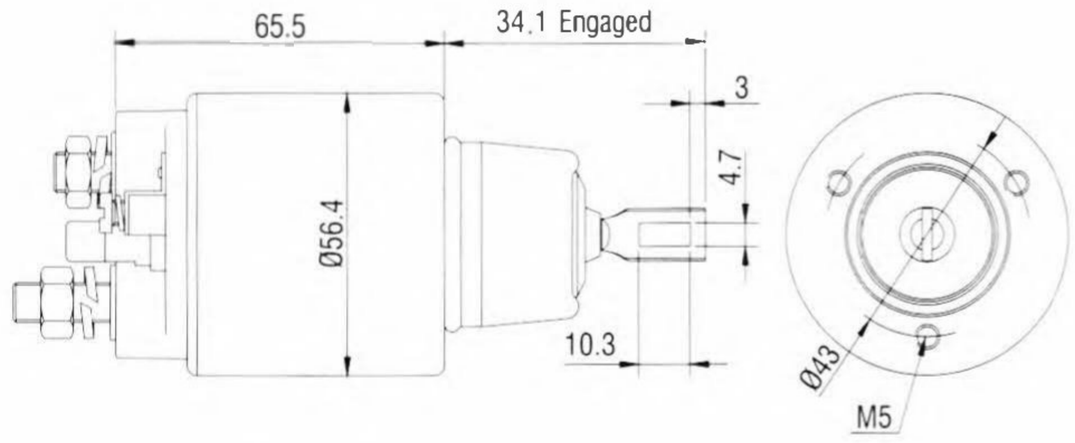
CAP ZM 975.91

USED ON:
Ford: Pick-up Série F-1000 e 1000 HSD (Maxion High Speed)(10.95→)
General Motors: Pick-up S10 e Blazer 2.5 L (Maxion High Speed) (01.97→). **Mercedes Benz:** Furgão Sprinter 310D (OM 014A) (09.96→).

STARTERS:
Bosch: 0-001-218-168, 9-000-331-432 / 433.

OEM SOLENOID:
Bosch:
9-330-331-006





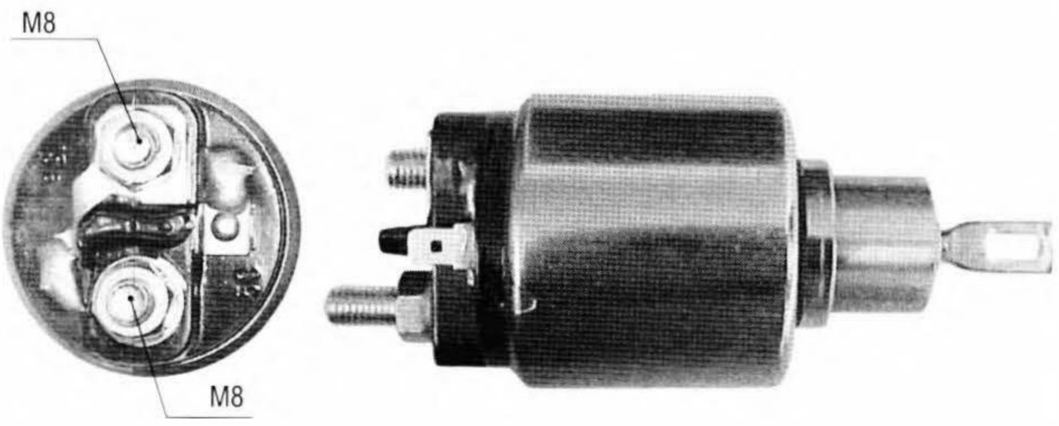
ZM 1-975 12V

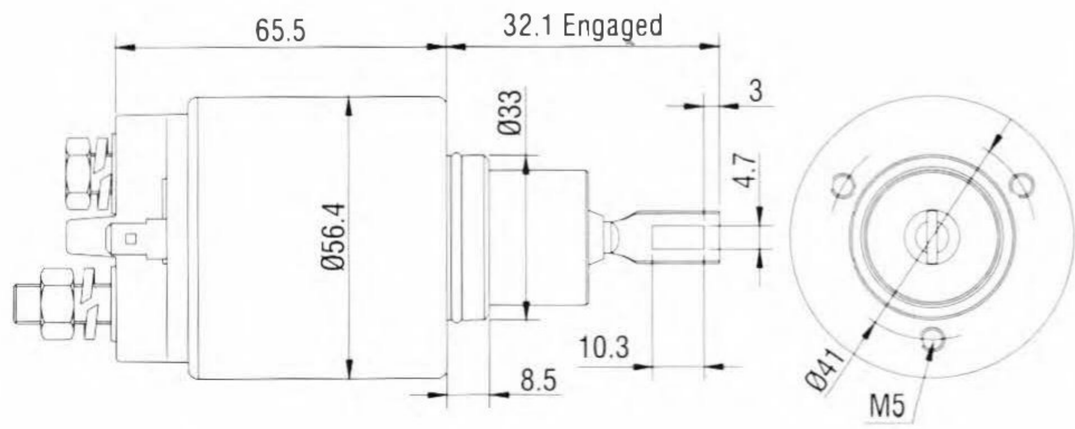
CAP ZM 778.91

USED ON:
KHD: BF4L1011 2.7, F2L1011 1.4, F3L1011 2.0, F4L1011 2.7.

STARTERS:
Bosch: 0-001-218-172, 0-001-223-002.

OEM SOLENOID:
Bosch:
9-330-331-010
9-330-331-510





ZM 976 12V

CAP ZM 975.91

USED ON:
Land Rover: Defender 2.5 Diesel (08.90→), Land Rover 90, 110 2.5 Diesel (00.84→00.90).

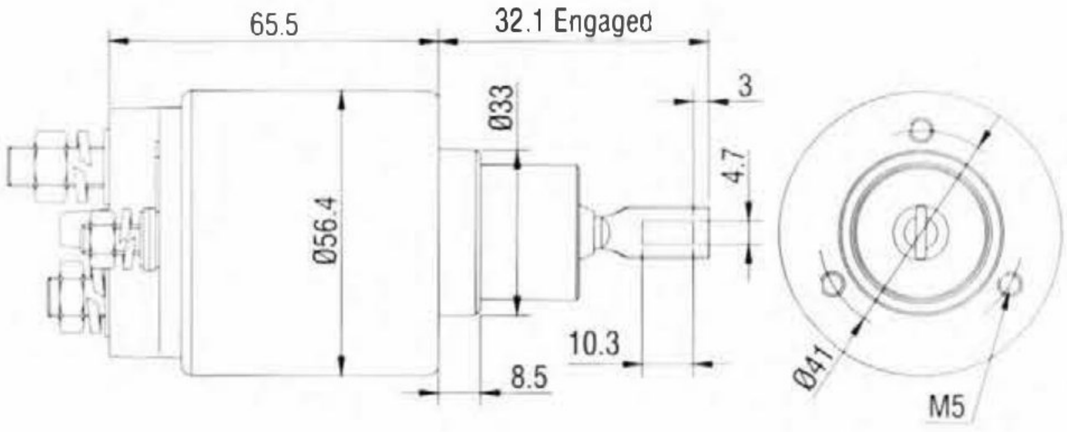
STARTERS:
Bosch: 0-001-218-152.

OEM SOLENOID:
Bosch:
0-331-303-165

ZM 977 12V

CAP ZM 977.91





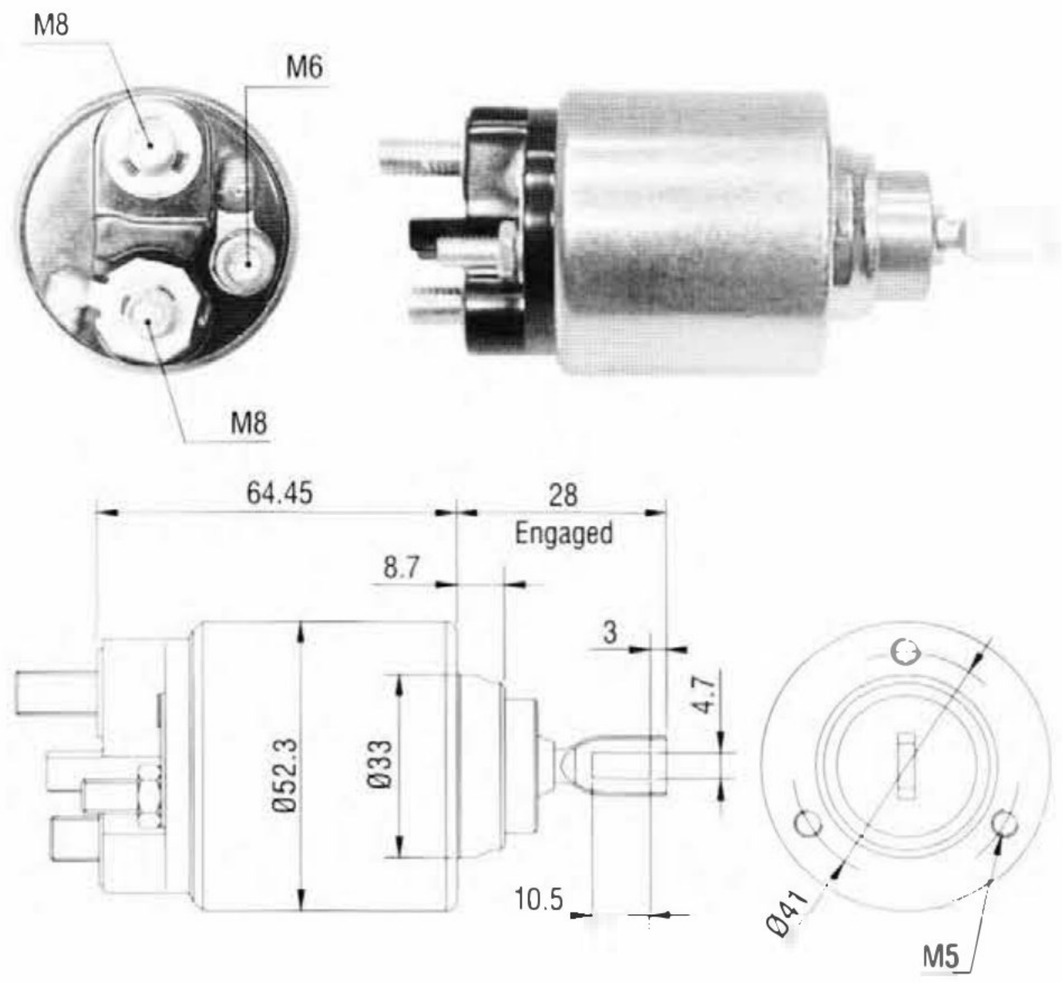
USED ON:
Fiat: Ducato 2.5 Diesel e Ducato 2.5 Diesel Turbo (03.94→).

STARTERS:
Bosch: 0-001-218-159.

OEM SOLENOID:
Bosch:
0-331-303-144

ZM 371 12V

CAP ZM 371.91



USED ON:
Ford: Escort com Motor Zetec 1.8i e 1.8i 16V (12.97→), Fiesta e Courier 1.4 16V com Motor Zetec (08.97→), Fiesta e Ka 1.0i, 1.3i, Courier 1.3i (05.96→).

STARTERS:
Bosch: 0-001-106-011, 0-001-107-016 / 041 / 046 / 059, 0-001-113-010.

OEM SOLENOID:
Bosch:
2-339-304-001

ZM 833 24V

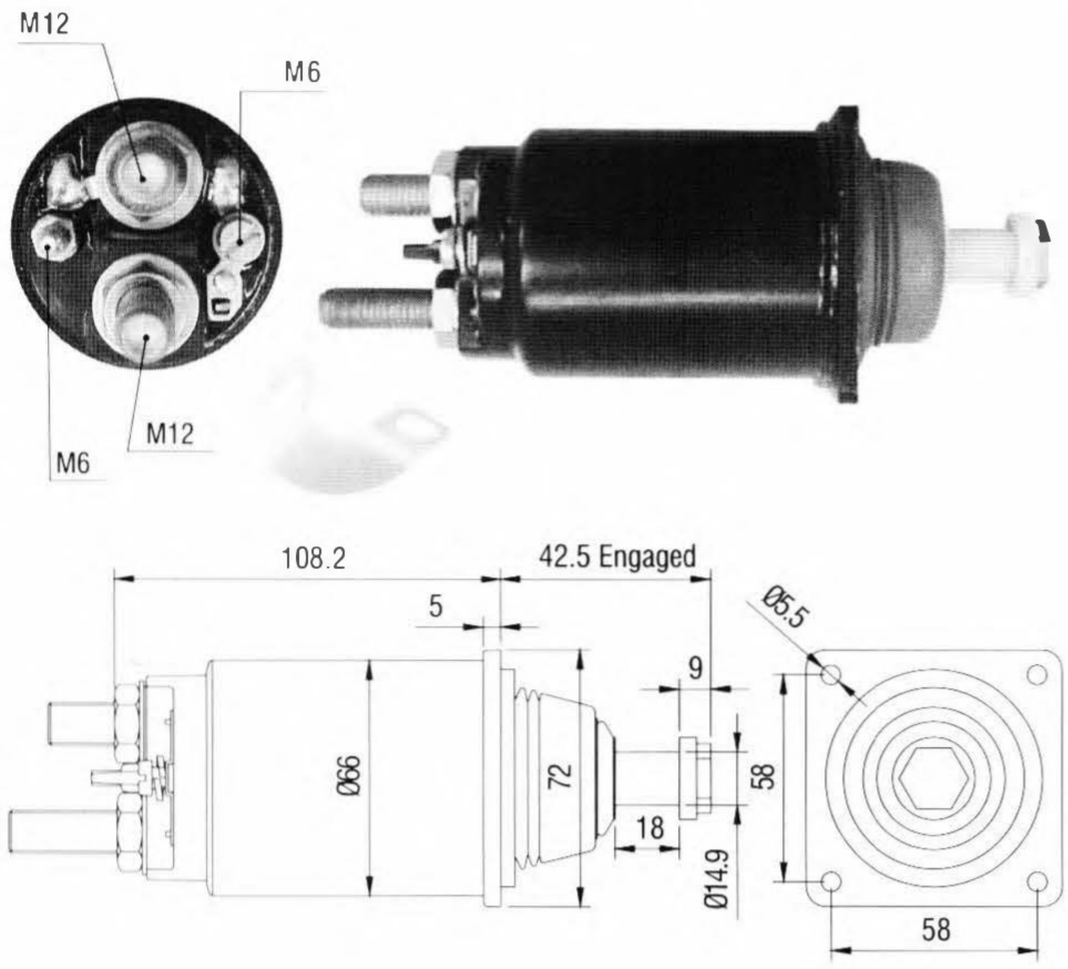


USED ON:
Scania: Motores Industriais DS 11 94A, DS 11 95A, DS 1196A, DS 11 97A, DSC 11 56A, DSC 11 57A , DSC 11 58A, DSI 11 71A, DSI 11 72A, K 124 (08.97→), P 124C (09.96→), R 124C (09.96→), R 124G, L (11.95→), T 124 (02.97→).

STARTERS:
Bosch: 0-001-371-004, 0-001-371-006, 0-001-371-008.

OEM SOLENOID:
Bosch:
2-339-403-006

ZM 834 24V

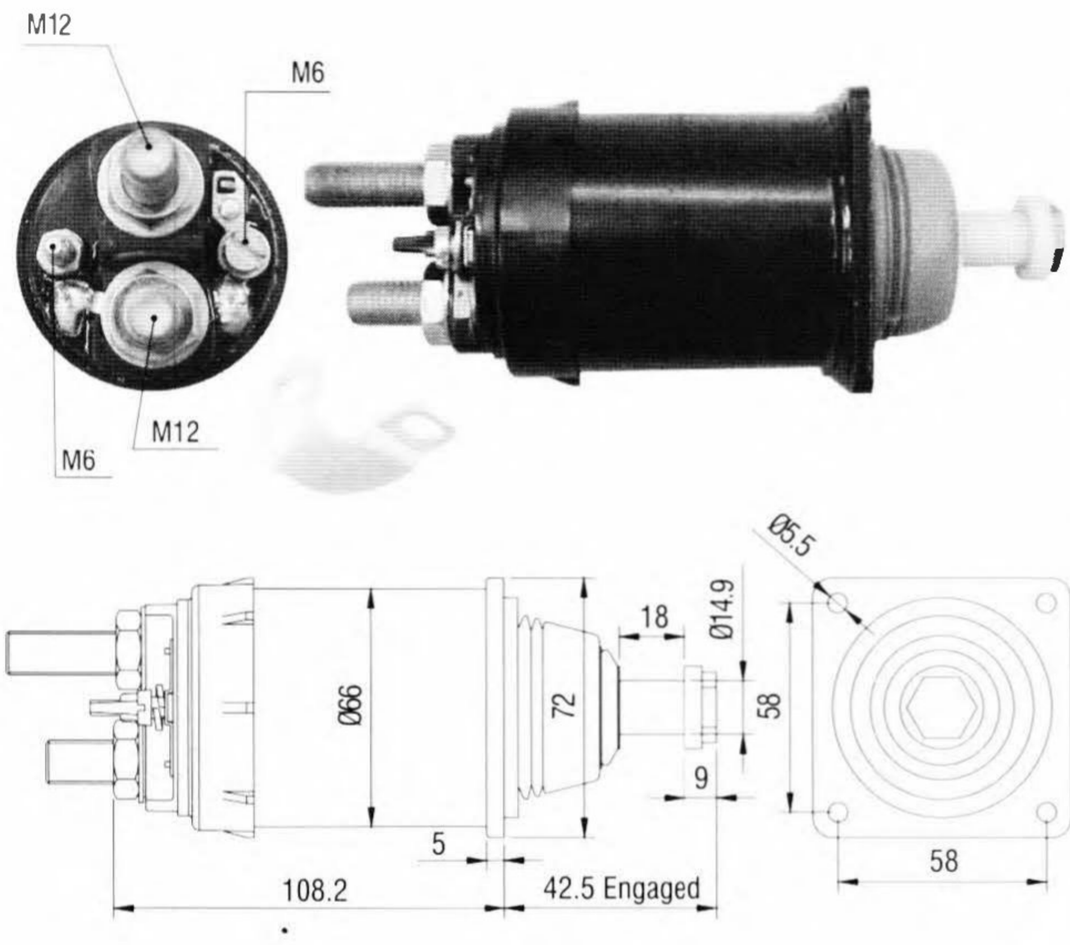


USED ON:
DAF 95

STARTERS:
Bosch: 0-001-371-010 / 013, 0-001-372-002 / 003.

OEM SOLENOID:
Bosch:
2-339-403-009

ZM 835 24V



USED ON:
Mercedes: Actros 1831, 1835, 1840, 1843, 1848, 1853, 2031, 2040, 2053, 2531, 2535, 2540, 2543, 2548, 2553, 2557, 2631, 2635, 2640, 2643, 2648, 2653, 2657, 3231, 3235, 3240, 3243, 3331, 3335, 3340, 3343, 3348, 3353, 3357, 4140, 4143, 4148 (09.96→).

STARTERS:
Bosch: 0-001-372-001, 0-001-372-005, 0-001-372-006.
Mercedes: 004 151 94 01.

OEM SOLENOID:
Bosch:
2-339-403-010

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

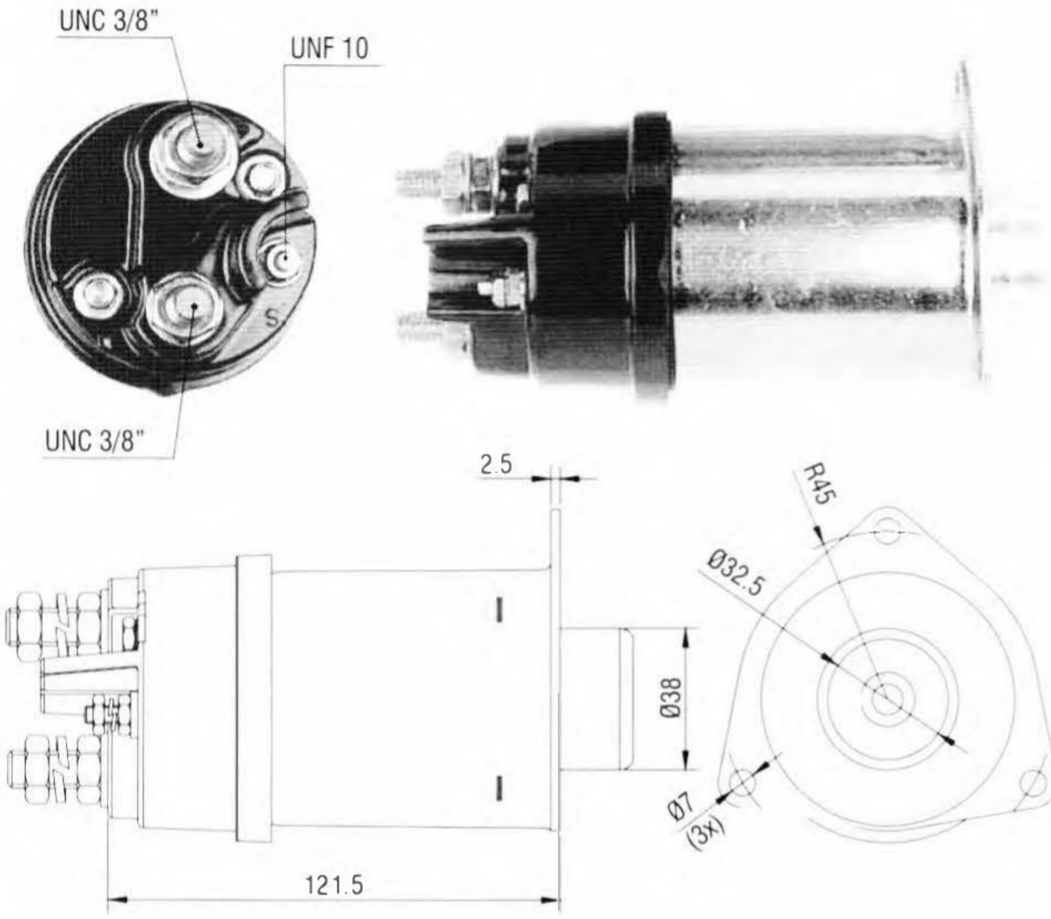
Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

DELCO

ZM 450 12V

CAP ZM 450.96



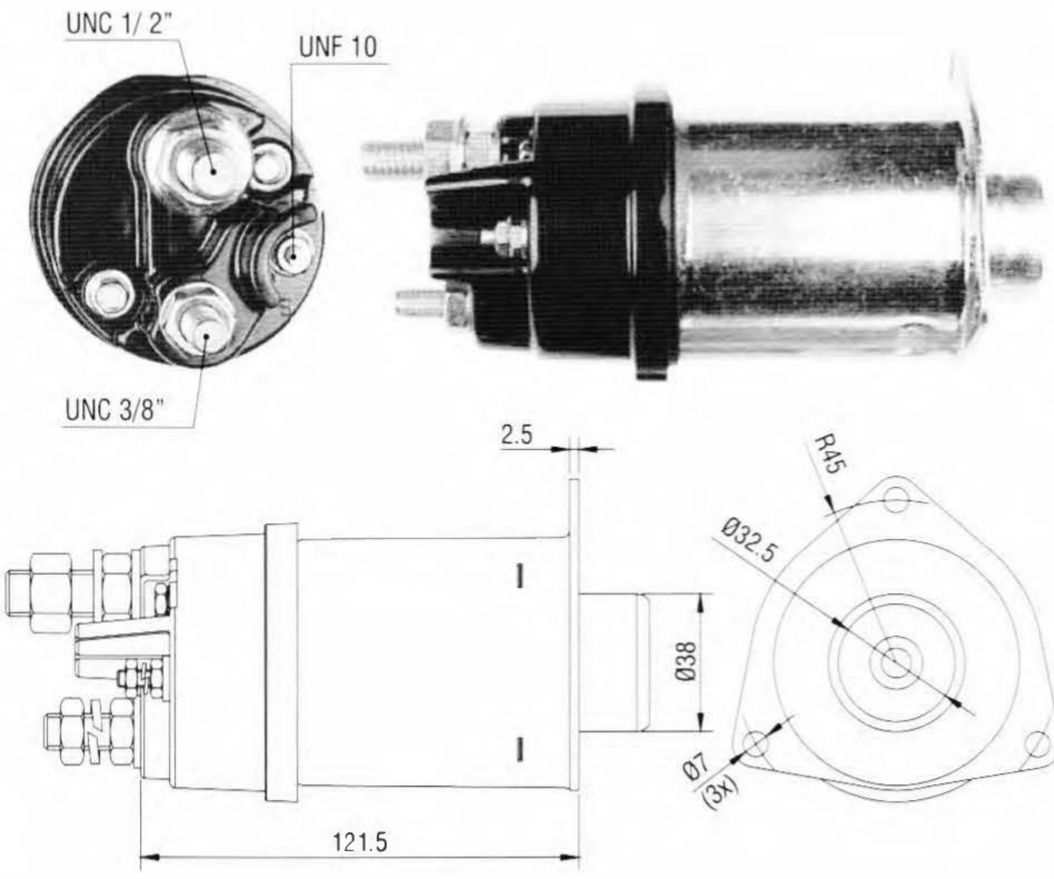
USED ON:
Toyota Pick-up, Celica, Corona, Cressida, Land Cruiser, Starlet, Supra, Tercel, International Harvester, Kenworth, Lister Diesel, Perkins Diesel Engines, Waukesha and White Farm. Delco 37 MT Series Starters.

STARTERS:
Delco: 1990311 / 312 / 318 / 321 / 322 / 326 / 327 / 336, 1993709 / 712 / 719 / 726 / 728 / 745 /746.

OEM SOLENOID:
Delco:
1115589

ZM 451 12V

CAP ZM 451.96



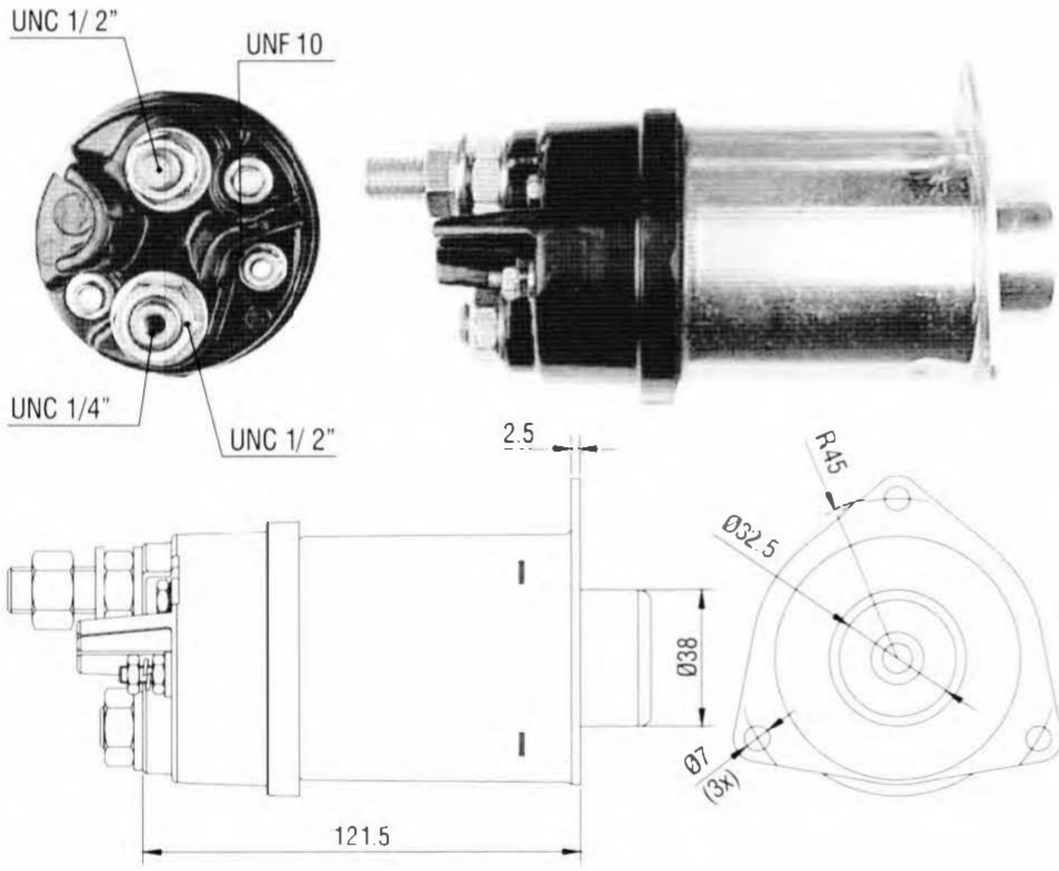
USED ON:
Chevy Truck, GMC Truck, Cummins Diesel Engines, Ford Truck and Waukesha. Delco 37 MT Series Starters.

STARTERS:
Delco: 1990308 / 319 / 341.

OEM SOLENOID:
Delco:
1115591

ZM 452 12V

CAP ZM 452.96



USED ON:
Clark Equipment, Cummins Diesel Engines, International Harvester, Lister Diesel, Perkins Diesel Engines, (VW, Ford with Motor Cummins Series "C" 6 Lts). Delco 37 MT Series Starters. (Motores de Partida Delco 37 MT).

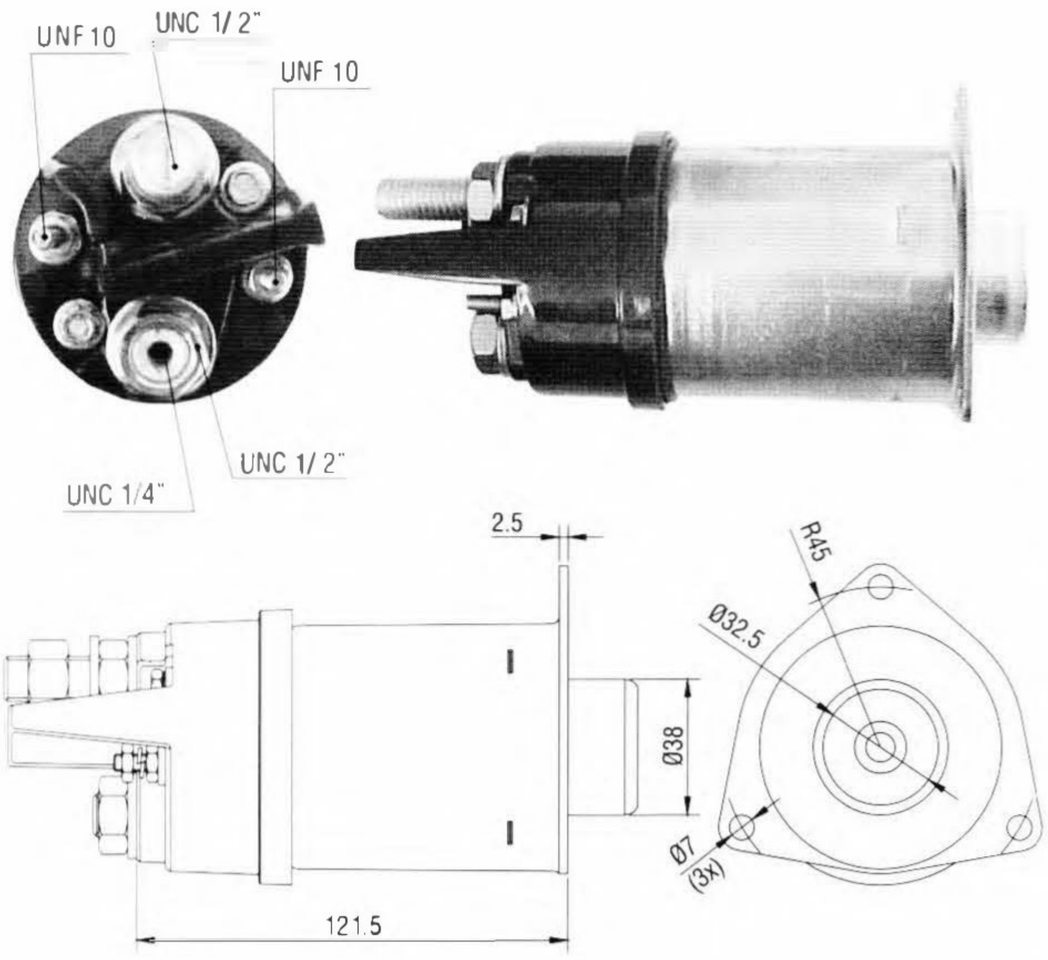
STARTERS:
Delco: 1990309 / 310 / 313 / 315 / 316 / 317 / 320 / 498, 1993705 / 713 / 736 / 737 / 738 / 754 / 755 / 756 / 759 / 761 / 762 / 763 / 764 / 765 / 768 / 769 / 770 / 778 / 787 / 789 / 794 / 817 / 819 / 832 / 837 / 850 / 853 / 855 / 865 / 869 / 871 / 873 / 874 / 878 / 879 / 880 / 881 / 883 / 884 / 885 / 886 / 887 / 898 / 928 / 931 / 950 / 951 / 963 / 964 / 979 / 994, 10478806 / 831, 10479036 / 068.

OEM SOLENOID:

Delco:	Ford:	Motorcraft:
1115609	E7HZ-11390-B	SW-2157
D904A		

ZM 2-452 12V

CAP ZM 6-452.96



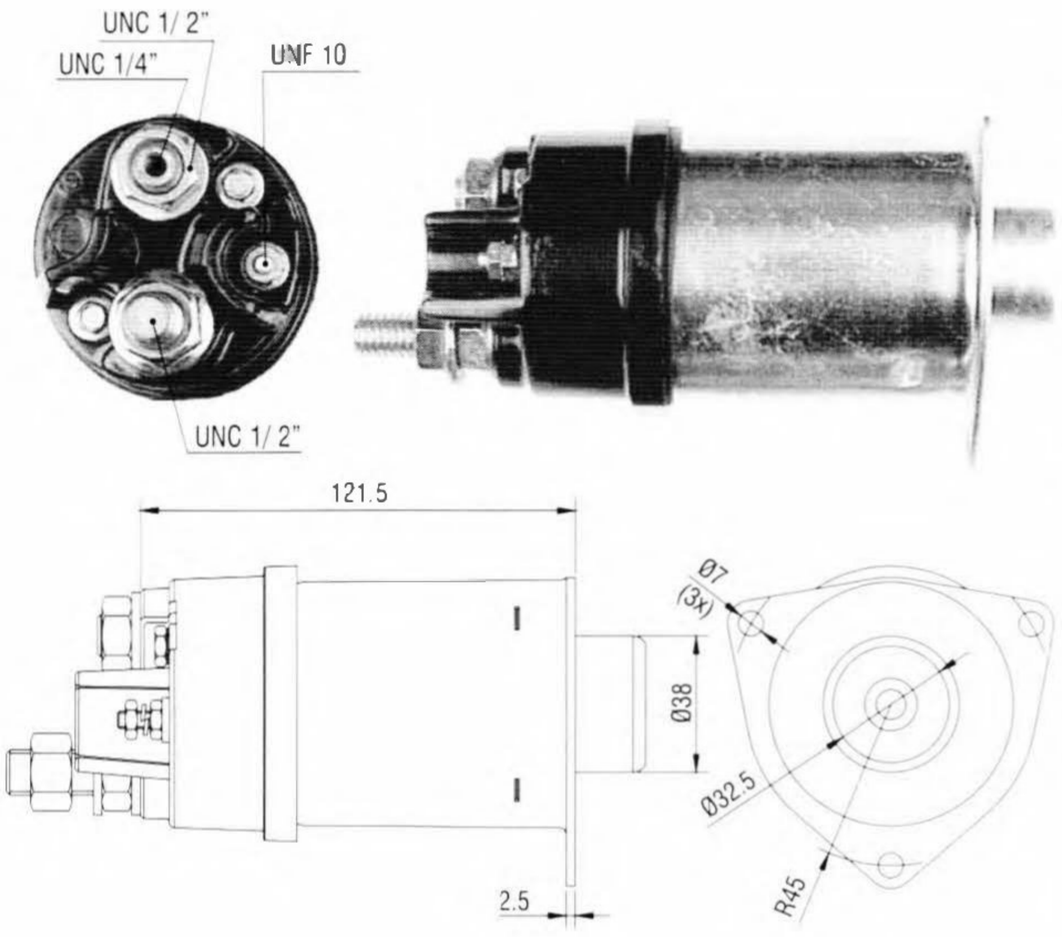
USED ON:
Delco 37MT Series DD Starters.

STARTERS:
Delco: 1993851 / 894 / 956 / 957 / 958 / 967 / 981 / 988 / 992, 10478805 / 927 / 928 / 929 / 930 / 957, 10479014 / 015 / 016 / 034 / 054 / 186.

OEM SOLENOID:
Delco:
1115623
D917A

ZM 453 12V

CAP ZM 453.96



USED ON:
Delco 37 MT Series DD Starters.

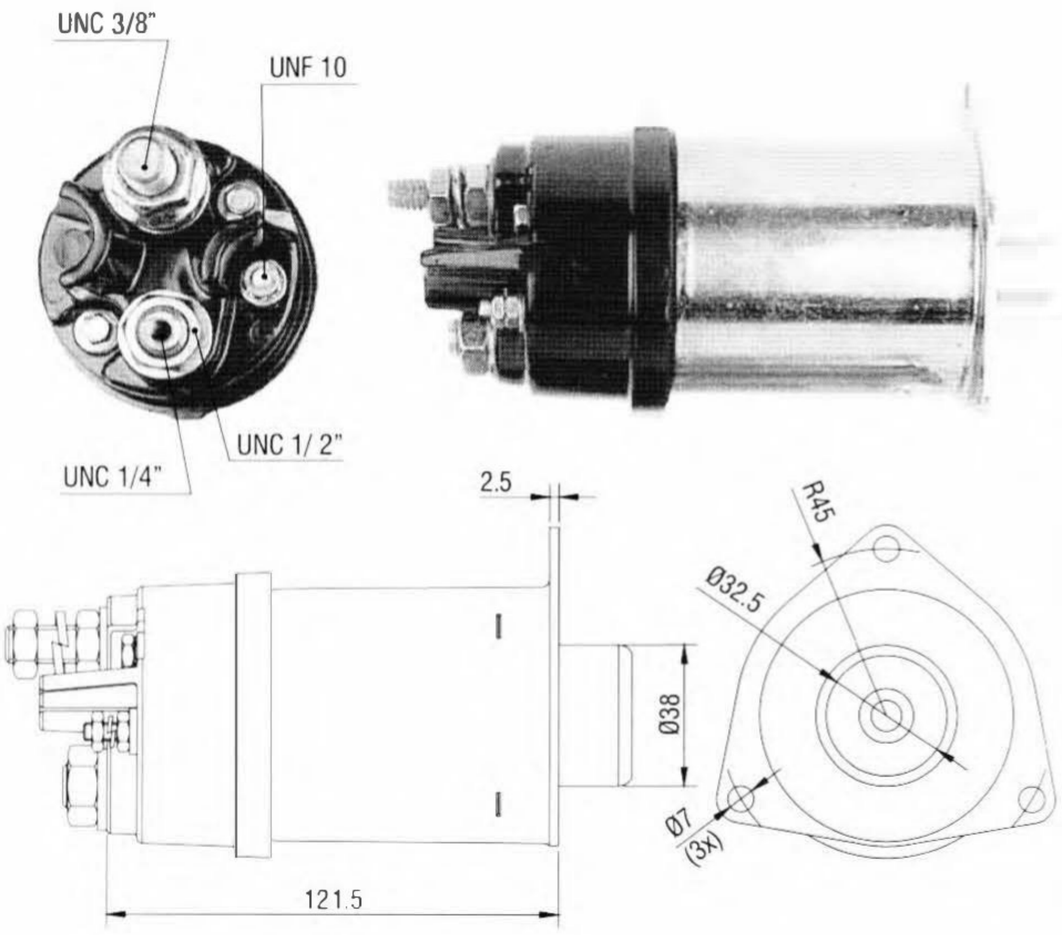
STARTERS:
Delco: 1993767 / 854.

OEM SOLENOID:

Delco:	Ford:	Motorcraft:
1115610	E7HZ-11390-A	SW-2114
D905A		

ZM 454 12V

CAP ZM 454.96



USED ON:
Delco 37 MT Series DD Starters.

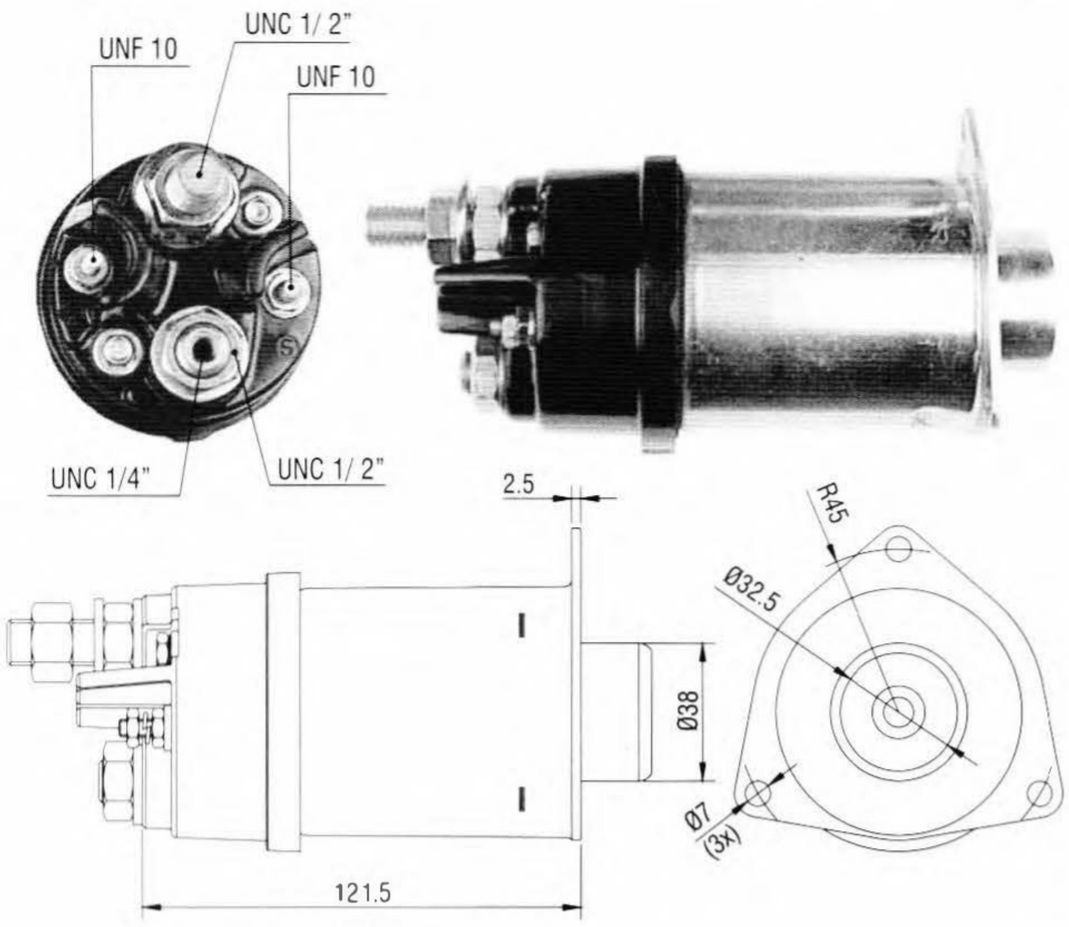
STARTERS:
Bosch: 1993790 / 791 / 792 / 793 / 799 / 818.

OEM SOLENOID:
Delco:
1115612

DELCO

ZM 455 12V

CAP ZM 455.96



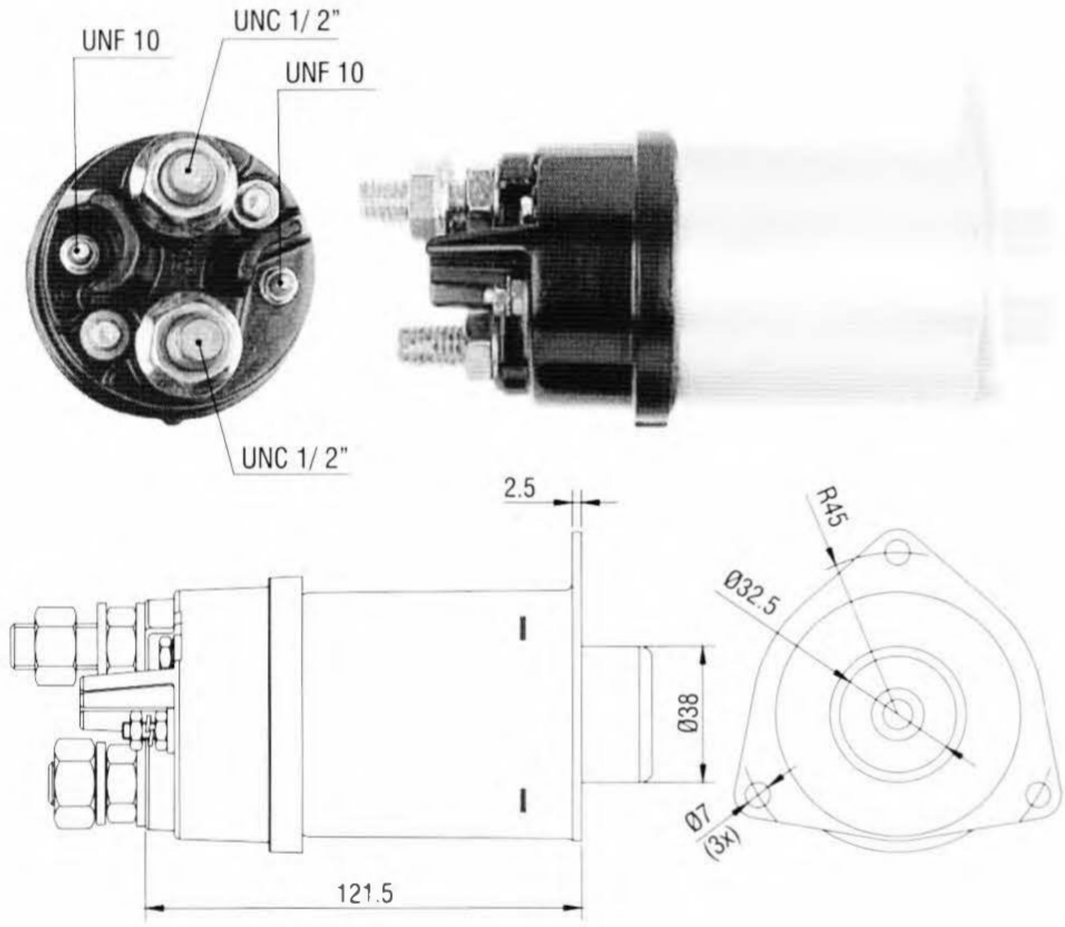
USED ON:
Delco 37 MT Series DD Starters.

STARTERS:
Delco: 1993947 / 969 / 970 / 974 / 997, 10478953, 10479035, 10479069.

OEM SOLENOID:
Delco:
1115618
D923A

ZM 456 12V

CAP ZM 456.96



USED ON:
Delco 42 MT Series DD Starters.

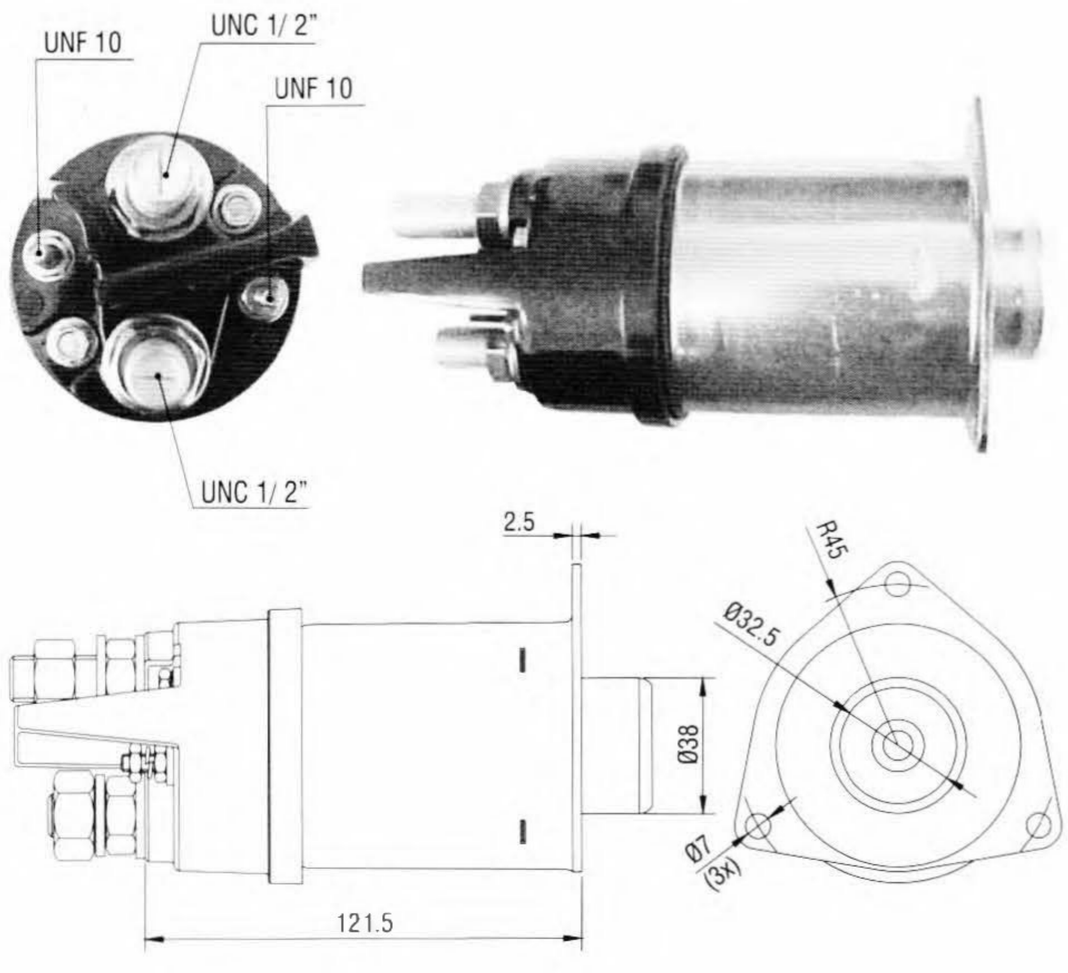
STARTERS:
Delco: 1990337 / 348 / 349 / 352 / 353 / 354 / 356 / 358 / 362 / 363 / 365 / 370 / 372 / 375 / 376 / 377 / 379 / 385 / 386 / 387 / 391 / 393 / 394 / 395 / 397 / 398 / 400 / 403 / 404 / 405 / 406 / 408 / 417 / 420 / 421 / 430 / 431 / 438 / 439 / 440 / 441 / 442 / 446 / 449 / 467 / 468 / 469 / 470 / 471 / 475 / 477 / 478 / 483 / 484 / 486 / 487 / 489 / 490 / 492 / 494 / 495 / 496, 1993772 / 774 / 775 / 776 / 783 / 785 / 795 / 803 / 806 / 807 / 813 /816 / 820 / 823 / 849 / 856 / 863 / 925 / 961 / 973, 10478801 / 802 / 803 / 804 / 810 / 816 / 894 / 895 / 962 / 964 / 966 / 967 / 978 / 983 / 992 / 997, 10479000 / 018 / 019 / 021 / 037 / 038 / 062 / 064 / 065, 10479117.

OEM SOLENOID:

Delco:	**Ford:**
1115593	E6HZ-11390-B

ZM 2-456 12V

CAP ZM 2-456.96



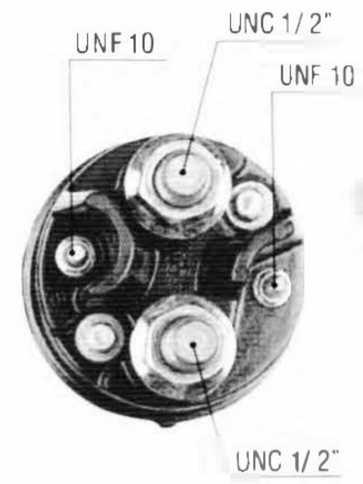
USED ON:
Delco 42MT Series DD Starters.

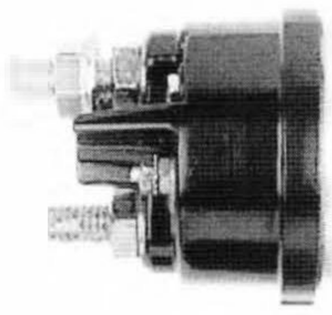
STARTERS:
Delco: 1993934 / 935 / 937 / 938 / 939 / 942 / 943 / 977 / 982 / 983, 10478832 / 833 / 931 / 932 / 933 / 934 / 935 / 936 / 951 / 987, 10479004 / 005 / 006 / 007 / 017 / 052.

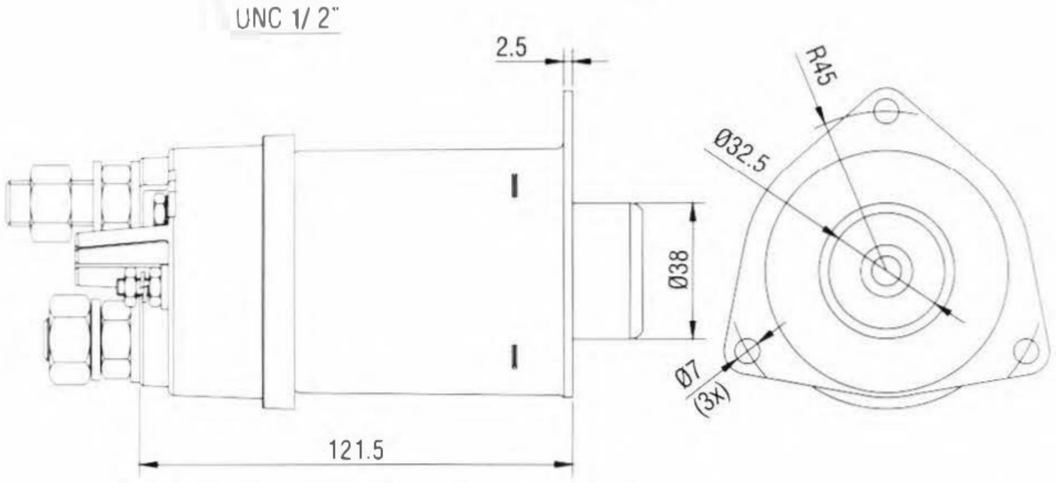
OEM SOLENOID:
Delco:
1115624
D918A

ZM 457 12V

CAP ZM 457.96







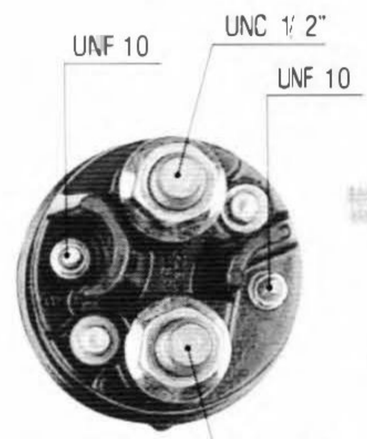
USED ON:
Delco 42 MT Series DD Starters.

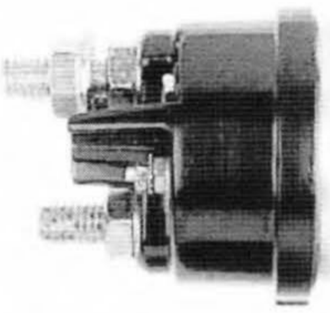
STARTERS:
Delco: 1990369 / 374 / 380 / 396 / 401 / 407 / 419 / 448 / 450 / 451 / 452 / 458 / 466 / 473, 1993782 / 811 / 824, 10478918 / 965 / 977 / 984 / 985 / 991, 10479003.

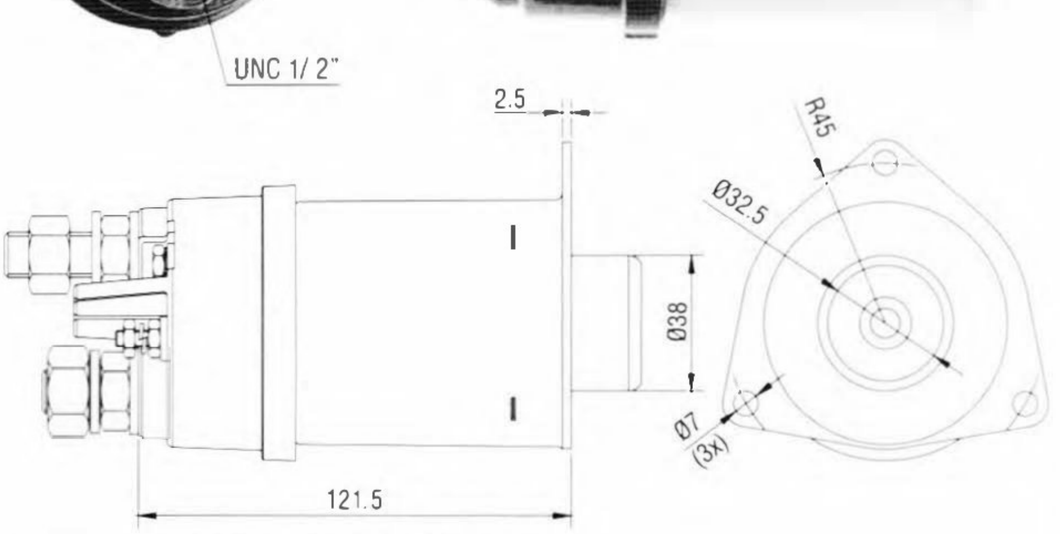
OEM SOLENOID:
Delco:
1115598

ZM 458 12V

CAP ZM 458.96







Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

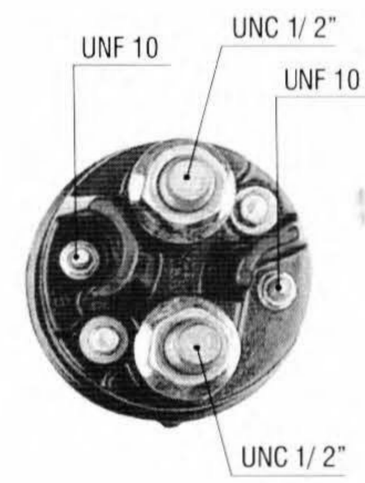
USED ON:
Delco 42 MT Series Starters.

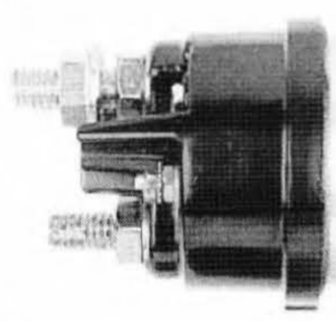
STARTERS:
Delco: 1990423 / 424 / 427 / 428 / 429, 1993975, 10479072.

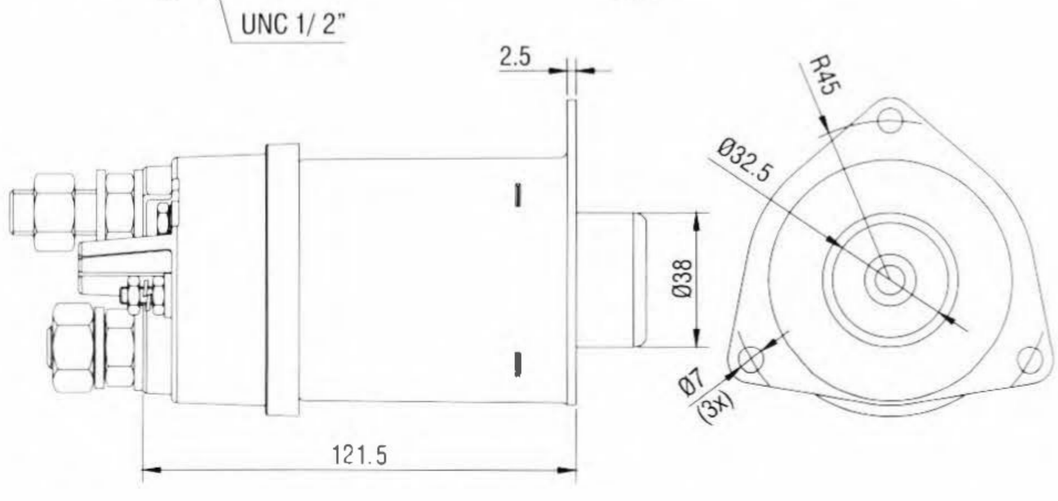
OEM SOLENOID:
Delco:
1115602
D900A

ZM 459 24V

CAP ZM 458.96







Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

USED ON:
J.I. Case, Caterpillar, Cummins Diesel Engines, Lister Diesel, Waukesha.
Delco 37 MT Series DD Starters.

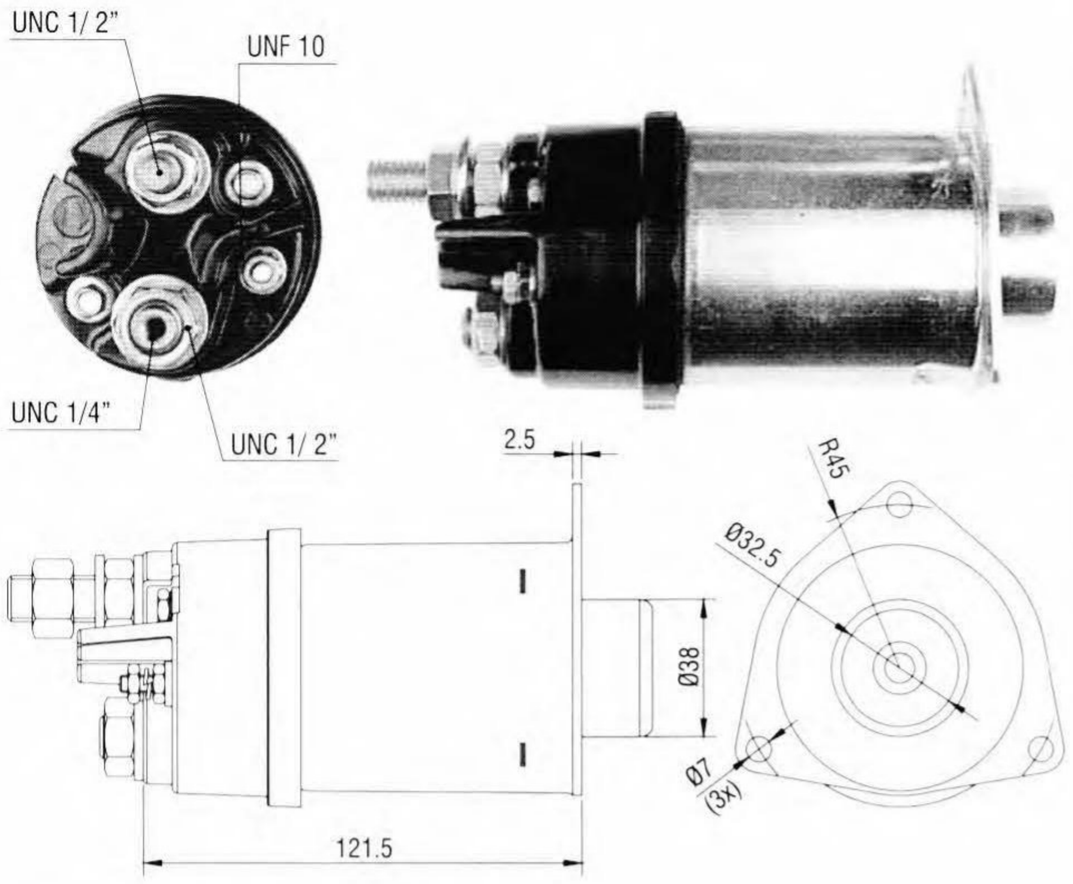
STARTERS:
Delco: 1990330 / 331 / 332 / 499, 1993701 / 702/ 707 / 729 / 732 / 741 / 742 / 744 / 771 / 773 / 829 / 831 / 861 / 862.

OEM SOLENOID:
Delco:
1115594

DELCO

ZM 460 24V

CAP ZM 460.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato

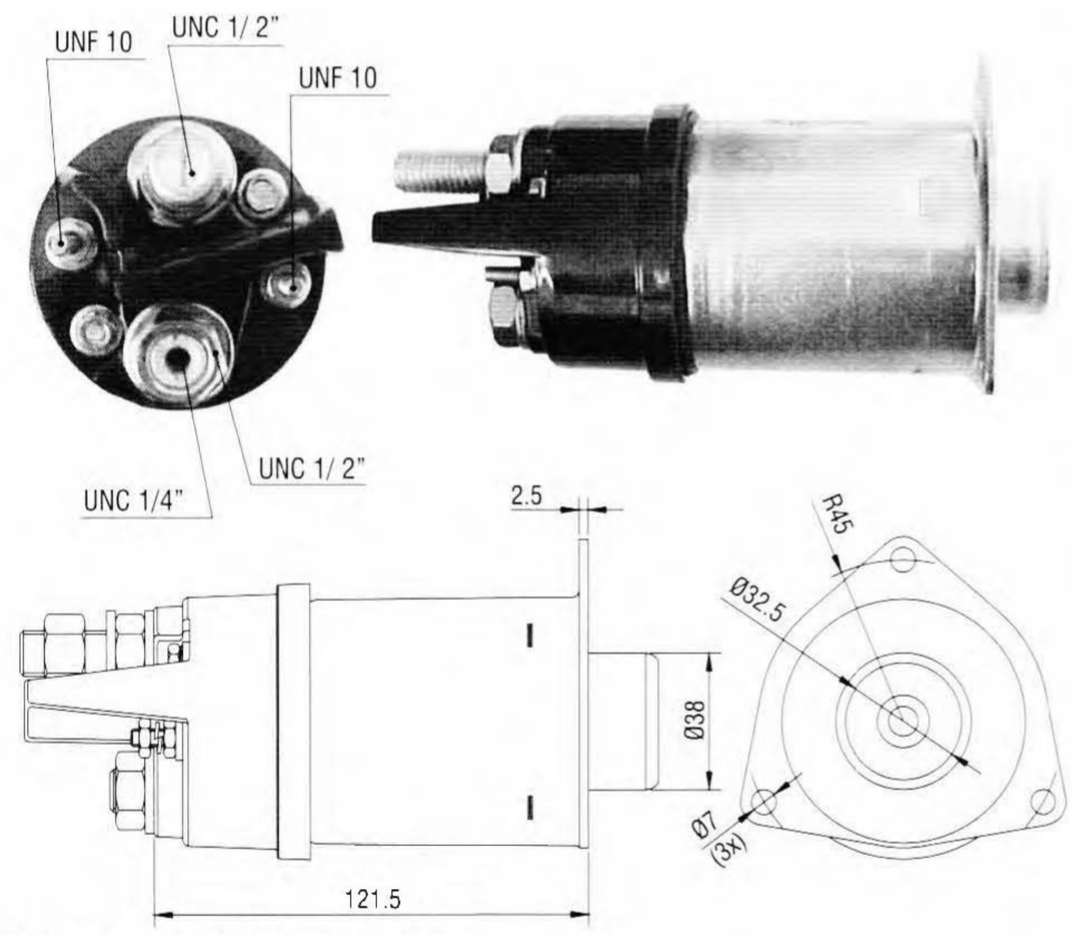
USED ON:
Mercedes com Motor Série BR400. Delco 37 MT Series DD Starters.

STARTERS:
Delco: 1993901 / 902 / 903 / 905 / 909 / 910 / 911 / 914 / 926 / 972, 10478814 / 819.

OEM SOLENOID:
Delco:
1115619
1115621
D915A

ZM 2-460 24V

CAP ZM 2-460.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

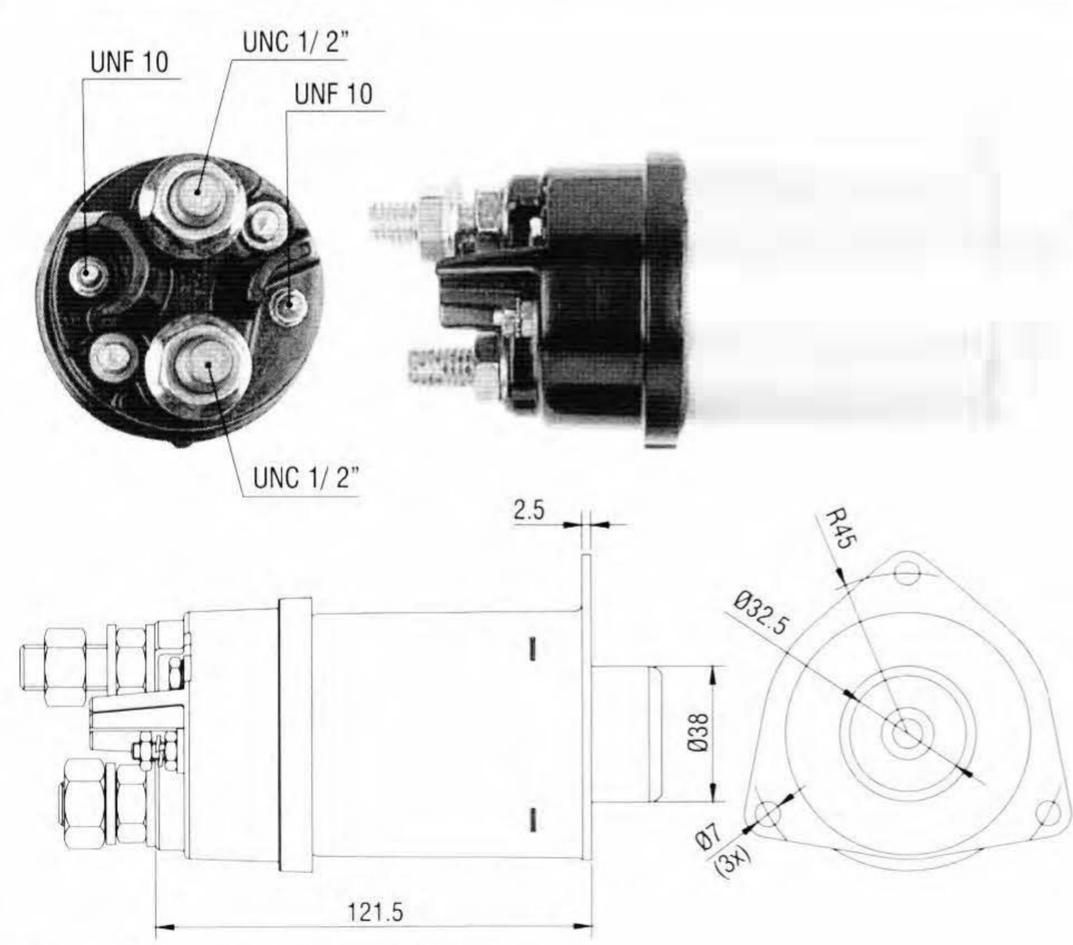
USED ON:
Delco 37MT Series DD Starters. Caterpillar Equipment.

STARTERS:
Delco: 1993917 / 918 / 920 / 921 / 930 / 953 / 954 / 955 / 986, 10478811 / 819 / 960 / 976, 10479020.

OEM SOLENOID:
Delco:
1115622 D921A
1115627
D916A

ZM 461 24V

CAP ZM 458.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

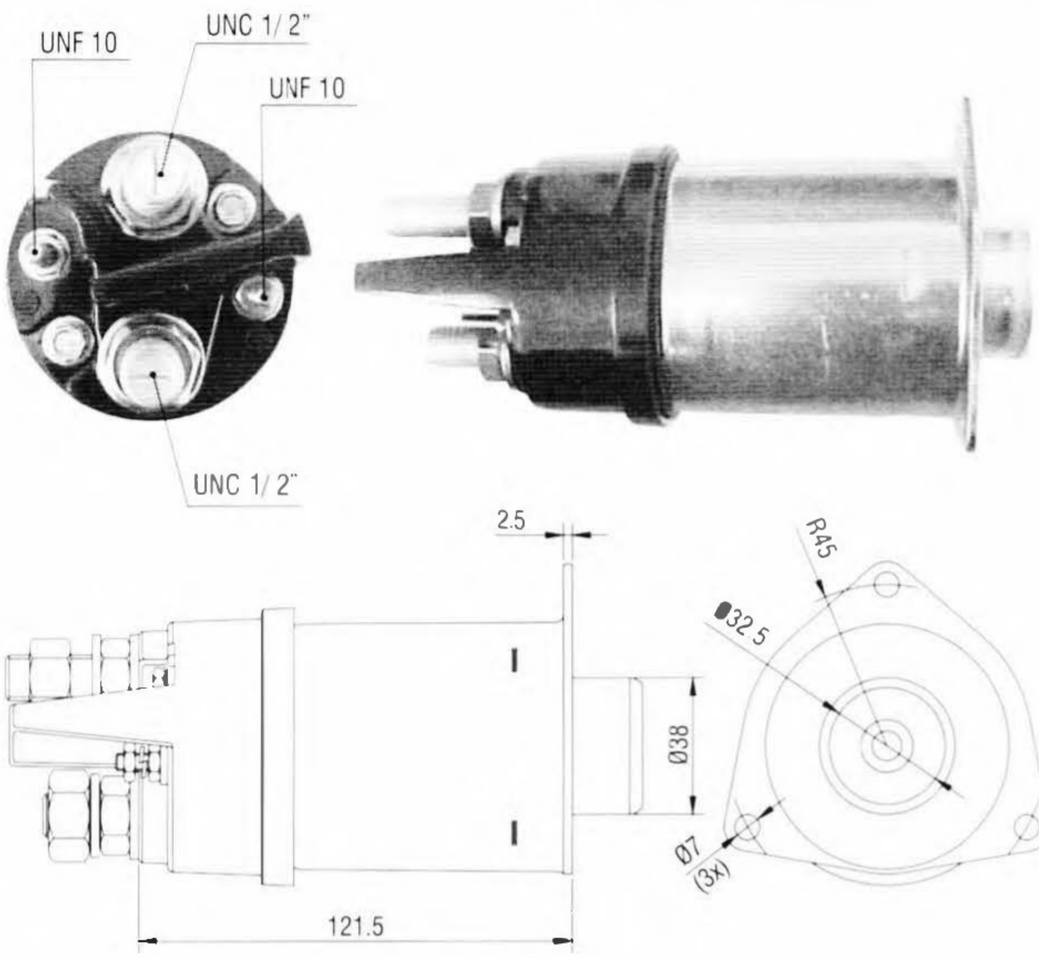
USED ON:
J.I. Case, Case Construction Equipment, Caterpillar. Delco 42 MT Series DD Starters.

STARTERS:
Delco: 1990344 / 350 / 357 / 359 / 360 / 361 / 364 / 366 / 367 / 368 / 371 / 373 / 378 / 382 / 383 / 388 / 389 / 413 / 415 / 418 / 422 / 432 / 434 / 435 / 436 / 437 / 447 / 453 / 454 / 455 / 456 / 457 / 459 / 460 / 462 / 463 / 464 / 474 / 485 / 491 / 493 / 497, 1993784 / 786 / 788 / 796 / 797 / 801 / 802 / 804 / 805 / 808 / 810 / 812 / 814 / 815 / 826 / 828 / 833 / 835 / 923 / 924 / 987 / 991 / 993, 10478820 / 839 / 980 / 981 / 986 / 989 / 990 / 996, 10479012 / 022 / 067.

OEM SOLENOID:
Delco:
1115595 1115601 1115608

ZM 2-461 24V

CAP ZM 6-461.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

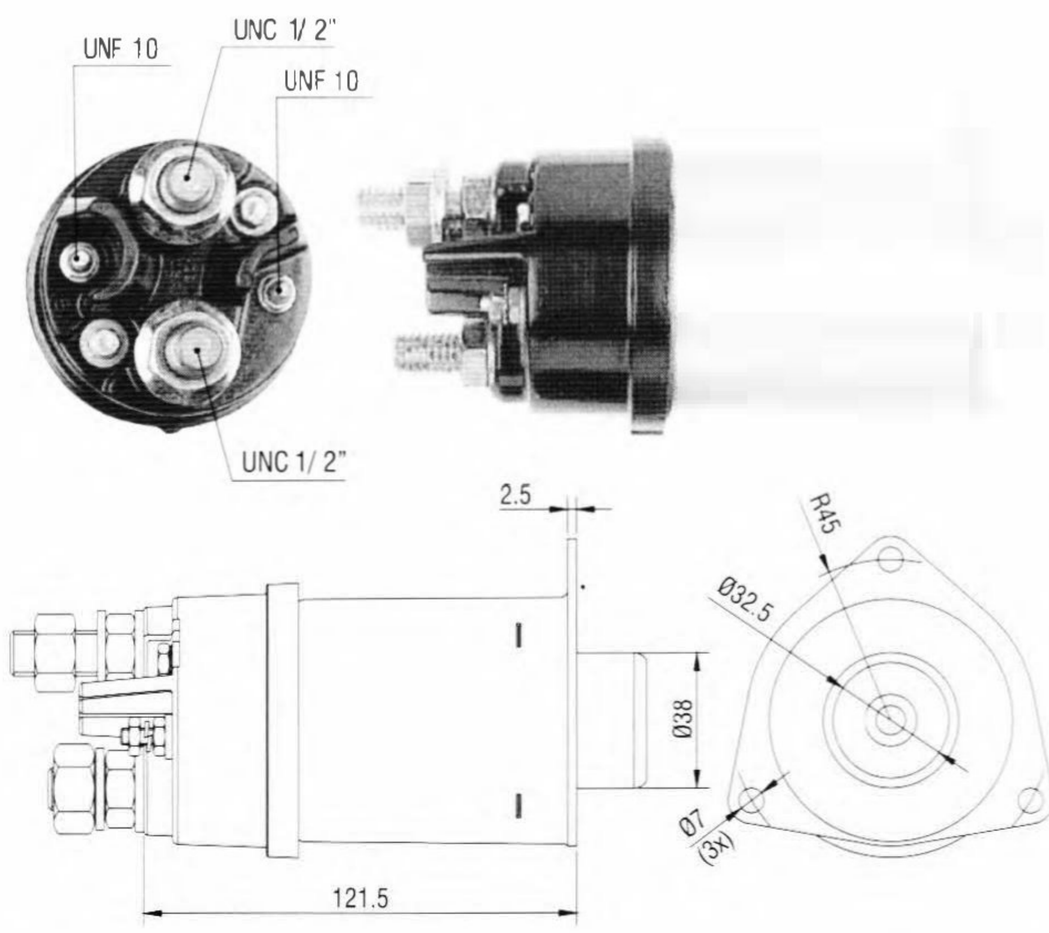
USED ON:
Delco 42 MT Series DD Starters. John Deere.

STARTERS:
Delco: 1993842 / 933 / 936 / 940 / 941 / 944 / 945 / 980 / 10478937 / 938 / 939 / 940 / 941 / 942 / 943 / 944 / 946 / 947 / 948 / 952 / 988, 10479008 / 009 / 010 / 011 / 053 / 168.

OEM SOLENOID:
Delco:
1115625
D919A

ZM 462 24V

CAP ZM 462.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

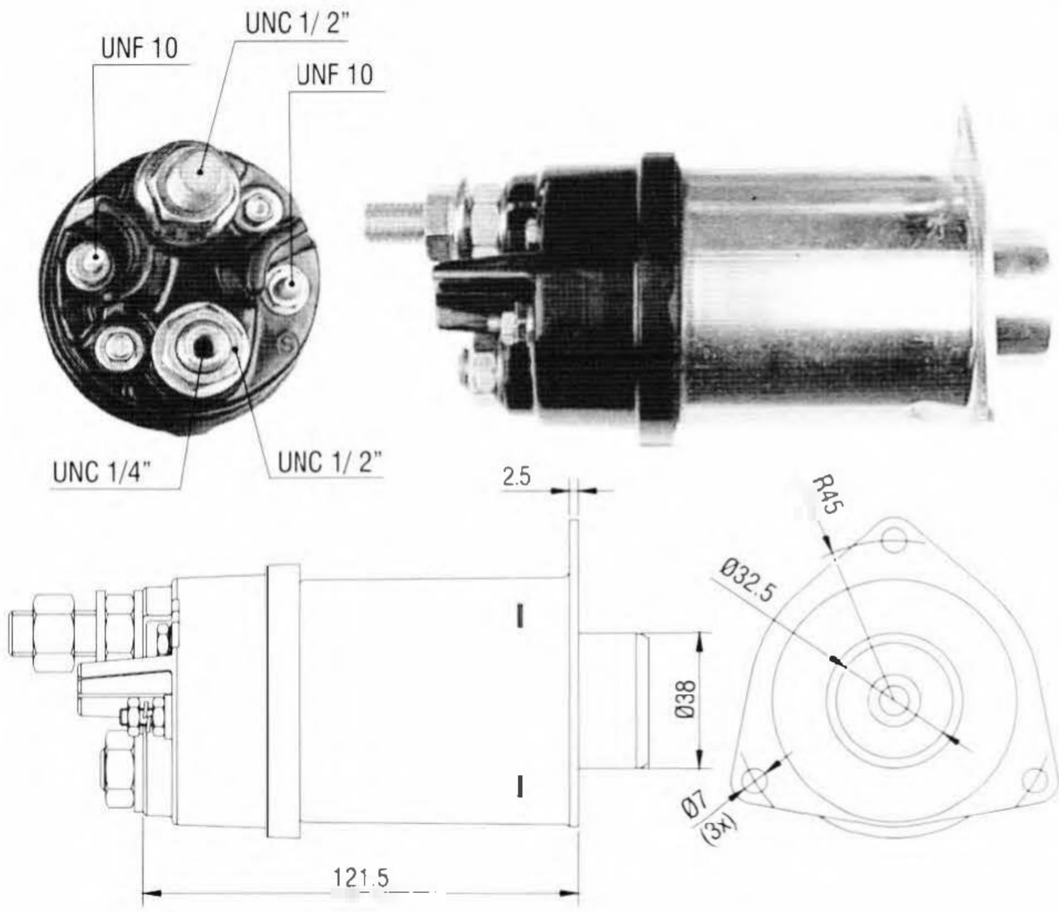
USED ON:
Delco 42 MT Series DD Starters.

STARTERS:
Delco: 1990381 / 411 / 414 / 416, 1993822 / 827 / 996 / 998 / 999, 10478836 / 892 / 893 / 979.

OEM SOLENOID:
Delco:
1115597
1115600
D903A

ZM 463 12V

CAP ZM 463.96



USED ON:
Delco 37 MT Series DD Starters.

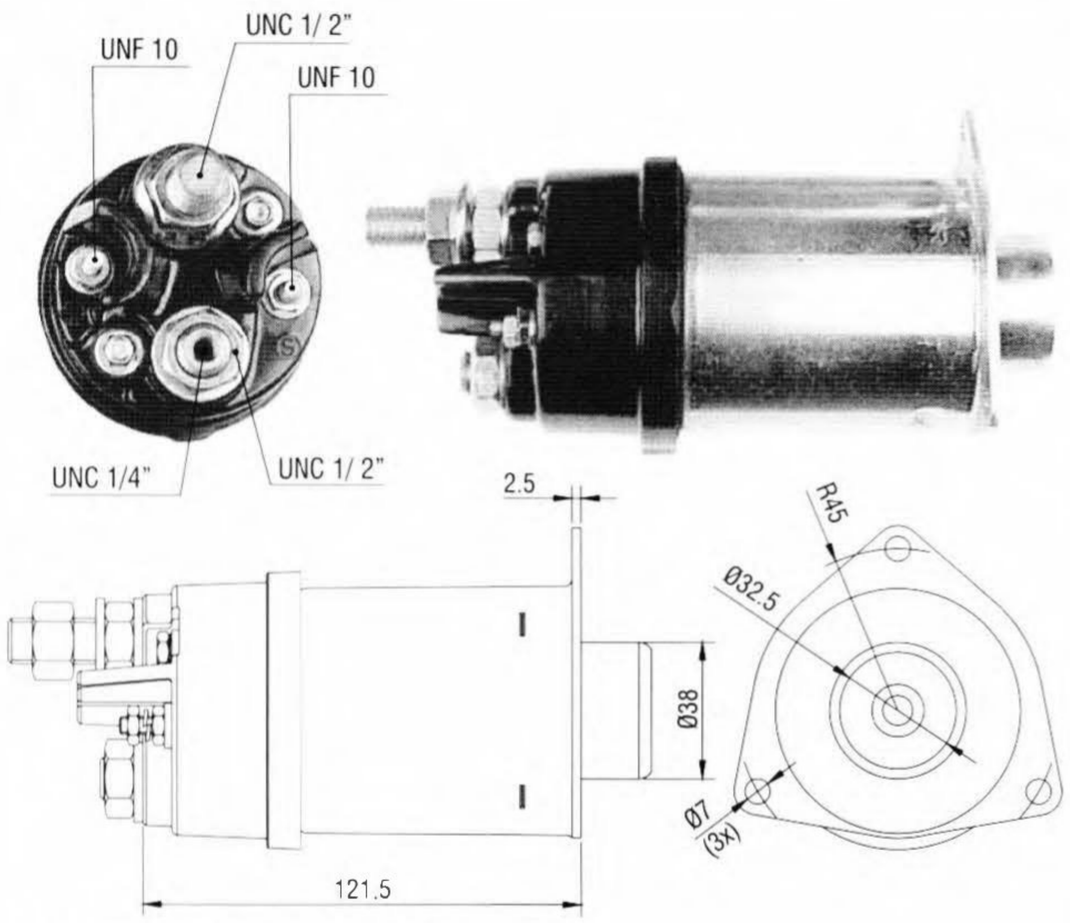
STARTERS:
Delco: 10478890, 10478921.

OEM SOLENOID:
Delco:
1115643
D942A

DELCO

ZM 464 24V

CAP ZM 464.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

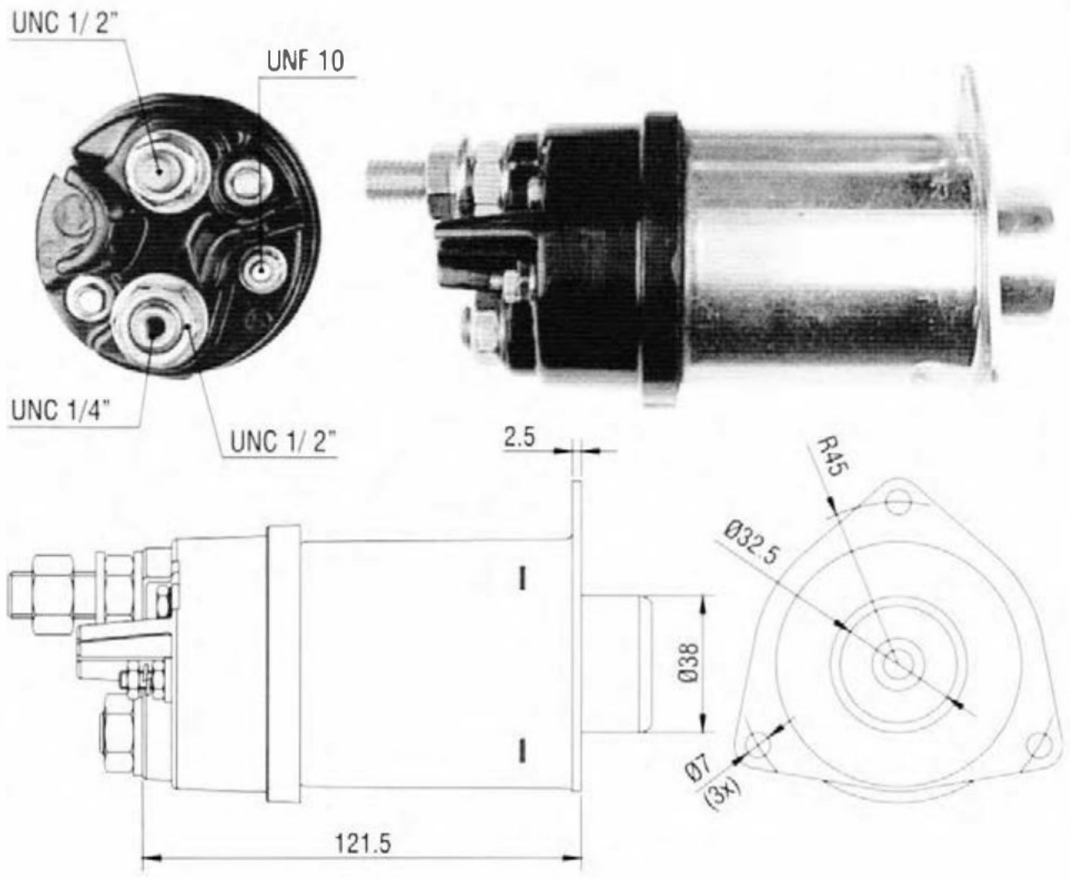
USED ON:
Delco 41 MT Series DD Starters.

STARTERS:
Delco: 10478898, 10479024 / 043 / 079.

OEM SOLENOID:
Delco:
1115641
D939A

ZM 465 12V

CAP ZM 462.96



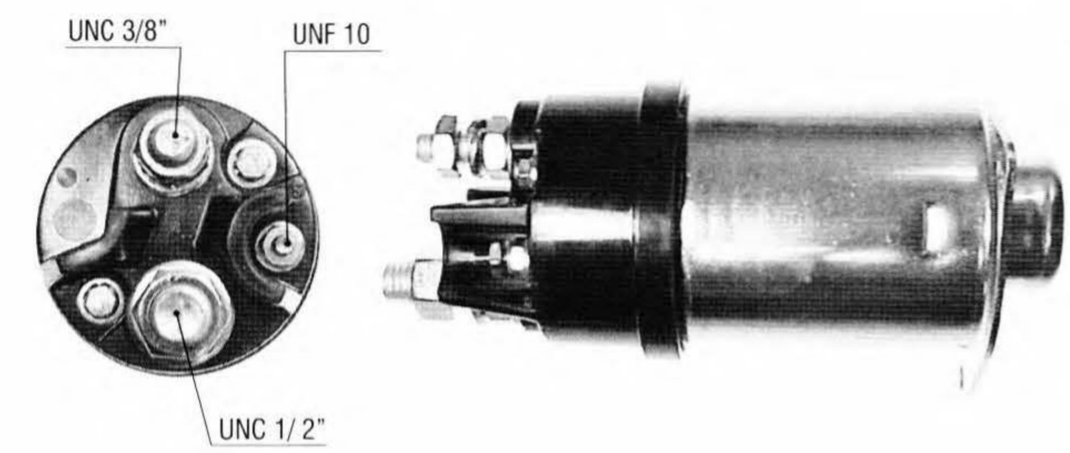
USED ON:
Delco 41 MT Series DD Starters.

STARTERS:
Delco: 10478812 / 818 / 897 / 999, 10479023 / 060 / 061 / 165 / 215.

OEM SOLENOID:
Delco:
1115638
1115639

ZM 466 12V

CAP ZM 466.96



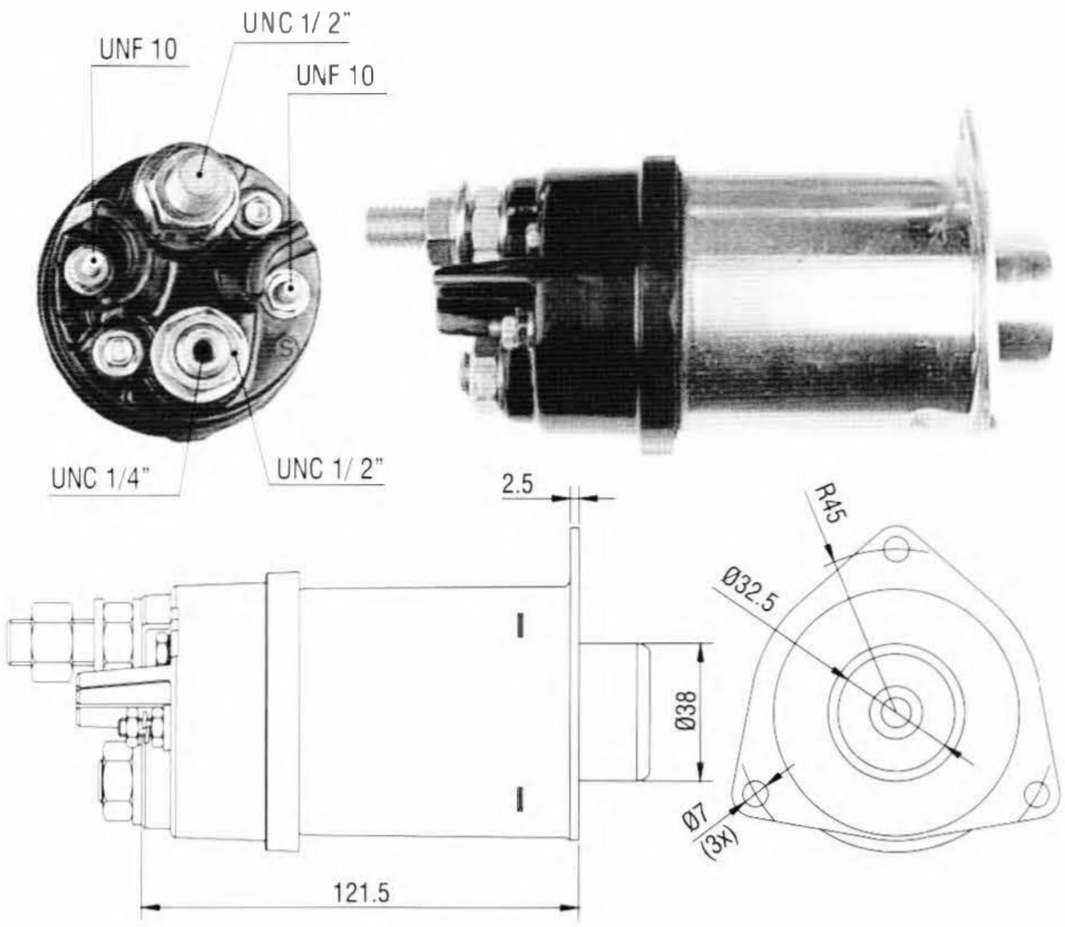
USED ON:
Delco 37 MT Series DD Starters.

STARTERS:
Delco: 1990347.

OEM SOLENOID:
Delco:
1115596
Ford:
E6HZ-11390-A

ZM 467 12V

CAP ZM 467.96



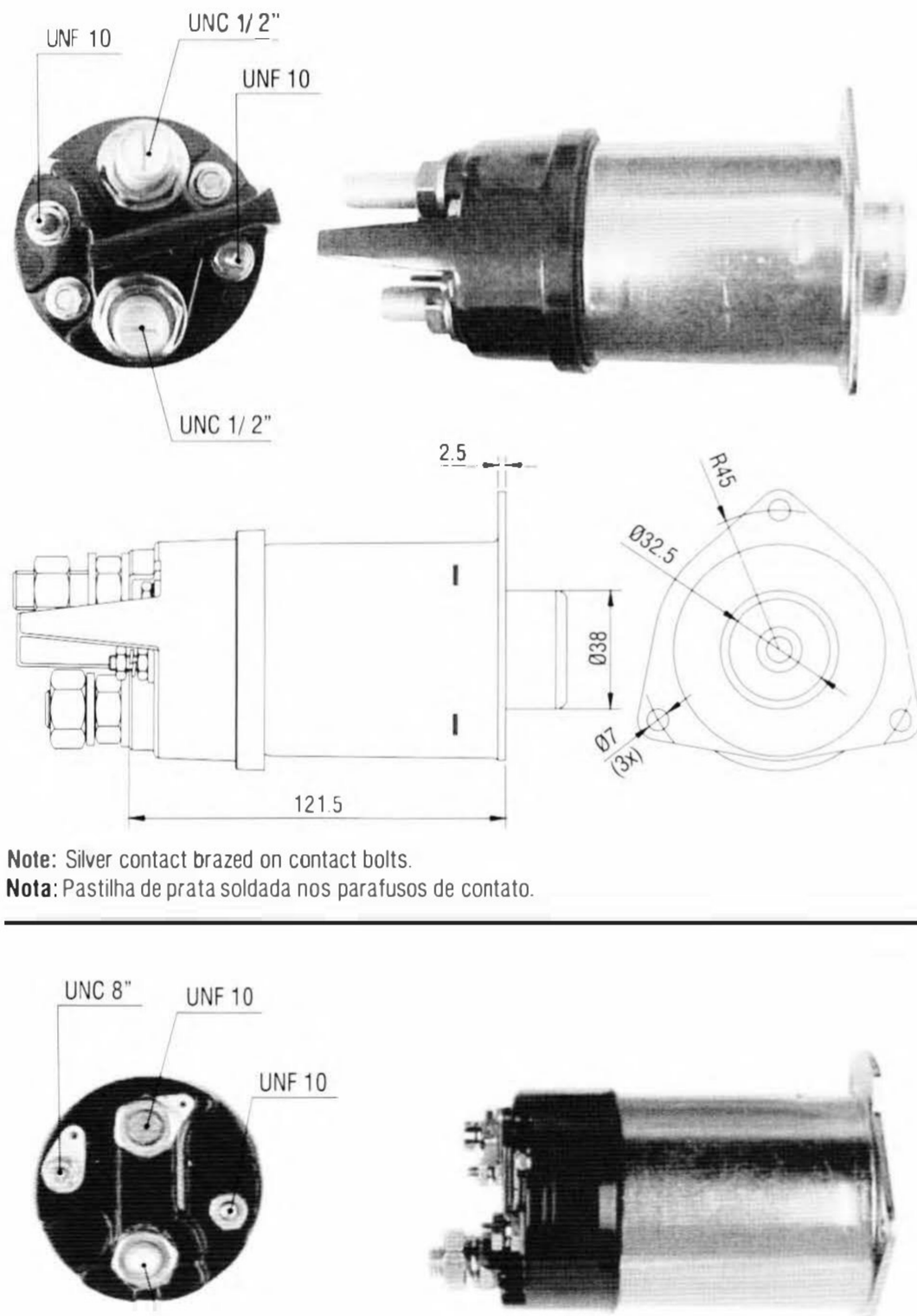
USED ON:
Delco 37 MT Series DD Starters.

STARTERS:
Delco: 1993866 / 971.

OEM SOLENOID:
Delco:
1115617
D924A

ZM 468 24V

CAP ZM 6-468.96



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

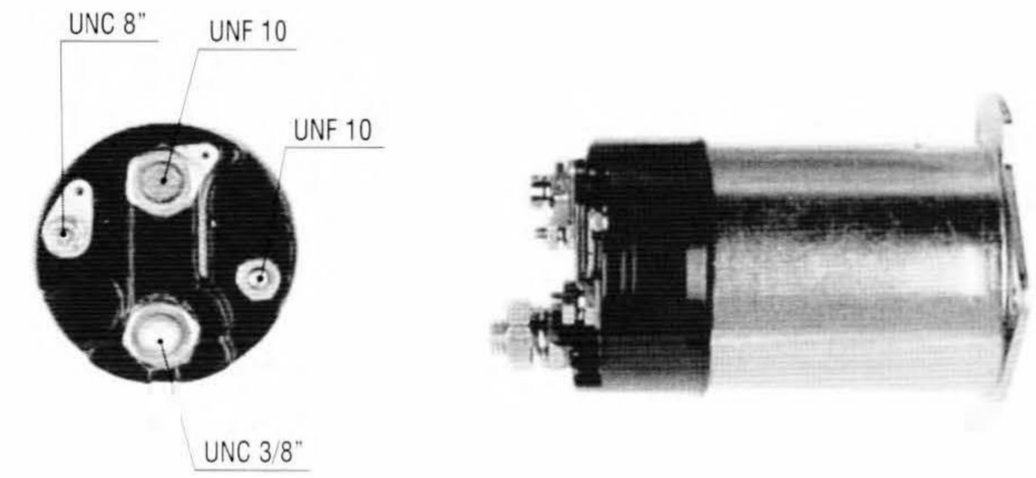
USED ON:
Delco 41MT Series DD Starters. 1997 Atlas Copco Equipment Model XAMS355 w/Cummins C8.3L Engine, Caterpillar Equipment and Engines.

STARTERS:
Delco: 10478961, 10479013, 10479172.
Caterpillar: 9X9995, 9Y1945, 143-8434.

OEM SOLENOID:
Delco:
1115634

ZM 551 12V

CAP ZM 551.91



USED ON:
C10, C14, C60 (Gas.), Opala (4.6 Cil.), Veraneio (4.6 Cil.) (Todos com Motor de Partida Delco), Empilhadeiras Hyster (com Motor de Partida G.M. 2500 4 Cil. e 4100 6 Cil.), Motores de Partida Delco Series 5 MT, 10 MT, 20 MT, 25 MT, 27 MT. Allis Charmers, Buck, Cadillac, Jonh Deere, Chevrolet Passenger & Truck GMC, International, J.I. Case, Jeep, Massey Ferguson, Oldsmobile, Pontiac, Mc Cormick Deering.

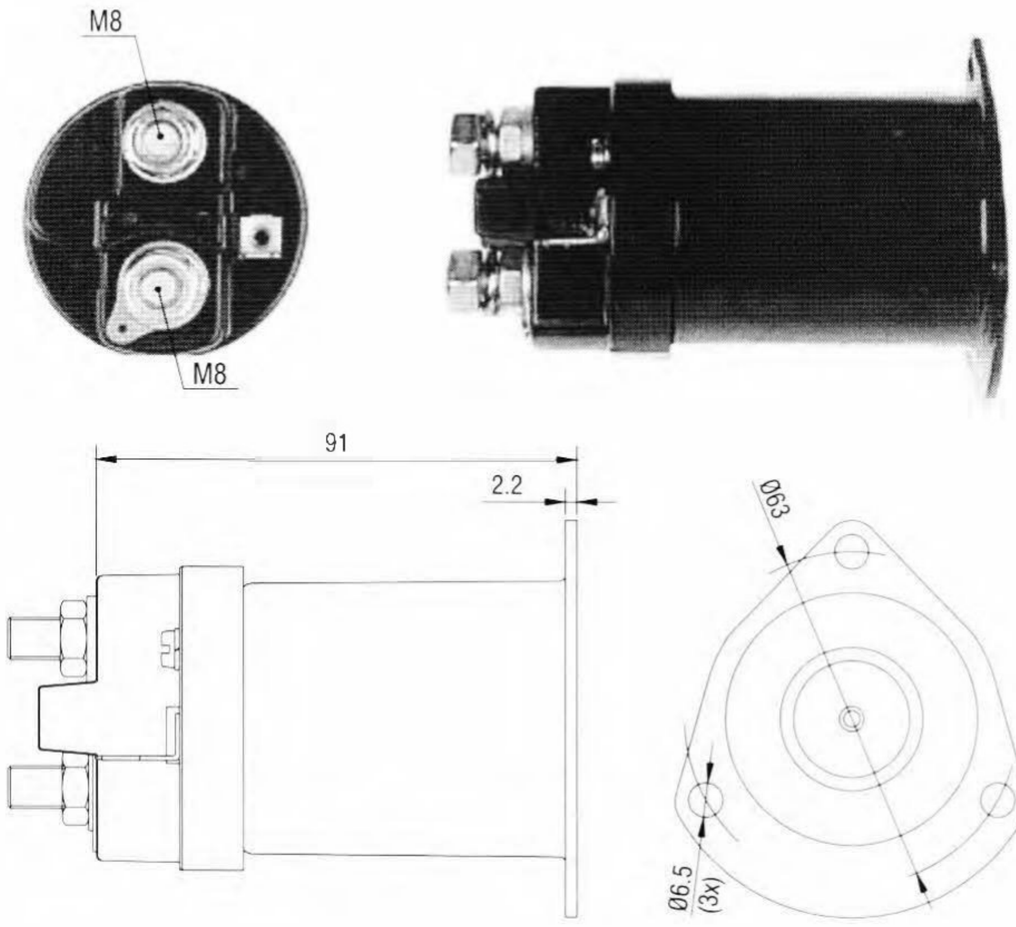
STARTERS:
Delco:

OEM SOLENOID:
Delco:
1114256
1119798
D932

DELCO

ZM 555 12V

CAP ZM 555.91



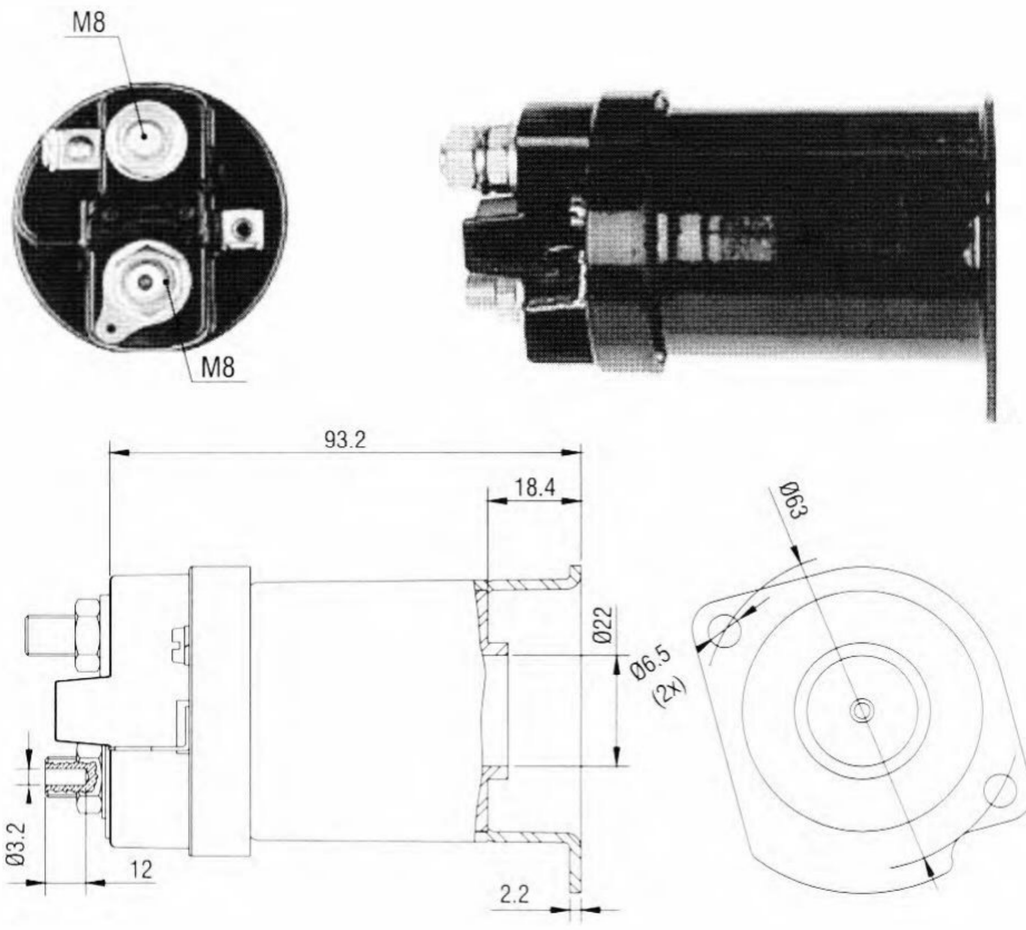
USED ON:
Opel: Ascona 1.6, 1.6S, 1.8i, 1.8S, 2.0i, Astra 1.8i, 2.0i, 2.0i 16V, Calibra 2.0i, 16V, 4x4, 2.0i Turbo, Frontera 2.0i, Kadett D 1.6i, 1.8i, E 1.6S, 1.8, 1.8 GSI, 1.8i, 2.0i, GSI, 2.0i 16V, GSi 16V, Manta B 1.8S, Omega 1.8, 1.8i, 1.8S, 2.0i, Rekord E 1.8, 1.8S, 1.8i, Vectra 1.8, 1.8i, 1.8S, 2.0, 2.0i, 2.0i 4x4, 2000 16V, 4x4.
Vauxhall: Astra 1.6, 1.8i, 1.8 GTE, 2.0 GTE, 2.0i, 16V, Belmont 1.6, 1.8i, Calibra 2.0i, Carlton 1.8, 1.8i, 2.0i, Cavalier 1.6, 1.8, 2.0i, 16V, 4x4, Frontera 2.0i.

STARTERS:
Delco: 3471 155, 3471 169.

OEM SOLENOID:
Delco:
3471 725
DR 904

ZM 556 12V

CAP ZM 556.91



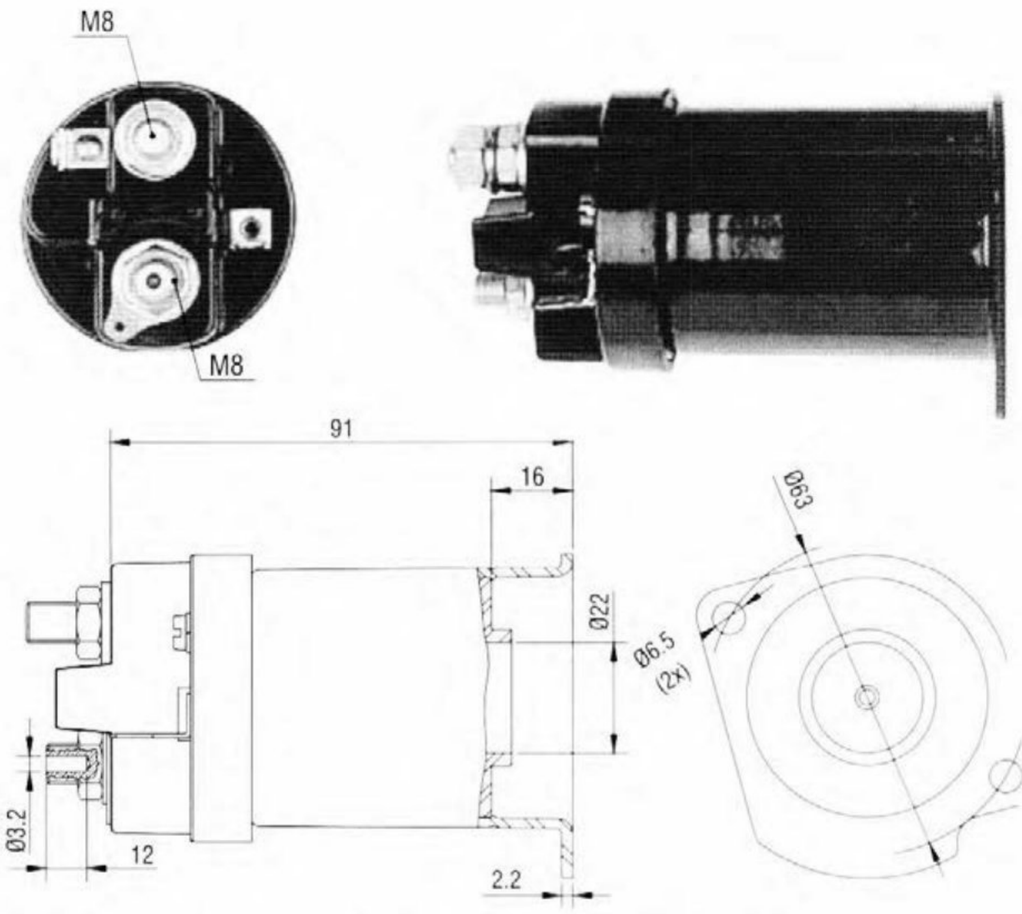
USED ON:
Opel: Ascona 1.2, 1.2 S, Corsa 1.0 S, 1.2, Kadett B 1.1, 1.2, Kadett C 1.0, 1.2, Kadett D 1.0, 1.2, Kadett E 1.2, Manta A 1.2 S, Manta B 1.2.
Vauxhall: Astra 1.2, Nova 1.0.

STARTERS:
Delco: 3471 143, 3471 163.

OEM SOLENOID:
Delco:
3471 693
DR 902

ZM 557 12V

CAP ZM 556.91



USED ON:
Opel: Ascona 1.3, 1.3 S, Astra 1.4, 1.4i, Corsa 1.2 S, 1.3, 1.3i, 1.3 S, 1.4, Kadett D 1.2 S, 1.3, 1.3 S, Kadett E 1.3, 1.3i, 1.3 S, 1.4, 1.6 S, 1.6i, Manta B 1.3, 1.3 S, Vectra 1.4, 1.6, 1.6i, 1.6 S.
Vauxhall: Astra 1.3, 1.4, Astramax 1.3, 1.4, Belmont 1.3, Cavalier 1.3, 1.4, Nova 1.2, 1.3, 1.4.

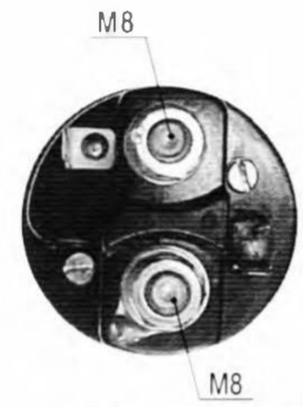
STARTERS:
Delco: 3471 150, 3471 160.

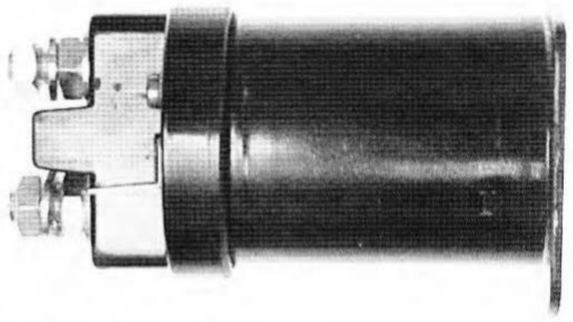
OEM SOLENOID:
Delco:
3471 697
DR 903

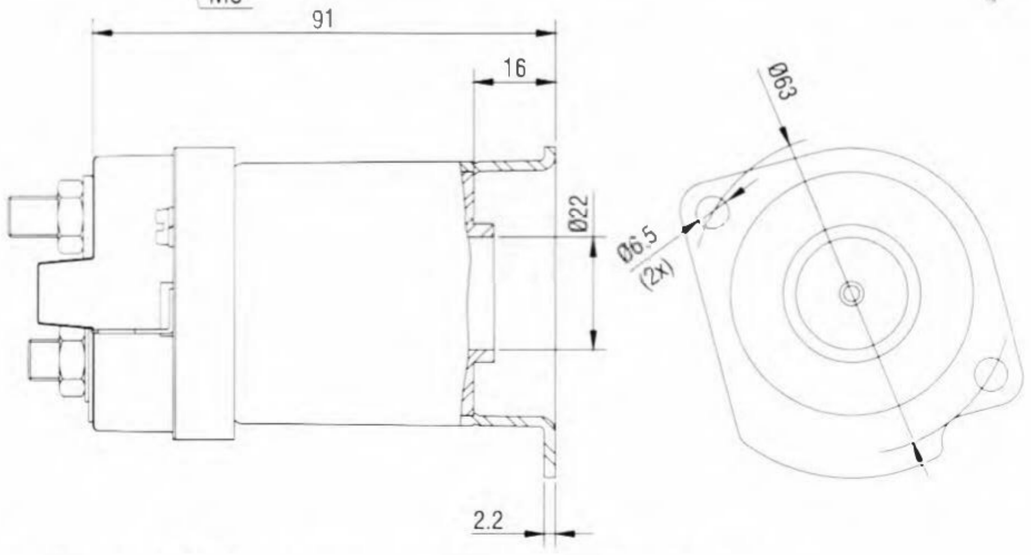
Note: Similar to ZM 1-557 with post has Ø 3.2mm internal hole in motor terminal.
Nota: Similar ao ZM 1-557 com furo interno de Ø 3.2mm no terminal do motor.

ZM 1-557 12V

CAP ZM 1-557.91







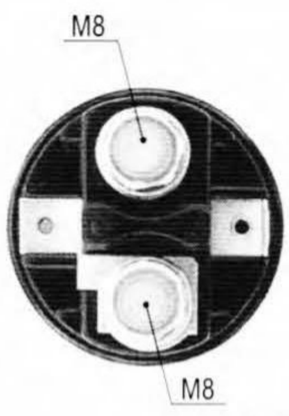
Note: Similar to ZM 557 but without internal Ø3.2mm hole in motor terminal.
Nota: Similar ao ZM 557 sem furo interno de Ø3.2mm no terminal do motor.

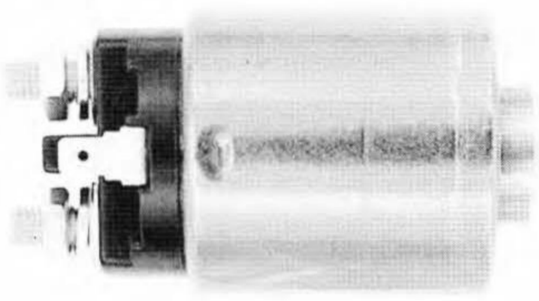
USED ON:
Opel: Ascona 1.3, 1.3 S, Astra 1.4, 1.4i, Corsa 1.2 S, 1.3, 1.3i, 1.3 S, 1.4, Kadett D 1.2 S, 1.3, 1.3 S, Kadett E 1.3, 1.3i, 1.3 S, 1.4, 1.6 S, 1.6i, Manta B 1.3, 1.3 S, Vectra 1.4, 1.6, 1.6i, 1.6 S.
Vauxhall: Astra 1.3, 1.4, Astramax 1.3, 1.4, Belmont 1.3, Cavalier 1.3, 1.4, Nova 1.2, 1.3, 1.4.

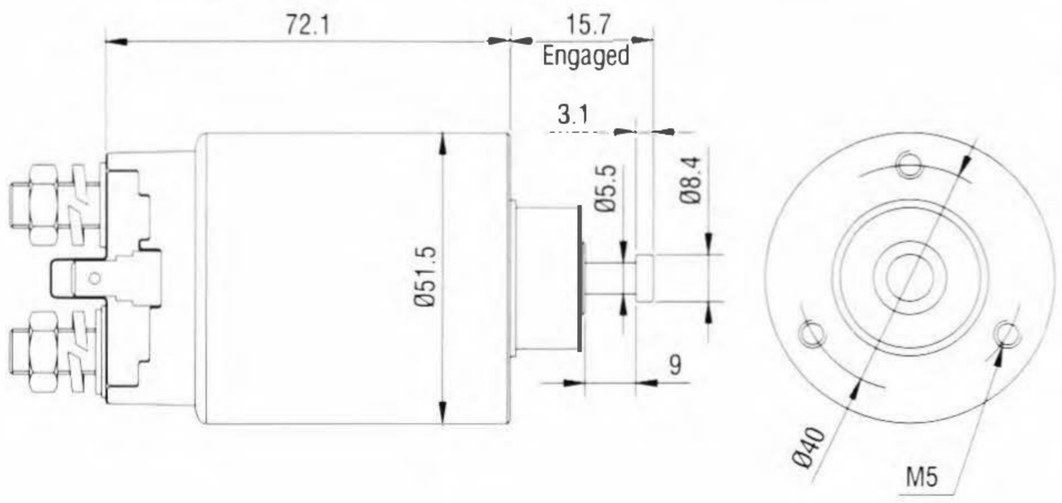
STARTERS:
Delco: 3471 150, 3471 160.

OEM SOLENOID:
Delco:
3471 697
DR 903

ZM 3-698 12V





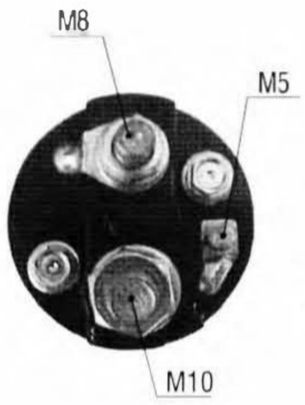


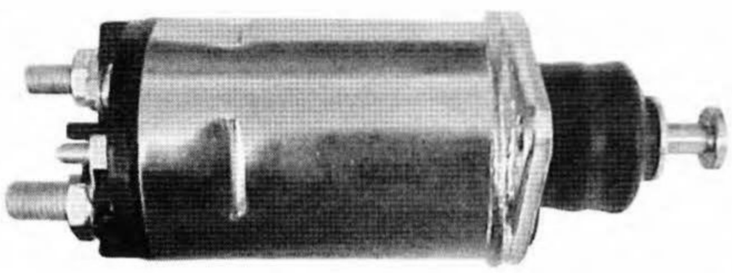
USED ON:
Towner (Asia Motors).

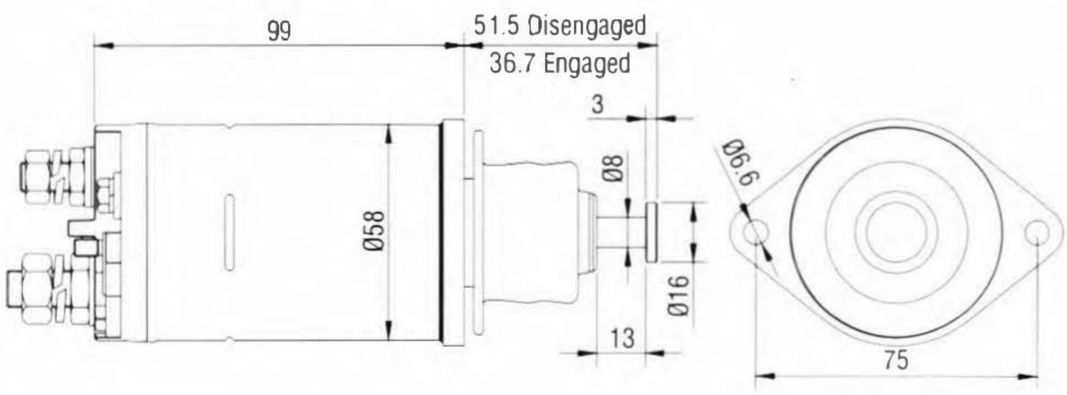
STARTERS:
Delco:

OEM SOLENOID:
Delco:
10455505

ZM 805 12V





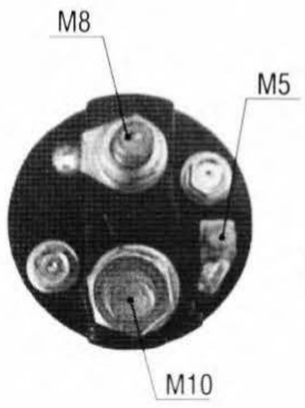


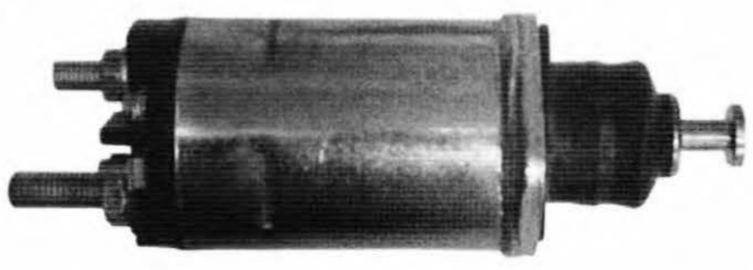
USED ON:
Allis-Chalmers, Clark, Consolidated Diesel, Cummins, Deutz, Deutz Allis, DMT, Dresser Construction, Ford New Holland, Freightliner, Hyster, IHC, Jacobsen, Lincoln Electric, Lister-Petter, Mack, Massey Ferguson, Melroe Bobcat, Miller Electric, Oshkosh, Perkins, RVI, Teledyne, Toro, Versalite, Waukesha, White. Delco 28 MT Series OSGR Starters.

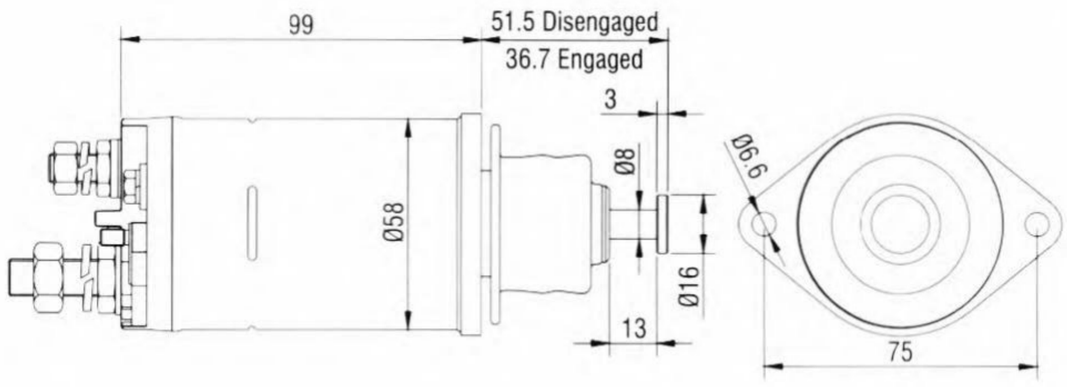
STARTERS:
Delco: 1113273 / 274 / 275 / 276 / 278 / 279 / 280 / 281 / 282 / 284 / 286 / 287 / 288 / 289 / 290 / 292 / 297, 10479604 / 619 / 621.

OEM SOLENOID:
Delco:
10457055

ZM 3-805 12V





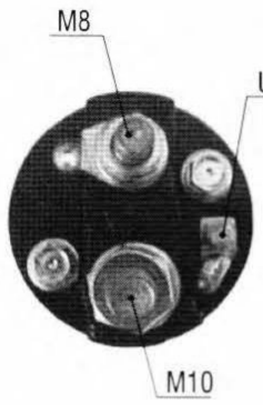


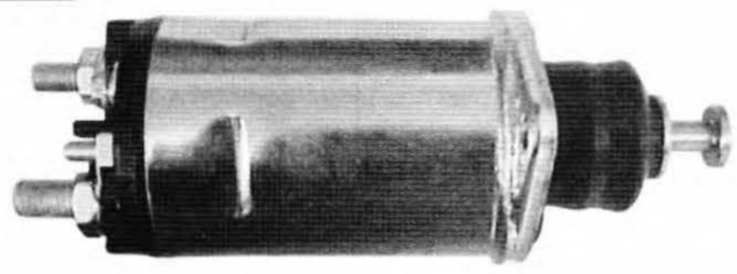
USED ON:
Delco 28 MT Series OSGR Starters.

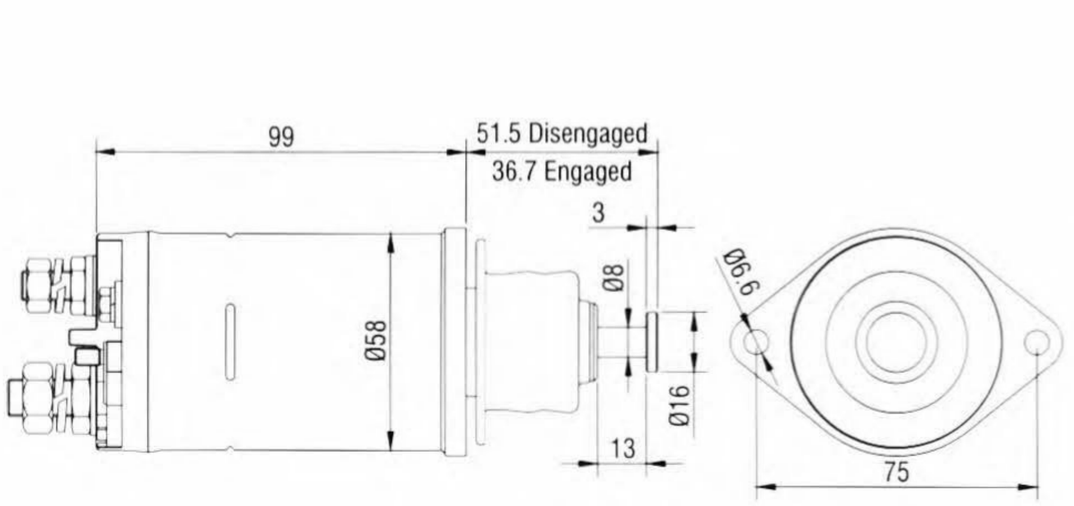
STARTERS:
Delco:

OEM SOLENOID:
Delco:
10478614

ZM 806 12V





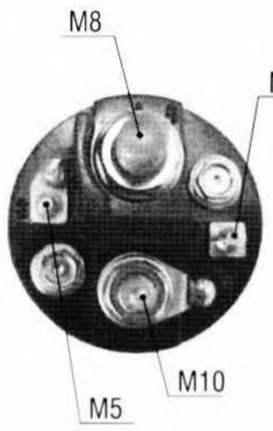


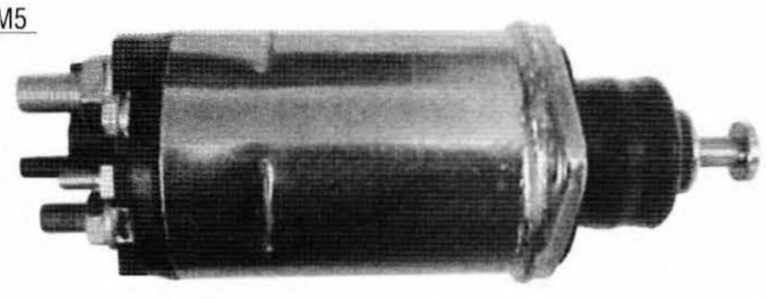
USED ON:
Chevrolet, GMC Truck. Delco 28 MT Series OSGR Starters.

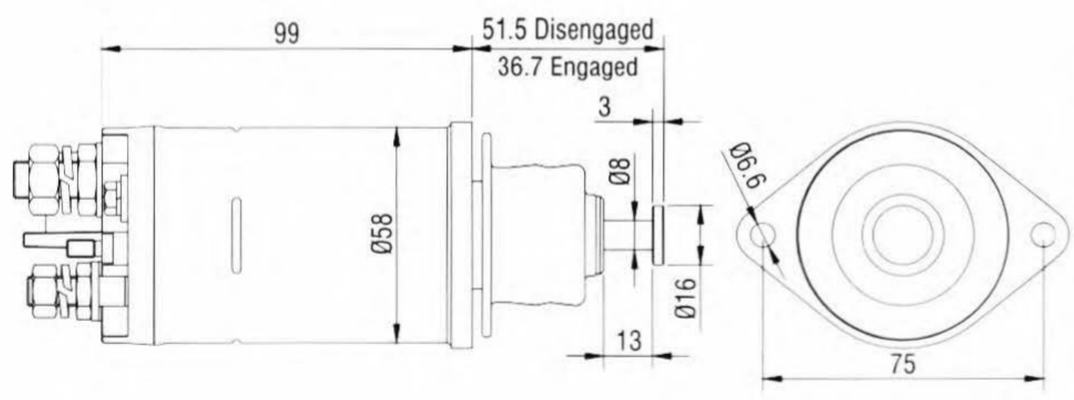
STARTERS:
Delco: 1113269 / 270 / 295 / 296.

OEM SOLENOID:
Delco:
10456454

ZM 807 12V





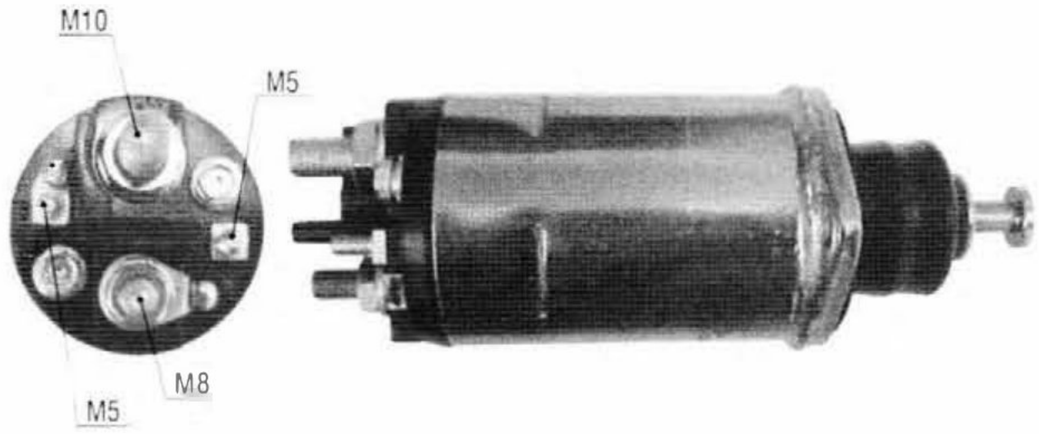


USED ON:
Caminhões Ford. Delco 28 MT Series OSGR Starters.

STARTERS:
Delco: 10479634.
Ford: E7HT-11001-AC.

OEM SOLENOID:
Delco:
10457232

ZM 808 12V

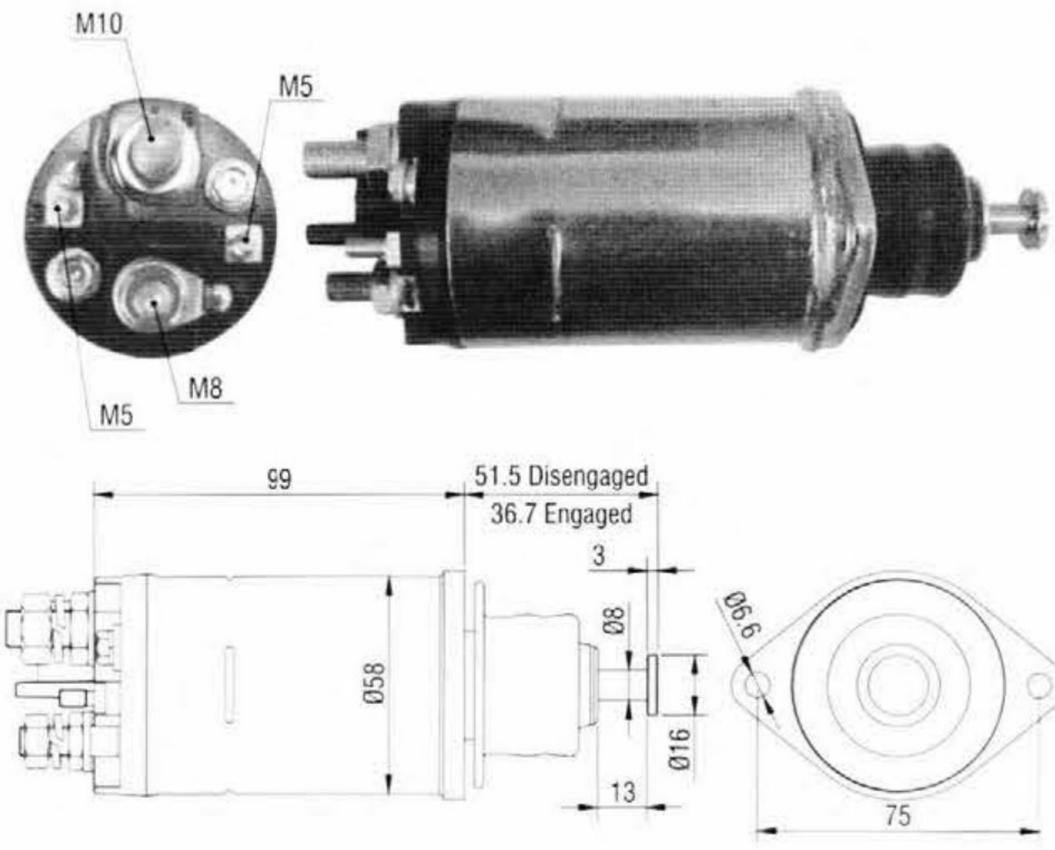


USED ON:
Empilhadeira Bobcat com Motor Kubota. Delco 28 MT Series OSGR Starters.

STARTERS:
Bosch: 10479613.

OEM SOLENOID:
Delco:
10457061

ZM 809 12V

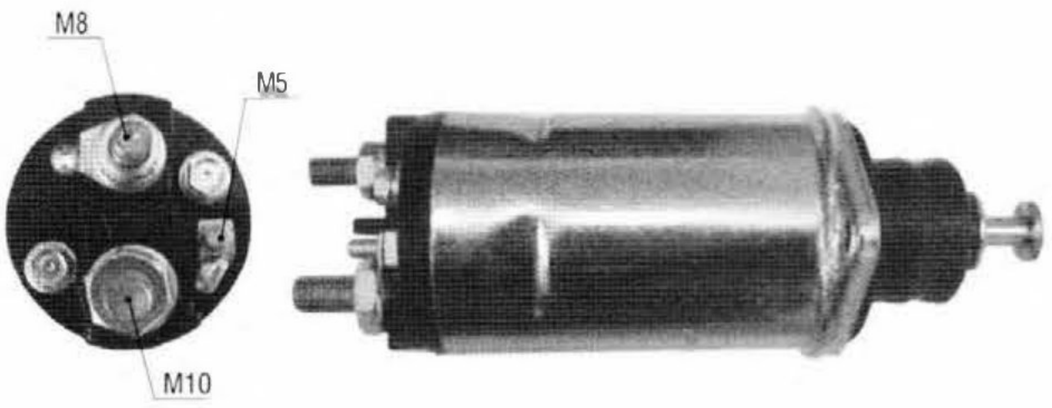


USED ON:
Bluebird, Clark, Ford Truck, John Deere. Delco 28 MT Series OSGR Starters.

STARTERS:
Delco: 1113271 / 285, 10479606 / 607 / 614 / 615 / 617 / 618 / 620 / 628.

OEM SOLENOID:
Delco:
10457151

ZM 810 24V



USED ON:
Consolidated Diesel, Cummins, Detroit Diesel, Mack. Delco 28 MT Series OSGR Starters.

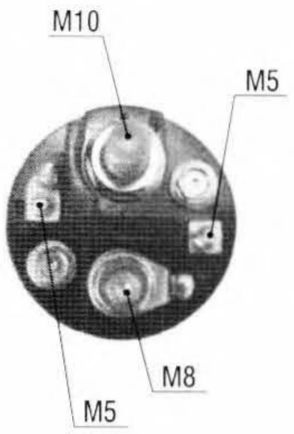
STARTERS:
Delco: 1113277 / 291, 10479605 / 612.

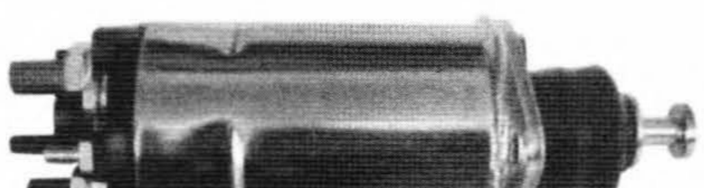
OEM SOLENOID:
Delco:
10457116

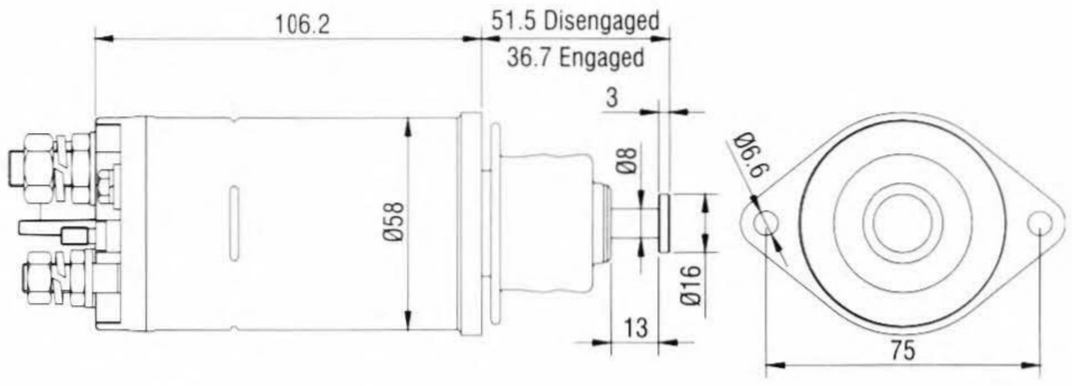
Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato

DELCO

ZM 811 24V







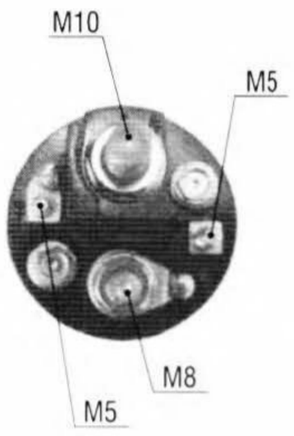
Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

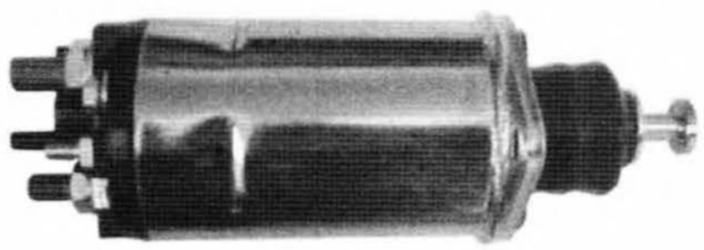
USED ON:
Lister-Petter. Delco 28 MT Series OSGR Starters.

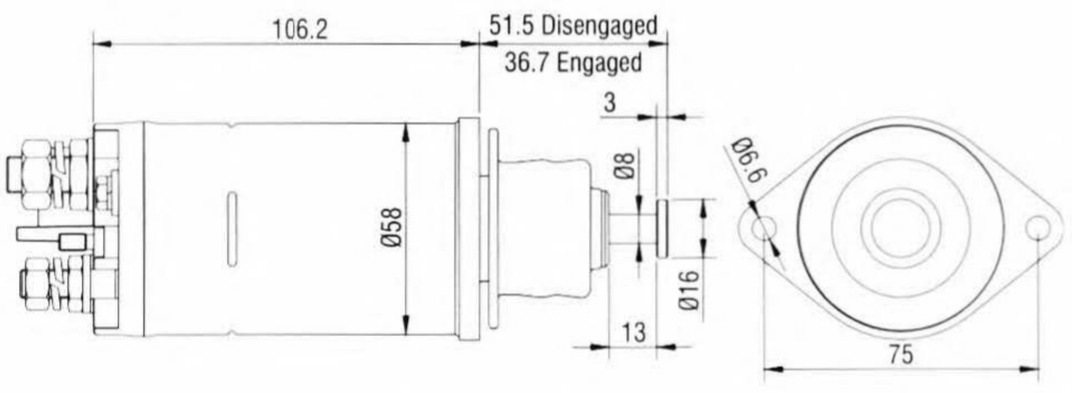
STARTERS:
Delco: 1113272, 10479600 / 608 / 616.

OEM SOLENOID:
Delco:
10457152

ZM 812 24V







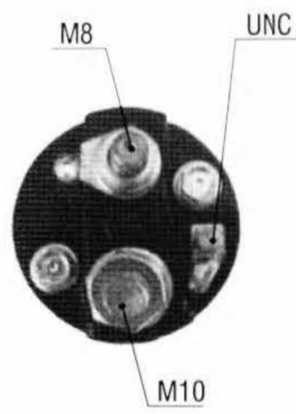
Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

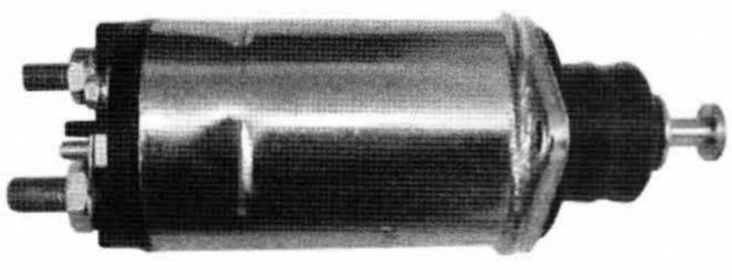
USED ON:
Lister-Petter. Delco 28 MT Series OSGR Starters.

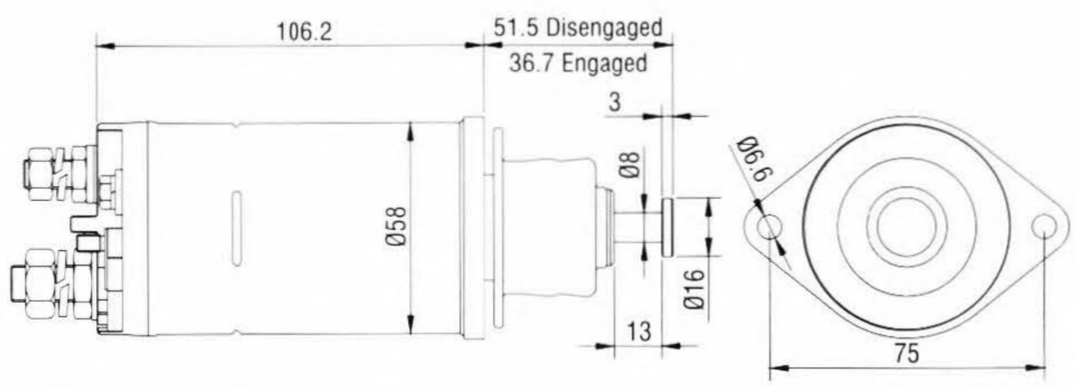
STARTERS:
Delco: 1113272, 10479600 / 608 / 616.

OEM SOLENOID:
Delco:
10457115

ZM 813 24V







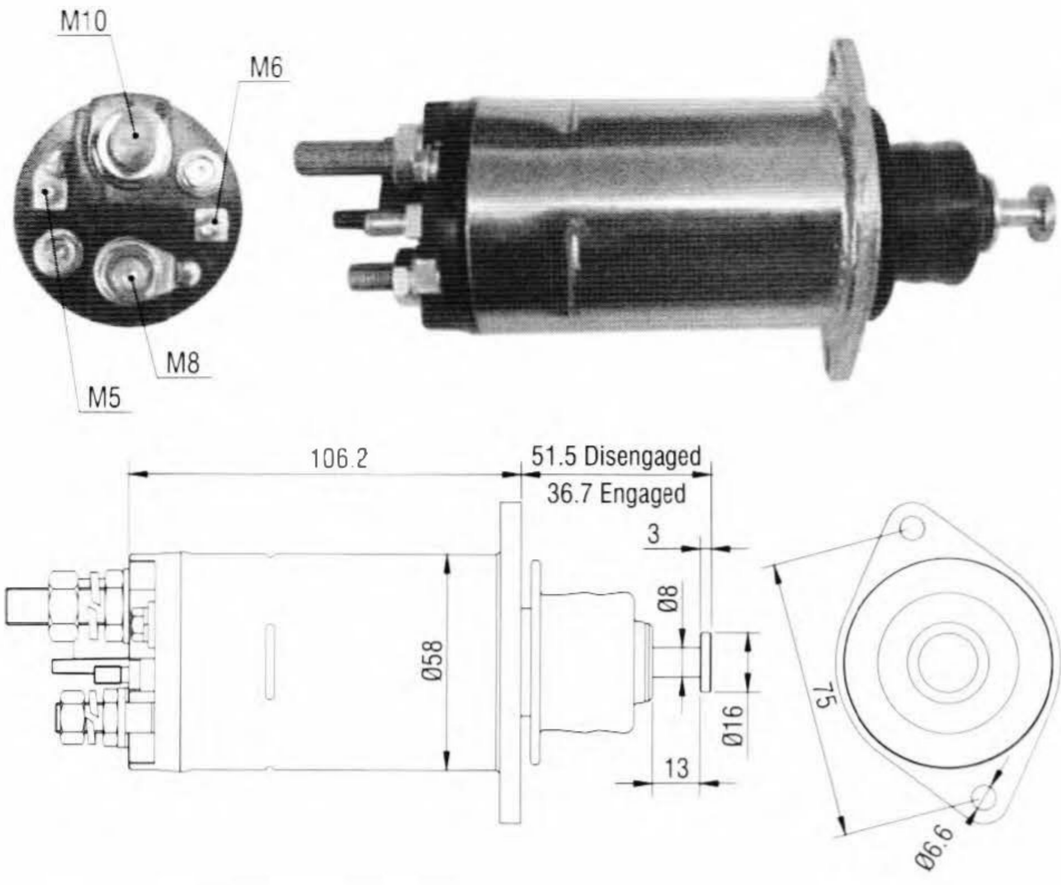
Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

USED ON:
Delco 28 MT Series OSGR Starters.

STARTERS:
Delco:

OEM SOLENOID:
Delco:
10457123

ZM 815 24V



Note: Silver contact brazed on contact bolts.
Nota: Pastilha de prata soldada nos parafusos de contato.

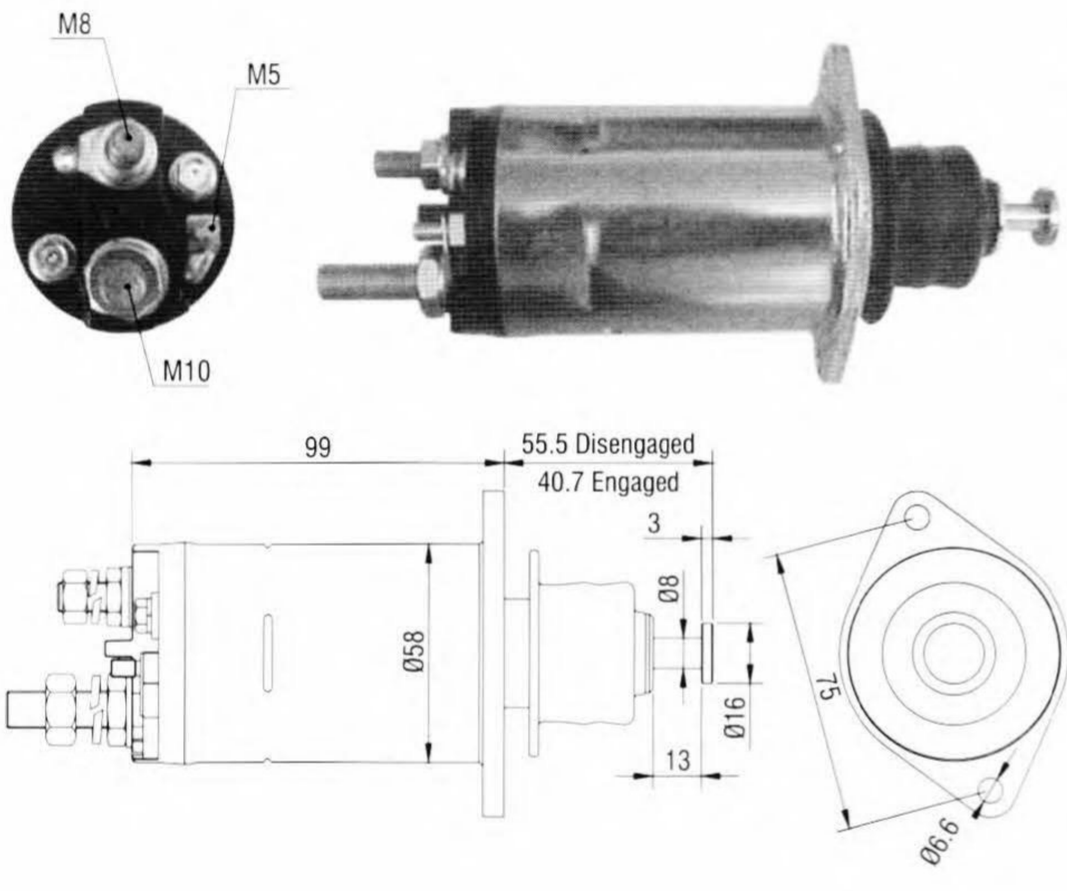
USED ON:
Mercedes Benz: Caminhões e Ônibus 712, 912, 914, 1215, 1417, 1625, 1628, 1632, 1721, 1725, 2423. Delco 28 MT Series OSGR Starters.

STARTERS:
Delco: 10479626.
Mercedes: A 005 151 22 01.

OEM SOLENOID:

Delco:	Mercedes:
10457368	001 152 36 10

ZM 817 12V



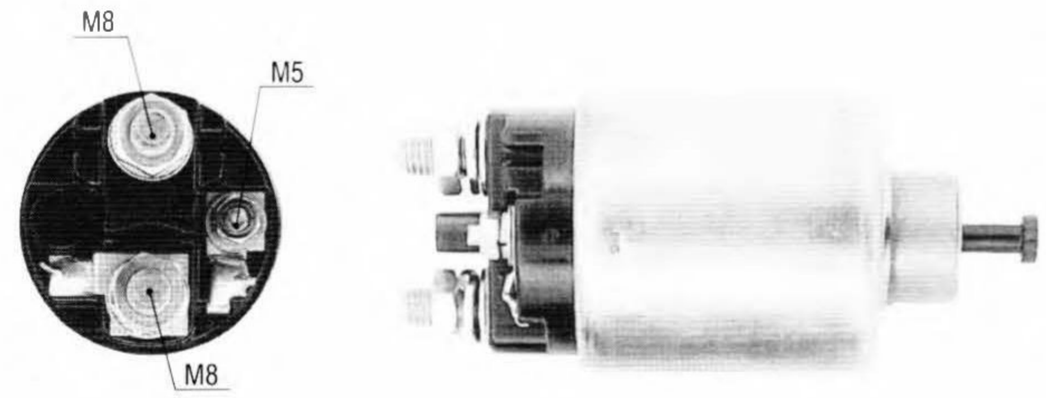
USED ON:
Delco 28 MT Series Starters. Mercedes Benz.

STARTERS:
Delco: 10479645.

OEM SOLENOID:
Delco:
10484660

ZM 860 12V

CAP ZM 860.96



USED ON:
Chevy Blazer, Jimray, C, K, R, V Series Pick-up V8 6.2L Diesel, Chevy Suburban, Sierra, G, P Series Step Van V8 5.7L, 7.4L, Chevy Yukon, Tahoe V8 5.7L, 7.4L, Buick Riviera, Park Avenue V6, Cadillac Commercial Deville, El Dorado, Seville V8, Chevy Camaro, Caprice, Impala V8, Oldsmobile Delta 88, 98 V6, Pontiac Bonneville V6 (9596). Buick, Cadillac, Chevrolet, Chevrolet Truck, GMC Truck, Isuzu, Oldsmobile, Pontiac, Saturn. Delco PG 260 Series PMGR Starters.

STARTERS:
Delco: 9000786 / 798 / 804 / 805 / 806 / 812 / 819 / 820 / 827 / 833 / 834 / 835 / 836 / 841 / 847 / 850 / 851 / 853 / 854 / 857 / 858 / 859 / 860 / 861 / 862 / 863 / 864 / 865 / 866 / 868 / 871 / 872 / 873 / 879 / 880 / 881 / 882 / 899 / 900, 24506694.

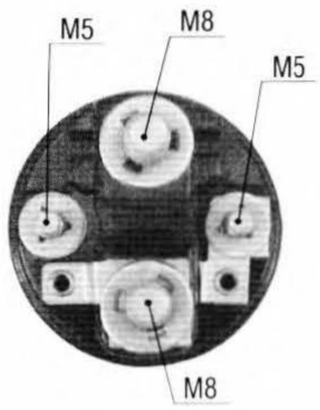
OEM SOLENOID:
Delco:

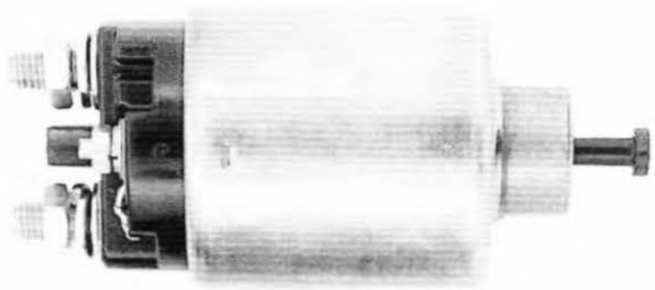
10475646	10475654

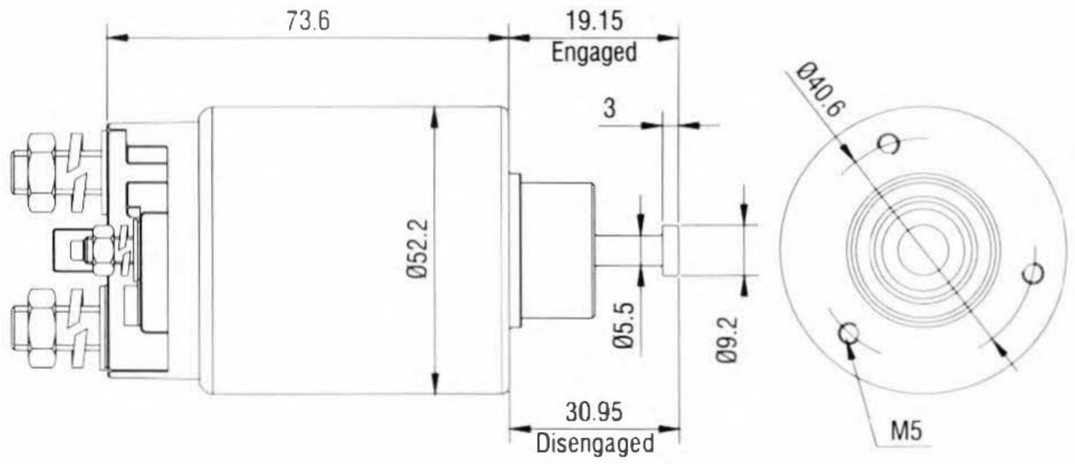
DELCO

ZM 1-860 12V

CAP ZM 1-860.96





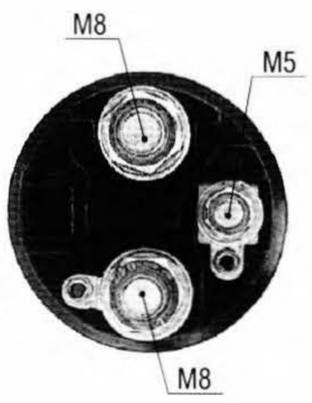


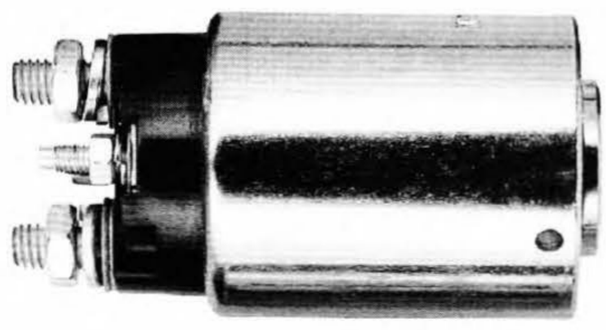
USED ON:
Mercury Marine. Delco PG 260 Series PMGR Starters.

STARTERS:
Delco: 9000821 / 822 / 840 / 844 / 867 / 884.

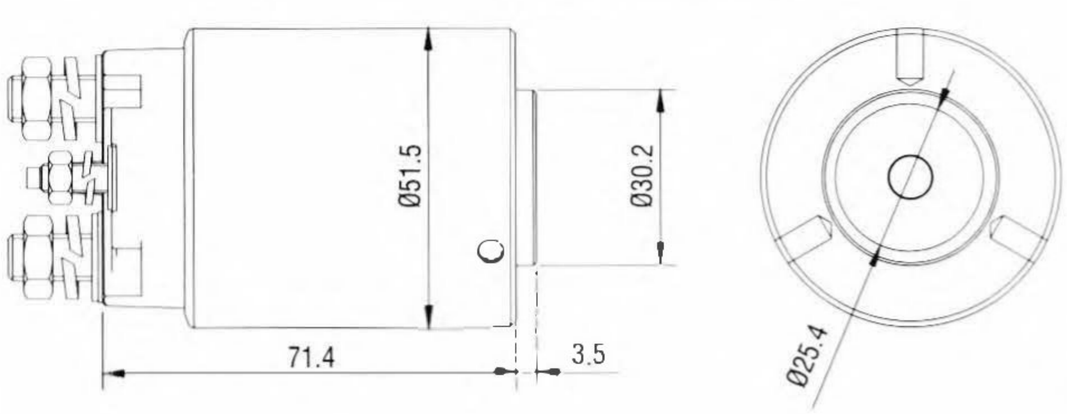
OEM SOLENOID:
Delco:
1114583

ZM 861 12V





OPTIONAL KIT
KIT OPCIONAL

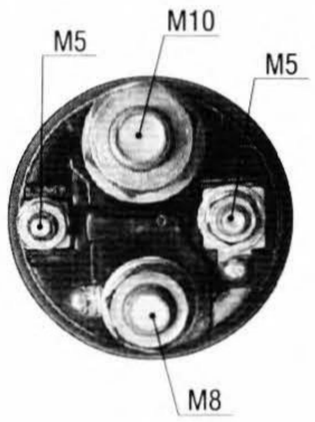


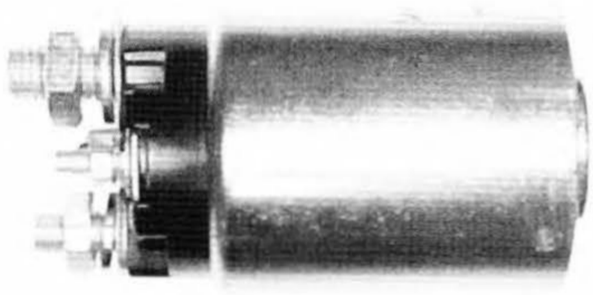
USED ON:
Buick, Cadillac, Chevrolet, GMC, Isuzu, Oldsmobile, Pontiac, Silverado, Saturn (1988→1996). Delco PG 200 e PG 250 PMGR Starters.

STARTERS:
Delco: 9000719 / 735 / 773 / 775, 10455010 / 011 / 012 / 013 / 025 / 026 / 042 / 047 / 048 / 051 / 053 / 054 / 060 / 061 / 070 / 076, 21021366.

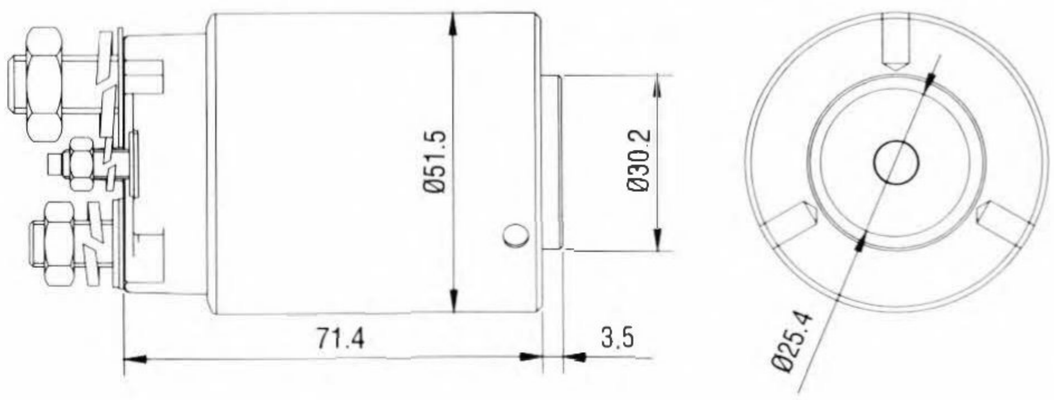
OEM SOLENOID:
Delco:
1114578 10469039
1114582 D922A
1114584 D936A

ZM 1-862 12V





OPTIONAL KIT
KIT OPCIONAL

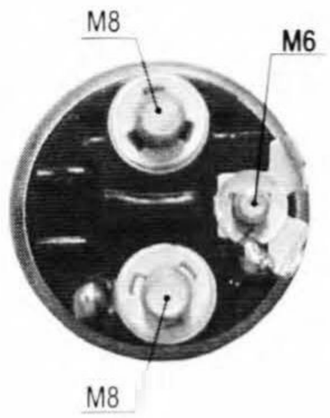


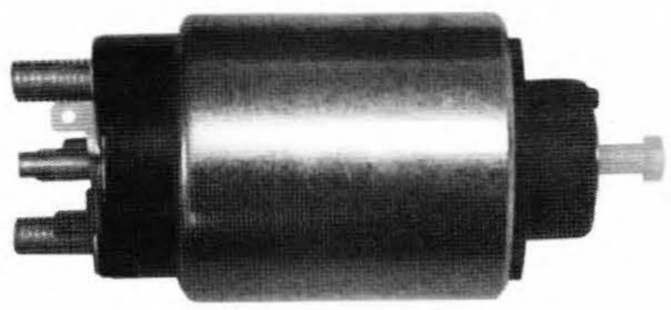
USED ON:
Buick, Mercury Marine, Oldsmobile, Pontiac (1991→1994). Delco PG 200 e PG 250 PMGR Starters.

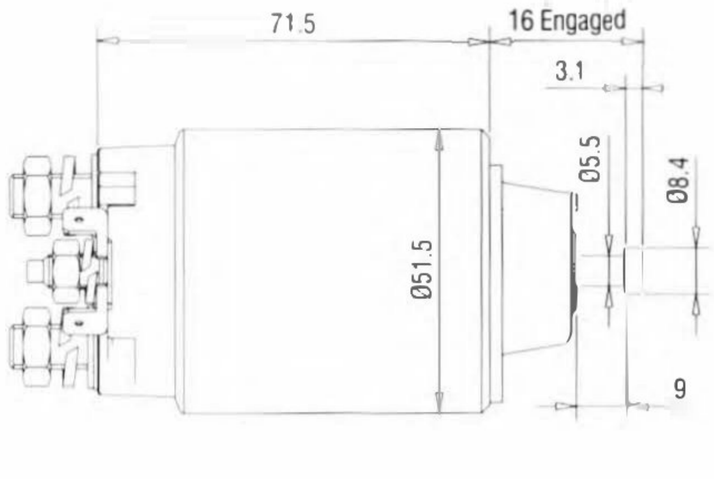
STARTERS:
Delco: 9000762 / 763 / 768 / 776 / 789 / 797.

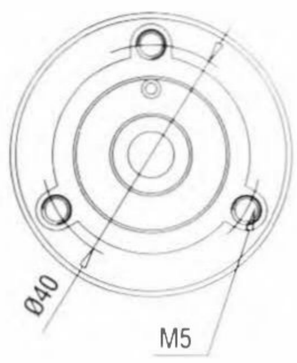
OEM SOLENOID:
Delco:
1114580
1114581

ZM 864 12V







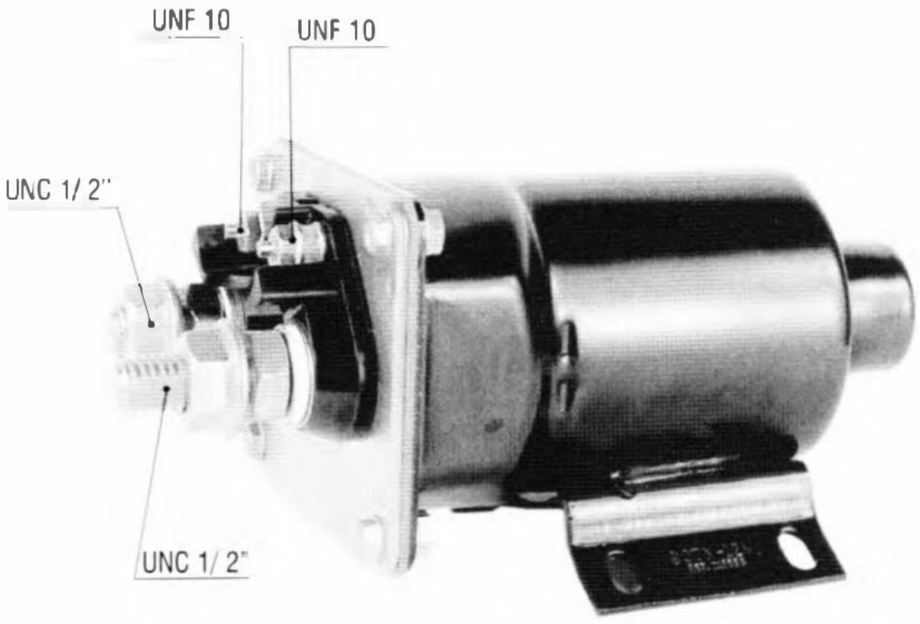


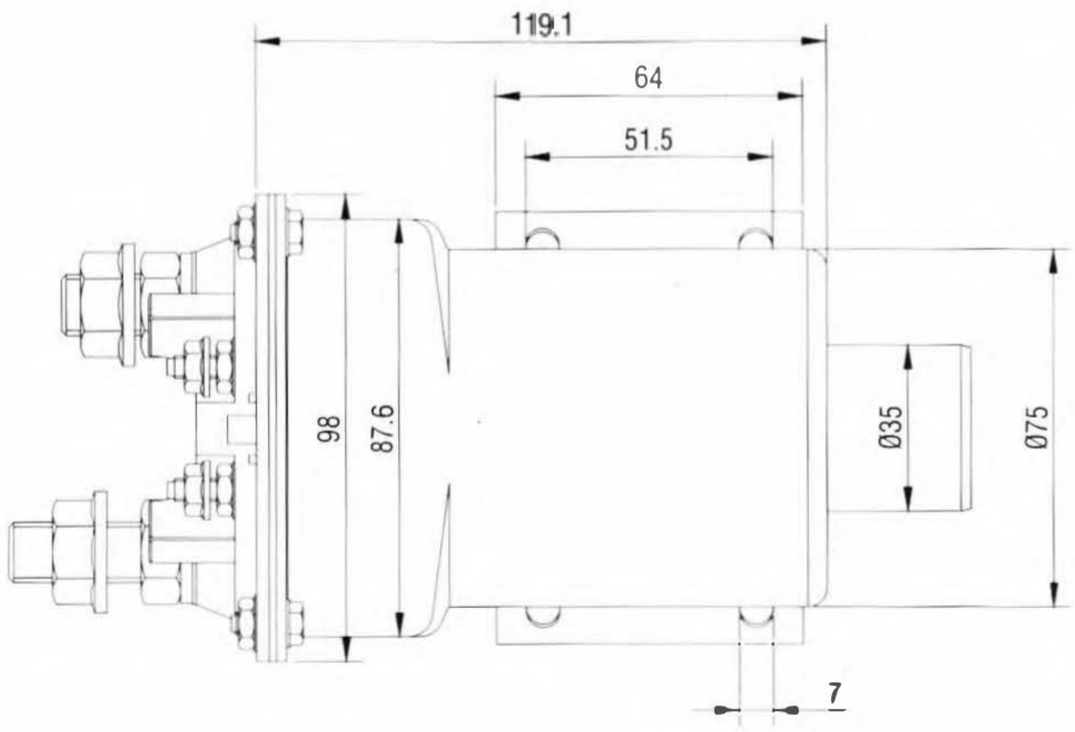
USED ON:
Saturn, Daewoo Super Slalon 2.0, Omega 2.0. Delco PG 150S Series PMGR Starters.

STARTERS:
Delco: 9000794, 21020761

OEM SOLENOID:
Delco:
10482844

ZM 950 24V





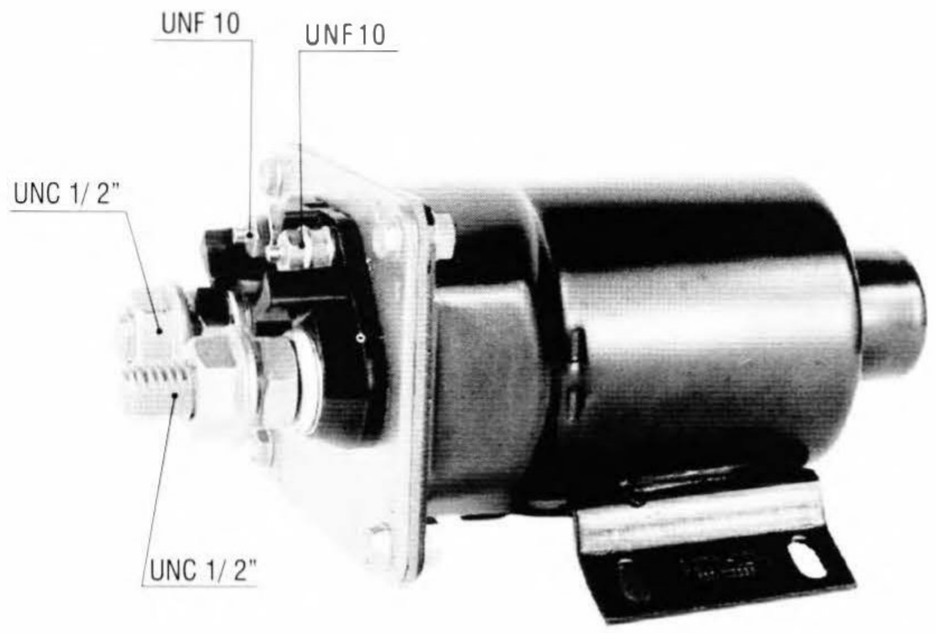
USED ON:
Delco 40 MT, 50 MT Series DD Starters.

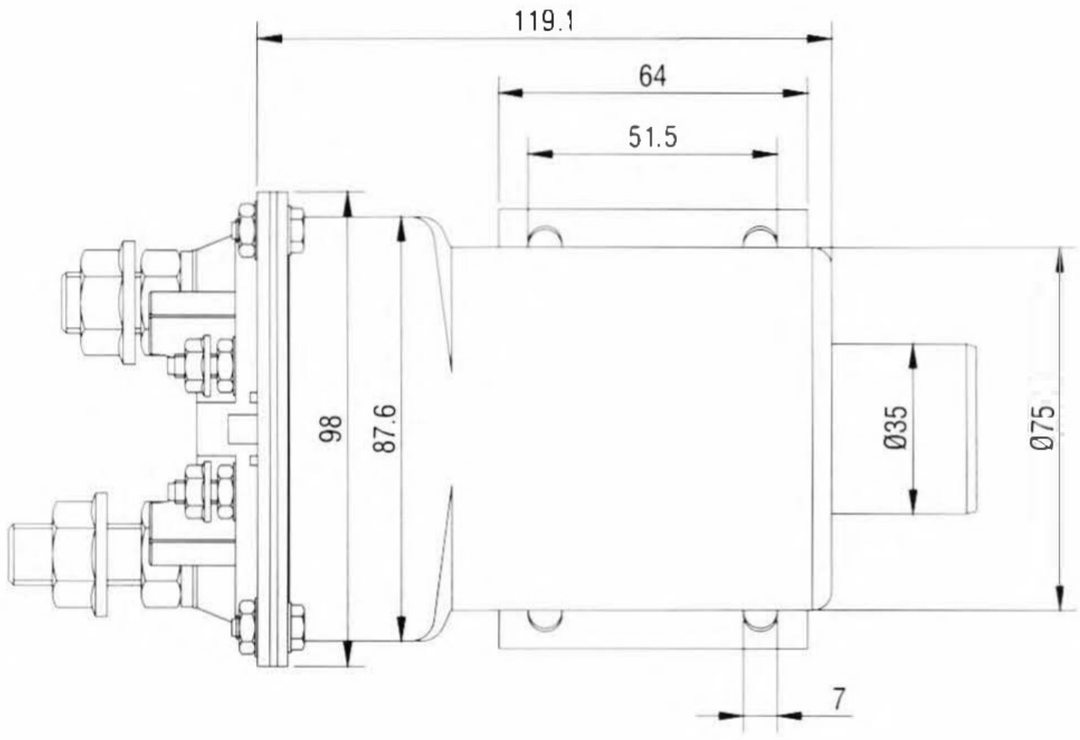
STARTERS:
Delco: 1109222 / 285 / 292 / 294 / 296 / 299 / 493 / 494 / 497 / 553 / 555 / 624 / 628 / 630 / 631 / 632 / 633 / 635 / 637 / 638 / 640 / 641 / 642 / 643 / 644 / 645 / 646 / 647 / 648 / 649 / 830 / 832 / 833 / 834 / 835 / 836 / 837 / 838 / 839 / 840 / 841 / 842 / 844 / 845 / 846 / 847 / 848 / 849;
1113533 / 534 / 535 / 536 / 539 / 540 / 541 / 542 / 544 / 545 / 584 / 585;
1114677 / 679 / 680 / 681 / 682 / 683 / 684 / 685 / 686 / 687 / 688 / 689 / 755 / 756 / 759 / 762 / 767 / 772 / 805 / 840 / 842 / 846 / 848 / 849 / 850 / 851 / 852 / 853 / 854 / 855 / 856 / 857 / 858 / 859 / 861 / 862 / 863 / 864 / 865 / 871 / 872 / 873 / 874 / 875 / 876 / 878 / 879 / 880 / 903 / 905 / 909 / 910 / 914 / 915 / 916 / 921 / 922 / 923 / 926 / 935 / 945 / 947 / 948 / 949 / 950 / 951 / 952 / 953 / 959 / 963 / 964 / 968 / 970 / 971 / 972 / 973 / 974 / 979 / 982 / 987 / 989 / 995;
1990202 / 210 / 222 / 227 / 228 / 229 / 231 / 232 / 233 / 234 / 235 / 236 / 237 / 238 / 239 / 240 / 241 / 243 / 244 / 247 / 248 / 249 / 250 / 251 / 259 / 260 / 262 / 263 / 264 / 265 / 266 / 267 / 268 / 269 / 270 / 271 / 273 / 274 / 276 / 278 / 279 / 291 / 297 / 324 / 328 / 340 / 343 / 346;
1993700 / 704 / 739 / 781 / 847 / 852 / 860 / 989;
10478846 / 848 / 850 / 851 / 852 / 853 / 855 / 856 / 859 / 860 / 862 / 863 / 864 / 865 / 866 / 869 / 872 / 874 / 878 / 879 / 880 / 882 / 883 / 884 / 887 / 888 / 903 / 905 / 906 / 907 / 908 / 909 / 911 / 912.

OEM SOLENOID:
Delco:
1115559

DELCO

ZM 951 12V





USED ON:
Delco 40 MT, 50 MT Series DD Starters.

STARTERS:
Delco: 1109295, 1109545, 1109554;
1113500, 1113532, 1113537, 1113538, 1113543, 1113547;
1114748, 1114749, 1114750, 1114751, 1114752, 1114753, 1114754, 1114757, 1114758, 1114761, 1114765, 1114766, 1114769, 1114770, 1114771, 1114802, 1114807, 1114808, 1114809, 1114810, 1114811, 1114812, 1114814, 1114815, 1114817, 1114818, 1114819, 1114821, 1114822, 1114823, 1114825, 1114827, 1114828, 1114832, 1114834, 1114835, 1114836, 1114839, 1114882, 1114883, 1114884, 1114885, 1114886, 1114888, 1114889, 1114890, 1114891, 1114892, 1114893, 1114894, 1114895, 1114896, 1114897, 1114898, 1114899, 1114900, 1114901, 1114904, 1114906, 1114908, 1114911, 1114913, 1114927, 1114928, 1114929, 1114930, 1114931, 1114932, 1114933, 1114934, 1114938, 1114942, 1114943, 1114955, 1114956, 1114957, 1114960, 1114961, 1114967, 1114969, 1114975, 1114976, 1114977, 1114985, 1114986, 1114988, 1114990, 1114994, 1114997;
1990208, 1990209, 1990211, 1990212, 1990214, 1990215, 1990218, 1990219, 1990221, 1990223, 1990224, 1990261, 1990277, 1990280, 1990296, 1990299, 1990303, 1990325, 1990329, 1990481;
1993703, 1993859, 1993864, 1993968;
10478813, 10478877, 10478881, 10478910, 10478917.

OEM SOLENOID:
Delco:
1115556

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

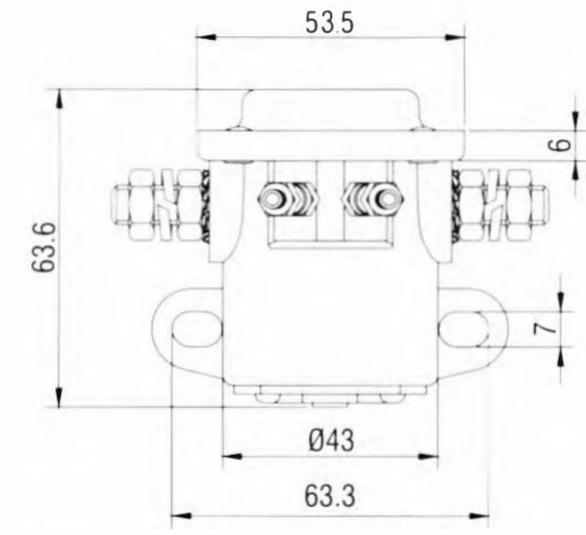
Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

FORD





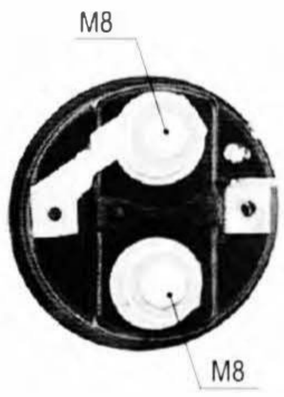
ZM 401 12V

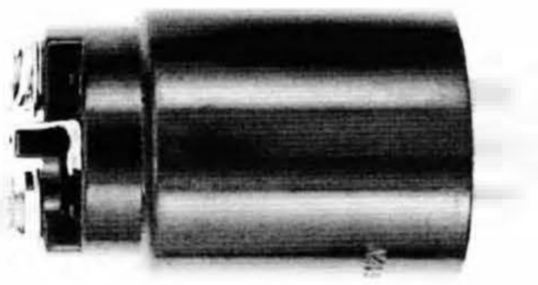
USED ON:
Ford , Lincoln, Mercury.

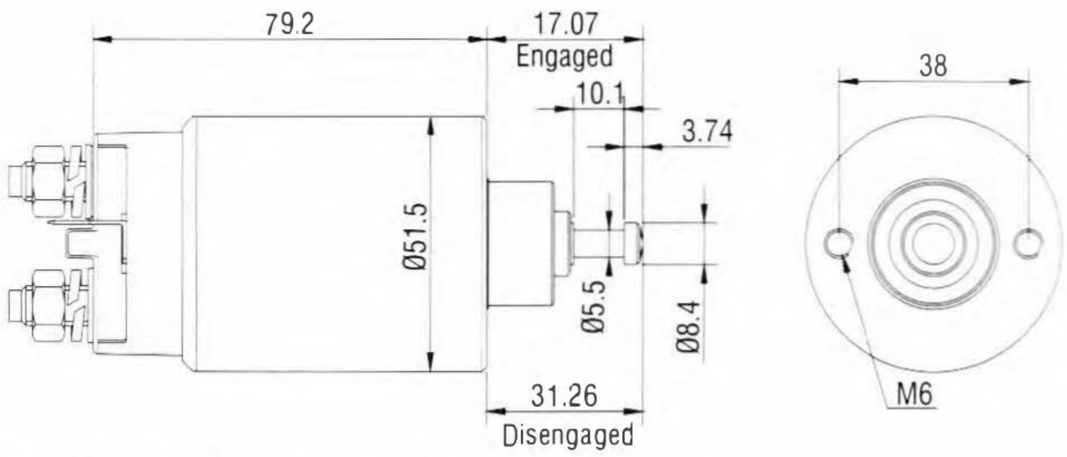
STARTERS:

OEM SOLENOID:

Ford:		Motorcraft:	Volkswagen:
BD7T-11450-A	C7AF-11450-A	SW-3	TD2-911-251-A
B6AZ-11450-A	D9AZ-11450-A		
D2DZ-11450-A			







Note: Similar to ZM 1-760 except tinned contact bolts.
Nota: Similar ao ZM 1-760 sem estanho nos parafusos de contato.

ZM 760 12V

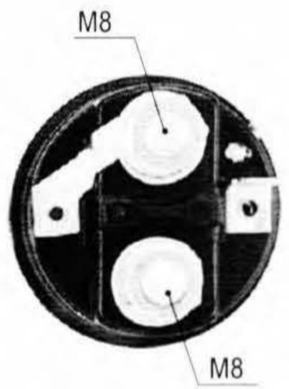
CAP ZM 760.96

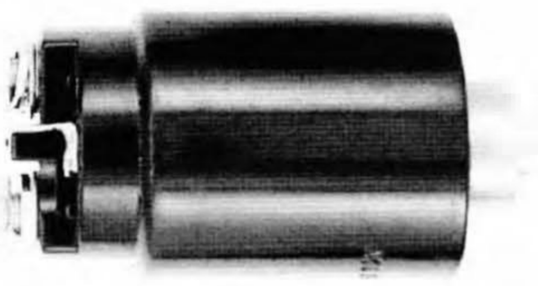
USED ON:
Ford, Lincoln Continental, Town Car, Ford Probe, Taurus, Aerostar, Ranger Pick-up, Tempo, Escort, Explorer, Crown Victoria, F-Series Truck, F-Series Pick-up, Bronco, Mustang, Aerostar, E-Series Van, Windstar, Mercury Sable, Topaz, Tracer, Grand Marquis, Mazda Navajo, Pick-up.

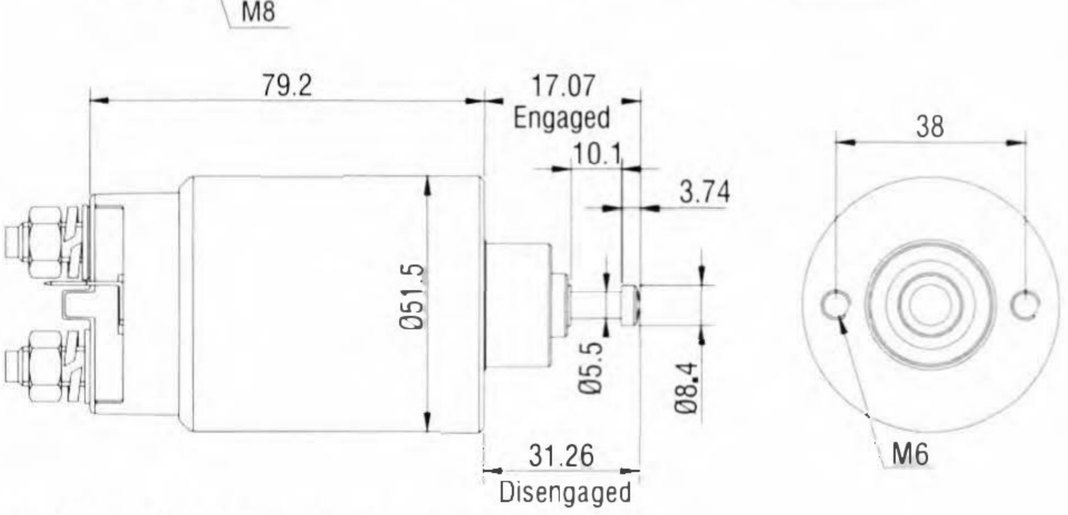
STARTERS:
Ford: F9OF-11000-AA / BA, E9OY-11002-A / B, E9SF-11000-AA / BA, E9SZ-11002-A / B, F02F-11000-AA, F02U-11000-AA, F02Z-11002-A, F07U-11000-AA / BA, F0CF-11000-AA / BA, F0CU-11000-AA / AB / BA, F0CU-11001-AA / AB / BA, F0FZ-11002-A / B, F0OU-11000-AA, F0OY-11002-A, F0TZ-11002-A / B, F13U-11000-AA, F13Z-11002-A, D17U-11000-AB, F1TZ-11002-A, F1VU-11000-AA, F1VY-11002-A.

OEM SOLENOID:

Ford:		Motorcraft:	
E9OZ-11390-A	F3VY-11390-A	SW-2188	SW-2502
E9OZ-11390-B	F3VY-11390-B	SW-2207	SW-2502-A
F02Z-11390-A	F4DZ-11390-A	SW-2245	SW-5038







Note: Similar to ZM 760 with tinned contact bolts.
Nota: Similar ao ZM 760 com parafusos de contato estanhados.

ZM 1-760 12V

CAP ZM 1-760.96

USED ON:
Ford, Lincoln Continental, Town Car, Ford Probe, Taurus, Aerostar, Ranger Pick-up, Tempo, Escort, Explorer, Crown Victoria, F-Series Truck, F-Series Pick-up, Bronco, Mustang, Aerostar, E-Series Van, Windstar, Mercury Sable, Topaz, Tracer, Grand Marquis, Mazda Navajo, Pick-up.

STARTERS:
Ford: F9OF-11000-AA / BA, E9OY-11002-A / B, E9SF-11000-AA / BA, E9SZ-11002-A / B, F02F-11000-AA, F02U-11000-AA, F02Z-11002-A, F07U-11000-AA / BA, F0CF-11000-AA / BA, F0CU-11000-AA / AB / BA, F0CU-11001-AA / AB / BA, F0FZ-11002-A / B, F0OU-11000-AA, F0OY-11002-A, F0TZ-11002-A / B, F13U-11000-AA, F13Z-11002-A, D17U-11000-AB, F1TZ-11002-A, F1VU-11000-AA, F1VY-11002-A.

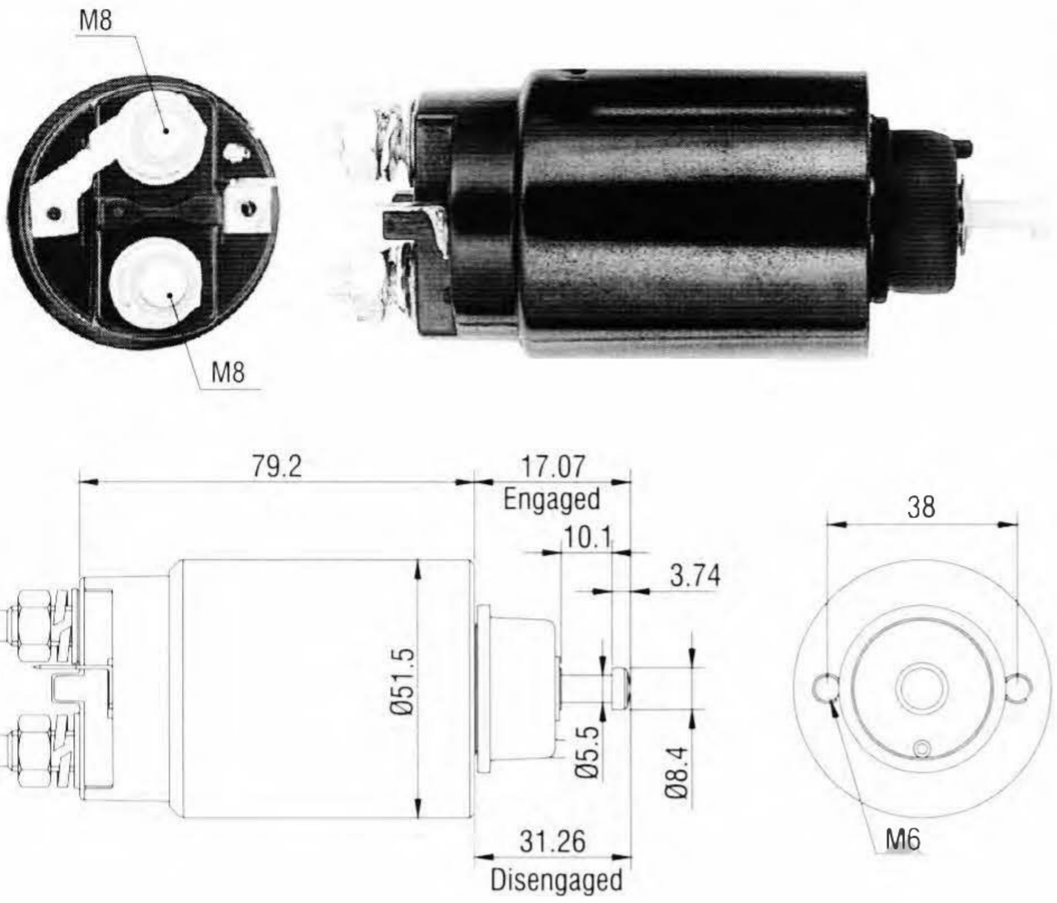
OEM SOLENOID:

Ford:		Motorcraft:	
E9OZ-11390-A	F3VY-11390-A	SW-2188	SW-2502
E9OZ-11390-B	F3VY-11390-B	SW-2207	SW-2502-A
F02Z-11390-A	F4DZ-11390-A	SW-2245	SW-5038

FORD

ZM 4 -760 12V

CAP ZM 2-760.96



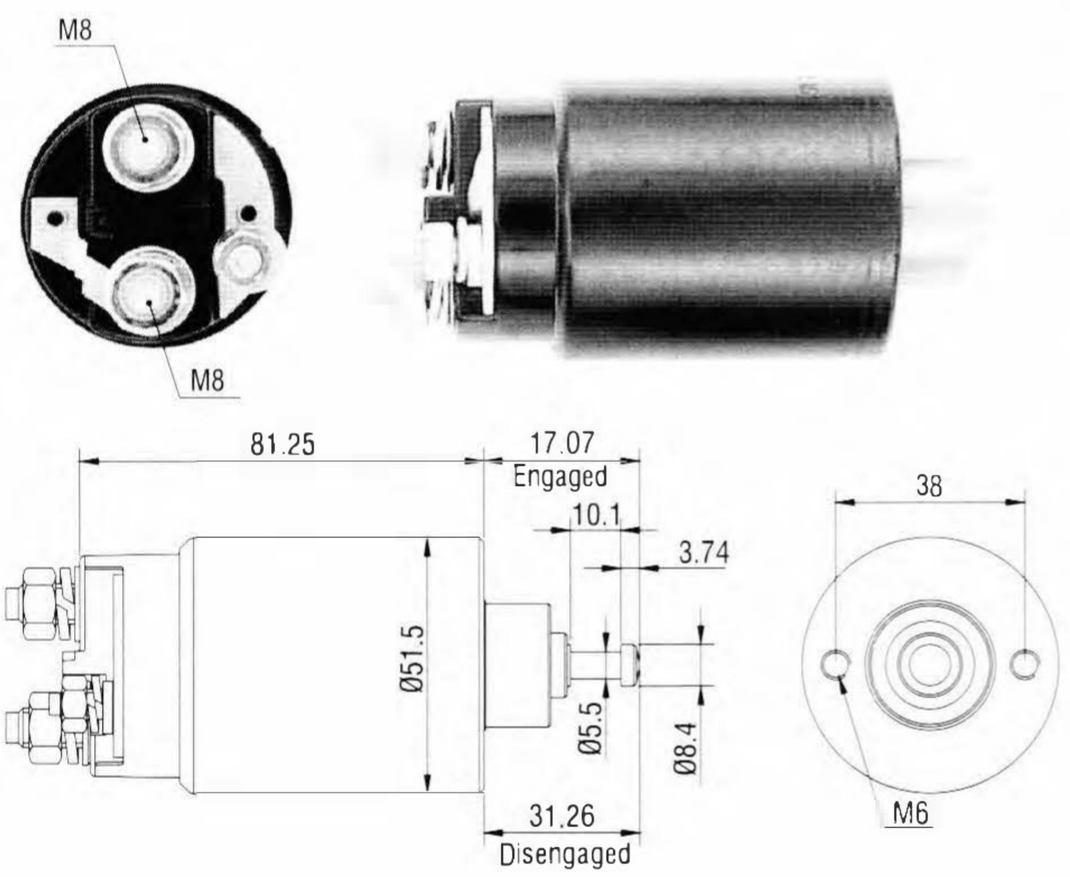
USED ON:
Ford Explorer, Aerostars and Ranger, 4.0L, A/T (It Fits All 1997).

STARTERS:
Ford: F77U-11000-AA.

OEM SOLENOID:

ZM 761 12V

CAP ZM 761.96



Note: Similar to ZM 1-761 except tinned contact bolts.
Nota: Similar ao ZM 1-761 sem estanho nos parafusos de contato.

USED ON:
Ford Contour, Lincoln Continental, Mercury Mystique, Mazda, Ford Jaguar, Ford Fiesta 1.0 and 1.3 (1996-→1999), Ford Ranger 2.5L Diesel, Ford Escort 1.8 L, Ford Escort 16V (1997-→2002)(Zetec), Ford Ka 1.0 and 1.3, Ford Focus 1.8 and 2.0Mondeo 16V 2.0 (1997-→1998), (Zetec).

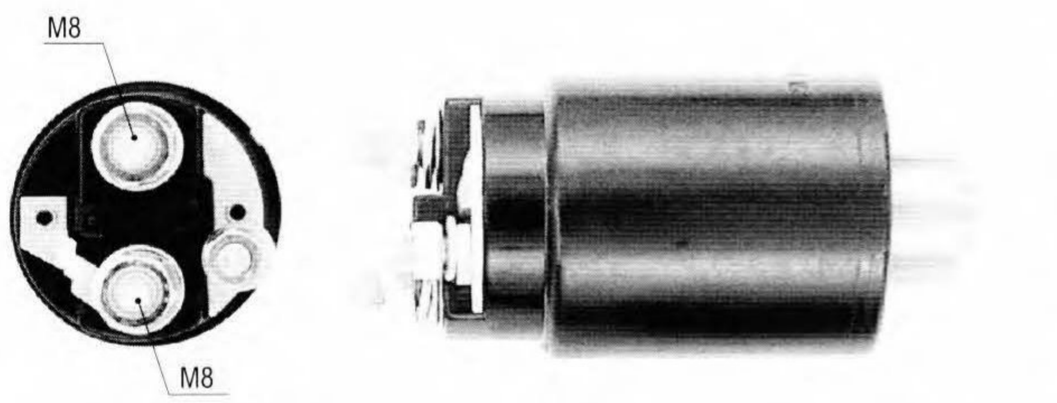
STARTERS:
Ford: F3RZ-11002-A, F3RZ-11002-B, F3RZ-11002-C, F5OY-11002-A, F87U-11000-DC, XS6U-11000-AC, 96BB-11000-AB, 97VB-11000-A, 97VB-11000-B, SA-813, SA-814, SA-815, SA-818.

OEM SOLENOID:
Ford:

F3RZ-11390-A	XS6U-11390-AA	SW-2507
F3RZ-11390-B	**Motorcraft:**	SW-5204
F78Z-11390-AA	SW-2506	

ZM 1-761 12V

CAP ZM 1-761.96



Note: Similar to ZM 761 with tinned contact bolts.
Nota: Similar ao ZM 761 com parafusos de contato estanhados

USED ON:
Ford Contour, Lincoln Continental, Mercury Mystique, Mazda, Ford Jaguar, Ford Fiesta 1.0 and 1.3 (1996-→1999), Ford Ranger 2.5L Diesel, Ford Escort 1.8 L, Ford Escort 16V (1997-→2002)(Zetec), Ford Ka 1.0 and 1.3, Ford Focus 1.8 and 2.0Mondeo 16V 2.0 (1997-→1998), (Zetec).

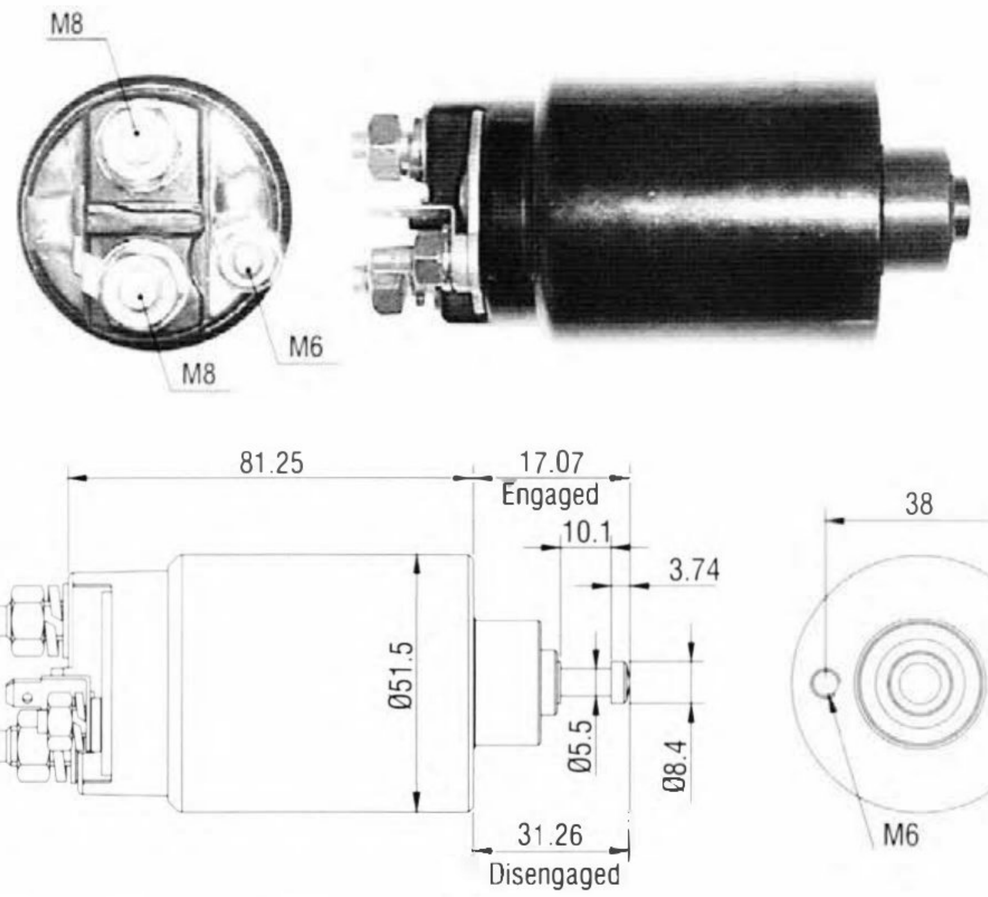
STARTERS:
Ford: F3RZ-11002-A, F3RZ-11002-B, F3RZ-11002-C, F5OY-11002-A, F87U-11000-DC, XS6U-11000-AC, 96BB-11000-AB, 97VB-11000-A, 97VB-11000-B, SA-813, SA-814, SA-815, SA-818.

OEM SOLENOID:
Ford:

F3RZ-11390-A	XS6U-11390-AA	SW-2507
F3RZ-11390-B	**Motorcraft:**	SW-5204
F78Z-11390-AA	SW-2506	

ZM 8-761 HY

CAP ZM 8-761.96



Note: Similar to ZM 1-761 with spade terminal
Nota: similar ao ZM 1-761 com terminal espada.

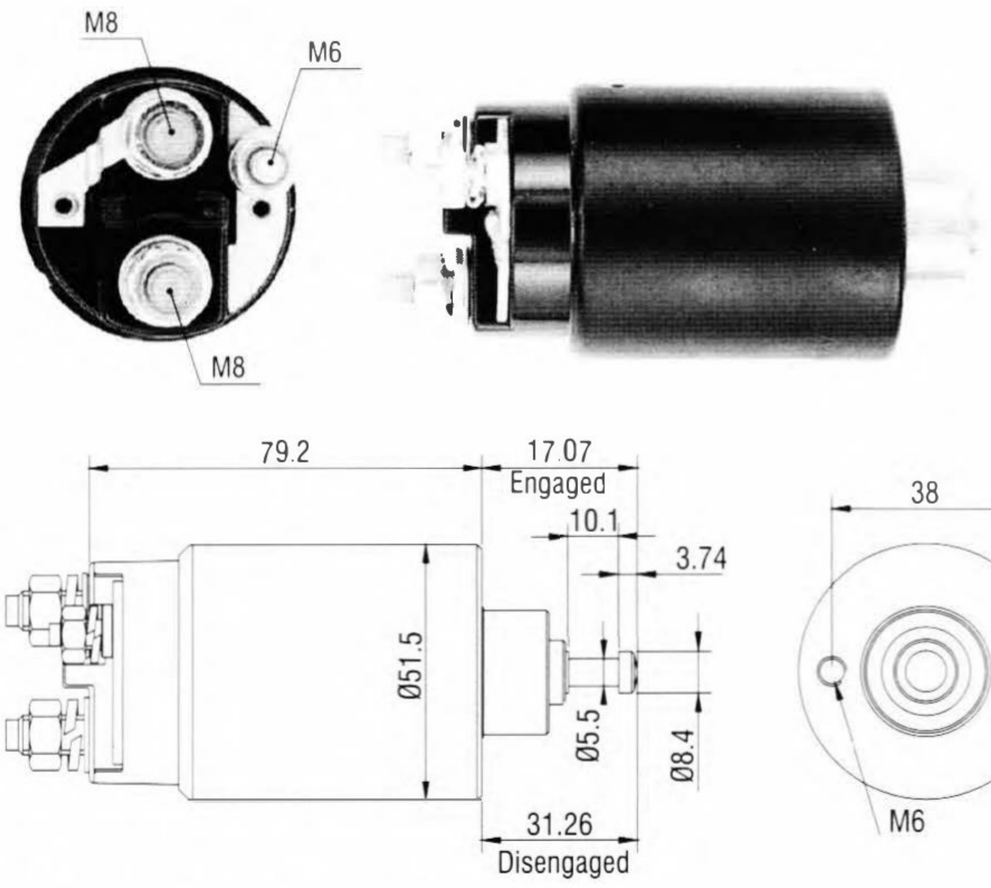
USED ON:
For Ford Vehicles.

STARTERS:

OEM SOLENOID:

ZM 762 12V

CAP ZM 762.96



Note: Similar to ZM 1-762 except tinned contact bolts.
Nota: Similar ao ZM 1-762 sem estanho nos parafusos de contato.

USED ON:
Ford Contour, Mercury Mystique, Lincoln, Ranger 2.5 (Gas.), F 250 4.2L (Gas.).

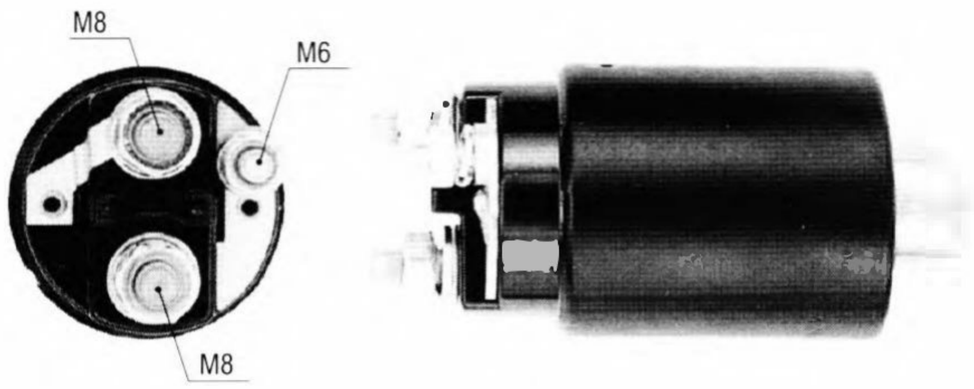
STARTERS:
Ford: F6VU-11000-AA, F6VZ-11002-AA, SA-822.

OEM SOLENOID:
Ford:
F6VZ-11390-AA

Motorcraft:
SW-5112
SW-5203

ZM 1-762 12V

CAP ZM 1-762.96



Note: Similar to ZM 762 with tinned contact bolts.
Nota: Similar ao ZM 762 com parafusos de contato estanhados.

USED ON:
Ford Contour, Mercury Mystique, Lincoln, Ranger 2.5 (Gas.), F 250 4.2L (Gas.).

STARTERS:
Ford: F6VU-11000-AA, F6VZ-11002-AA, SA-822.

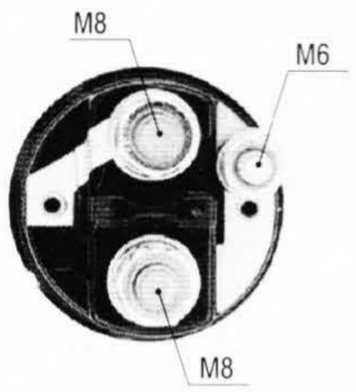
OEM SOLENOID:
Ford:
F6VZ-11390-AA

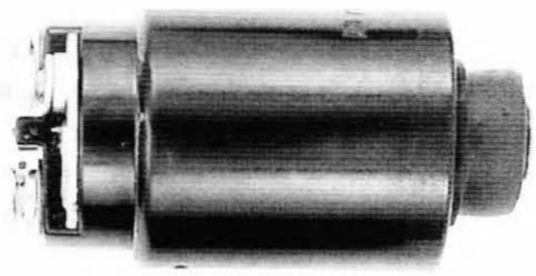
Motorcraft:
SW-5112
SW-5203

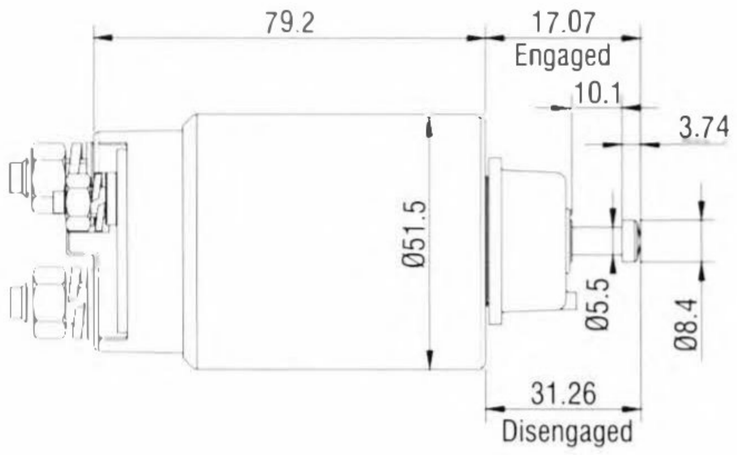
FORD

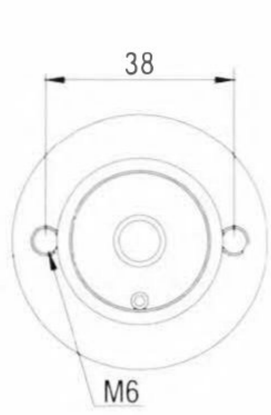
ZM 2-762 12V

CAP ZM 1-762.96









USED ON:
Ford F 150 V6 4.2L and 1.6L, Lincoln, Mercury.

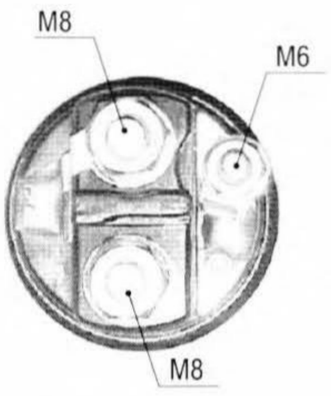
STARTERS:
Ford: F75U-11000-AB, F75U-11000-AC, F75Z-11002-AA, F7UU-11000-AA, F7UZ-11002-AA, F81U-11000-AA, F81U-11000-AC, F81Z-11002-AA XL1U-11000-AA, XL1U-11000-AB, XL1Z-11002-AA, SA-842, SA-848, SA-873, SA-875.

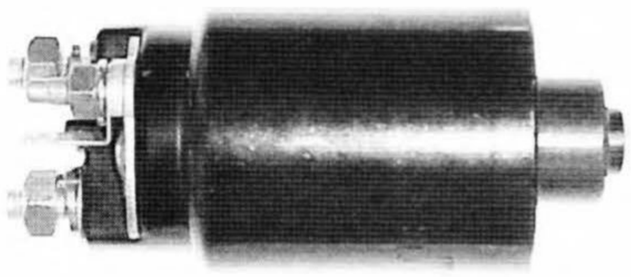
OEM SOLENOID:

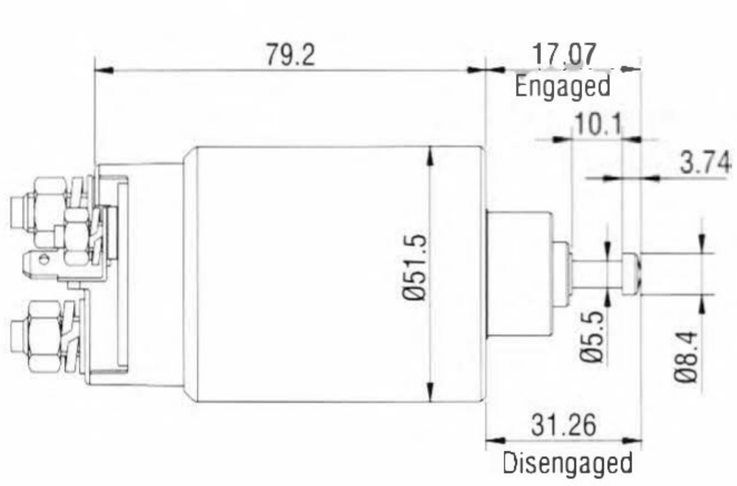
Ford:	Motorcraft:
F75Z-11390-AA	SW-5189
F8ZZ-11390-BA	

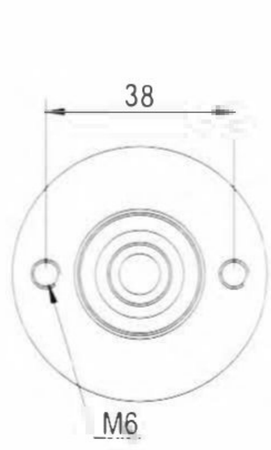
ZM 8-762

CAP ZM 8-762.96









Note: Similar to ZM 1-762 with spade terminal.
Nota: similar ao ZM 1-762 com terminal espada.

USED ON:
For Ford Vehicles.

STARTERS:

OEM SOLENOID:

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

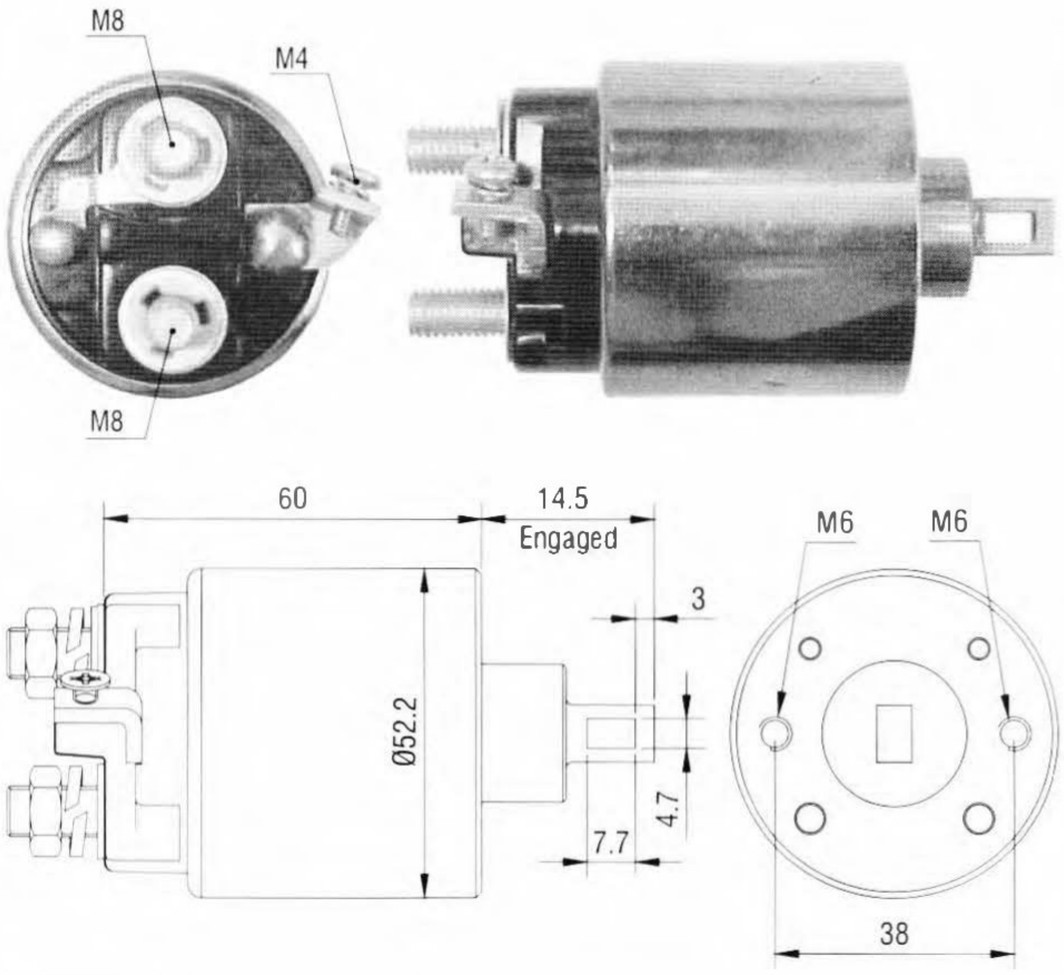
Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

HITACHI

ZM 410 12V

CAP ZM 410.96



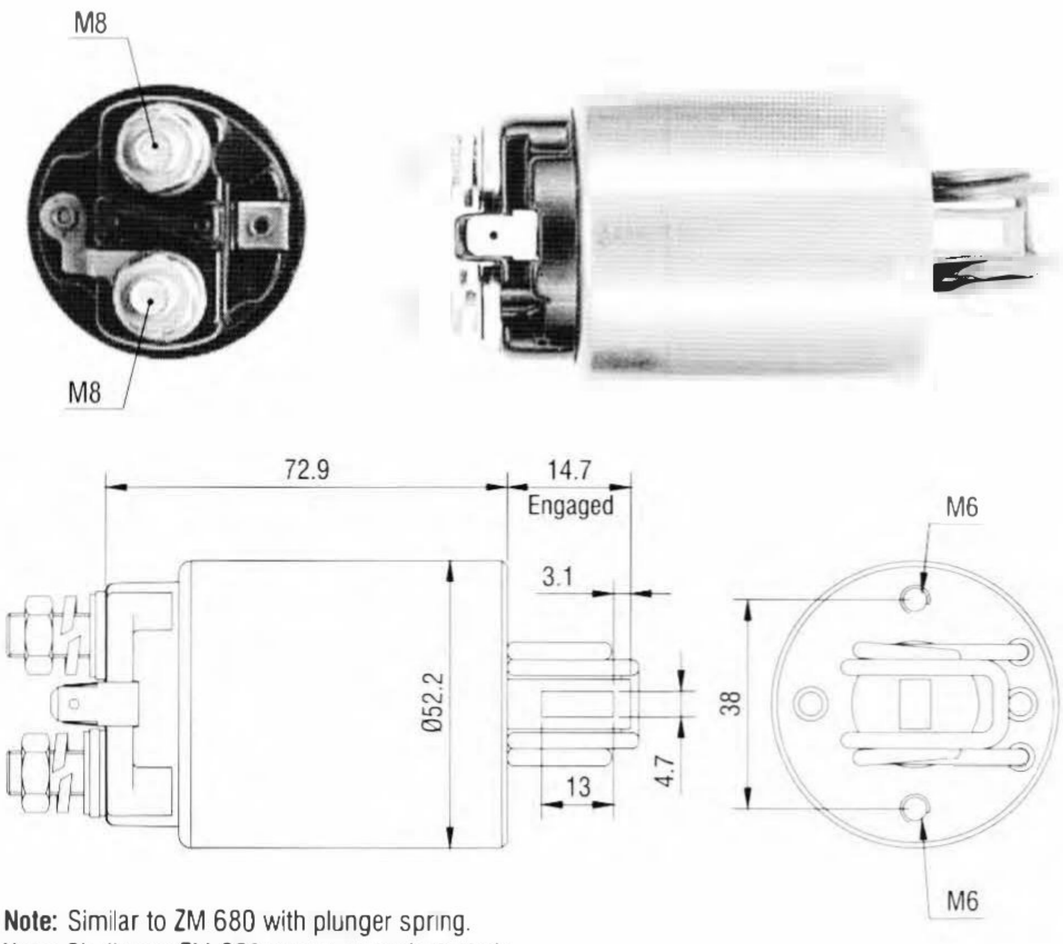
USED ON:
Opel: Combo 1.7 Diesel (07.94→), Corsa 1.7 Diesel (04.96→).

STARTERS:
Hitachi: S114-850.

OEM SOLENOID:
Hitachi:
2114-37613
2114-97612

ZM 581 12V

CAP ZM 680.96



Note: Similar to ZM 680 with plunger spring.
Nota: Similar ao ZM 680 com a mola do êmbolo.

USED ON:
Nissan: Bluebird 160 B, 180 B, 1400, 1600, 1.6, 1.8, King Cap 1.8, 2.0, 2.2, Laurel 2000 4 Cyl., 2.4i, Maxima 2.0, Patrol 2.8, Silvia 180 SX, 2.0 16V, Skyline 1600, 1800, Sunny 1600, Sunny Excellent, Violet 140j, 1.6, 140y, Nissan 1600, 1800, 2000, 2200, 2400 Pick-up. **TCM:** FHG 35, 40.

STARTERS:
Hitachi: S108-85, S108-86, S108-91, S114-170B, S114-180, S114-254A.

OEM SOLENOID:

Hitachi:	**Nissan:**
2114-57001	23343-N3300
Honda:	23343-N3301
31204-634-005	

ZM 582 12V

CAP ZM 680.96



Note: Similar to ZM 681 with plunger spring
Nota: Similar ao ZM 681 com a mola do êmbolo.

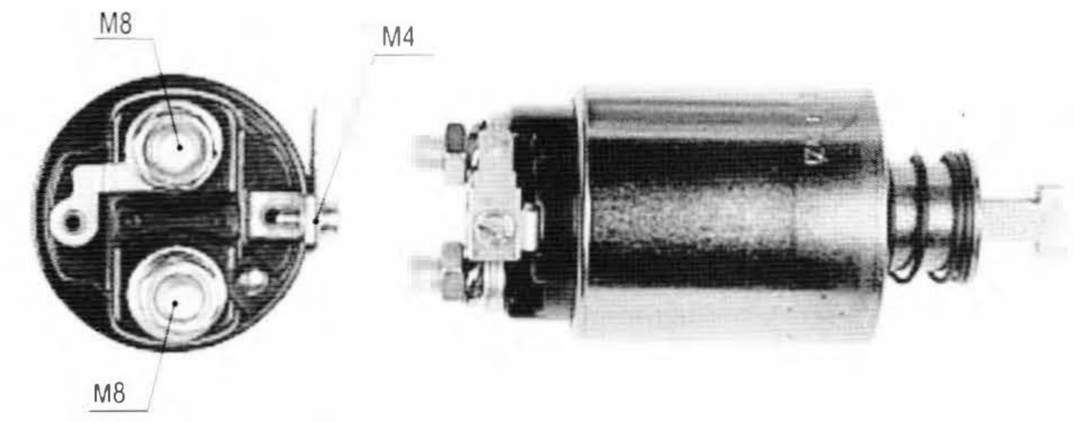
USED ON:
Nissan Laurel 2800 D, Nissan B210, F10, 310, 210, Maxima, 720 Pick-up and D21 Pick-up.

STARTERS:
Hitachi: S13-47, S13-50, S13-64, S13-69.

OEM SOLENOID:
Hitachi:
2114-77004
Nissan:
23343-H5000

ZM 583 12V

CAP ZM 685.96



USED ON:
Nissan: 720 Pick-up (Diesel), Capstar 2.5 D (05.82→02.86), Cedric 2.0, 2.2 D (08.80→), Gloria 2.0, 2.2 D (08.80→), Homer 2.2 D (09.81→), King Cap 2.3 D, 2.5 D (01.83→00.86), Urvan 2.2 D (09.81→03.82), Urvan 2.3 D (04.82→08.87).

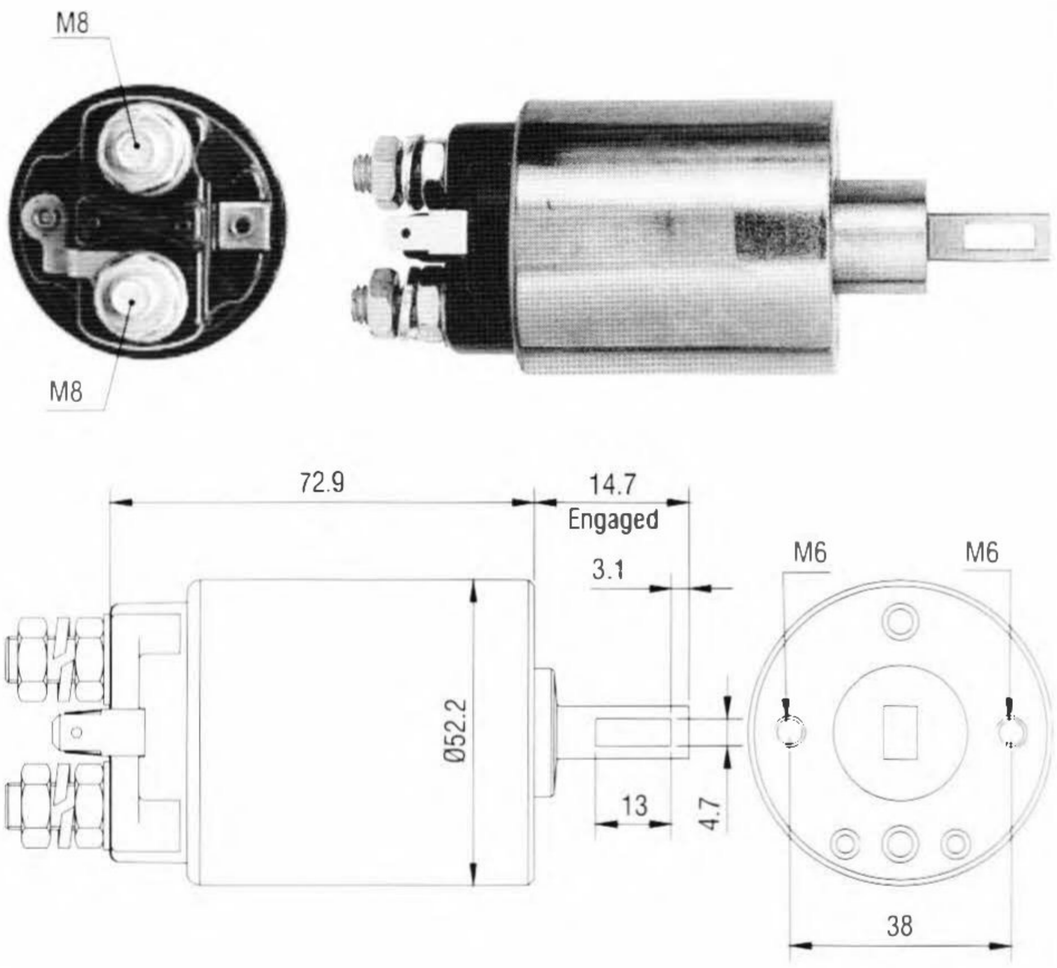
STARTERS:
Hitachi: S12-63, S12-63A, S12-63B, S12-63C, S12-68A, S12-68B.

OEM SOLENOID:

Hitachi:	Nissan:
2120-57002	23343-37506
	23343-G7002

ZM 584 12V

CAP ZM 584.96



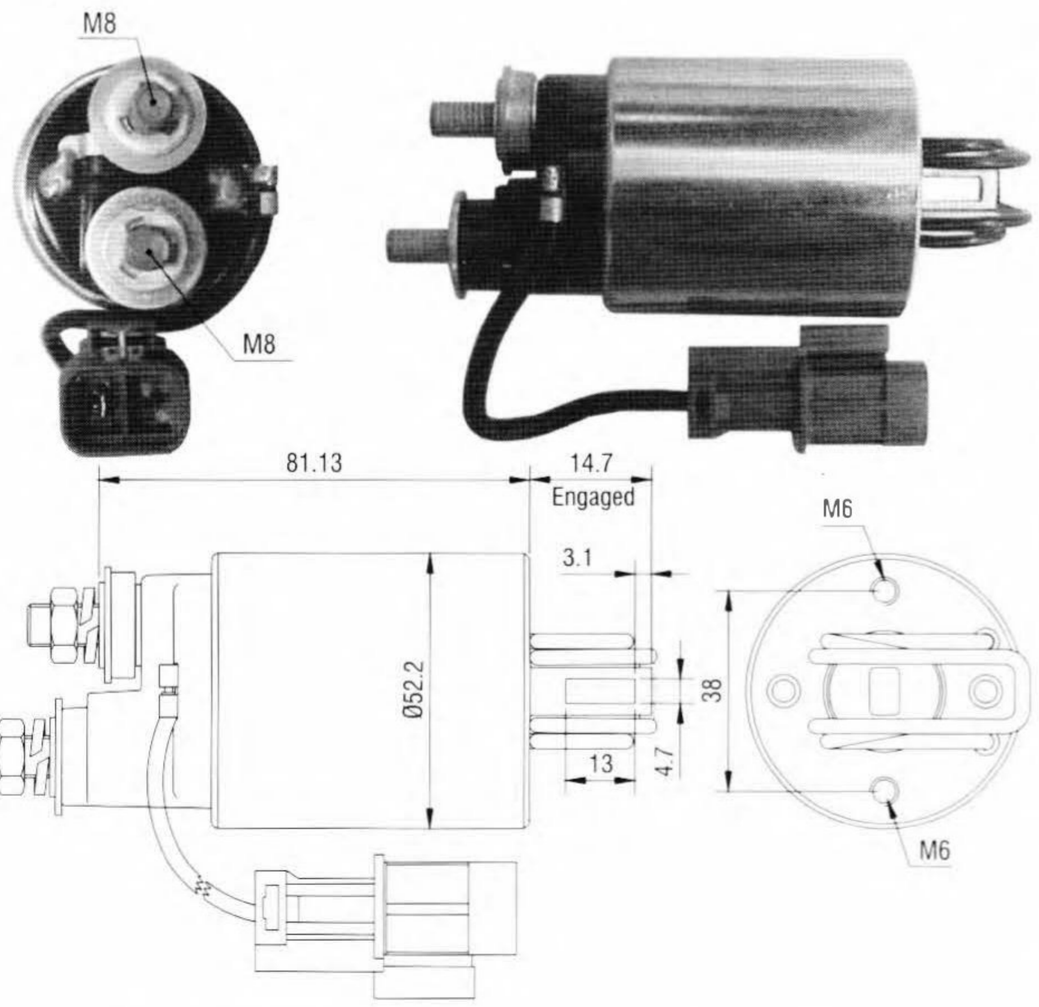
USED ON:
Honda: Accord1600 (05.76→10.78), Ballade 1300 (08.80→), Civic 1200 (07.72→08.79), Civic 1300 (06.78→00.83), Civic 1500 (07.69→08.79), Quint ch. 1031323-1100000 (02.80→), TN Acty (00.77→00.84). John Deere, Kawasaki.

STARTERS:
Hitachi: S108-63, S108-76, S108-76A.

OEM SOLENOID:
Kawasaki:
316612-8320-A

ZM 585 12V

CAP ZM 585.96



USED ON:
Nissan.

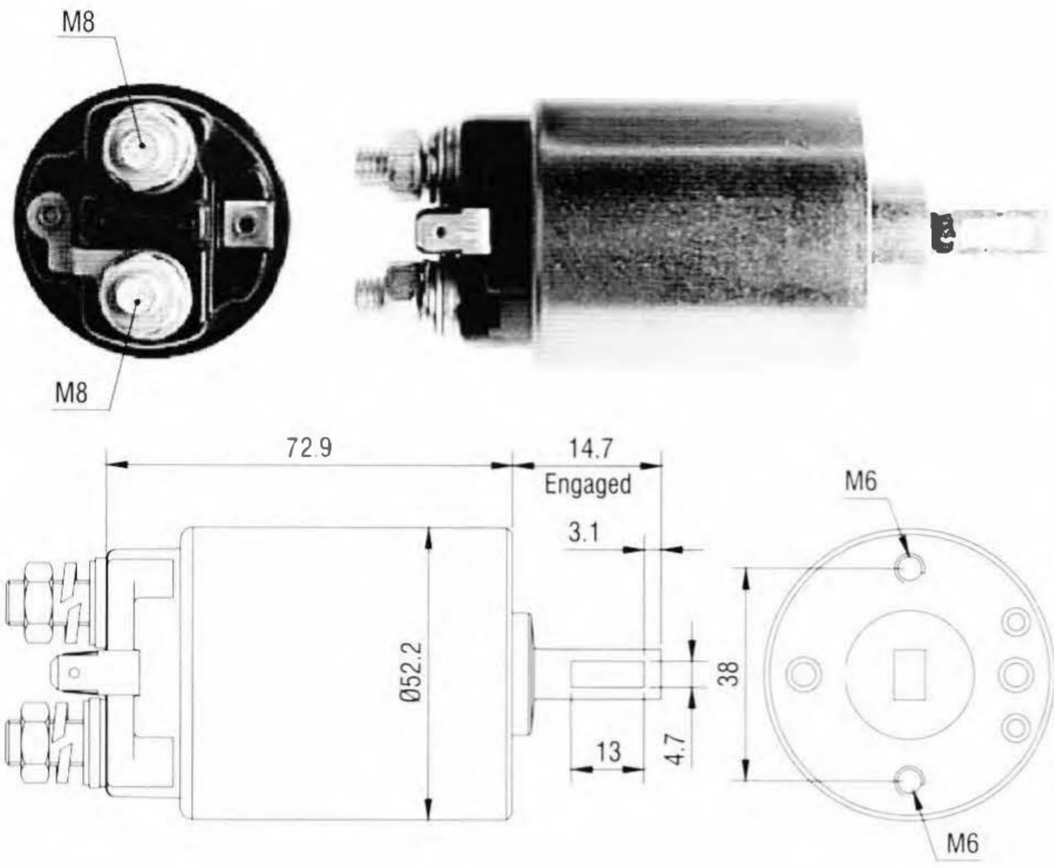
STARTERS:
Hitachi: S114-430A, S114-430B, S114-439, S114-439A.

OEM SOLENOID:
Hitachi:
2114-57506
Nissan:
23343-16E01

HITACHI

ZM 680 12V

CAP ZM 680.96



Note: Similar to ZM 581 except plunger spring.
Nota: Similar ao ZM 581 sem a mola do êmbolo.

USED ON:
Nissan: Bluebird 160 B, 180 B, 1400, 1600, 1.6, 1.8, King Cap 1.8, 2.0, 2.2, Laurel 2000 4 Cyl., 2.4i, Maxima 2.0, Patrol 2.8, Silvia 180 SX, 2.0 16V, Skyline 1600, 1800, Sunny 1600, Sunny Excellent, Violet 140j, 1.6, 140y, Nissan 1600, 1800, 2000, 2200, 2400 Pick-up. **TCM:** FHG 35, 40.

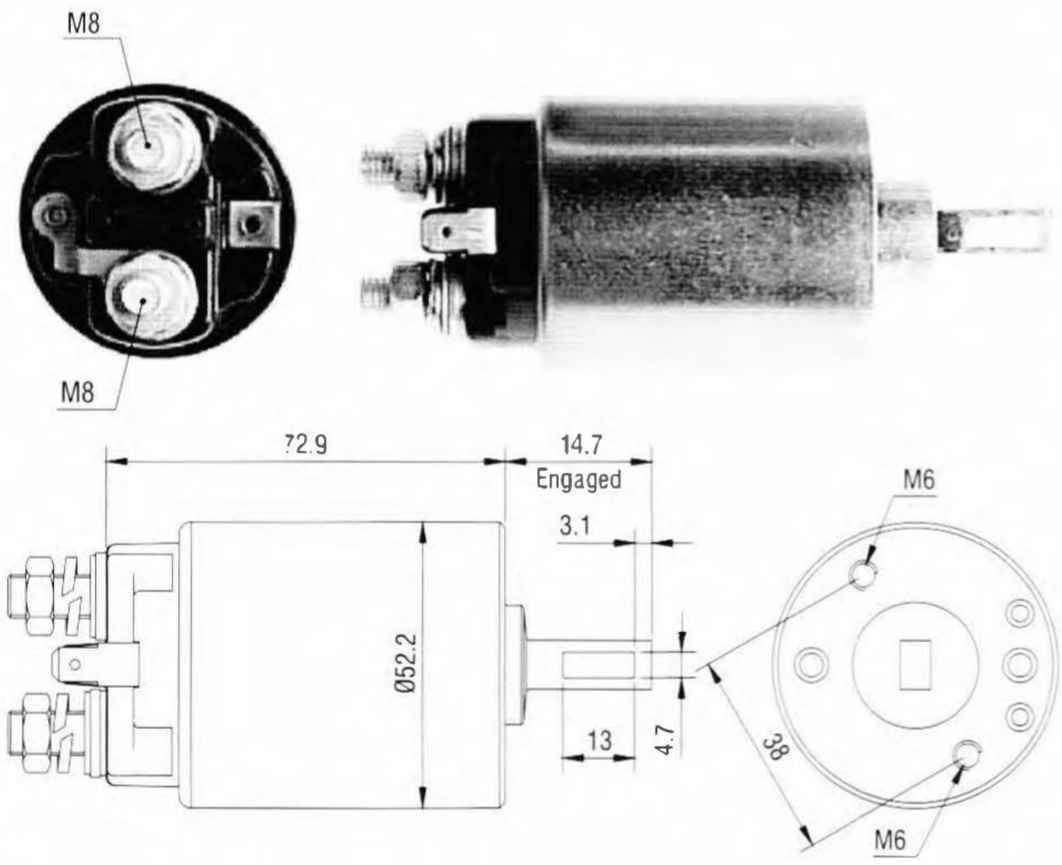
STARTERS:
Hitachi: S108-85, S108-86, S108-91, S114-170B, S114-180, S114-254A.

OEM SOLENOID:

Hitachi:	**Nissan:**
2114-57001	23343-N3300
Honda:	23343-N3301
31204-634-005	

ZM 681 12V

CAP ZM 680.96



Note: Similar to ZM 582 except plunger spring.
Nota: Similar ao ZM 582 sem a mola do êmbolo.

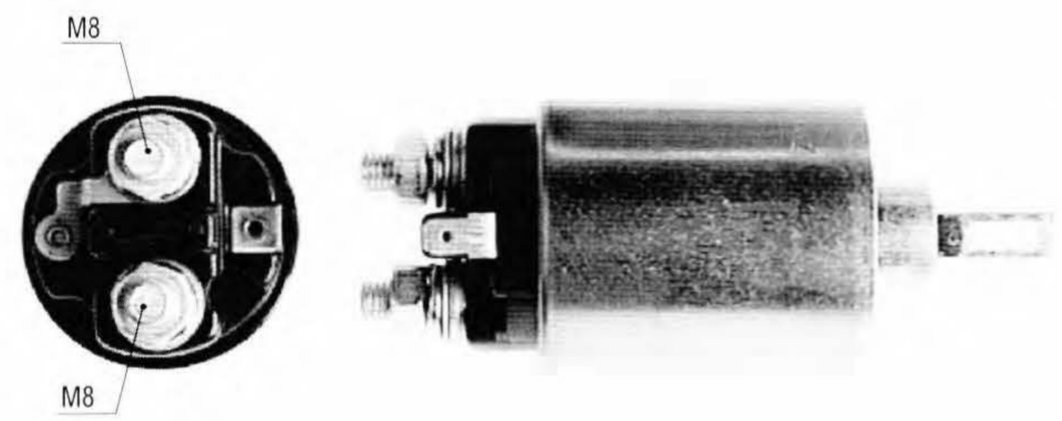
USED ON:
Nissan Laurel 2800 D, Nissan B210, F10, 310, 210, Maxima, 720 Pick-up and D21 Pick-up.

STARTERS:
Hitachi: S13-47, S13-50, S13-64, S13-69.

OEM SOLENOID:
Hitachi:
2114-77004
Nissan:
23343-H5000

ZM 682 12V

CAP ZM 682.96



USED ON:
Nissan: Axxess, Bluebird 1.6, 2.0, 2.0i LX, 2.0i GL, Capstar 1.6, King Cap 2.4, King Van 2.0, King Vanette 2.0, Laurel 2.0, 2.4i, Lyberta 2.0, Maxima 2.0, Patrol 2.8, Praire 2.0 2WD, Pulsar, Sentra, Skyline 1800, 2000, Silvia 2.0, 2.0 16V, Stanza 1.8, Urvan 2.0, 200 SX, 300 ZX, 1600 Pick-up, 2000 Pick-up 4WD, 2.400 Pick-up.

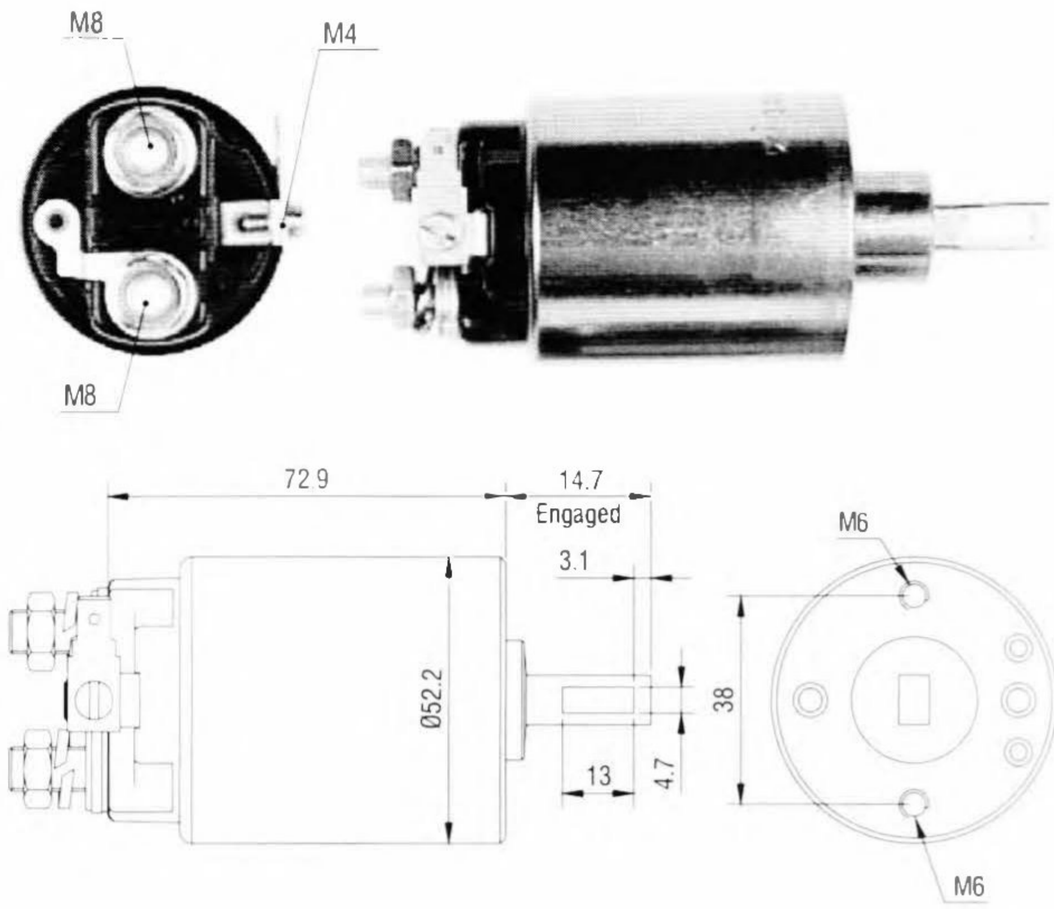
STARTERS:
Hitachi: S13-56, S13-56A, S114-252, A, C, E, F, S114-253, A, B, S114-254B, C, D, S114-255, A, S114-258A, C, S114-264, A, S114-322A, S114-344, S114-347B, S114-393, S114-403B, S114-440, S114-441, A, B.

OEM SOLENOID:
Hitachi:

2114-17005	2114-47005
2114-17505	**Nissan:**
2114-37602	23343-04E00

ZM 683 12V

CAP ZM 683.96



USED ON:
Honda Civic, Opel 1.8 Liter (Isuzu), Isuzu Pick-up, Imark, Impulse, Trooper, Chevrolet Luv Pick-up, Chevrolet GMC Truck.

STARTERS:
Hitachi: S114-184, S114-202, S114-202A, S114-247A, S114-247C, S114-271, S114-433.

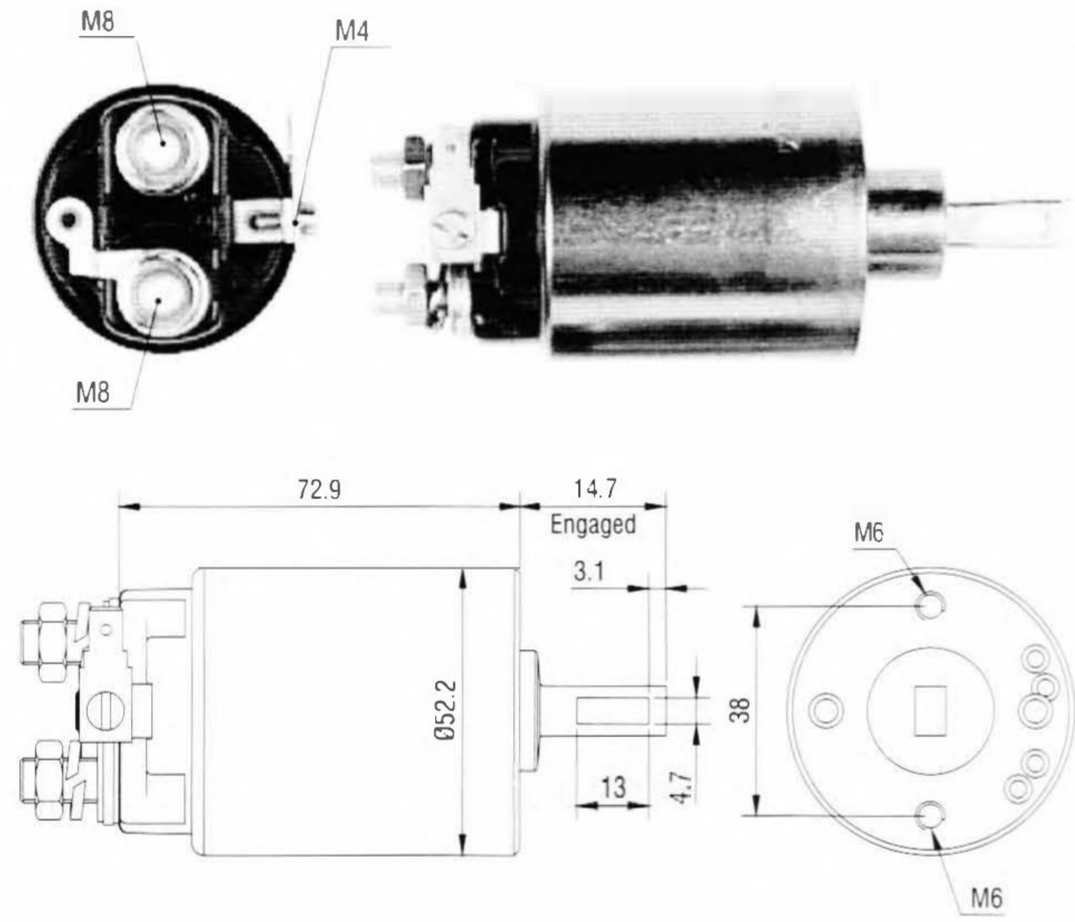
OEM SOLENOID:

Hitachi:	Nissan:
2114-17006	23343-C0600

Honda:
31204-634-671

ZM 684 12V

CAP ZM 684.96



USED ON:
Honda, Isuzu, Komatsu, Nissan Forklift, Opel, Teledyne Continental, Chevrolet Luv Pick-up, Blazer, GMC Pick-up, Jimmy, Infiniti M30.

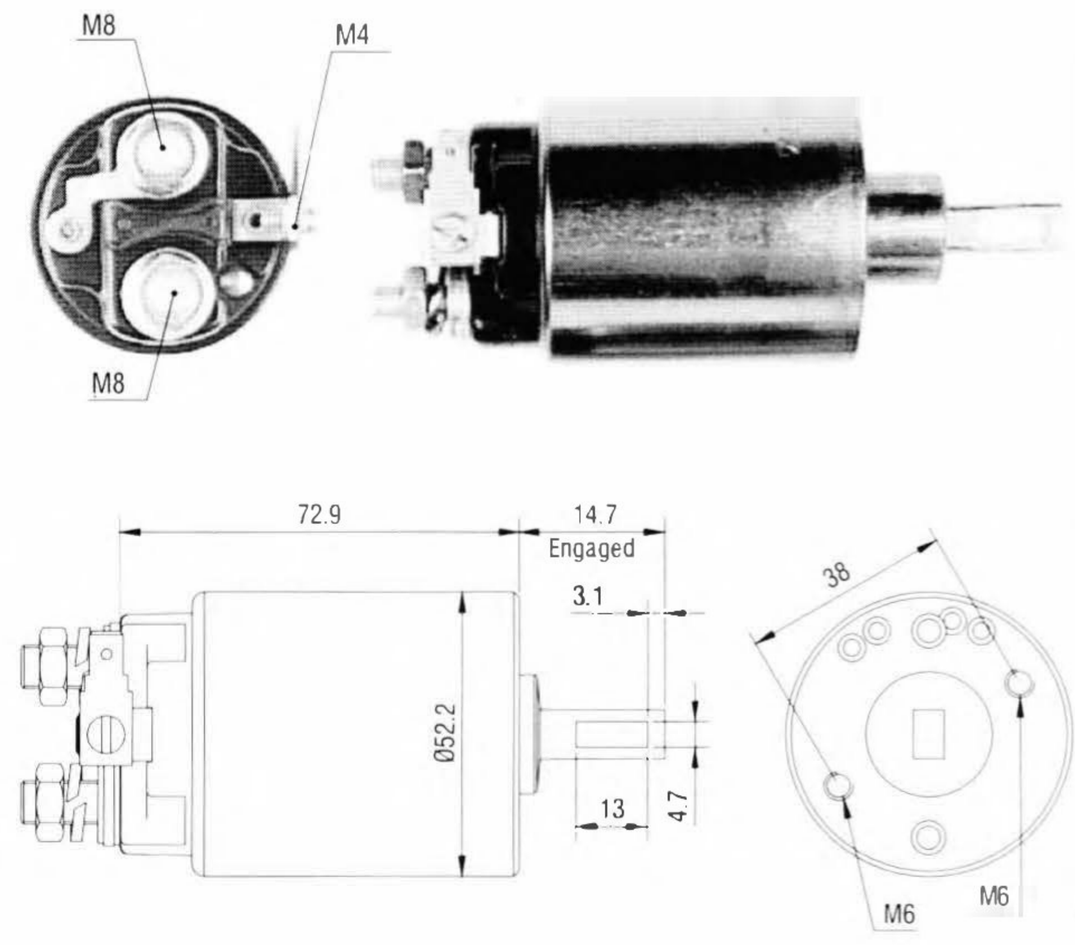
STARTERS:
Hitachi: S114-184, S114-202, S114-202A, S114-247A, S114-247C, S114-271, S114-433.

OEM SOLENOID:

Hitachi:	Honda:	Nissan:
2114-17006	31204-634-670	23343-C0600
2114-27001	31204-634-671	

ZM 685 12V

CAP ZM 685.96



USED ON:
Chevrolet Chevette (Diesel), Isuzu, Isuzu Imark, Pontiac T1000 (Diesel).

STARTERS:
Hitachi: S13-56, S13-56A, S13-62, A, B, C, S13-89A, B, S114-252, A, C, E, F, S114-253, A, B, S114-254B, C, D, S114-255, A, S114-258A, C, S114-264, A, S114-303, S114-322A, S114-344, S114-347B, S114-393, S114-403B, S114-440, S114-441, A, B.

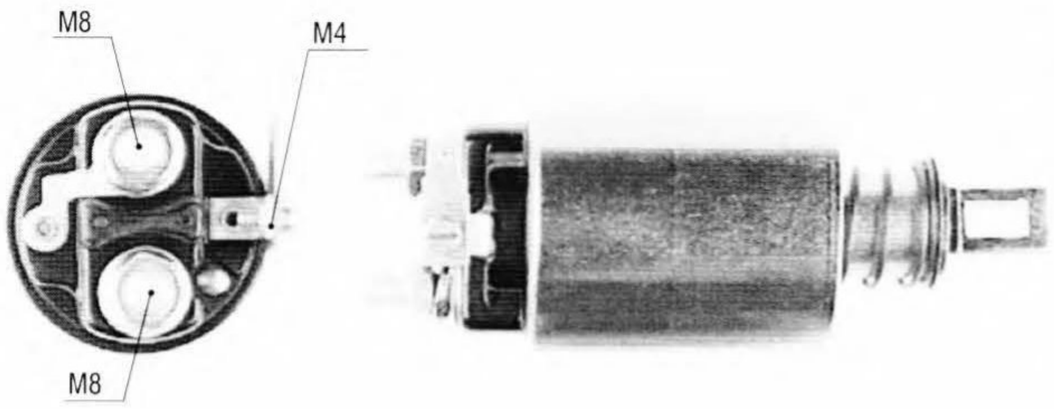
OEM SOLENOID:

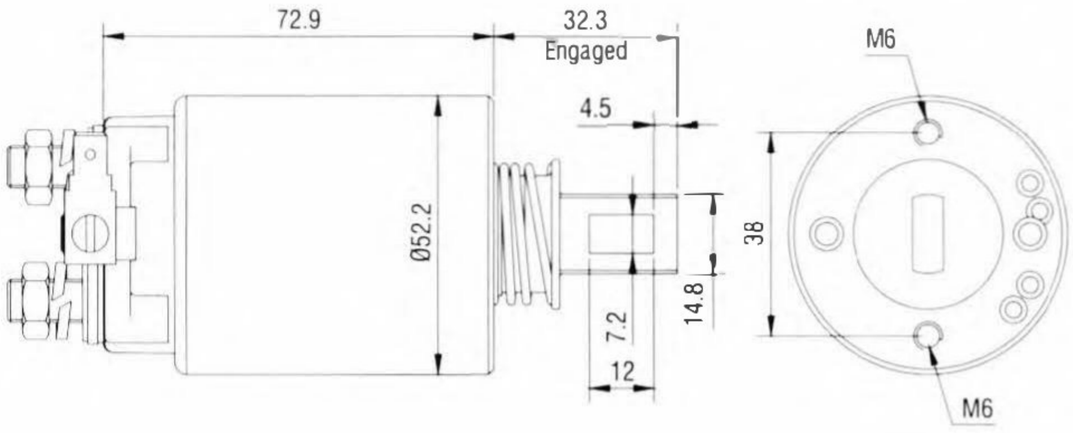
Hitachi:	Nissan:
2114-37504	23343-H9100
2114-47009	

HITACHI

ZM 686 12V

CAP ZM 685.96





USED ON:
Chevrolet Luv Pick-up and Pick-up (Diesel), GMC Pick-up (Diesel), Nissan 720 Pick-up (Diesel), Isuzu Pick-up and Trooper (Diesel).

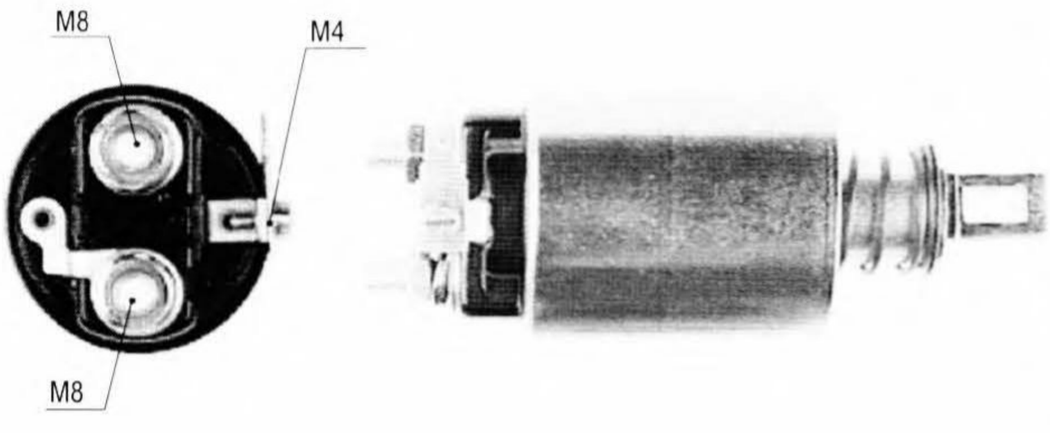
STARTERS:
Hitachi: S12-06, S12-28, S12-46, S12-46A, S12-52, S12-58, S12-61, S12-79, S13-14, S13-24A, S13-28, S13-31, S13-34A, S13-36, S13-40, S13-40A, S13-41A, S13-43, S13-45, S13-45A, S13-45B, S13-46, S13-46A, S13-78.

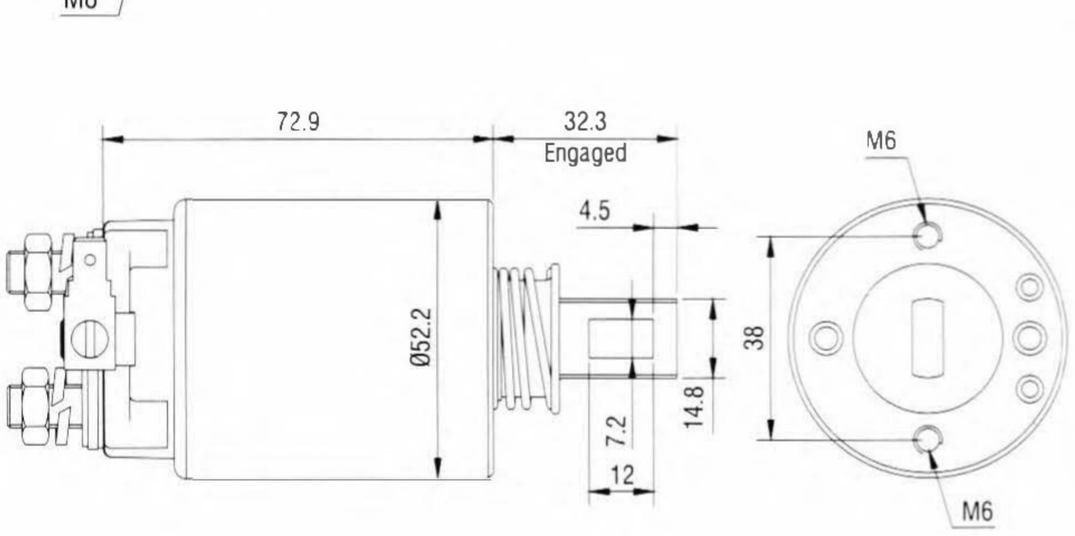
OEM SOLENOID:

Hitachi:	Nissan:	Isuzu:
2130-6700	23343-61504	5-81151-029-0
2130-17002	23343-G7001	8-11530-018-0
2130-27001	23343-T3470	

ZM 687 12V

CAP ZM 684.96





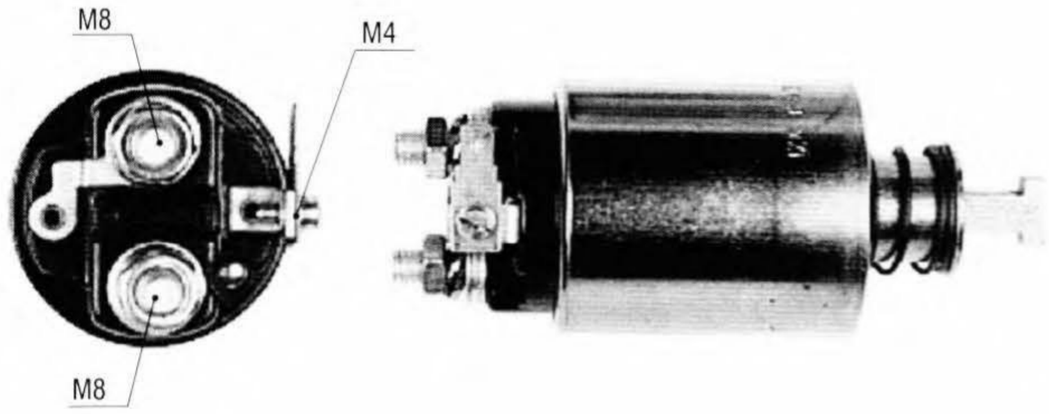
USED ON:
Chevy Luv, Honda, Isuzu, Komatsu, Nissan.

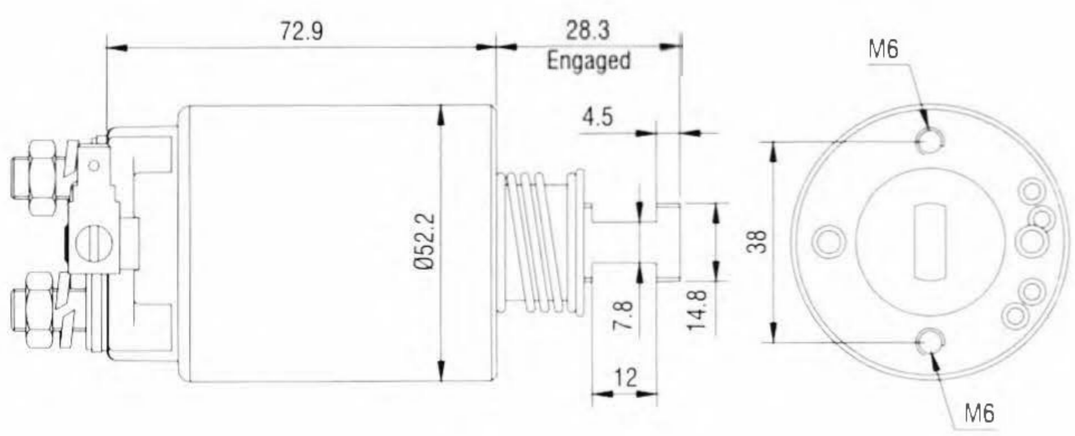
STARTERS:

OEM SOLENOID:
Isuzu:
8-94216-633-0

ZM 688 12V

CAP ZM 685.96



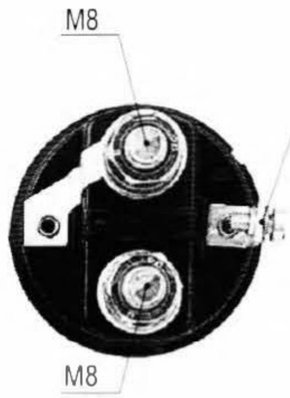


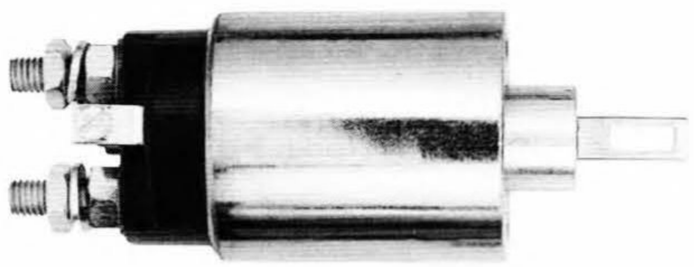
USED ON:
Nissan: 720 Pick-up (Diesel), Capstar 2.5 D (05.82→02.86), Cedric 2.0, 2.2 D (08.80→), Gloria 2.0, 2.2 D (08.80→), Homer 2.2 D (09.81→), King Cap 2.3 D, 2.5 D (01.83→00.86), Urvan 2.2 D (09.81→03.82), Urvan 2.3 D (04.82→08.87).

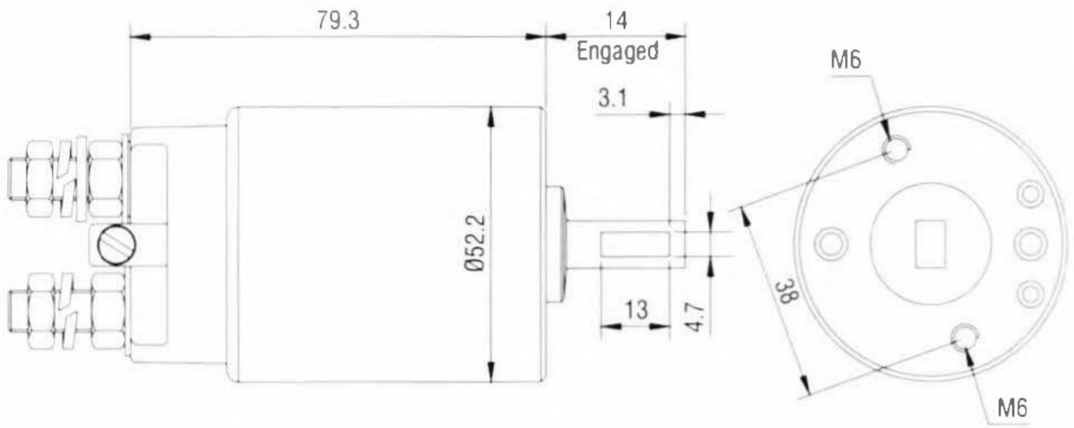
STARTERS:
Hitachi: S12-63, S12-63A, S12-63B, S12-63C, S12-68A, S12-68B.

OEM SOLENOID:
Hitachi:
2120-27002

ZM 689 12V





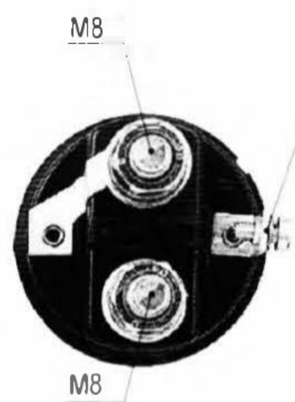


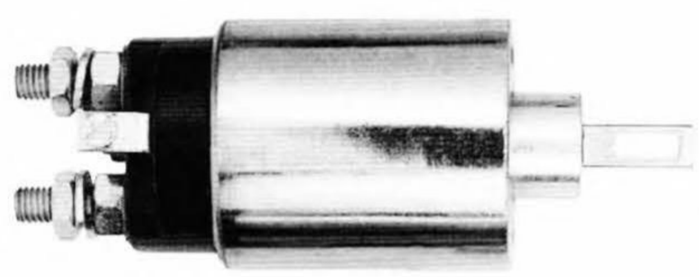
USED ON:
Yanmar.

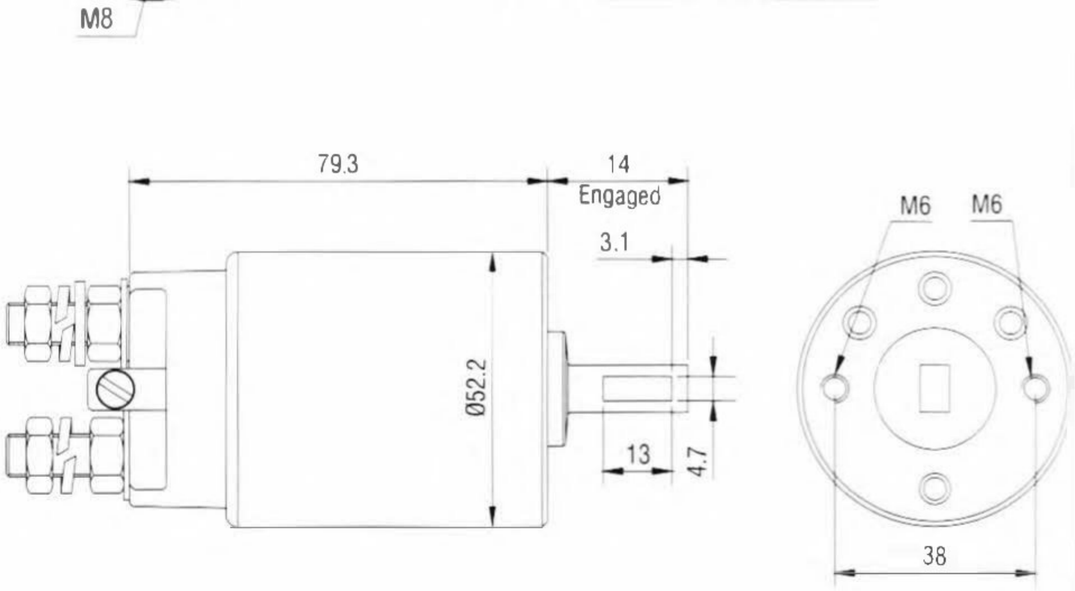
STARTERS:
Hitachi: S13-94, S13-94A, S13-120A.

OEM SOLENOID:
Hitachi:
2130-47005

ZM 1-689 24V







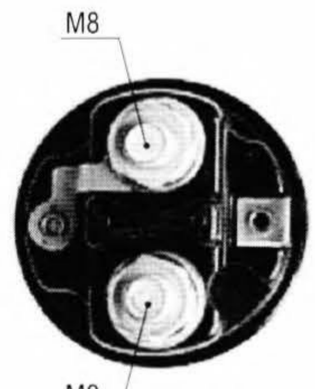
USED ON:
Hitachi Starters.

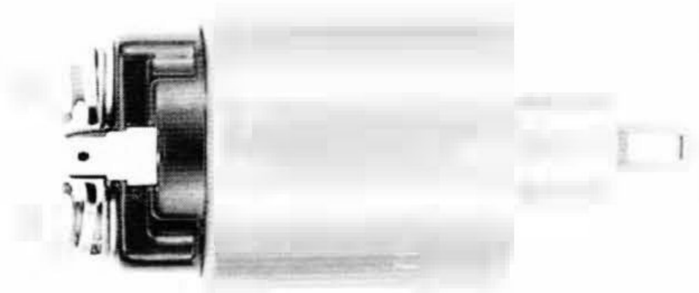
STARTERS:

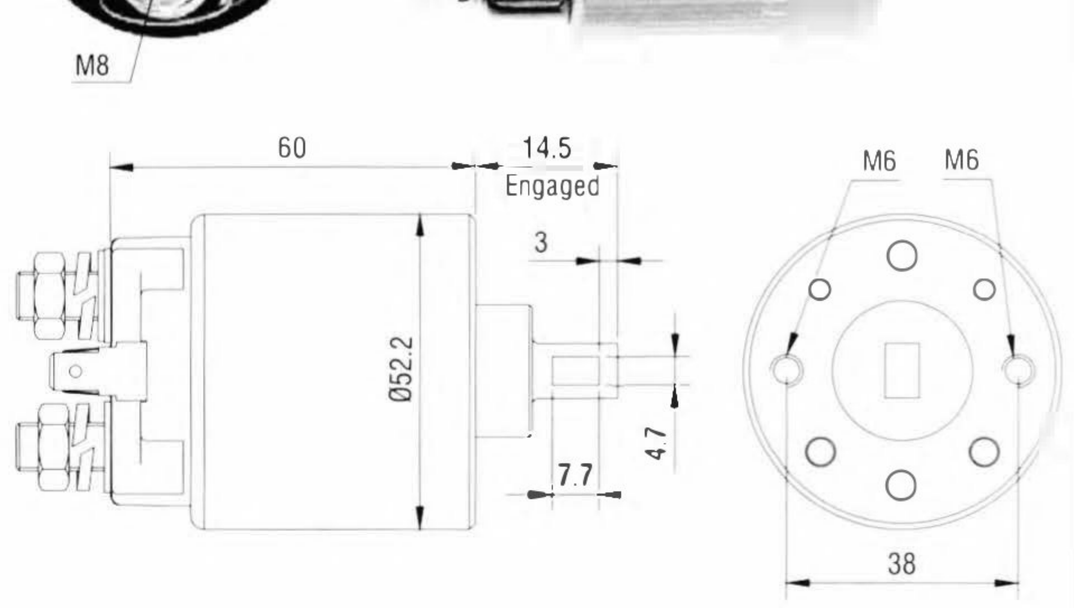
OEM SOLENOID:

ZM 710 12V

CAP ZM 710.96







USED ON:
Nissan: Cherry 100 A, 120 A, 1.0, 1.3, 1.5, Laurel 2.0, Micra 1.0, 1.0i 16V, 1.2, 1.3, Pulsar 1.0, 1.3, 1.5, Prairie 1.3, 1.5, 1.8, Silvia 2.0, Stanza 1.6, 1.8, Sunny, Sunny 1.0, 1.3, 1.4, 1.5, 1.6, 1.6 2WD, 1.6 4WD.
Subaru: Justy 1000, 1000 4WD, 1200, 1200 4WD, Mini Jumbo.

STARTERS:
Hitachi: S114-315, S114-316, S114-317, S114-317A, S114-317B, S114-318, S114-318A, S114-319, S114-320, S114-320A, S114-345, S114-345A, S114-364, S114-377, S114-378, S114-413A, S114-414A, S114-424, S114-550, S114-550A.

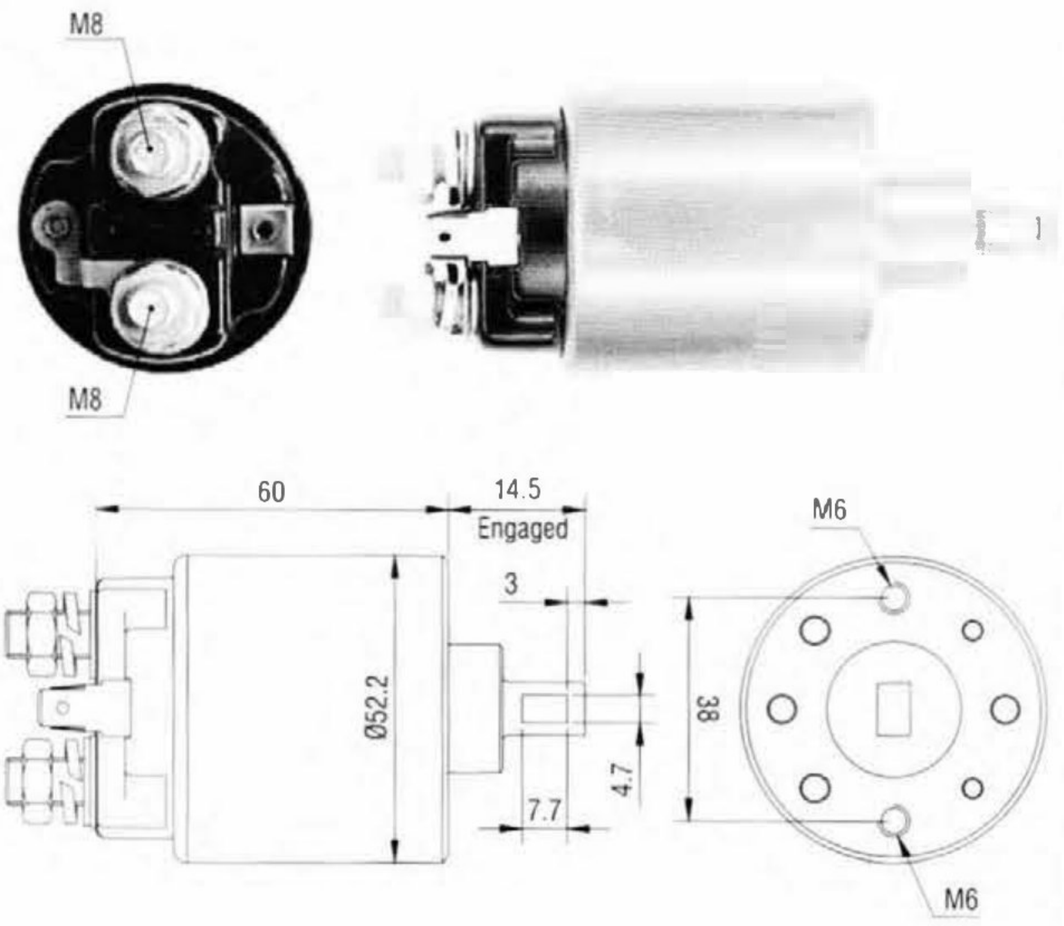
OEM SOLENOID:

Hitachi:	Nissan:
2114-27501	23343-M8000
2114-37503	23343-M8001
2114-67505	23343-M8003

HITACHI

ZM 711 12V

CAP ZM 711.96



USED ON:
Nissan: 200L, 240L, 240Z, 260Z, 720, D21 Pick-up, Capstar 1.6, 2.0, Cedric 200C, 240C, 240K, 240K GT, 240Z, 260C, 260Z, King Van 2.0, King Vanette 2.0, Laurel 200L, 2000 6 cyl., 2.4, 3.0, 3.0i, Skyline, Urvan 2.0. **Subaru:** Justy 1000, 1000 4WD, 1200, 1200 4WD, 1.2, Libero 1.0, 1.2, 1.2 4WD, 1000 4WD, Mini Jumbo. Honda Civic, CRX.

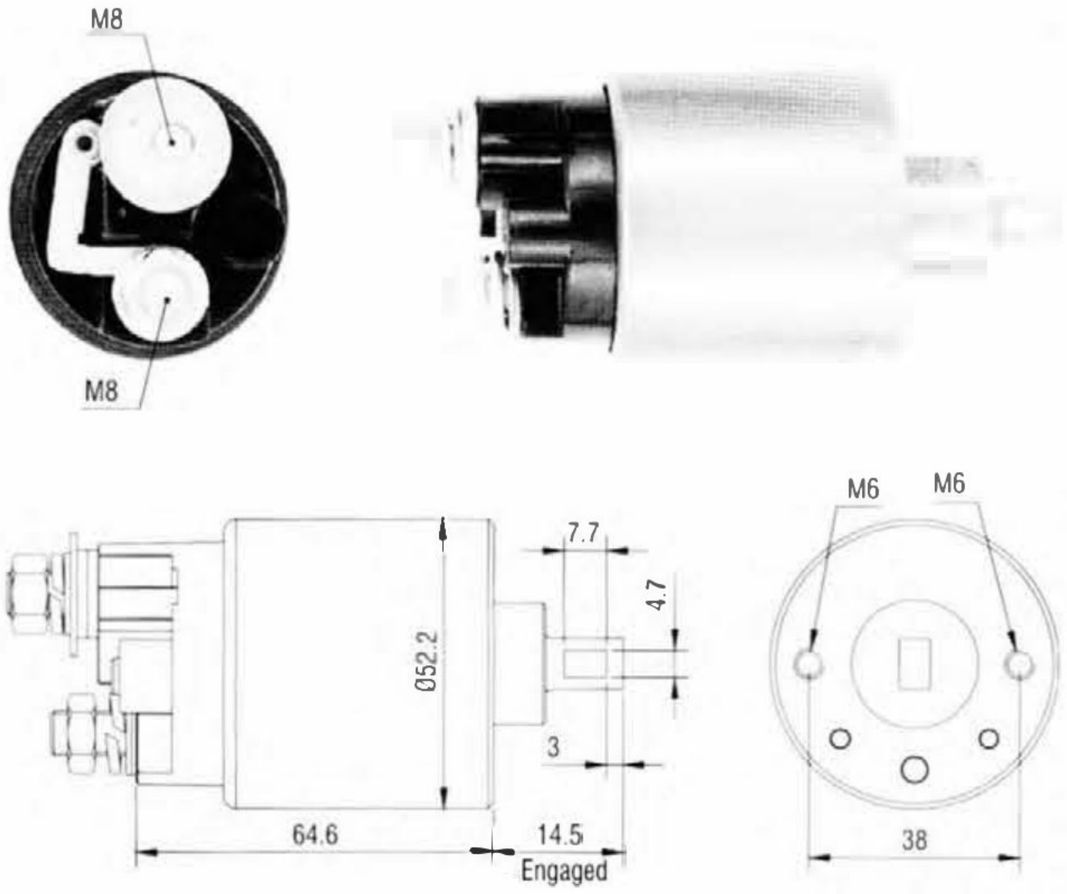
STARTERS:
Hitachi: S114-348, S114-362, S114-398, S114-418, S114-419, S114-419A, S114-426, S114-456, S114-556A.

OEM SOLENOID:

Hitachi:	**Nissan:**
2114-27502	23343-W0400
2114-27504	**Honda:**
2114-77505	31204-PD4-005

ZM 712 12V

CAP ZM 712.96



USED ON:
Honda: Ballade 1.5, Civic 1.5 CRX, Integra 1.5, 1.6.
Rover Group: Rover 213.

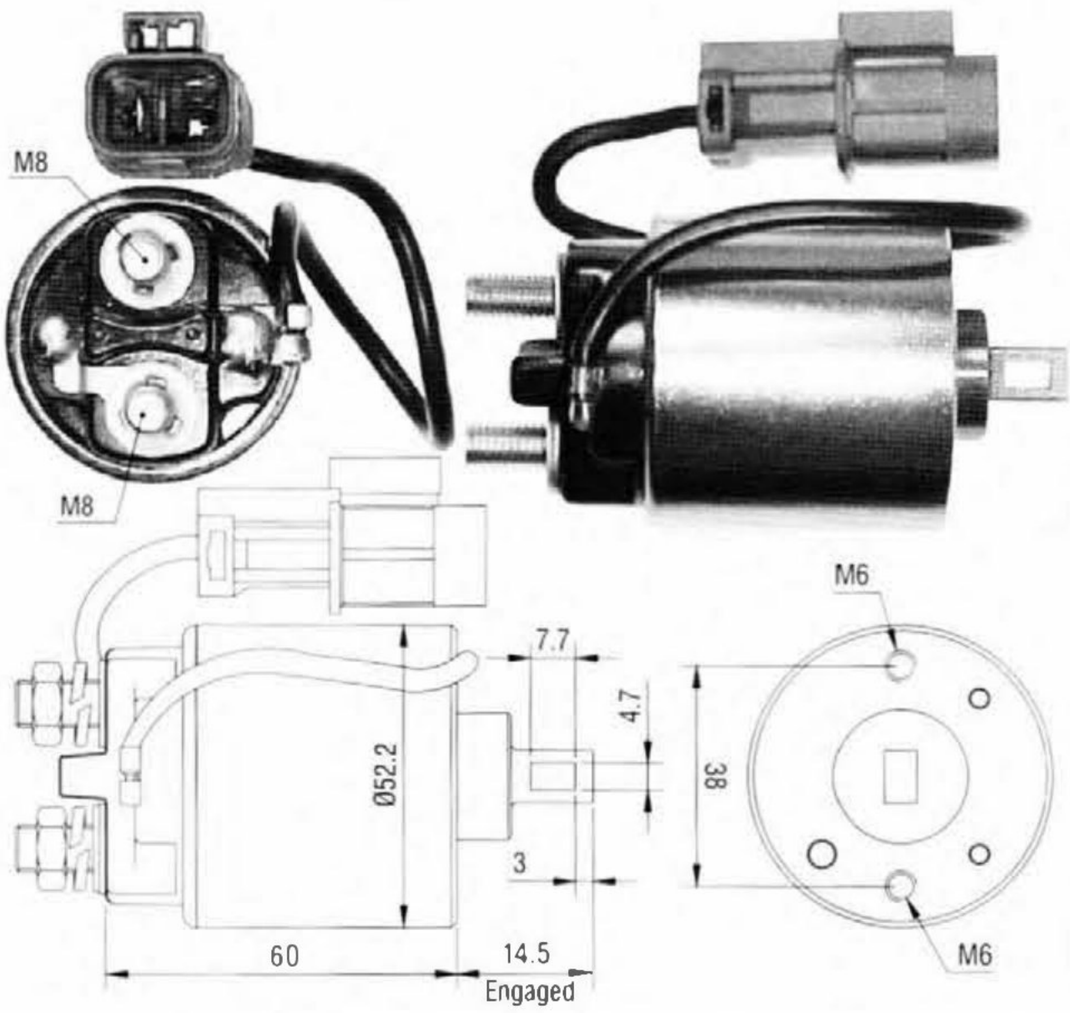
STARTERS:
Hitachi: S114-388D, S114-396, S114-396D, S114-406, S114-411, S114-412, S114-610, S114-614, S114-618, S114-618A, S114-619.

OEM SOLENOID:
Hitachi:

2114-37606	2114-87503
2114-47503	
2114-47505	

ZM 713 12V

CAP ZM 713.96

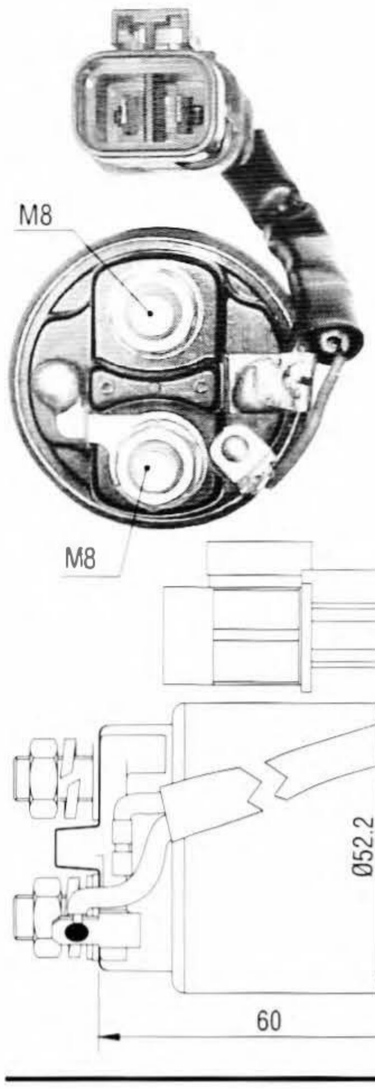


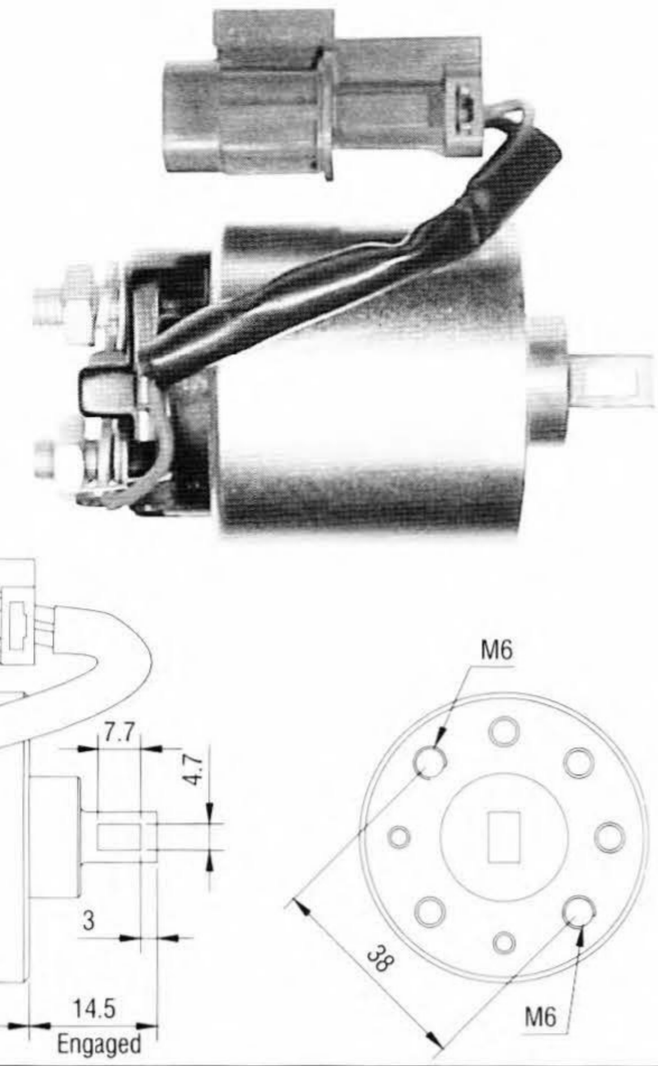
USED ON:
Nissan Van and D21 Pick-up.

STARTERS:
Hitachi: S114-306, S114-527, S114-527A, S114-527B, S114-605, S114-607, S114-607C.

OEM SOLENOID:

Hitachi:	**Nissan:**
2114-87508	23343-17C00
	23343-G8400





ZM 1-713 12V

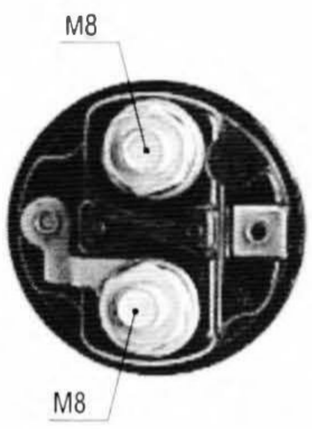
CAP ZM 1-713.96

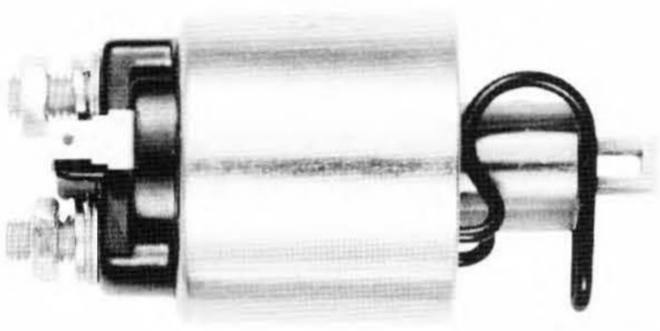
USED ON:
Nissan: Terrano 3.0 V6, Datsun.

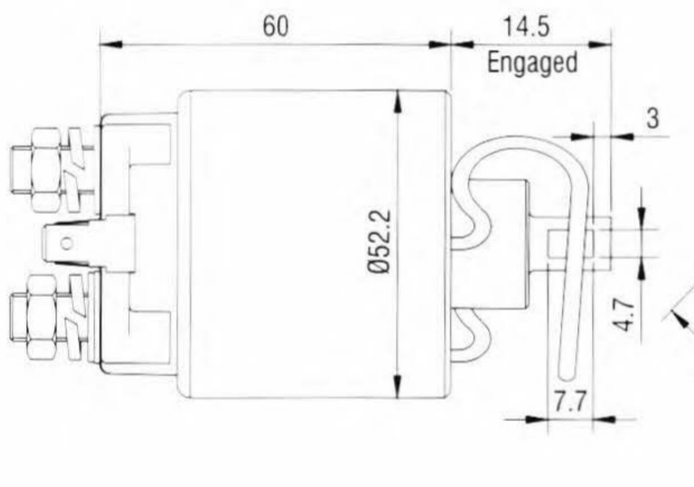
STARTERS:
Hitachi: S114-503A, S114-516, S114-516A.

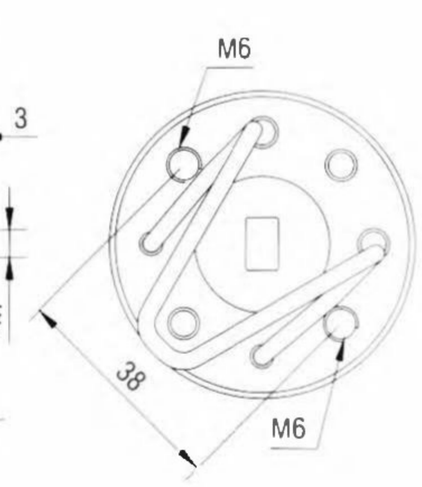
OEM SOLENOID:

Hitachi:	Nissan:
2114-77601	23343-12G02
	23343-12G03









ZM 717 12V

CAP ZM 717.96

USED ON:
Isuzu Trooper 3.2L (01.92→00.2000), Acura SLX (01.92→00.2000).

STARTERS:
Hitachi: S114-753, S114-753C.

OEM SOLENOID:

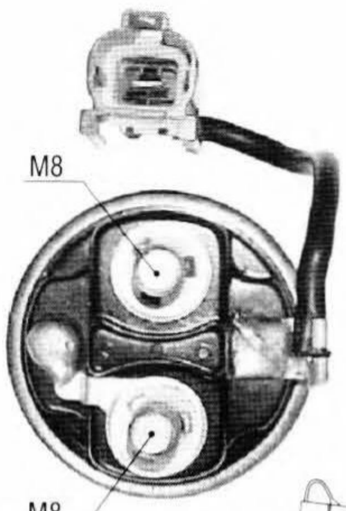
ZM 1-717 12V

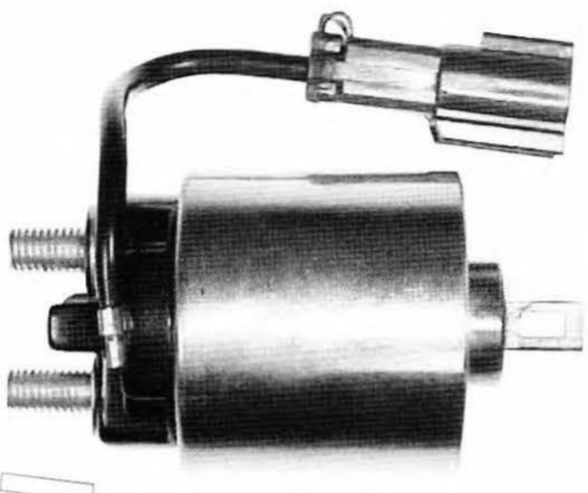
CAP ZM 1-717.96

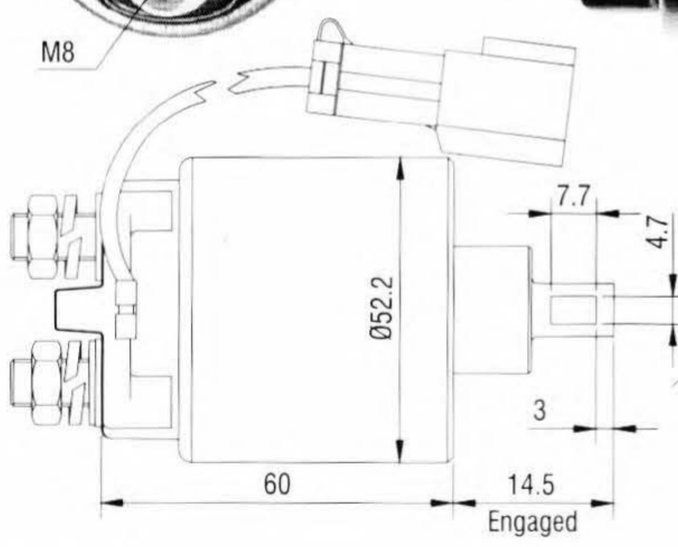
USED ON:
Nissan: Pathfinder 3.0, Terrano 3.0 V6.

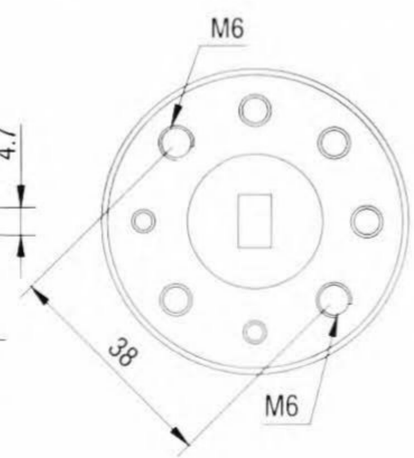
STARTERS:
Hitachi: S114-528, S114-528A.

OEM SOLENOID:
Hitachi:
2114-57606





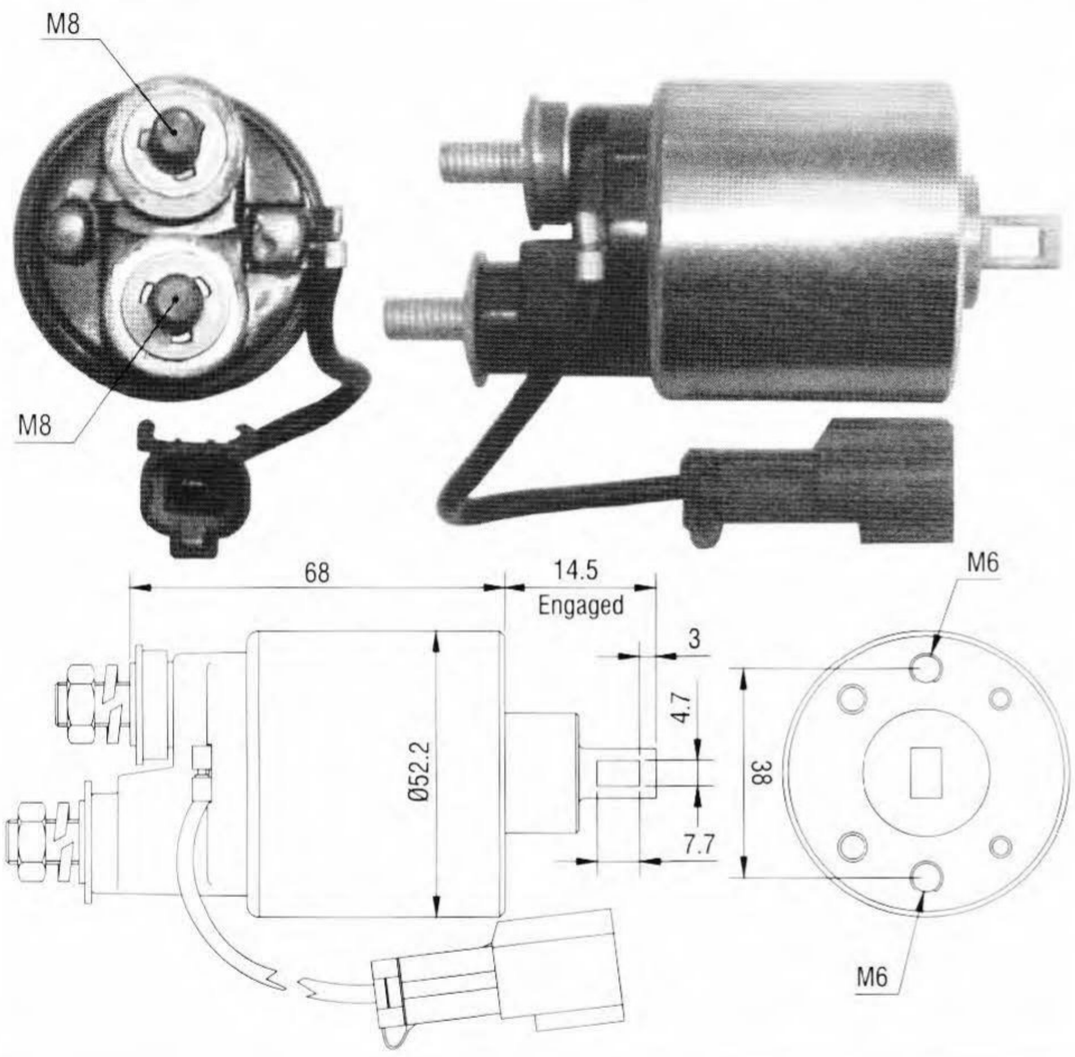




HITACHI

ZM 718 12V

CAP ZM 718.96



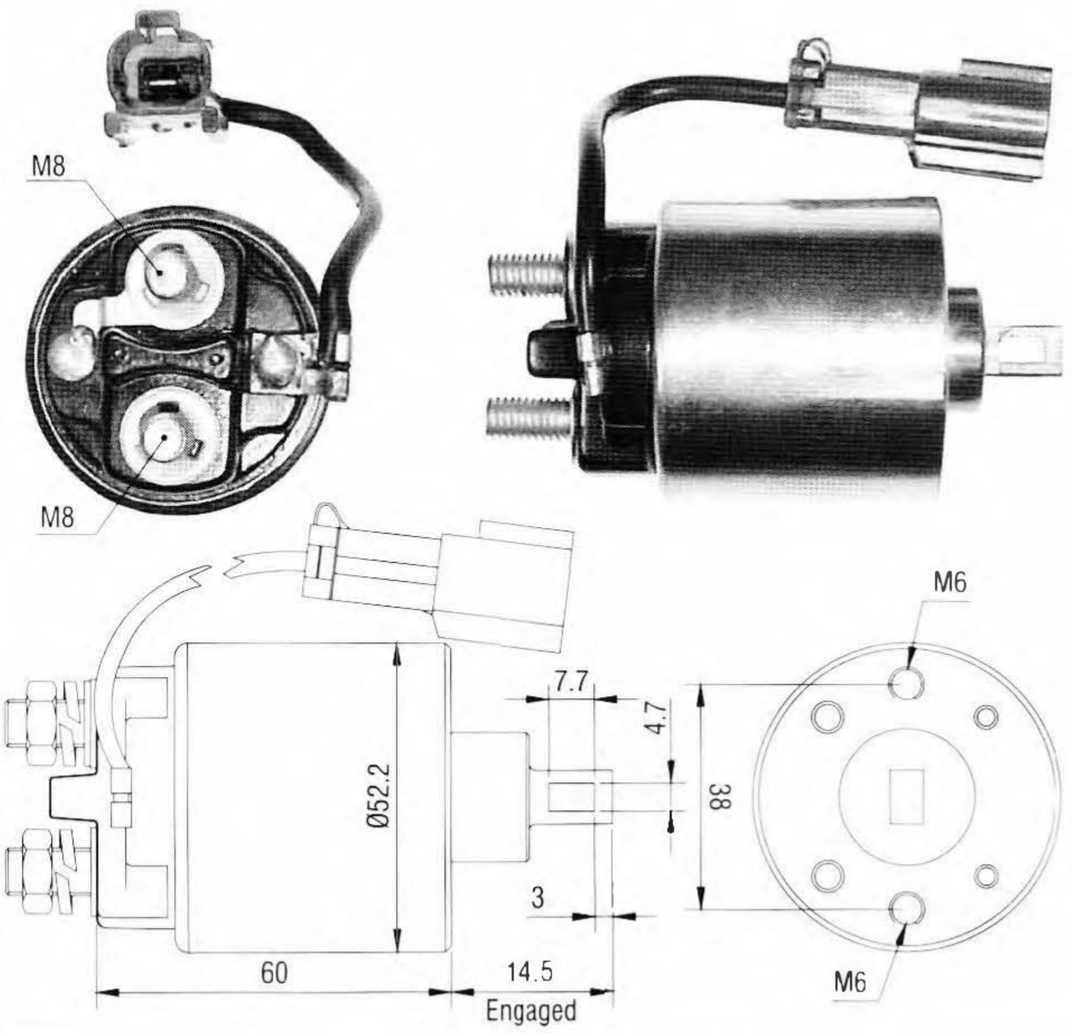
USED ON:
Nissan: Maxima 3.0i (10.88-→).

STARTERS:
Hitachi: S114-461, S114-461B.

OEM SOLENOID:

ZM 719 12V

CAP ZM 719.96



USED ON:
Nissan: Maxima 2.0, 3.0 (10.94→), Infiniti I30 (01.96-→00.99).

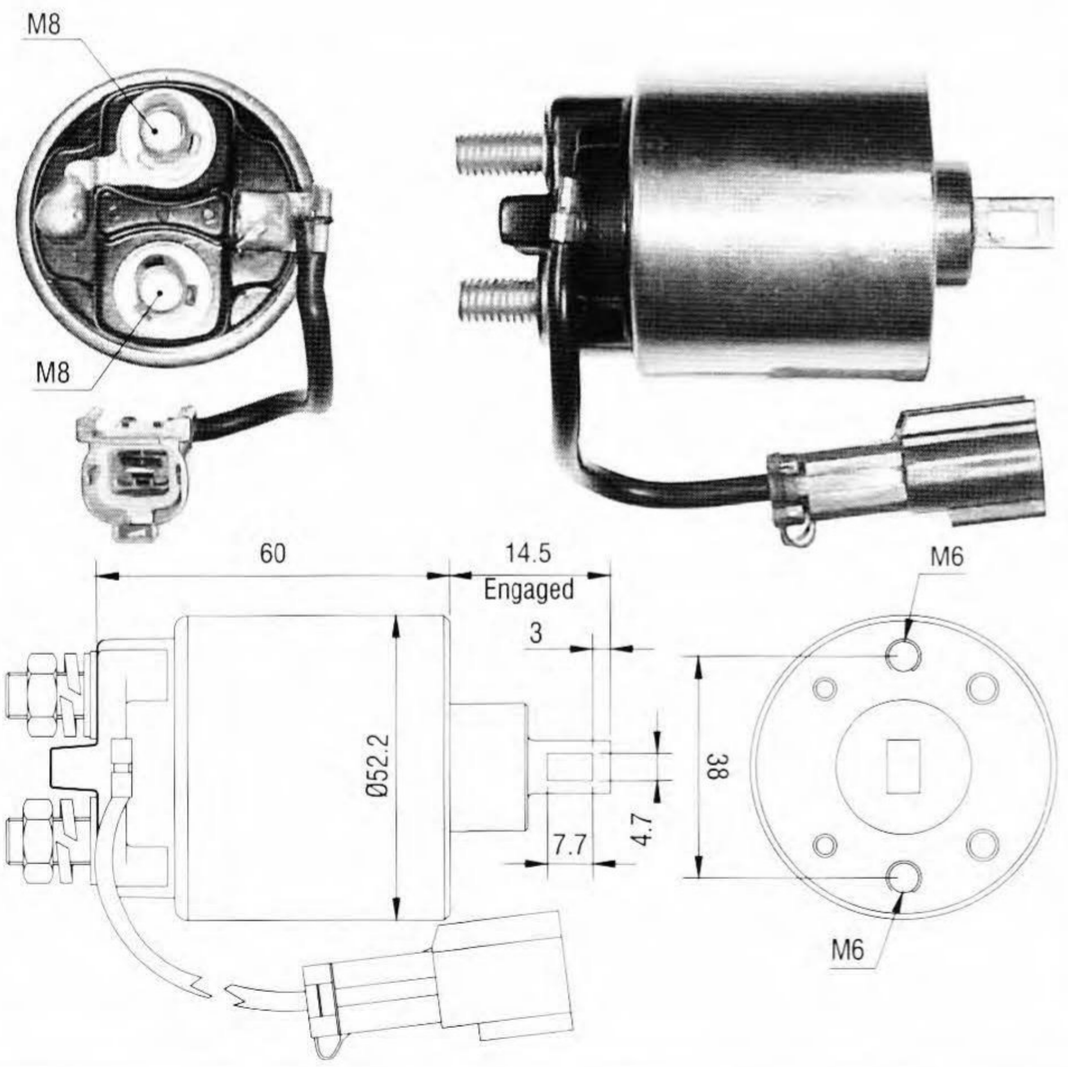
STARTERS:
Hitachi: S114-801A, S114-801B, S114-801C.

OEM SOLENOID:

Hitachi:	Nissan:
2114-47612	23343-31000
	23343-70Y00

ZM 1-719 12V

CAP ZM 1-719.96



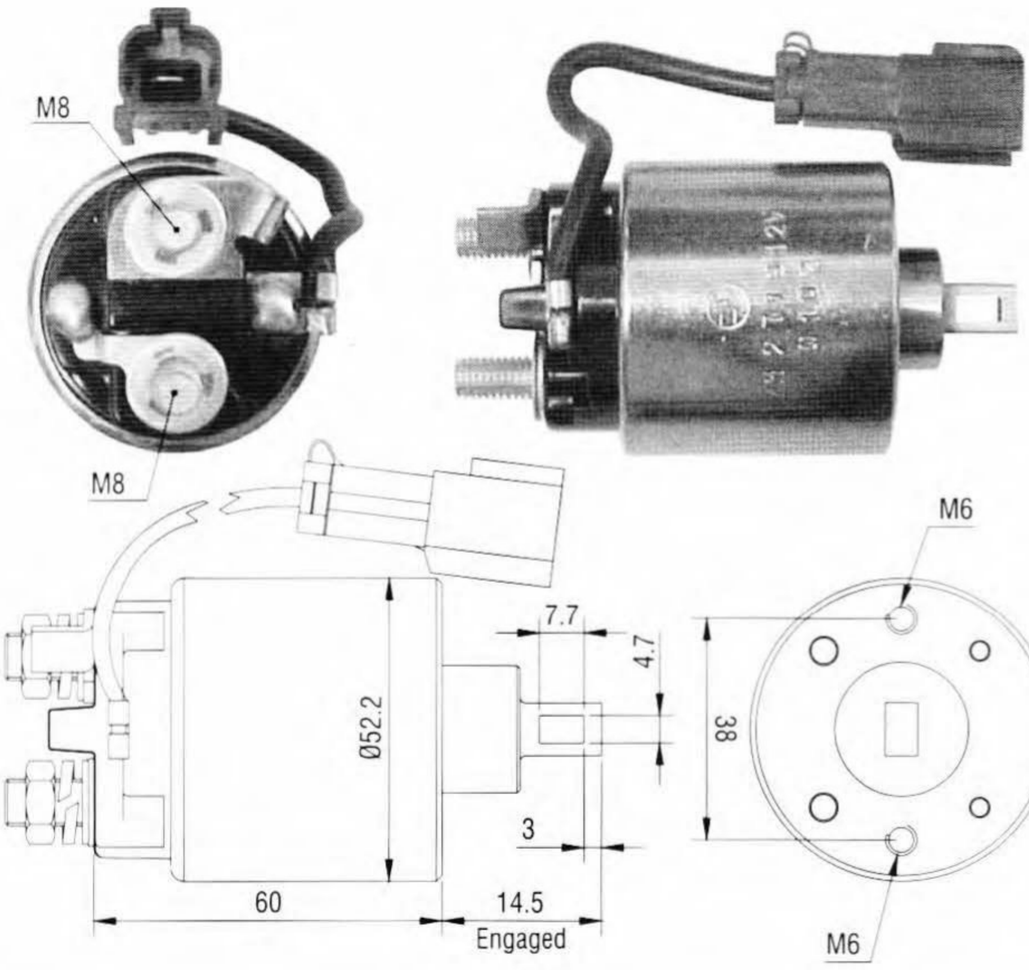
USED ON:
Nissan: Maxima 3.0i (10.88-→), Primera 1.6 (05.93→), Sunny 1.4i, 1.6i (11.90-→), 100 NX 1.6 (10.90→).

STARTERS:
Hitachi: S114-461A, S114-520B, S114-534, S114-767, S114-802A, S114-862A.

OEM SOLENOID:
Hitachi:
2114-87603
Nissan:
23343-84A07

ZM 2-719 12V

CAP ZM 2-719.96



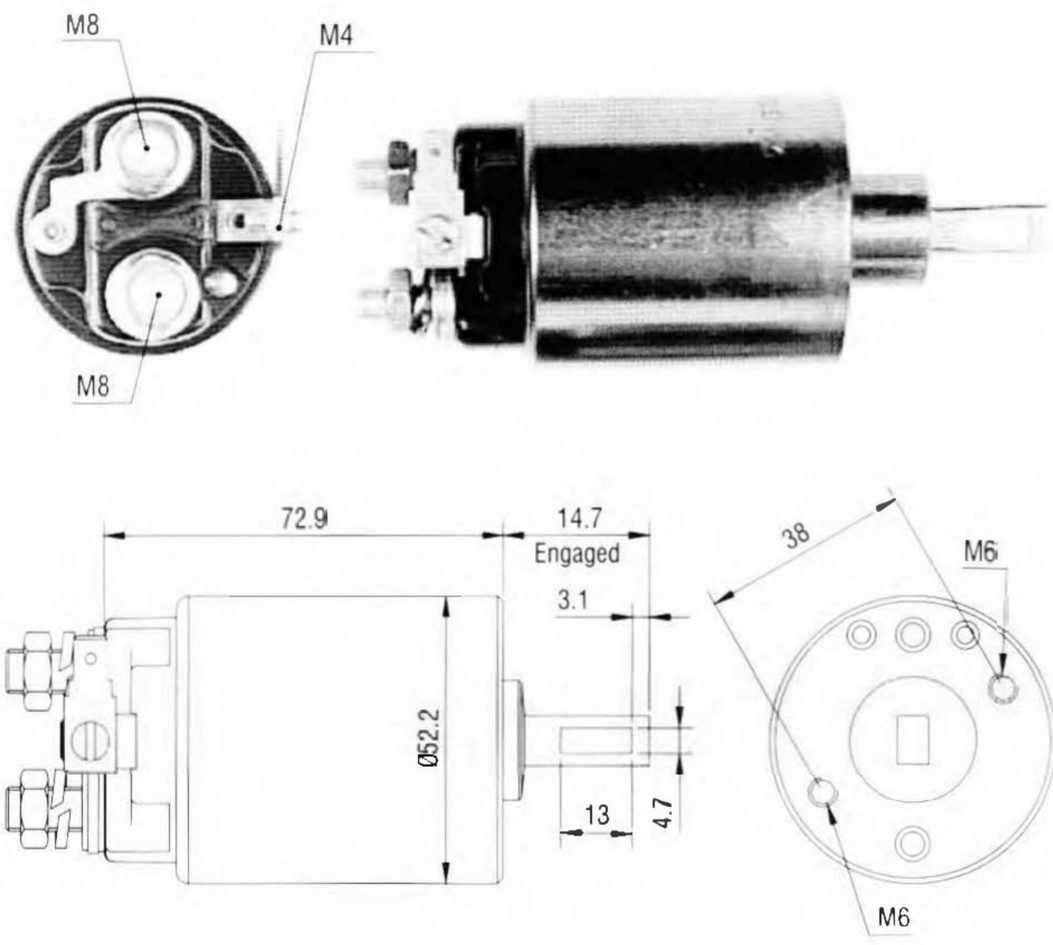
USED ON:
Nissan: Almera 2.0 Gti (04.96), Primera 2.0 (04.96), Infiniti G20 2.0L (00.91→2000), Nissan SX 2.0L (00.95→00.98), Nissan NX, Sentra 2.0L (00.91→00.94), Nissan Sentra 1.8L, 2.0L (00.98→00.01).

STARTERS:
Hitachi: S114-701A, S114-701C, S114-806A.

OEM SOLENOID:
Hitachi:

ZM 780 12V

CAP ZM 685.96



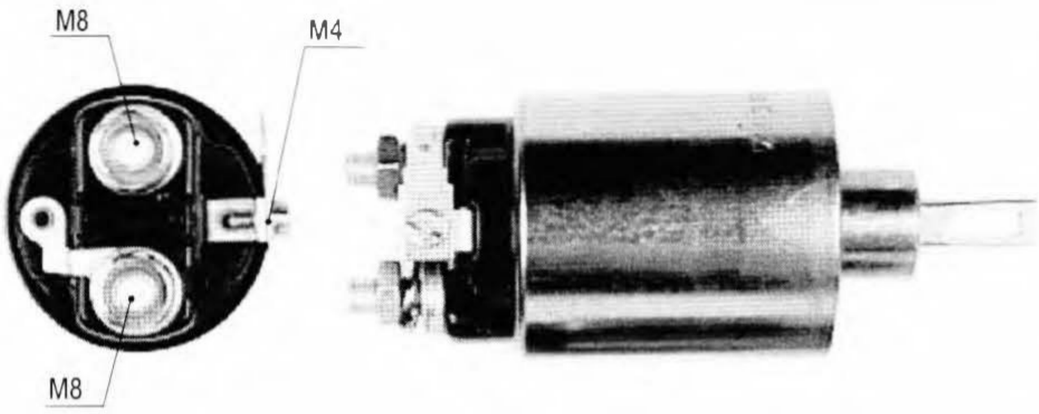
USED ON:
Bedford: Midi 2.0 D (00.85→). **Isuzu:** Cargo 2.1 D (00.84→), Midi 2.2 Diesel (00.88→), WFR 2.0 D, TD (01.83→00.87), WFR 2.2 D (00.85→00.88). Thermo King.

STARTERS:
Hitachi: S13-62, S13-62A, S13-62B, S13-62C, S13-89A, S13-89B.

OEM SOLENOID:
Hitachi:
2114-77007
Isuzu:
8-94228-453-0

ZM 781 12V

CAP ZM 683.96



USED ON:
Isuzu: KBD 26 2.0 Diesel (00.81→00.85), KBD 27 2.2 Diesel (00.85→00.88), NKR 2.8 Diesel (00.85→), Trooper 2.2 Diesel (01.84→00.88), 3 KC1 Engs.. Thermo King.

STARTERS:
Hitachi: S13-71, S13-75, S13-82A, S13-84, S13-84B, S114-429.

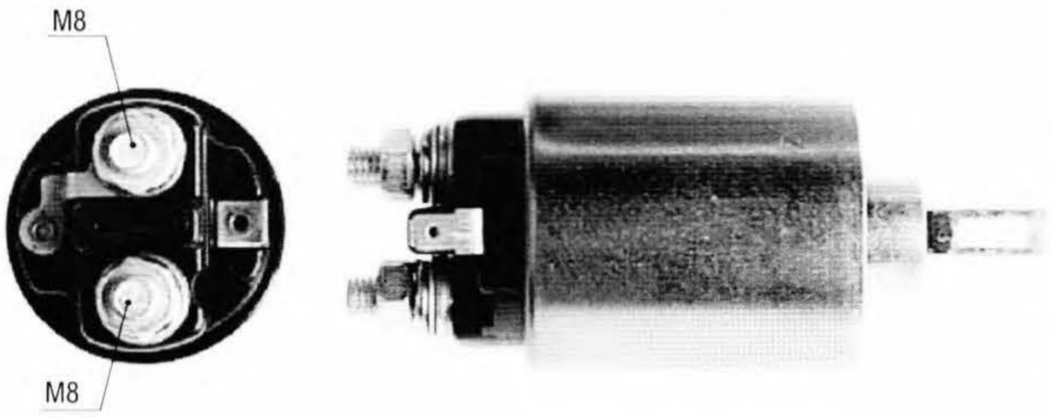
OEM SOLENOID:

Hitachi:	**Nissan:**
2130-27003	23343-W1700
2130-77001	**Isuzu:**
	5-81151-054-0

HITACHI

ZM 782 12V

CAP ZM 682.96



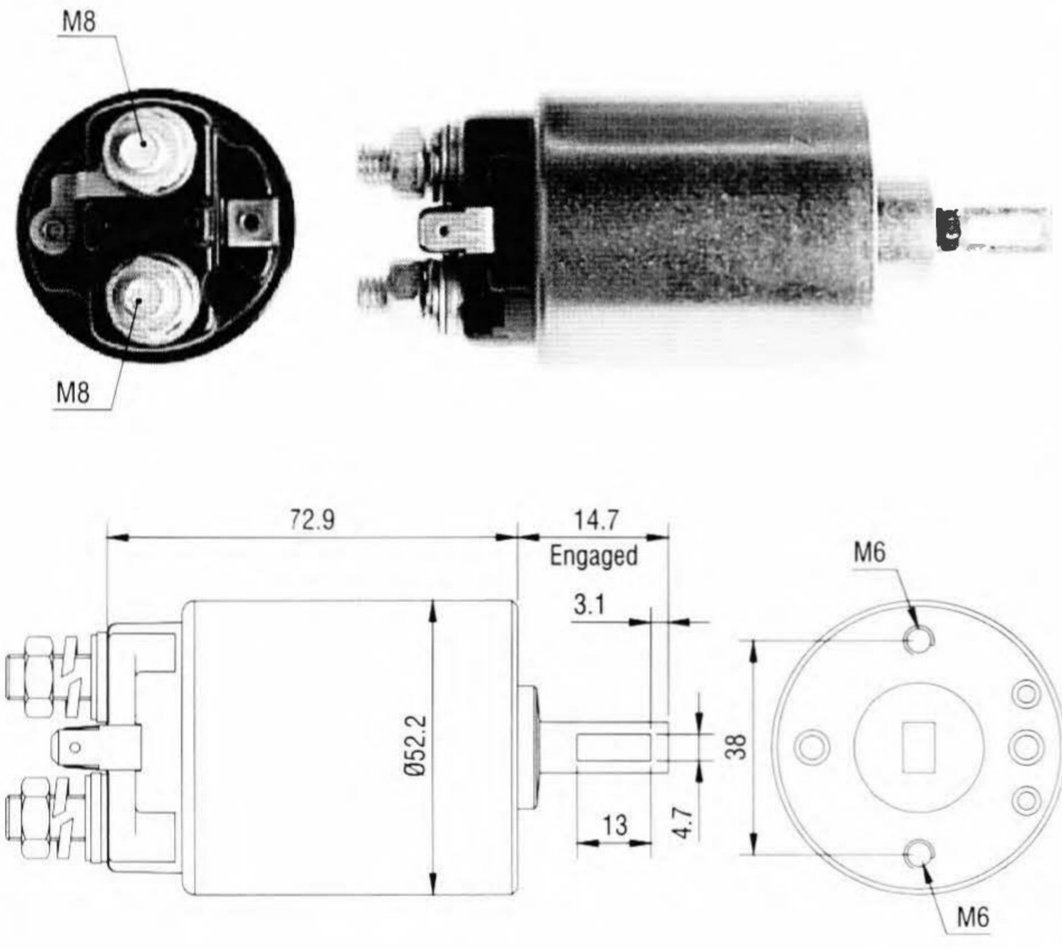
USED ON:
Nissan.

STARTERS:

OEM SOLENOID:
Hitachi:
2114-37502

ZM 1-782 12V

CAP ZM 682.96



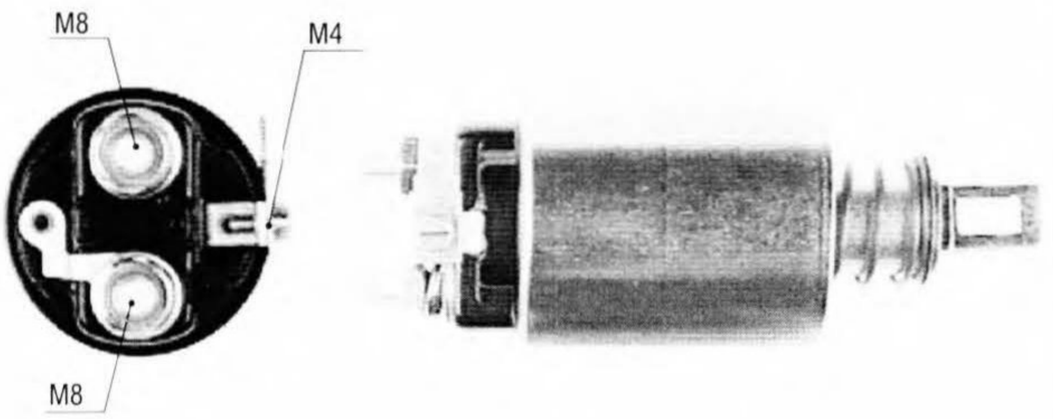
USED ON:
Nissan: Bluebird 1600, 1.6, 1.8, King Cap 2.0, 2.2, Skyline 1600, 1800, Violet 1.6, Nissa 280 ZX, 1600 Pick-up, 1800 Pick-up, 2000 Pick-up, 2200 Pick-up, 2400 Pick-up. Iseki, Isuzu, John Deere.

STARTERS:
Hitachi: S114-295, S114-352, S114-370, S114-427.

OEM SOLENOID:
Hitachi:
2114-37005
Nissan:
23343-U6000

ZM 783 12V

CAP ZM 683.96



USED ON:
Ford Loader, Ford Tractor 545, Ford Industrial and Isuzu.

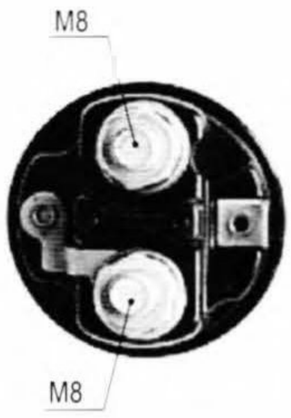
STARTERS:
Hitachi: S12-62, S13-32, S13-61A.

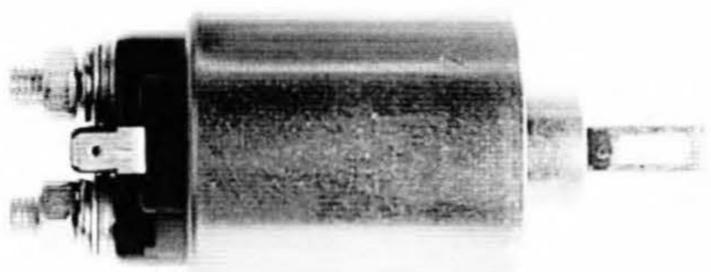
OEM SOLENOID:

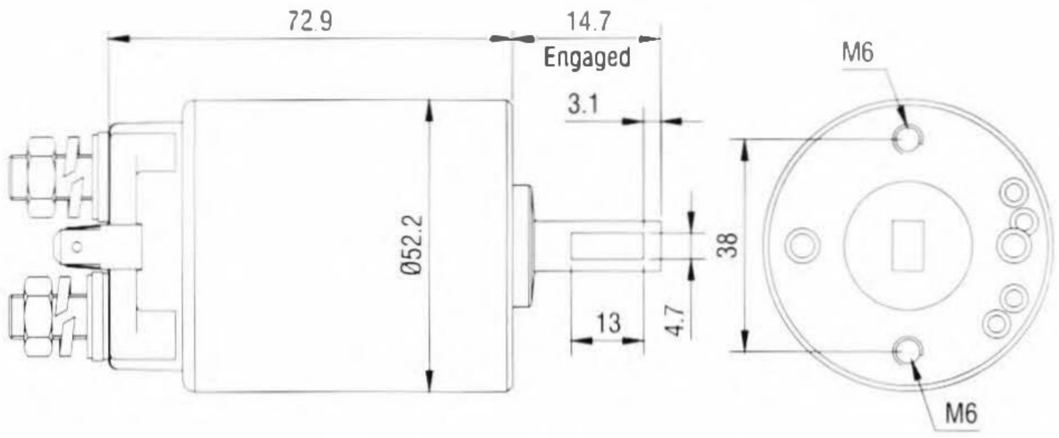
Hitachi:	**Ford:**
2130-8700	E2NN-11390-AA
2130-17004	

ZM 784 12V

CAP ZM 680.96







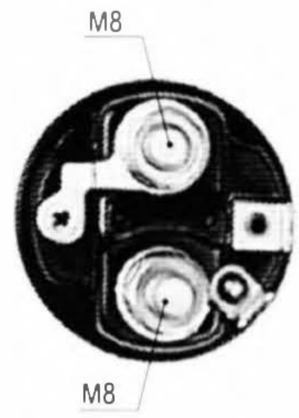
USED ON:
Nissan: Bluebird 160B, 180B, 1400, 1600, 1.6, 1.8, Capstar 1.6, 2.0, Cedric 200C, 240C, 240K, 240K GT, 240Z, King Cap 1.8, King Van 2.0, King Vanette 2.0, Silvia 180 SX, Sunny 1600, Sunny Excellent, Violet 140J, 1.6, 140Y, 160B, 180B. **TCM:** FHG 35, 40. Thermo King, Yanmar.

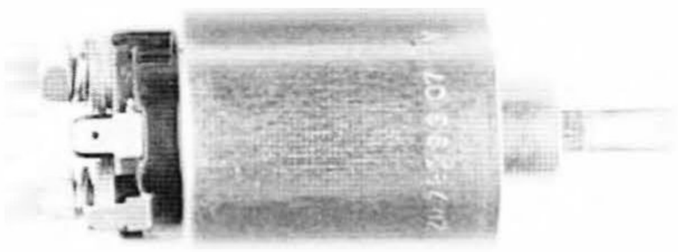
STARTERS:
Hitachi: S13-65, S114-146, S114-170, S114-170E, S114-172A, S114-172D, S114-172E, S114-173E, S114-173F, S114-174, S114-182, S114-182G, S114-218A, S114-229F, S114-235, S114-235A, S114-301, S114-381, S114-382, S114-446.

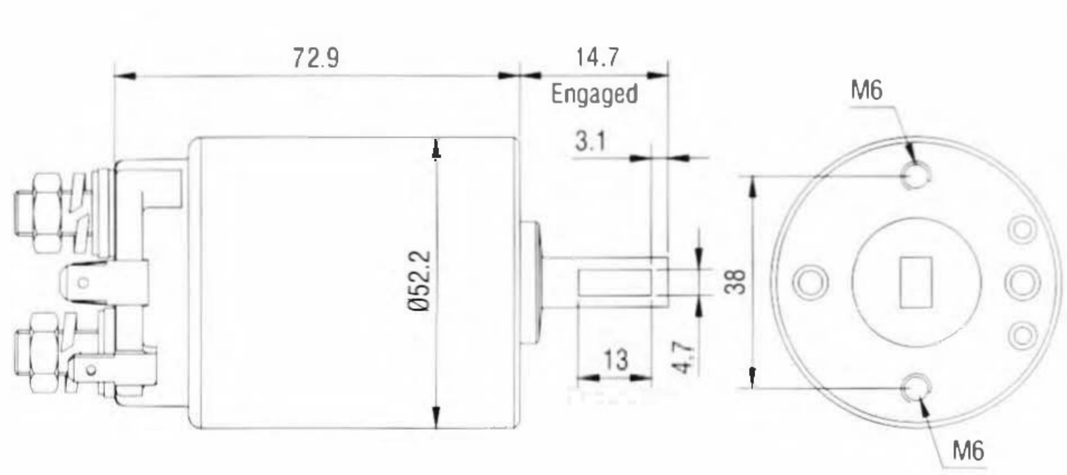
OEM SOLENOID:
Hitachi:
2114-57504 2114-97503
2114-87004
2114-97004

ZM 785 12V

CAP ZM 785.96







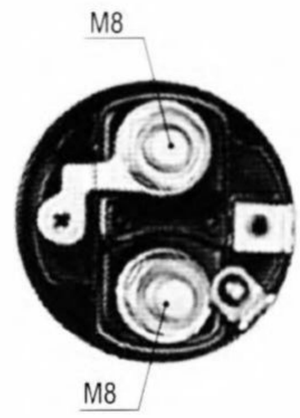
USED ON:
Volvo Penta Marine.

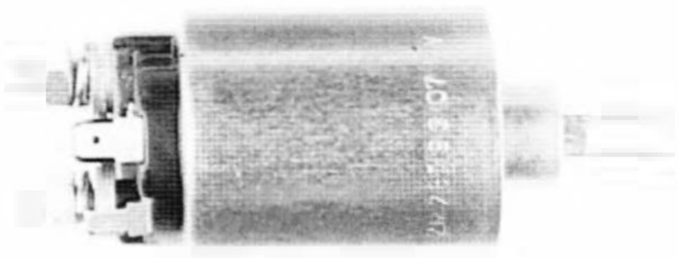
STARTERS:
Hitachi: S114-237.

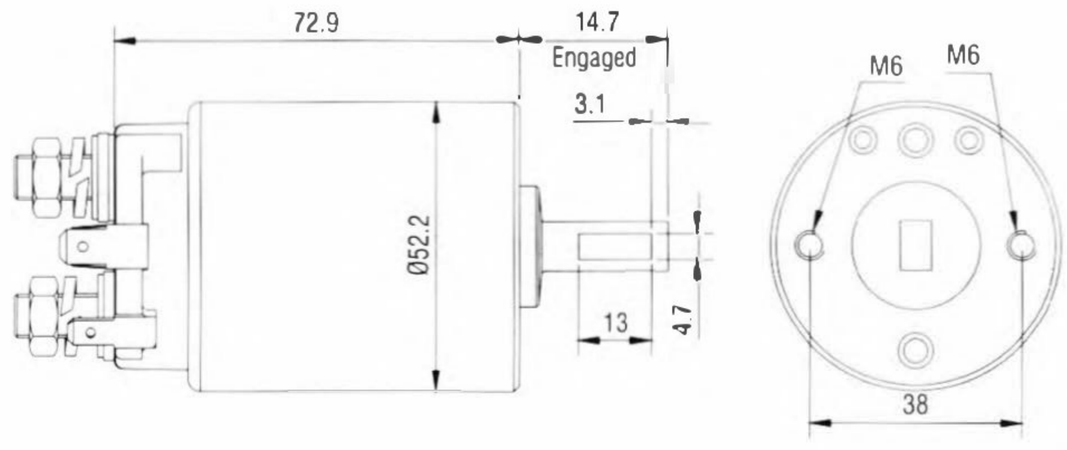
OEM SOLENOID:
Hitachi:
2114-27006

ZM 787 12V

CAP ZM 785.96







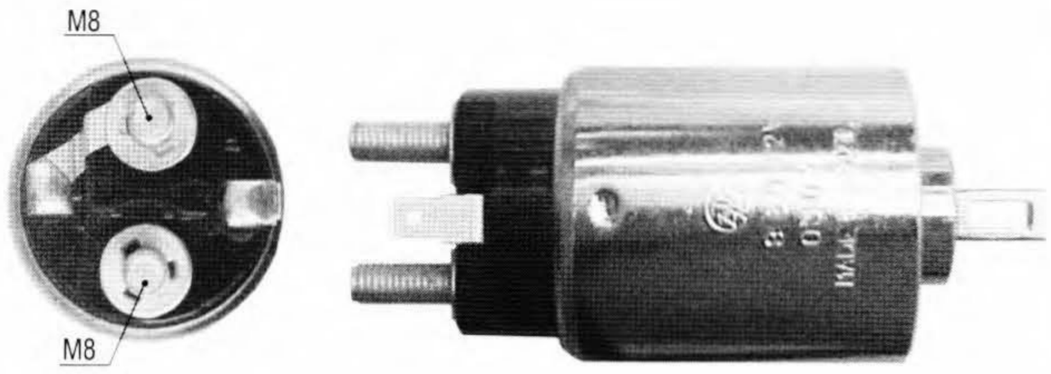
USED ON:
Volvo: 240 Series (03.79→08.93), 340 2.0 (08.84→07.88), 343 (05.81→07.84), 345 (08.81→07.84), 360 2.0 (08.82→07.90), 740 2.3, 2.3i, 2.3i 16 (08.85→07.91), 940 2.3i, 2.3i 16, 2.3 Turbo (09.90→08.97).

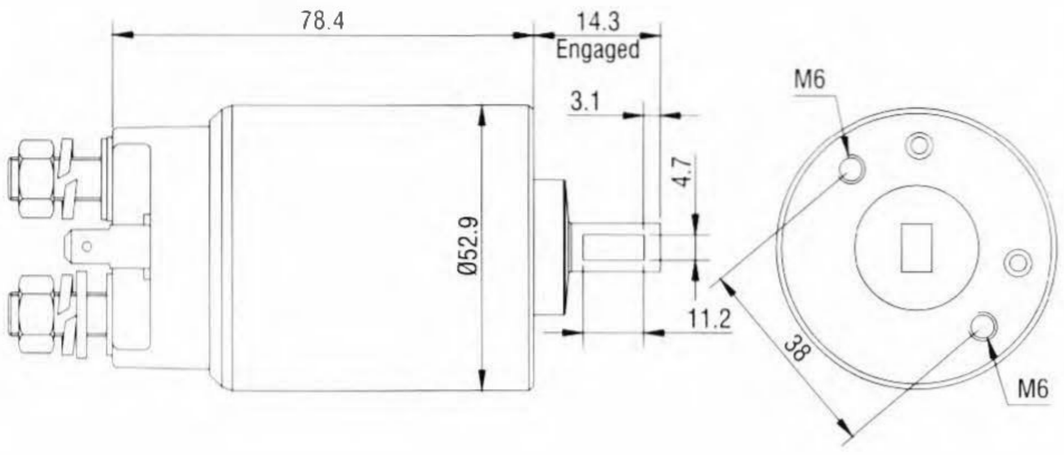
STARTERS:
Hitachi: S114-232A.

OEM SOLENOID:
Hitachi:
2114-27008

HITACHI

ZM 980 12V



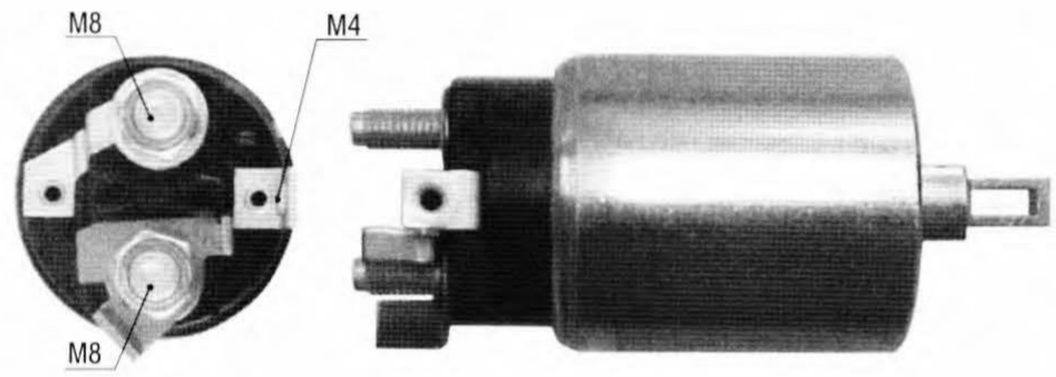


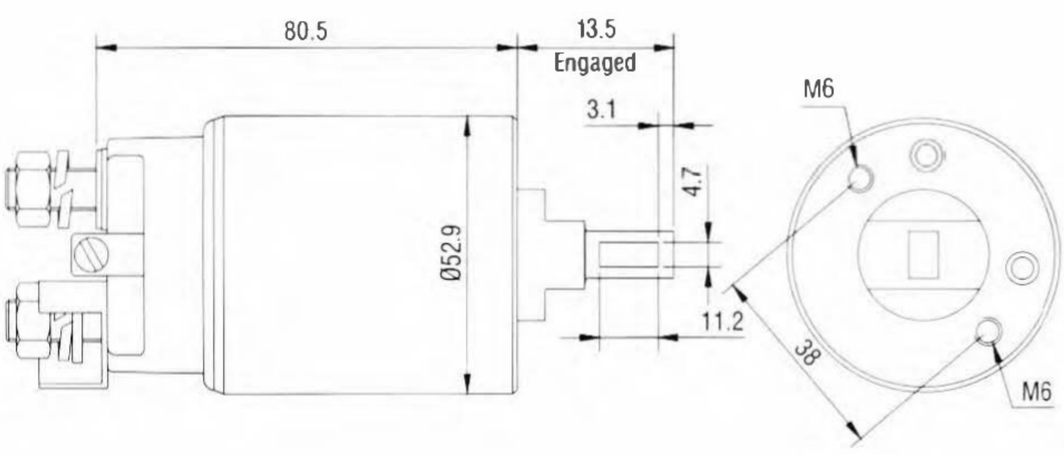
USED ON:
Nissan: Capstar 2.5 Diesel (02.86-→), King Cap 2.3 Diesel, 2.5 Diesel (09.85-→10.87), Nissan 2300 Pick-up Diesel, 2500 Pick-up Diesel (09.85→10.87).

STARTERS:
Hitachi: S13-104.

OEM SOLENOID:

ZM 981 24V





USED ON:
Isuzu: NKR 3.3 Diesel (07.85→), NPR 3.3 Diesel (07.85→), TLD 2.8 Diesel (00.83-→07.85).

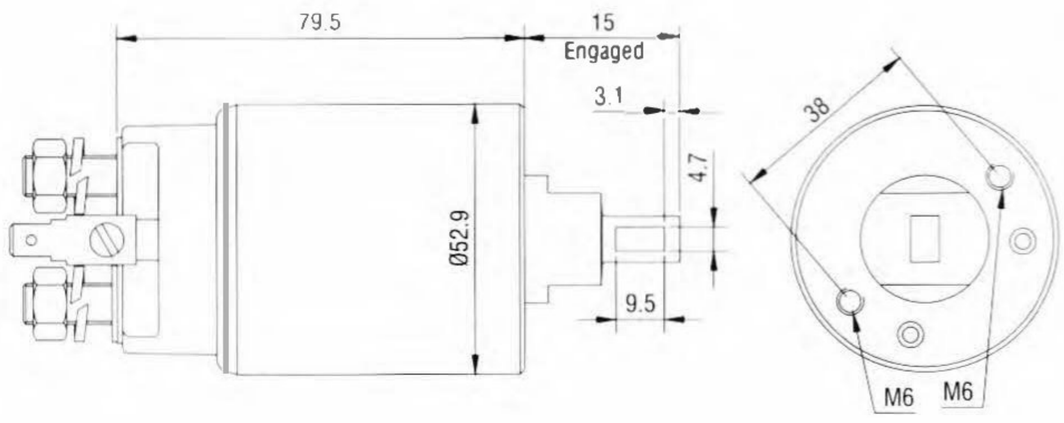
STARTERS:
Hitachi: S24-03C, S24-07, S25-03A, S25-161.
Isuzu: 8-94254-922-1, 8-94423-452-0.

OEM SOLENOID:

Hitachi:	Isuzu:
2240-5700	8-94152-981-0

ZM 1-981 12V





USED ON:
Nissan: Capstar 1500 2.3D (02.87-→02.89), 2.3TD (10.86-→), 2.5TD (10.86-→), Capstar 1500 Cold Climate (10.88-→), 2.7 TD (10.86-→), King Van 2.3D (02.87-→12.88), 2.5D (12.88→), Terrano 2.7TD (08.86-→) 2.3TD (11.86-→03.89), 2.5D (12.88-→).

STARTERS:
Hitachi: S13-106A, S13-106B, S13-106C, S13-107, S13-107A, S13-117A, S13-122, S13-126A, S13-127.

OEM SOLENOID:

Hitachi:	Nissan:
2130-67005	23343-02N00
2130-77005	23343-43400
2130-97008	23343-43G00

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

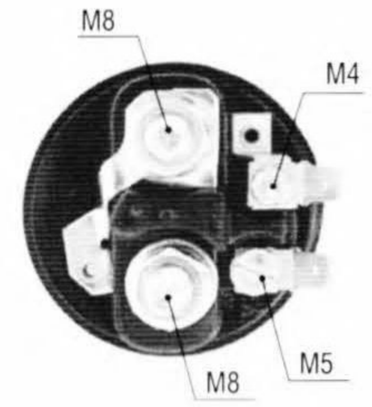
Available for new items.
Disponivel para novos itens.

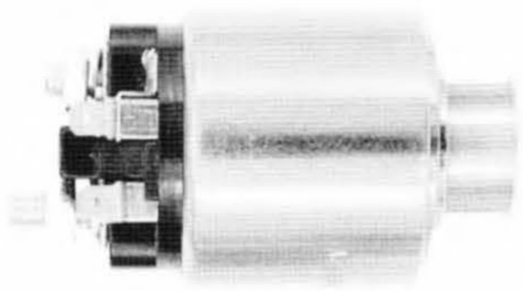
Available for new items.
Disponível para novos itens.

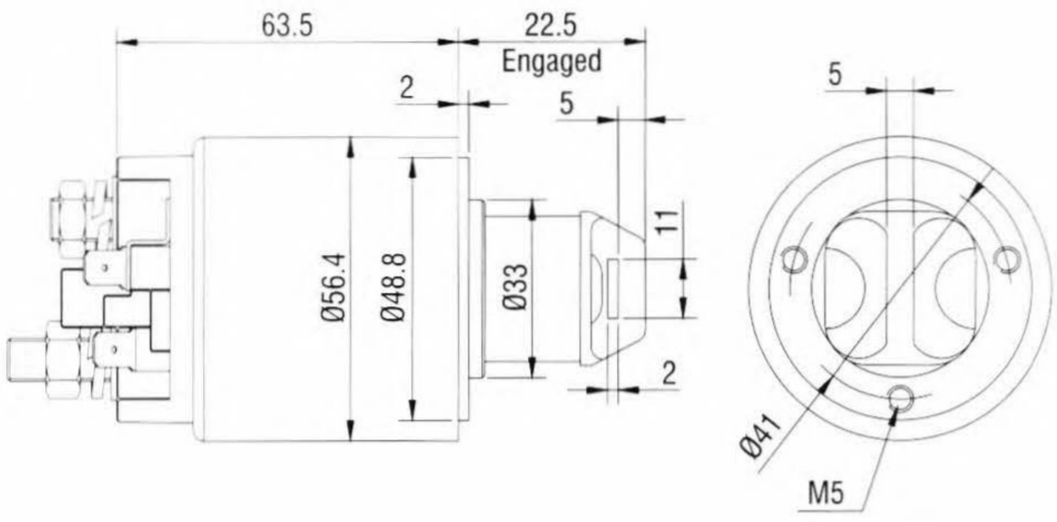
Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

ZM 471 12V





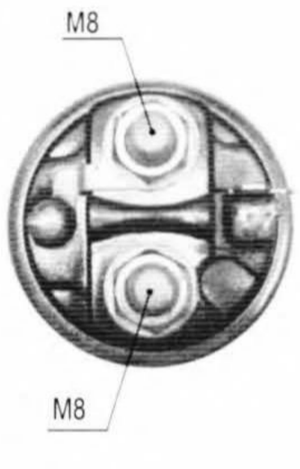


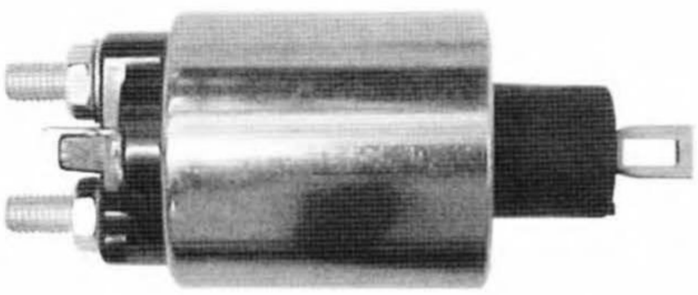
USED ON:
Volkswagen: Gol, Voyage, Parati, Saveiro, Apollo, Logus, Santana e Quantum, Gacel, Carat (88AR11001A). **Ford:** Versailles e Pampa com Motor "AP", Escort L, GL, Guaruja e Hobby com Motor CHT 1.6, 2.3, Taurus 2.3 (88AR11001A). **Fiat:** Linea 128, Uno, Fiorino, Pick-up (com Motor Tipo 1.4 e 1.6), Fiat 147, Spazio, Vivace, Regatta, Duna (46582489). **Renault:** R21, R19, R18, R12, R9 e Fuego 2.0, Renault 212.2, Trafic T352 e TA52 Luxo 2.2 (77002205105). **Peugeot:** 505, 504 Berlina e Pick-up.

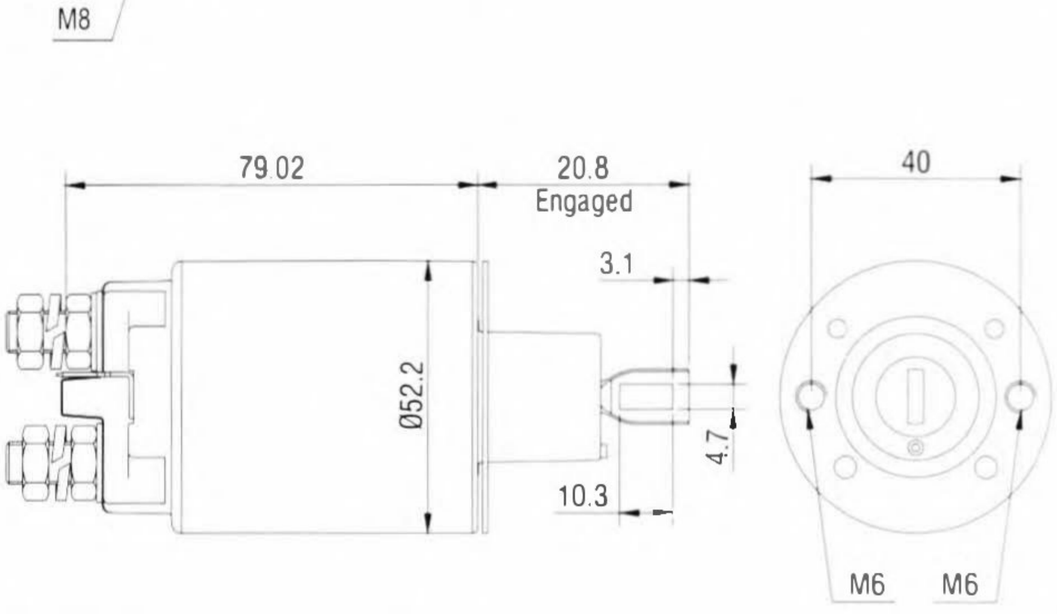
STARTERS:
Lucas: 352 57 510, 352 57 810, 352 57 850, 352 57 990, 352 58 060, 352 58 180, 352 58 340.

OEM SOLENOID:
Lucas:
356 40 550 356 40 540
356 40 590 356 40 660

ZM 480 12V





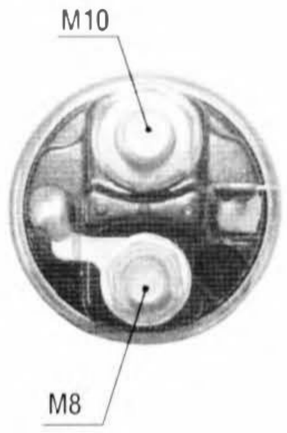


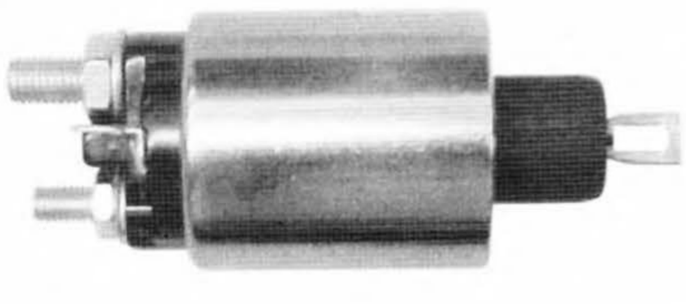
USED ON:
Ford: Plck-up F-1000 com Motor Maxion HS.
Mercedes Benz: Furgão Sprinter com Motor Maxion HS.

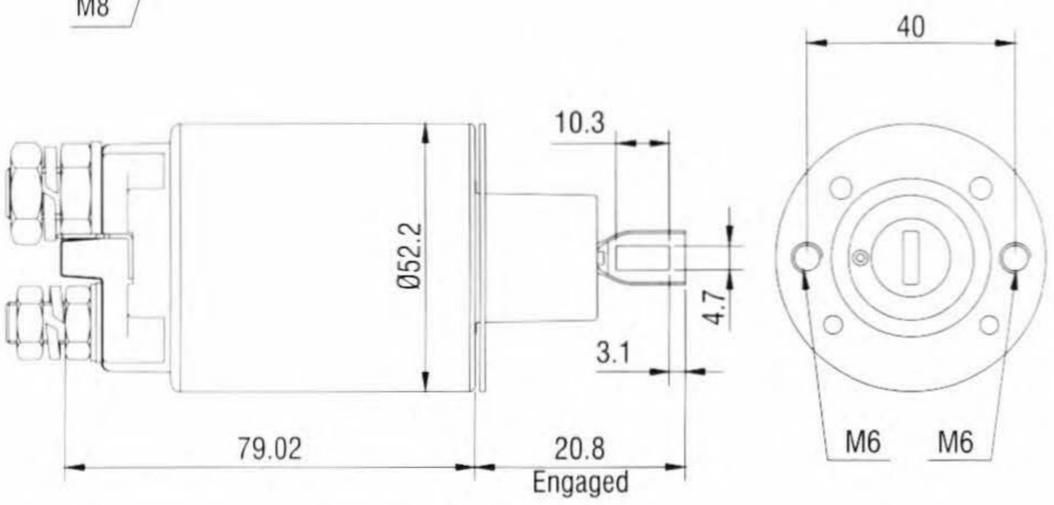
STARTERS:
Lucas: 352 58 660

OEM SOLENOID:
Lucas:
356 40 770

ZM 481 12V







USED ON:
General Motors: Silverado Diesel com Motor Maxion "S4".

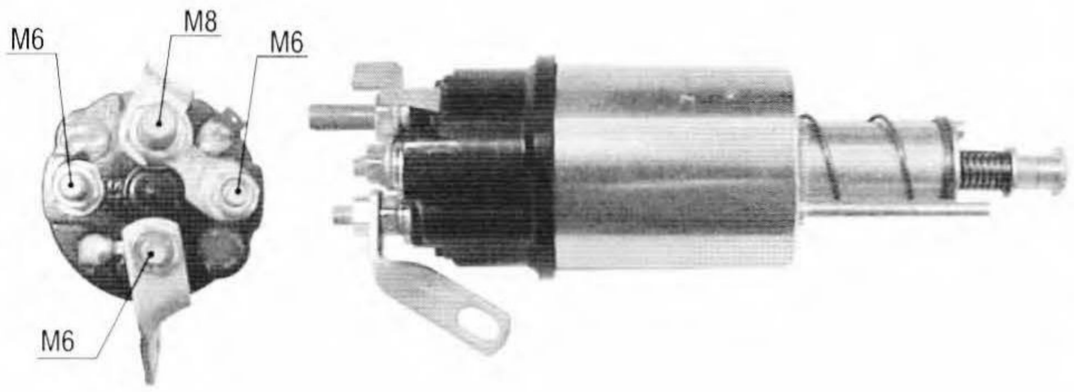
STARTERS:
Lucas: 352 58 540

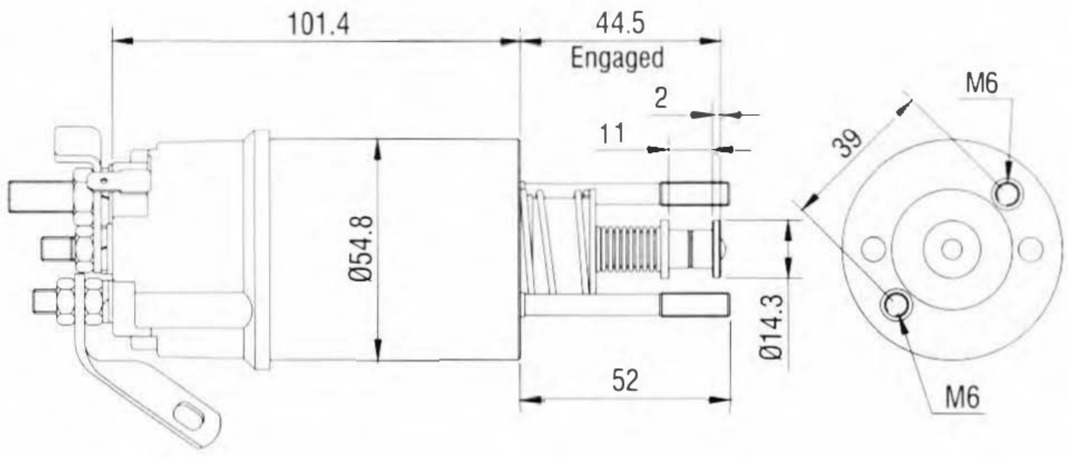
OEM SOLENOID:
Lucas:
356 40 840

LUCAS

ZM 610 12V

CAP ZM 610.96





USED ON:
For Lucas M50 Series DD Starters. Case, Clark Equipment, Ford Tractor, International, Leyland, Lincoln Electric, Lucas M50 Startes, Massey Ferguson, Sperry New Holland ad Yale Forklift.

STARTERS:
Lucas: 26211, 26227, 26234, 26246, 26265, 26274, 26291, 26294, 26295, 26304, 26305, 26312, 26316, 26323, 26338, 26339, 26341, 26343, 26345, 26351, 26352, 26357, 26358, 26359, 26366, 26376, 26379, 26395, 26410, 26414, 26423, 26431.

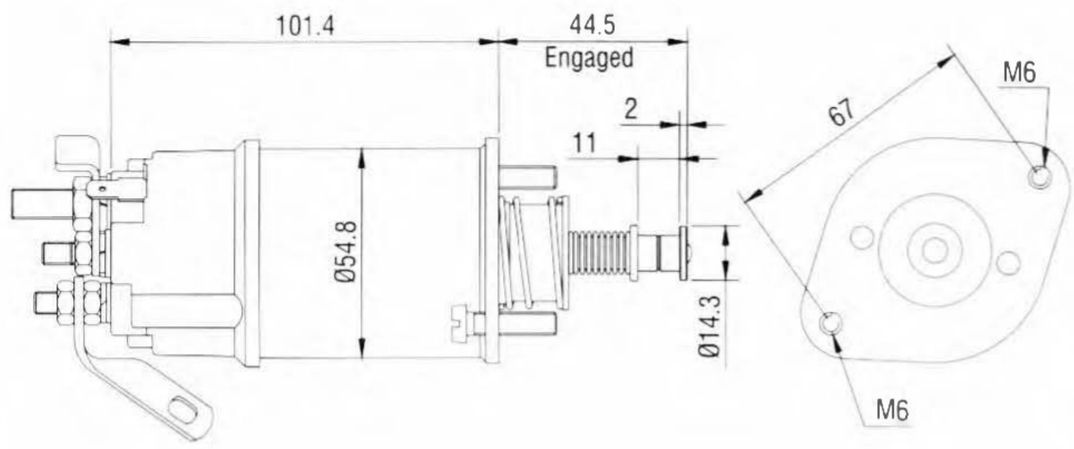
OEM SOLENOID:

Lucas:						Ford:
76740	76833	76862	76911	77010	77109	2701E-11390-A
76753	76834	76869	76912	77014	TOB108	2701E-11390-B
76756	76835	76881	76913	77025	TOB110	D4NN-11390-B
76781	76836	76900	76928	77032	TOB111	D7NN-11390-B
76825	76854	76910	76956	77052	TOB133	

ZM 611 12V

CAP ZM 610.96





USED ON:
Bedford: TJ (00.75→), TK Diesel (00.75→), TL 220, 330 D (00.80→).
For Lucas M50 Series DD Starters.

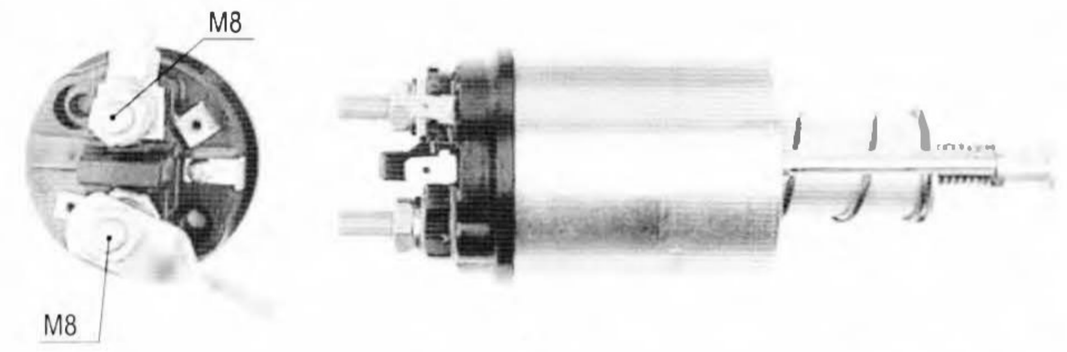
STARTERS:
Lucas: 26349, 26416.

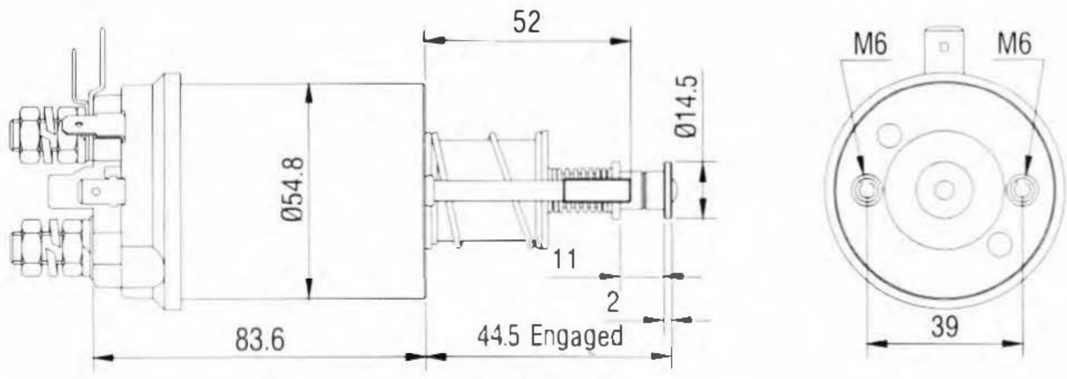
OEM SOLENOID:
Lucas:

76901	77040	TOB123
76926	77089	TOB125
76997	609 33 083	TOB183

ZM 612 12V

CAP ZM 612.96





USED ON:
For Lucas M418G, M127 Series DD Starters. IHC, Lister Petter and Massey Ferguson.

STARTERS:
Lucas: 25620, 25621, 25627, 25673, 26233, 26236, 26238, 26248, 26256, 26264, 26266, 26268, 26269, 26270, 26271, 26275, 26278, 26279, 26283, 26286, 26288, 26301, 26310, 26375, 26412, 26413, 26422, 27409, 27411, 27419, 27420, 27432, 27433, 27533, 27543.

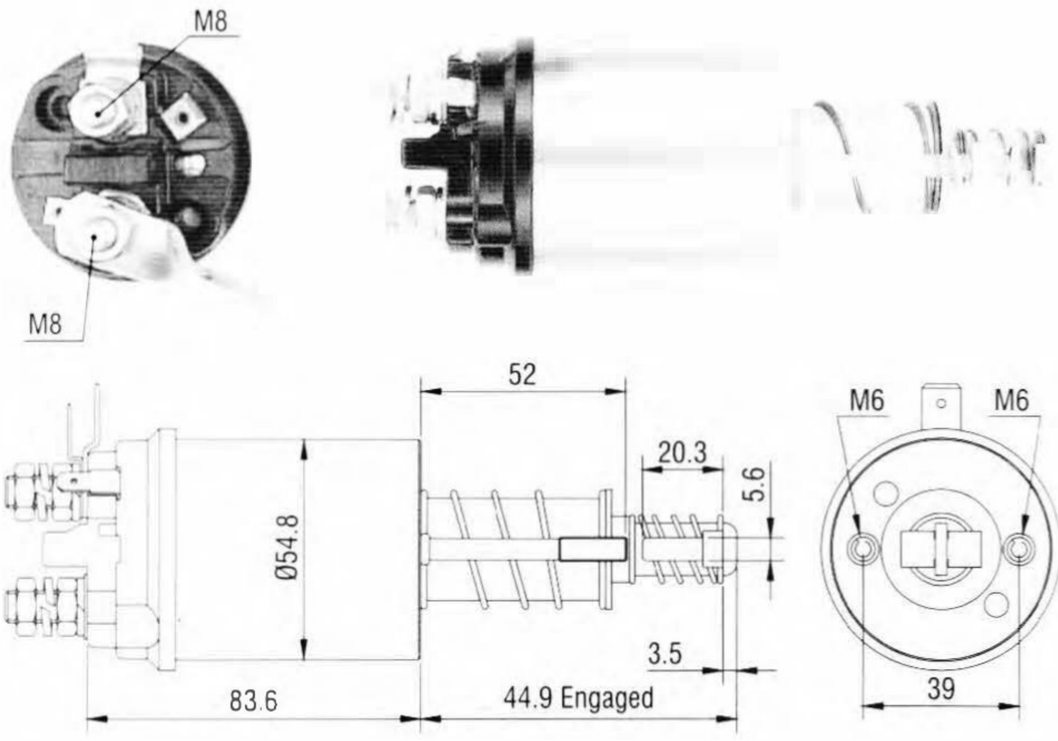
OEM SOLENOID:
Lucas:

76755	76803	76824	76855	76895	76961	77160	TOB162
76759	76804	76826	76871	76897	76982	78871	TPB107
76763	76815	76827	76885	76899	77034	TOB109	
76786	76820	76837	76891	76902	77035	TOB113	
76796	76821	76850	76892	76908	77058	TOB121	
76800	76823	76852	76894	76940	77157	TOB134	

Note: Copper extension terminal supplied only with standalone cap assembly.
Nota: Terminal de extensão de cobre é vendido somente com a tampa reparo.

ZM 613 12V

CAP ZM 613.96



Note: Copper extension terminal supplied only with standalone cap assembly.
Nota: Terminal de extensão de cobre é vendido somente com a tampa reparo.

USED ON:
For Lucas M127 Series DD Starters. Allis Chalmers, Atlas Copco, Barber Greene, Ford Tractors, J.I. Case, Long Universal, Lucas M127 Starters, Massey Ferguson, New Holland and Perkins.

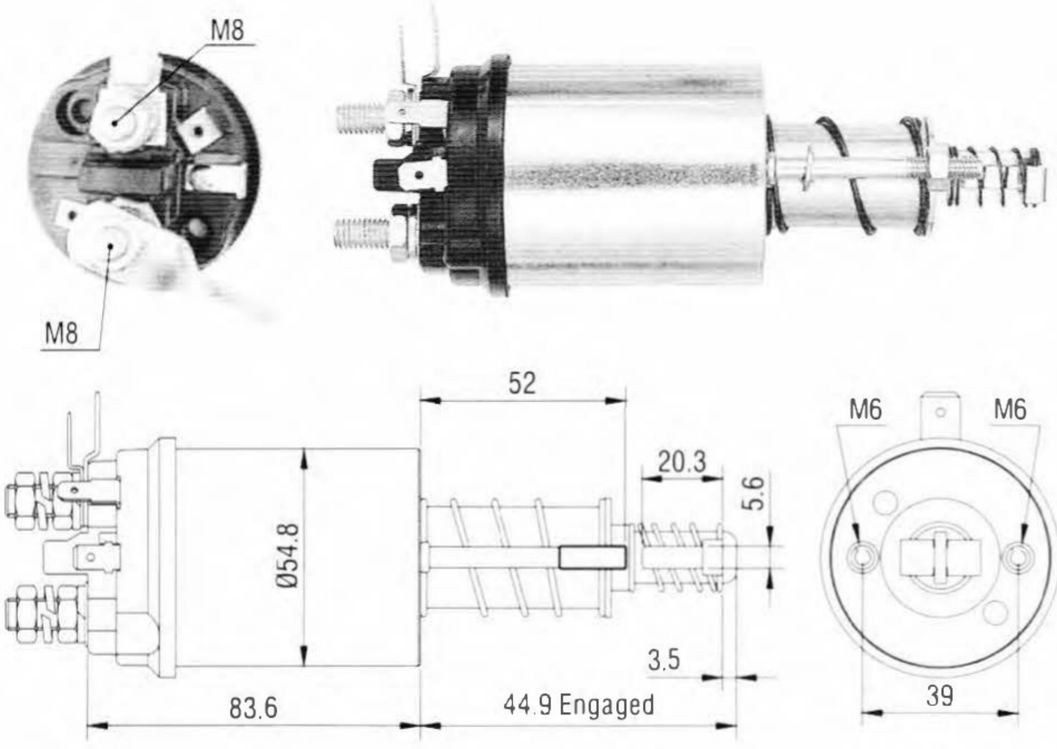
STARTERS:
Lucas: 27500, 27502, 27503, 27504, 27509, 27513, 27514, 27515, 27516, 27518, 27519, 27520, 27521, 27522, 27528, 27539, 27540, 27541, 27565.

OEM SOLENOID:
Lucas:

76923	77131	609 33 111	TPB116
77121	77141	TPB104	TPB118
77121A	77143	TPB111	TPB119

ZM 1-613 12V

CAP ZM 612.96



Note: Copper extension terminal supplied only with standalone cap assembly.
Nota: Terminal de extensão de cobre é vendido somente com a tampa reparo

USED ON:
Massey Ferguson, Allis Chalmers, Barber Greene, David Brown, Case Tractors, Jonhson Equipment, Lister Diesel, MG, Rover.

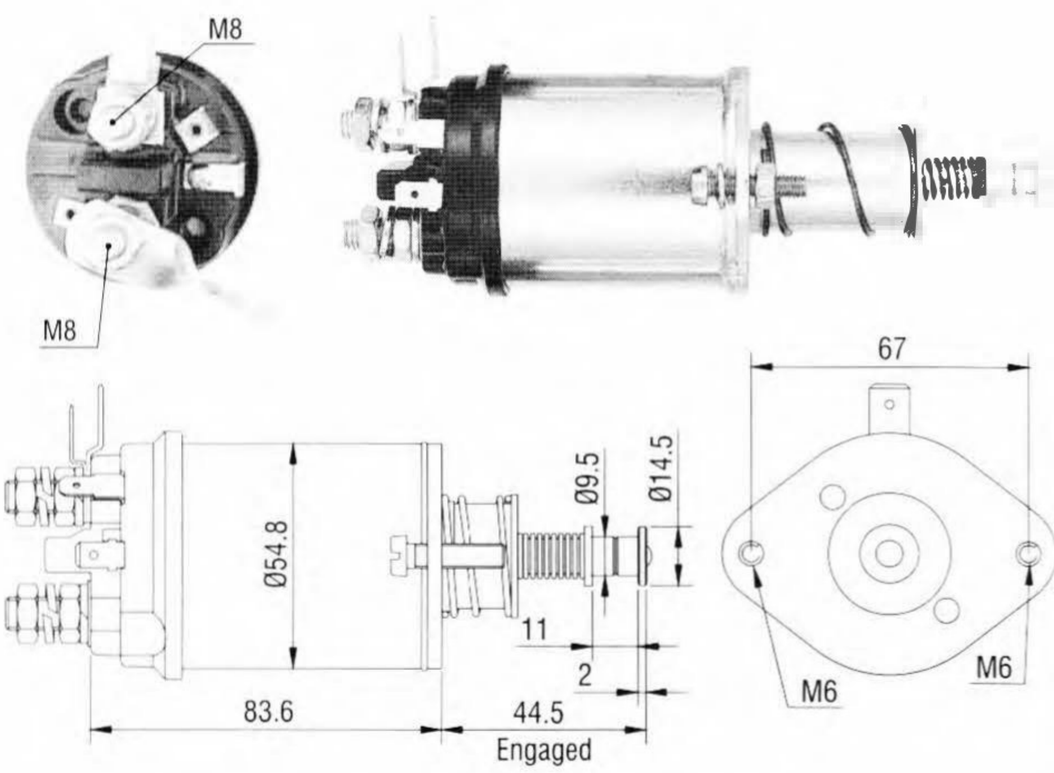
STARTERS:
Lucas: 27500, 27502, 27503, 27504, 27509, 27513, 27514, 27515, 27516, 27518, 27519, 27520, 27521, 27522, 27528, 27539, 27540, 27541, 27565.

OEM SOLENOID:
Lucas:

76923	77131	609 33 111	TPB116
77121	77141	TPB104	TPB118
77121A	77143	TPB111	TPB119

ZM 614 12V

CAP ZM 612.96



Note: Copper extension terminal supplied only with standalone cap assembly.
Nota: Terminal de extensão de cobre é vendido somente com a tampa reparo.

USED ON:
Rolls Royce, Jaguar, Ford Tractors and Leyland Vehicles.

STARTERS:
Lucas: 26327, 26364, 26400, 26460, 27426.

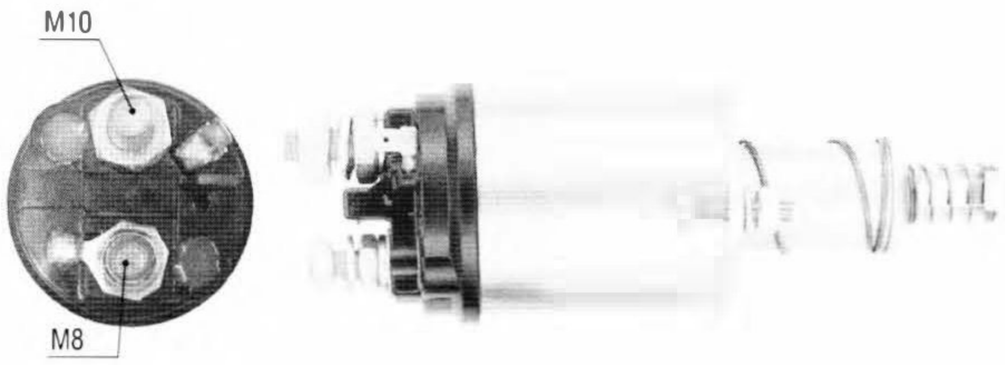
OEM SOLENOID:
Lucas:

76888	76983	77128	TOB119	TPB103
76906	77011	77169	TOB128	TPB131
76925	77021	609 33 104	TOB131	

LUCAS

ZM 615 12V

CAP ZM 615.96



USED ON:
Ford: Transit 80, 100, 120, 130, 150, 160, 190 2.5 D, TD (11.85→09.91), Transit FT Diesel (04.72-→12.86), Ford A0406, A0506 (10.73-→06.83), Ford A0407 (01.86-→), Ford Trucks and Range Rover.

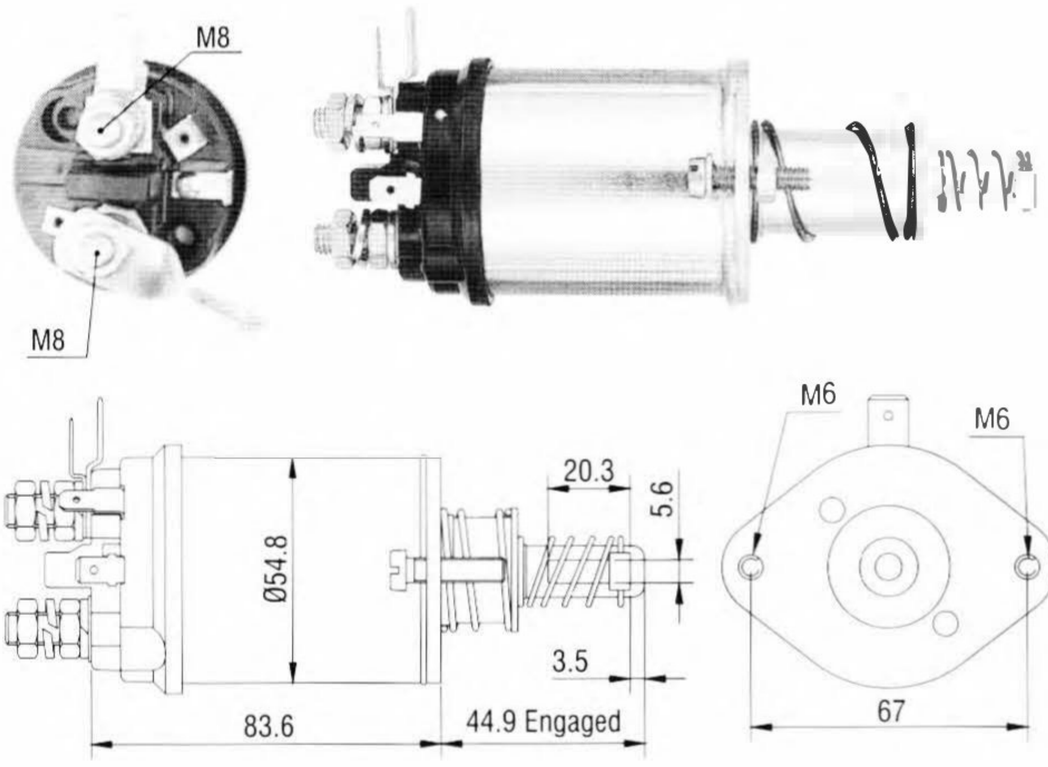
STARTERS:
Lucas: 27531, 27567.

OEM SOLENOID:

Lucas:	Ford:
77122	84VB-11390-AA
609 33 109	
TPB124	

ZM 1-615 12V

CAP ZM 612.96



Note: Copper extension terminal supplied only with standalone cap assembly.
Nota: Terminal de extensão de cobre é vendido somente com a tampa reparo.

USED ON:
Triumph, MG, Massey Ferguson and Rolls Royce.

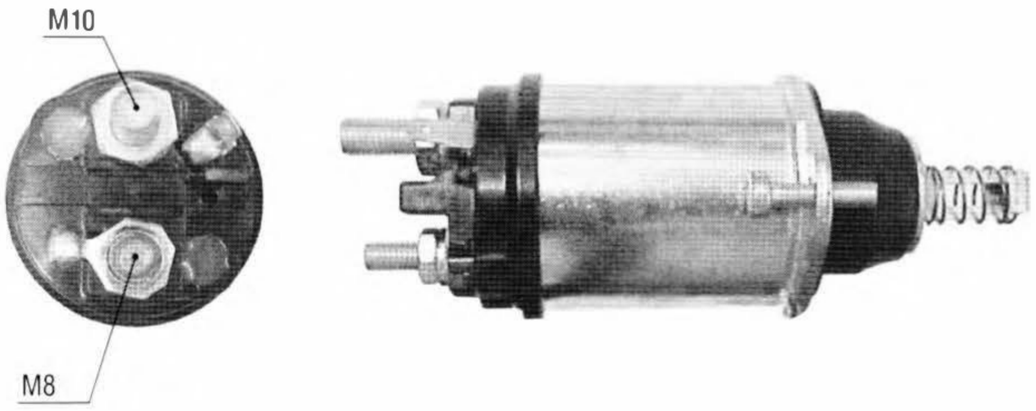
STARTERS:
Lucas: 25626A, 25626D, 25647A, 25647L.

OEM SOLENOID:
Lucas:

76816	TOB167	
76896		
76939		

ZM 616 12V

CAP ZM 615.96



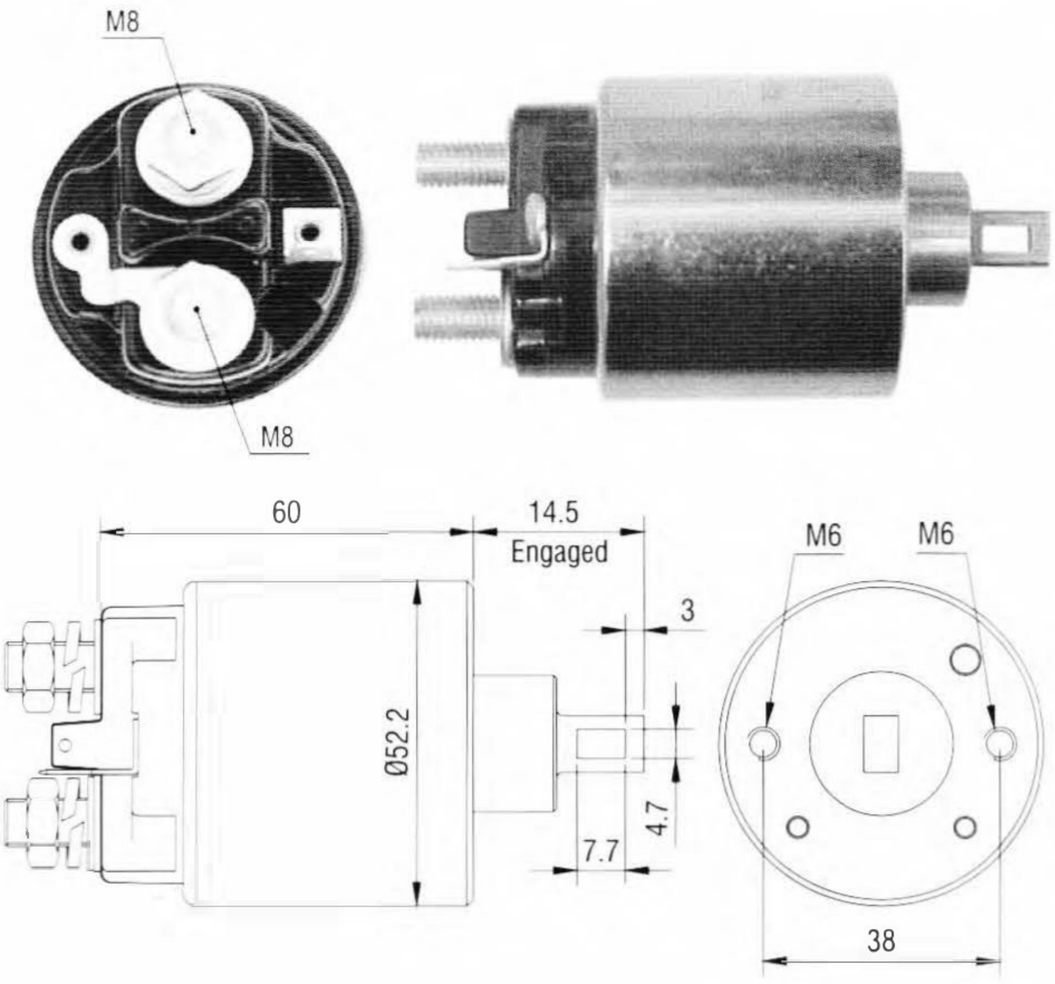
USED ON:
Ford Transit, Fiat Allis, AMC Jeep, Flak 8035, Deutz Tractors, FL912 Eng., Ford York Eng.,IHC TH36 Tractors, Universal Tractors 445, 550, Land Rover 2.25 liter Petrol.

STARTERS:
Lucas: 26390, 26394, 17430, 17440.

OEM SOLENOID:
Lucas:

76994	77147	TPB133
77036	77149	
77140	TOB182	

ZM 716 12V

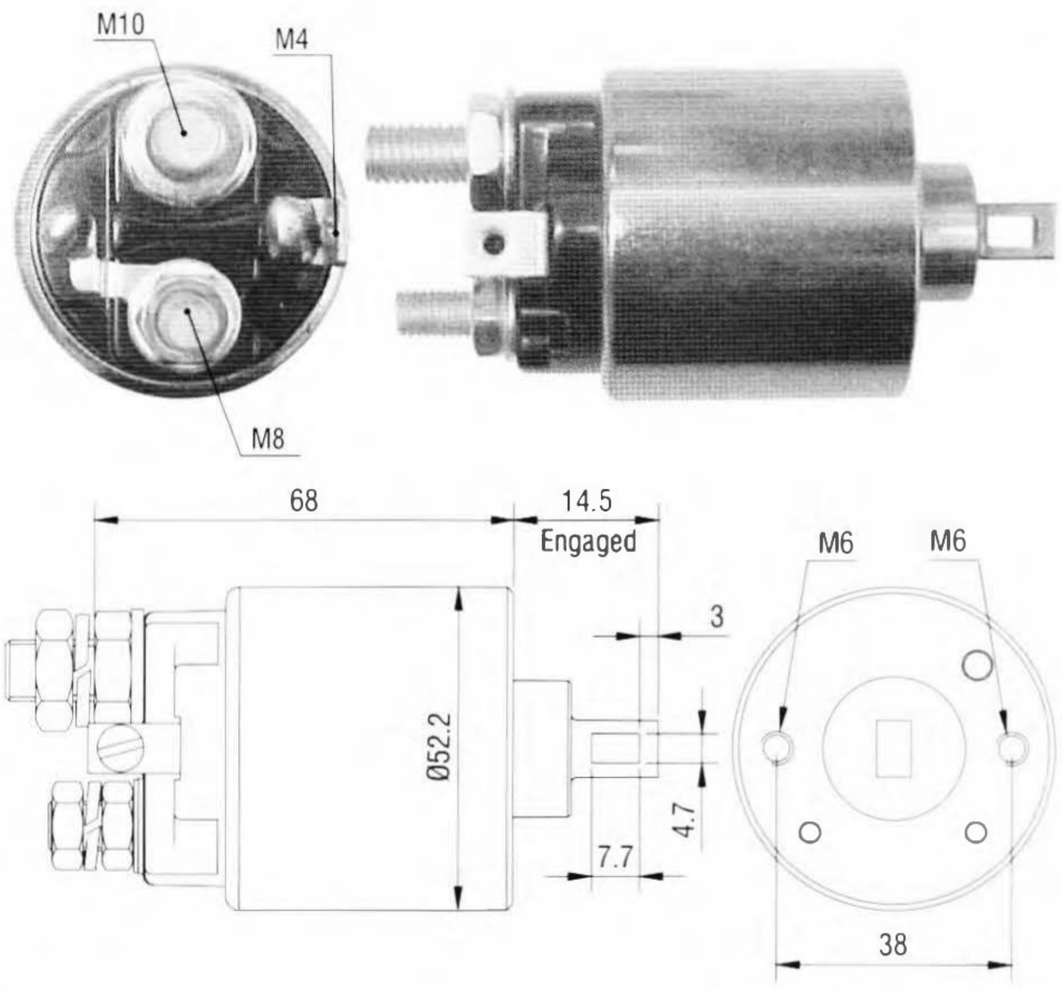


USED ON:
Ford: Verona e Orion com Motor Audi 827 1.6, 1.8, 2.0.
Volkswagen: Pointer com Motor Audi 827 1.8, 2.0, Polo Classic.

STARTERS:
Lucas: 352 58 270.

OEM SOLENOID:
Lucas:
356 40 630

ZM 2-716 12V



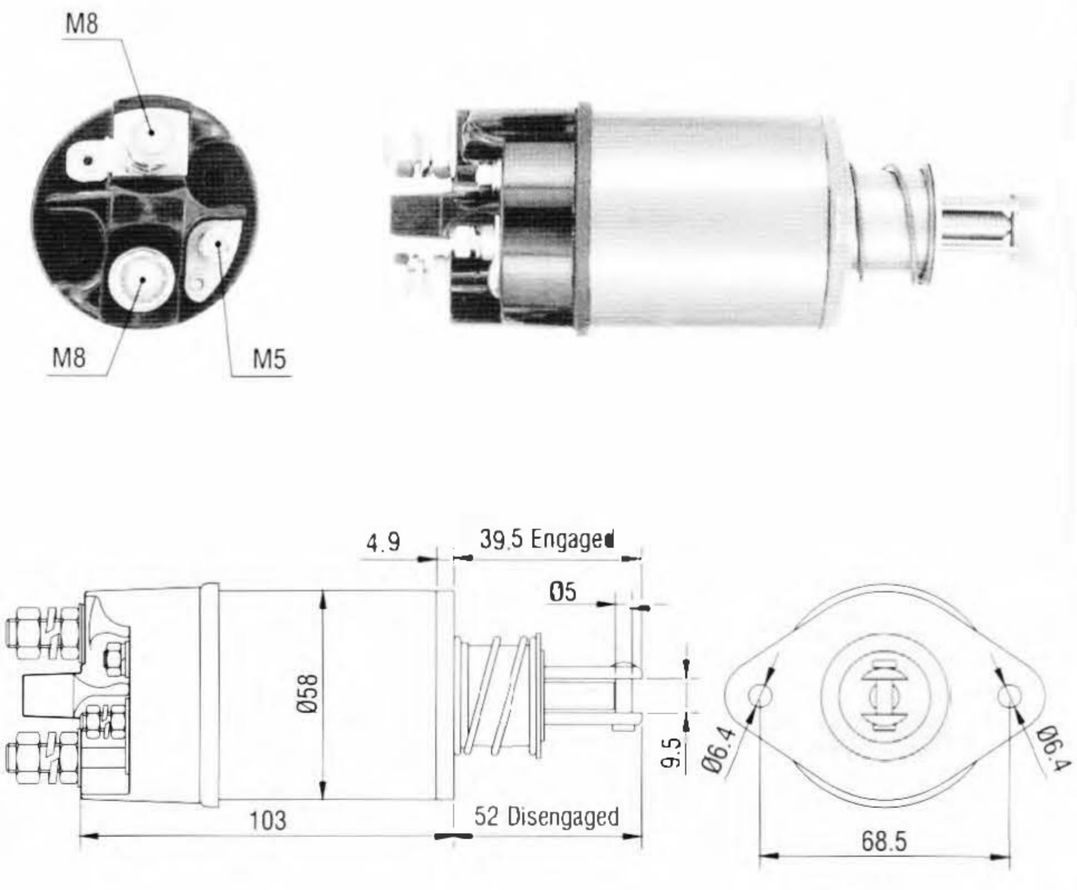
USED ON:
General Motors: Silverado com Motor 6 Cil. a Gasolina.

STARTERS:
Lucas: 352 58 430.

OEM SOLENOID:
Lucas:
356 40 710

ZM 801 12V

CAP ZM 801.96



USED ON:
Borgward: Motores Indenor XDP 6.9, Borgward VW 4Cil., 2.4 de 75, 100 HP, Indenor XD2, XD2 Diesel Ligero, XD3, XD3T e XD2S Turbo. **Chrysler/Volkswagen:** Caminhões DP600, DP800, DP500 e DD1000. Dodge Taxi, Pick-up DP100 e DP200. **Deutz:** Motor Deutz 913 de 3, 4, 5 e 6 Cil., F4L2114 após 1973. **Ford:** Ônibus B7000, B600, Caminhões F6000 e F7000, F3500, Pick-up F250, F100. **General Motors:** Caminhões com Motor Bedford após 1975. **Renault:** Galdiator T1000, Trafic, Pick-up 18, 21 Diesel. **John Deere:** Tratores 1420, 2330, 2420, 2530, 2730, 3420, 4420, 3530, 4530, Industriais JD 627, JD 727, 2140 (4cil.), 3140 (6 Cil.), Retroescavadeira JD 309, Motoniveladora JD 570, 570A. **Massey Ferguson:** Tratores 1095, 1098, 1195, 1215 Turbo, 1075, 1078, 1088, 1175, 1185, 165, 265, 150, 155 e 255. Perkins: 3.152, 4.203, 6.305 e 6.354, Tratores MF 150, 155 e 255. **Sevel/Peugeot:** 504, Pick-up e Diesel Ligero, 505 XD3, XD3T e XD2S Turbo (Nr. Sevel 9418002079).

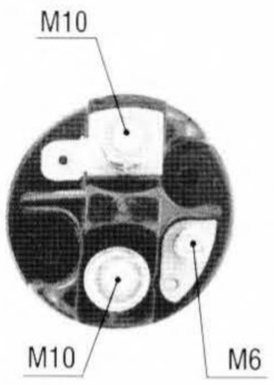
STARTERS: Lucas: 352 56 422, 352 56 424, 352 57 700, 352 57 880.

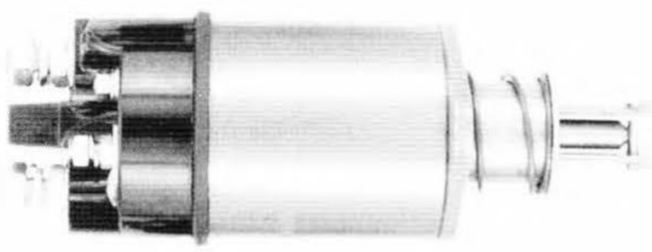
OEM SOLENOID: Lucas: 356 40 274

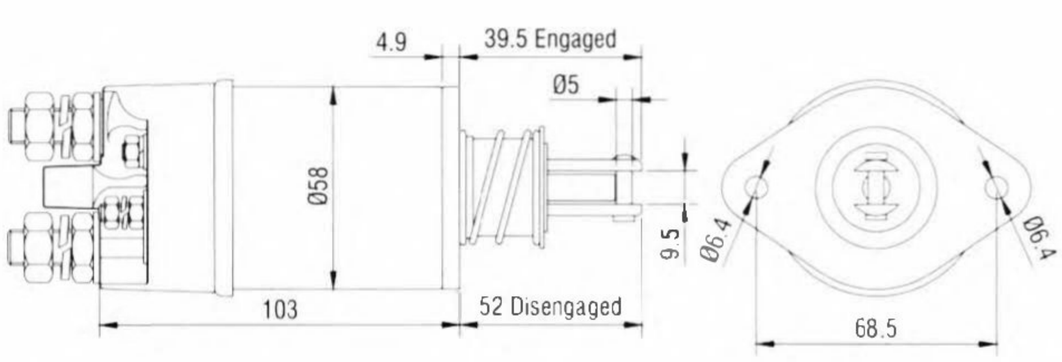
LUCAS

ZM 1-801 24V

CAP ZM 802.96







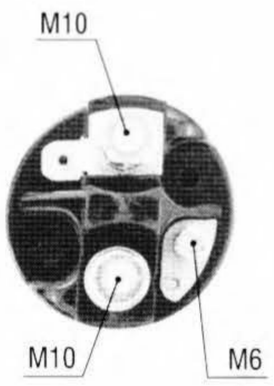
USED ON:
Deutz: Tractor A46, A65, D47, D66, D85, Caminhão e Ônibus com Motor Deutz 913, 6 e 8 Cil.
Fiat: Bus 150 Turbo.

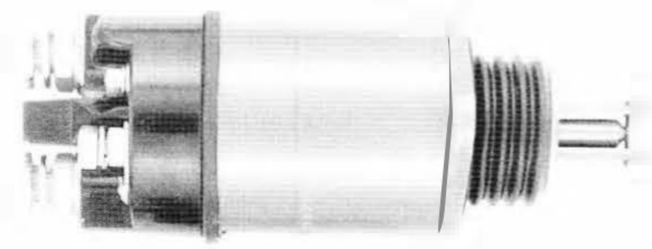
STARTERS:
Lucas: 352 56 474, 352 56 747, FC115024.

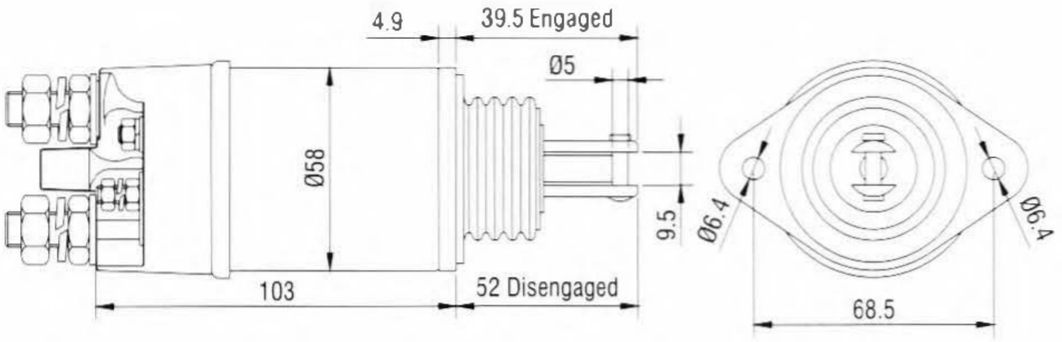
OEM SOLENOID:
Lucas:
356 40 346

ZM 802 12V

CAP ZM 802.96





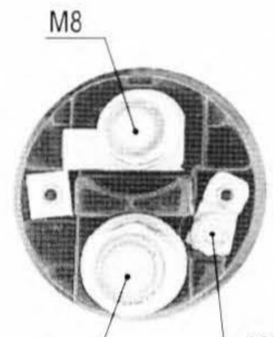


USED ON:
Mercedes Benz.

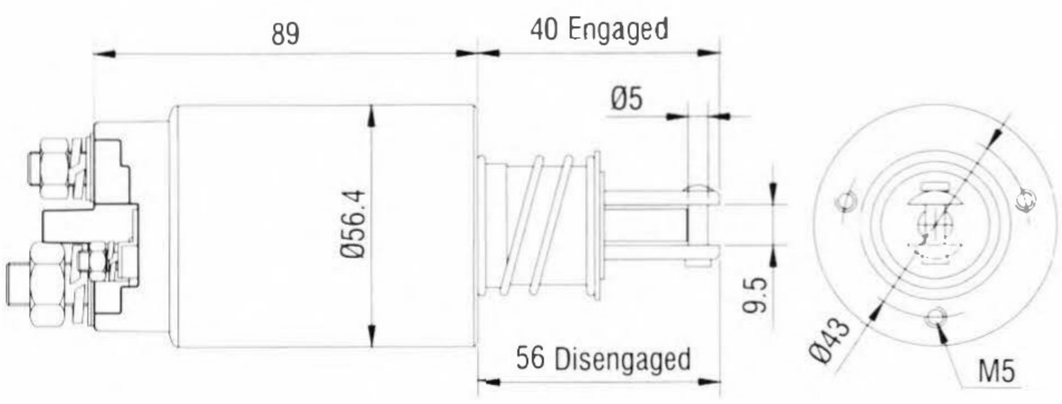
STARTERS:
Lucas: 352 57 385.

OEM SOLENOID:
Lucas:
356 40 306

ZM 803 12V







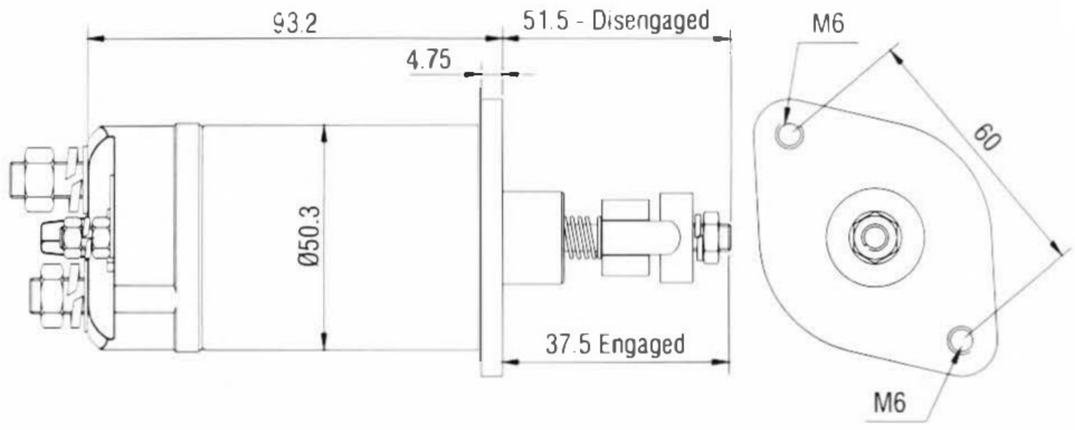
USED ON:
Pick-up F100, F150, F1000, F4000 com Motor MWM. Pick-up D20 Diesel com Motor Maxion.

STARTERS:
Lucas: 352 58 240, 352 58 440.

OEM SOLENOID:
Lucas:
356 40 640

ZM 821 12V





USED ON:
Ford: Pick-up F-1000, com Motor 221 Emax (Álcool ou Gasolina).

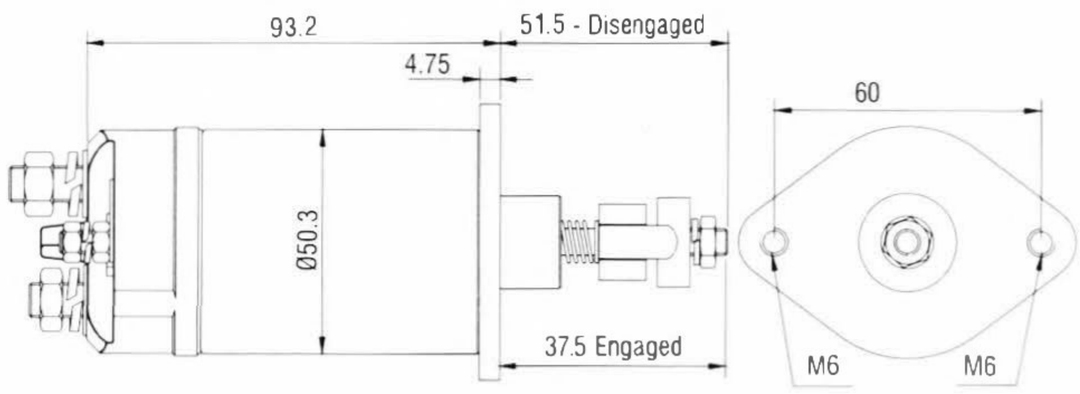
STARTERS:
Lucas: 352 58 000.

OEM SOLENOID:

Lucas:	Ford:
356 40 600	88DR-11001-A

ZM 822 12V





USED ON:
Ford: Falcon, Fairlane, Pick-up, F1000, Truck F350, F600, Taurus, Sierra, Bounous 2 Cil.

STARTERS:
Lucas: 352 56 303, 352 56 640, 352 57 086.

OEM SOLENOID:
Lucas:
356 40 381

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponivel para novos itens.

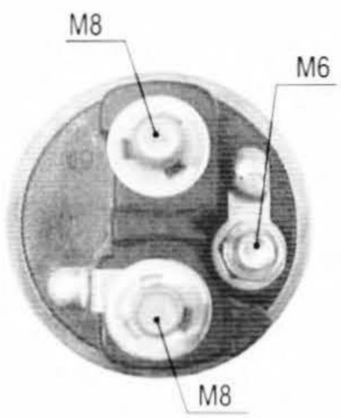
Available for new items.
Disponível para novos itens.

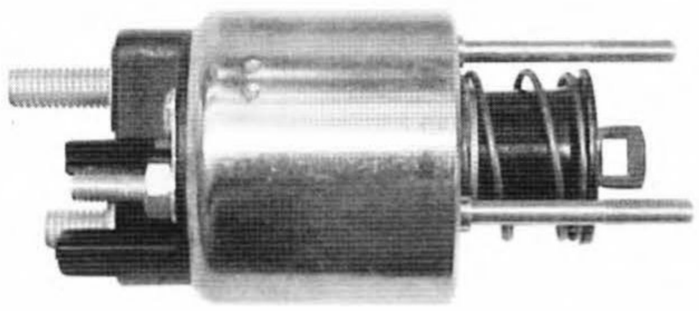
Available for new items.
Disponivel para novos itens.

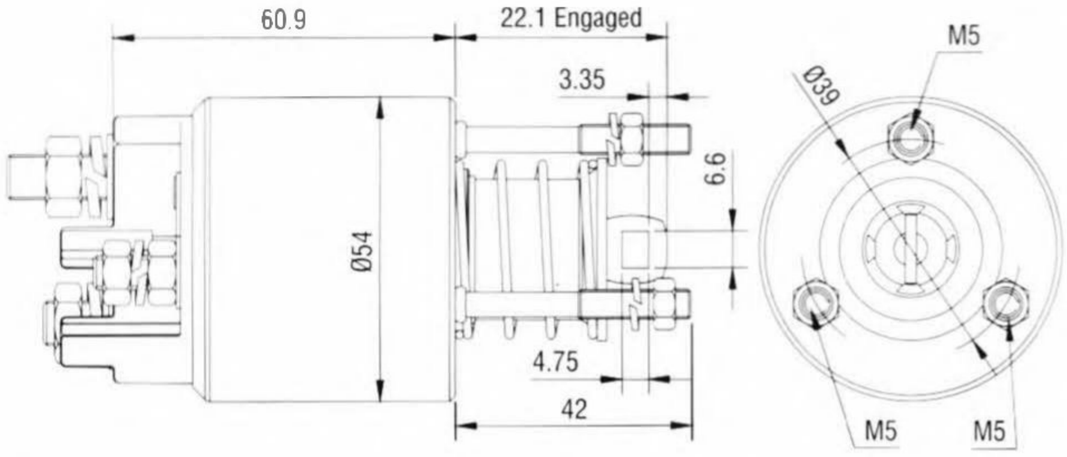
Available for new items.
Disponivel para novos itens.

ZM 395 12V

CAP ZM 395.96





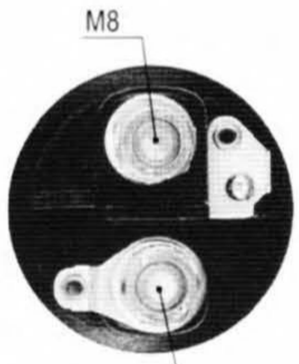


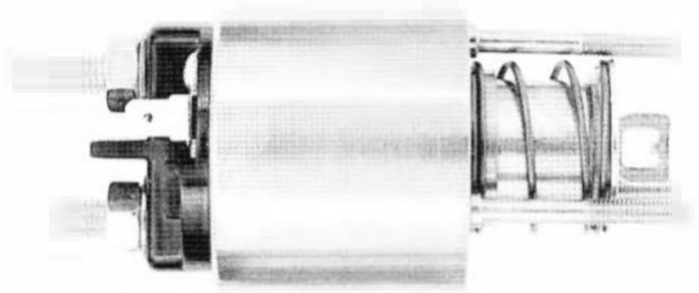
USED ON:
Ford: Escort 1.8 EFI, Fiesta 0.9, 1.0, 1.3.
Mazda: 121 1.3i.

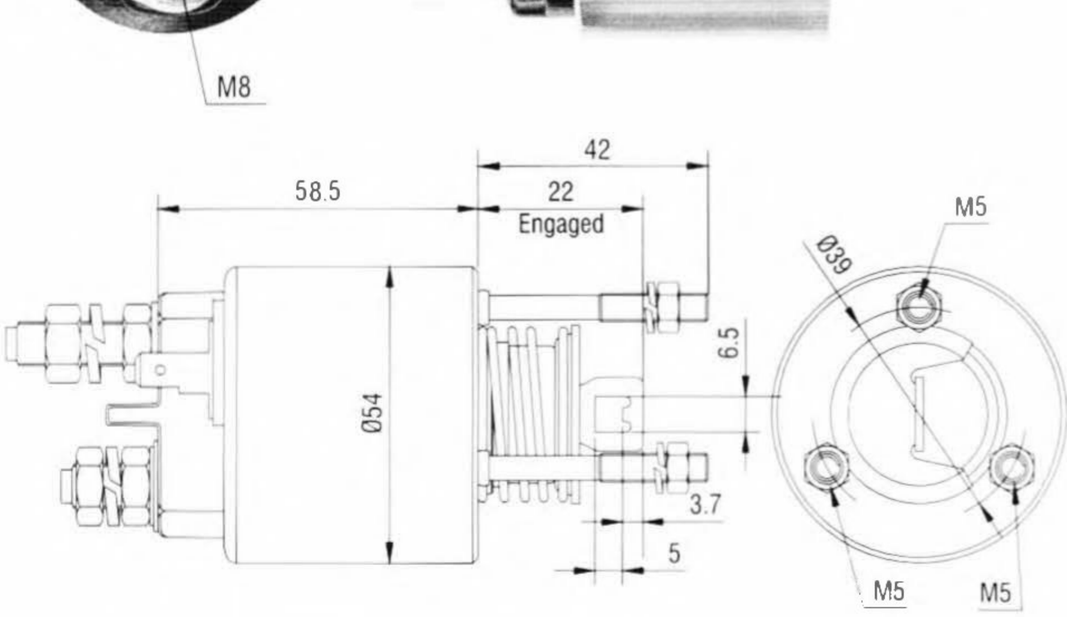
STARTERS:
Marelli: 632 235 38, 632 935 38.
Ford: 95FB-11000-BC, 95FB-11000-BD, 95FB-11000-BG.

OEM SOLENOID:
Marelli:
855 410 03

ZM 1-595 12V







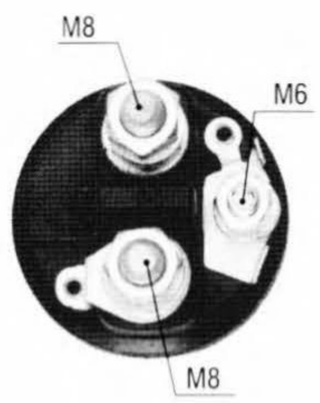
USED ON:
Fiat: Punto 90 1.6 (01.94-→03.97), Punto GT 1.4 (11.93→), Tipo 1.6, 2.0.

STARTERS:
Marelli: 632 229 00, 632 230 85, 632 233 03.

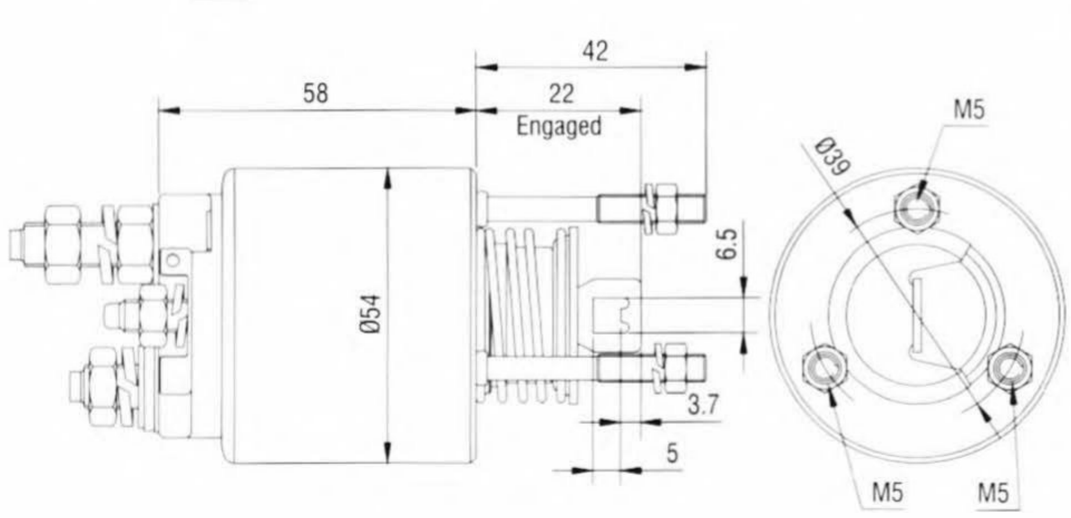
OEM SOLENOID:
Marelli:
855 409 61

ZM 2-595 12V

CAP ZM 2-595.96







USED ON:
Fiat: Palio 16V.

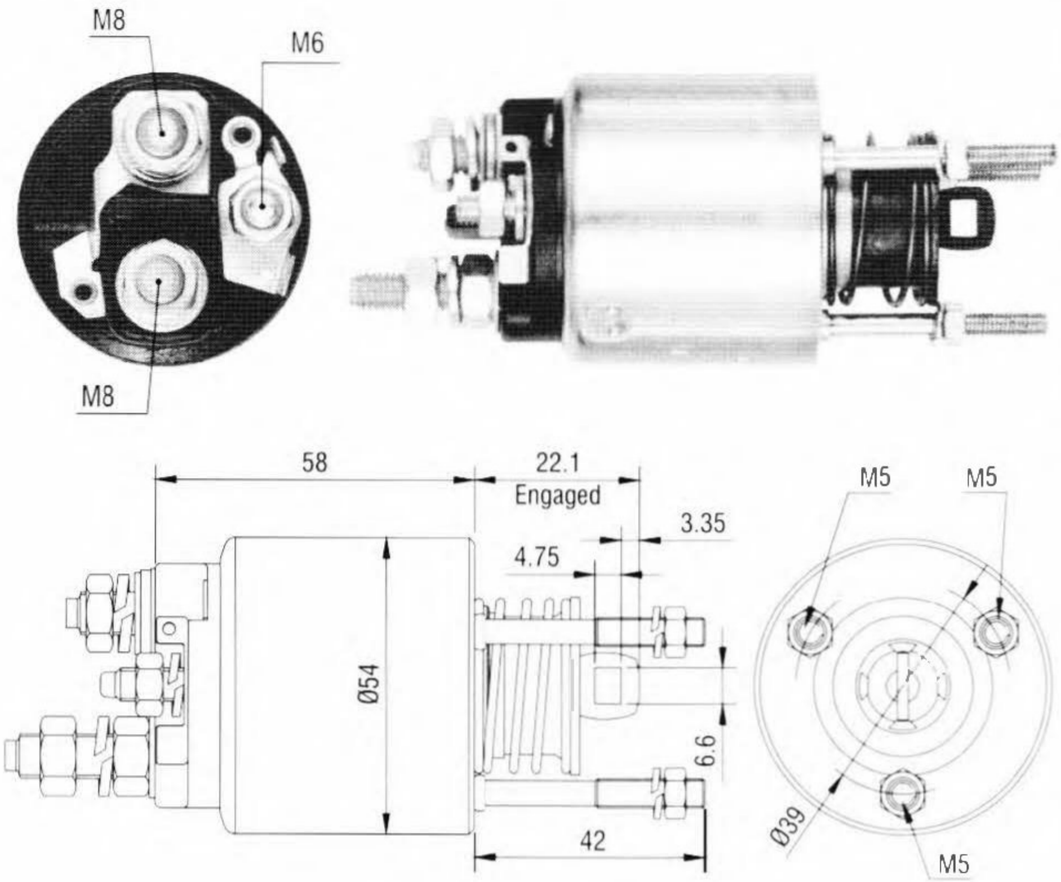
STARTERS:

OEM SOLENOID:
Fiat:
9947960

MARELLI

ZM 3-595 12V

CAP ZM 3-595.96

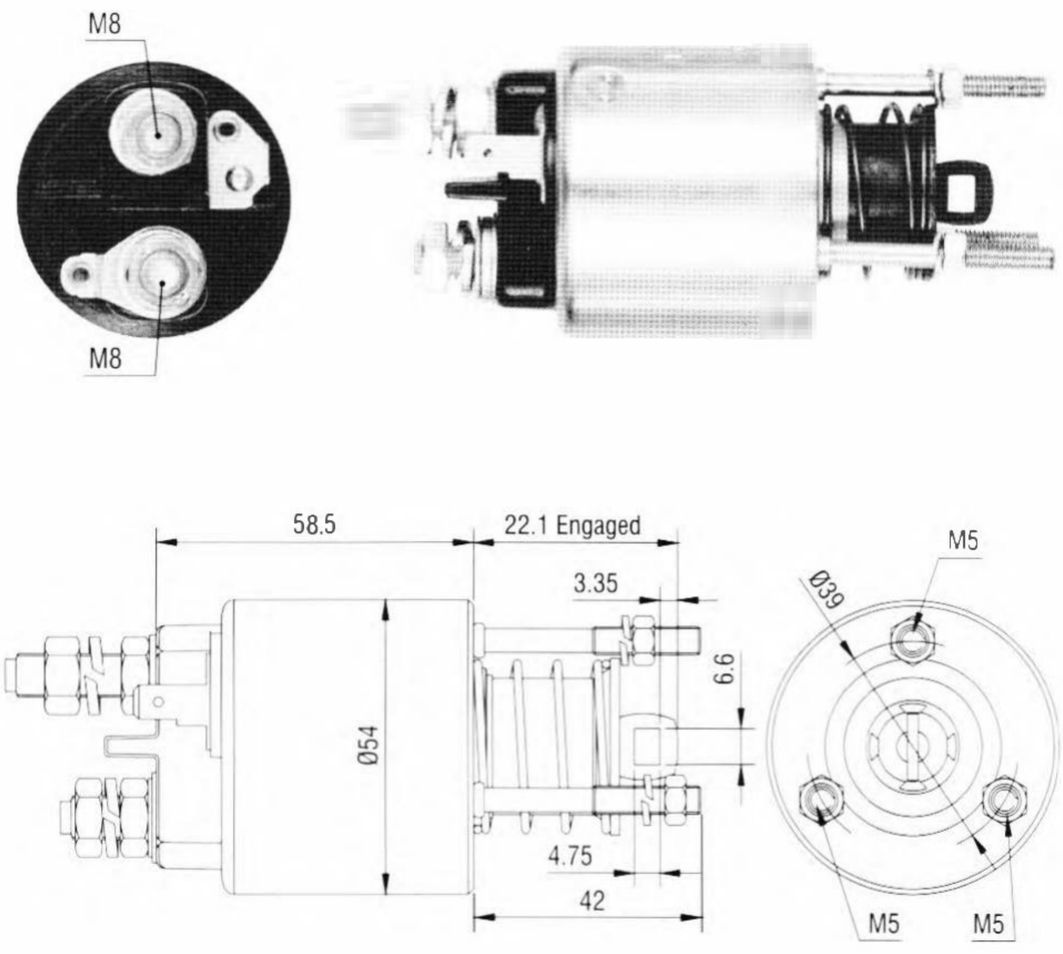


USED ON:
Fiat: Palio 1.0 e 1.5.

STARTERS:

OEM SOLENOID:
Fiat:
9947959

ZM 4-595 12V

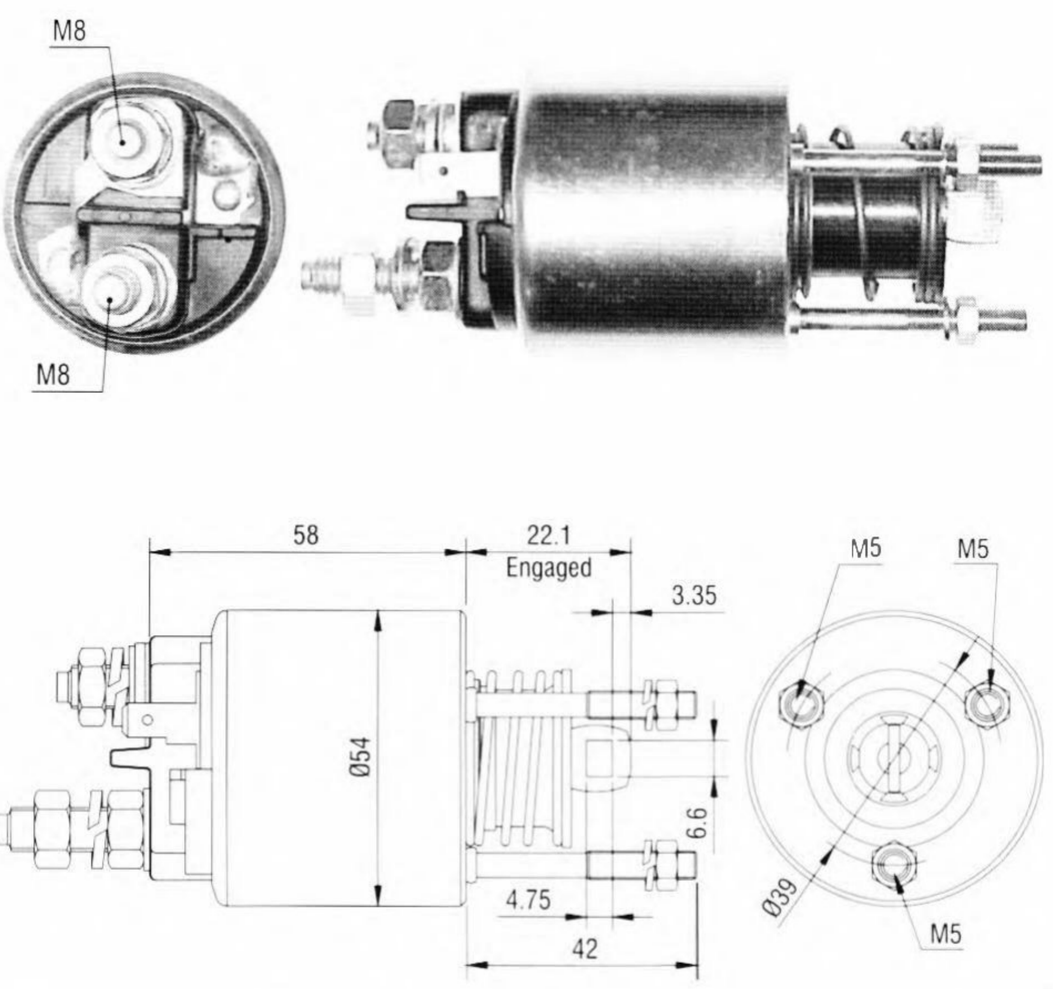


USED ON:
Fiat: Palio 1.6 SPI, 1.6 MPI.

STARTERS:

OEM SOLENOID:
Marelli:
855 409 81
Fiat:
9945630

ZM 6-595 12V

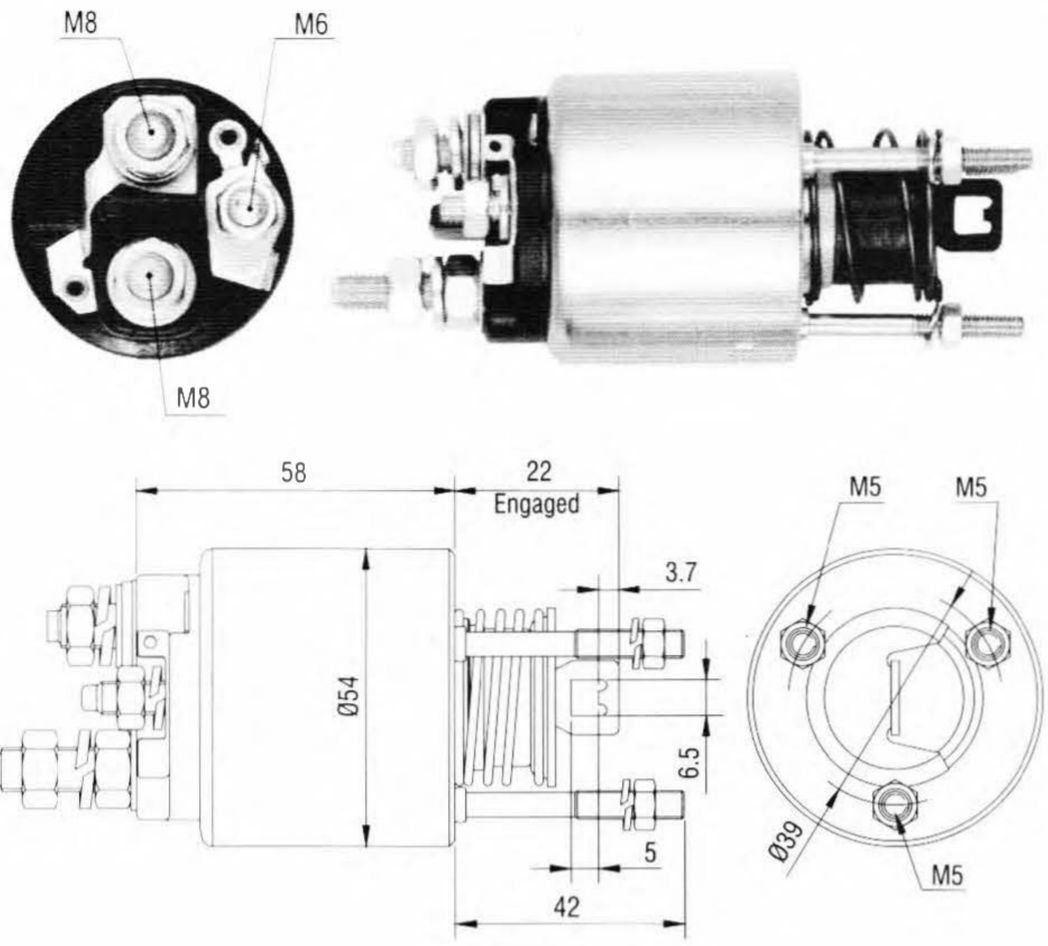


USED ON:
Fiat: Punto 55 1.1, 1.2, Punto 60 1.2, Punto 75 1.2, Panda, Uno, Seicento, Cinquecento Sporting.
Lancia: Y 1.2.

STARTERS:
Marelli: 632 228 89, 632 229 36, 632 231 09.

OEM SOLENOID:
Marelli:
855 409 81
Fiat:
9945557

MARELLI

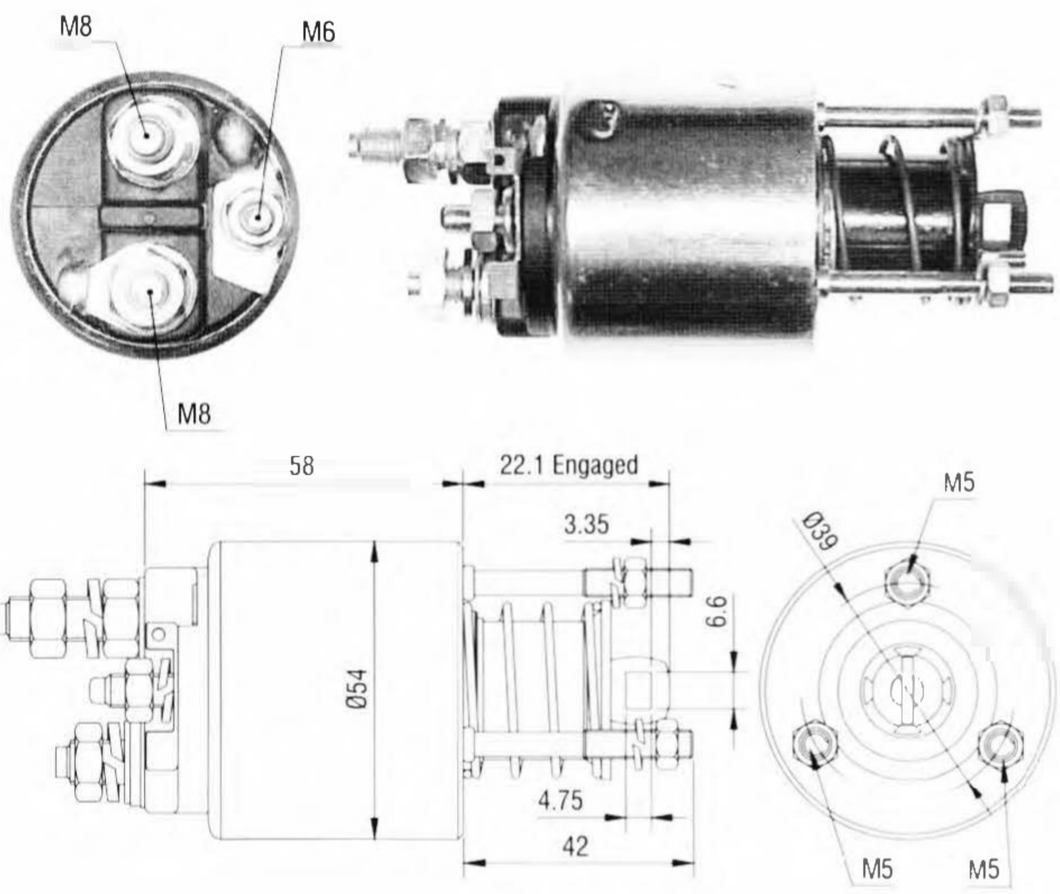


ZM 7-595 12V

USED ON:
Fiat: Brava 1.6 EL, 1.6 SX, Bravo 1.6 S, 1.6 SX, Cinquecento 1.1 Sporting, Marea 1.6i 16V, 1.6i 16V Weekend, Palio 1.1 i.e, Palio 75 1.2, Palio 1.6 16V, 1.6 16V Weekend, Panda 1100 i.e., 4x4, Punto 55 1.1, 1.2, Punto 60 1.2, Punto 75 1.2, Punto GT 1.4, GT 1.4 Turbo, Scudo 1.6, 1.6 Kasten.
Lancia: Y 1.2, Y10 1.1 i.e. Fire.

STARTERS:
Marelli: 631 010 00, 631 010 02, 631 020 03, 631 020 07, 632 229 09, 632 231 08, 632 232 00.

OEM SOLENOID:
Marelli:
855 410 10
855 414 00

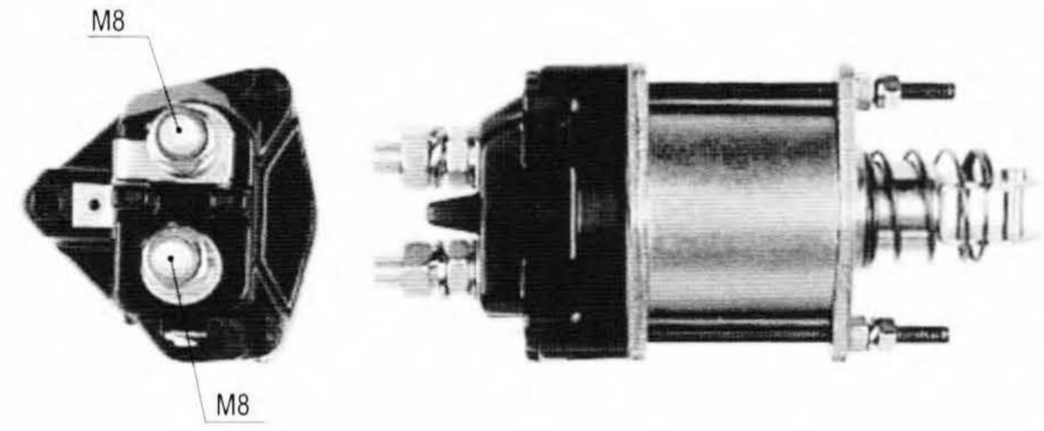


ZM 9-595 12V

USED ON:
Fiat: Brava 1.6 EL, 1.6 SX, Bravo 1.6 S, 1.6 SX, Cinquecento 900, 900i, 903, 903i.e., Marea 1.6i 16V, 1.6i 16V Weekend, Palio 1.6 16V, 1.6 16V Weekend, Punto 90 1.6, Punto GT 1.4, GT 1.4 Turbo, Scudo 1.6, 1.6 Kasten, Tempra 1.4 i.e., 1.6 i.e..
Lancia: Dedra, Delta.
Seat: Ibiza, Marbella.

STARTERS:
Marelli: 631 020 08, 631 030 02, 631 030 03, 631 030 07, 631 030 08, 631 031 08, 632 229 01, 632 229 08, 632 231 01.

OEM SOLENOID:
Marelli:
855 414 20



ZM 650 12V

CAP ZM 650.91

USED ON:
Fiat: 127 Berlina, Special - X 1/9, 128 Berlina, 3P, Familiare, Coupé, Special, Rally - 124 Berlina. **Autobianchi:** A112, E, Abarth - A111 - Primula. **OM:** BM 10. **Land Rover, Renault**.

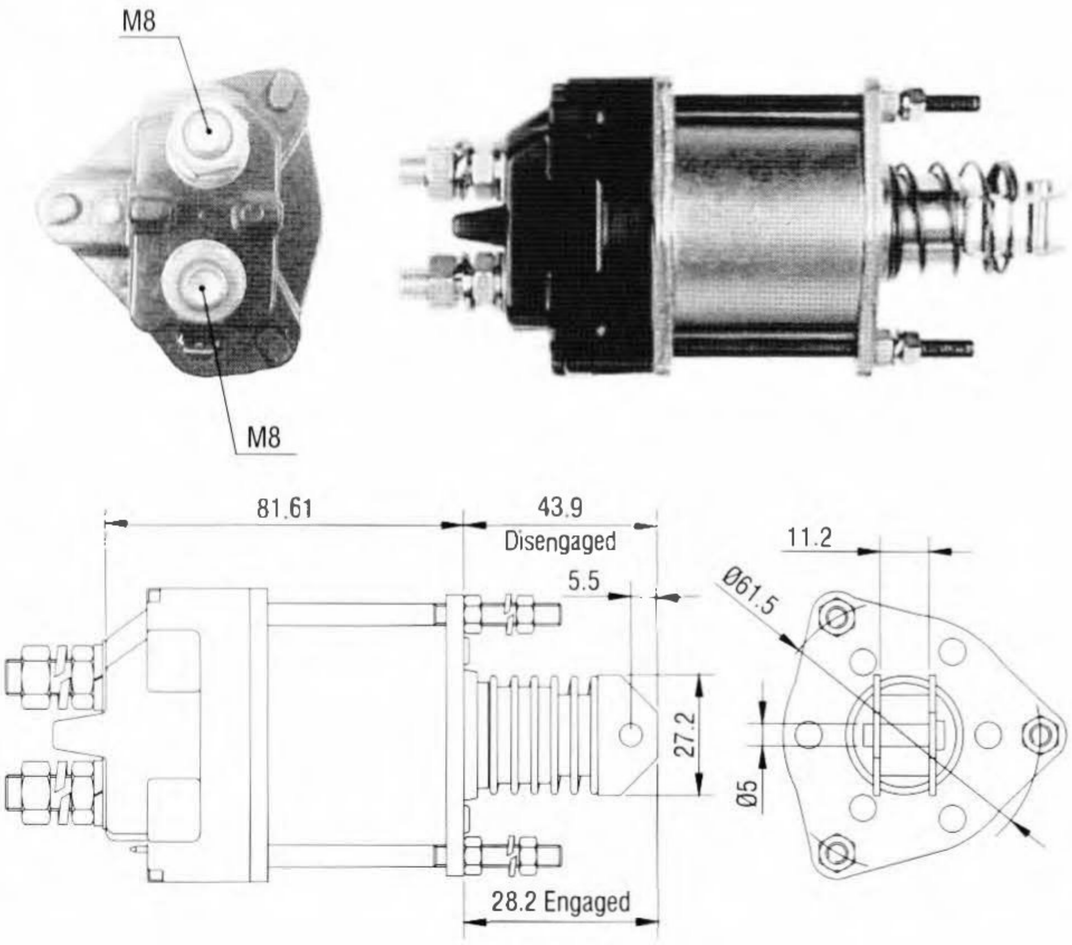
STARTERS:
Marelli: 632 253 99.
Fiat: 4198226, 4198600, 4229113, 4229114, 4474714.

OEM SOLENOID:
Marelli:
636 004 00
Fiat:
4189658

MARELLI

ZM 1-650 12V

CAP ZM 1-650.91



USED ON:
Fiat: 124 Special T, Sport, Spider 125 Berlina, Special 130 Berlina, Special 131 Berlina, Familiare 132 Berlina, Coupé, Dino Coupé.
Lada Vaz: 125.

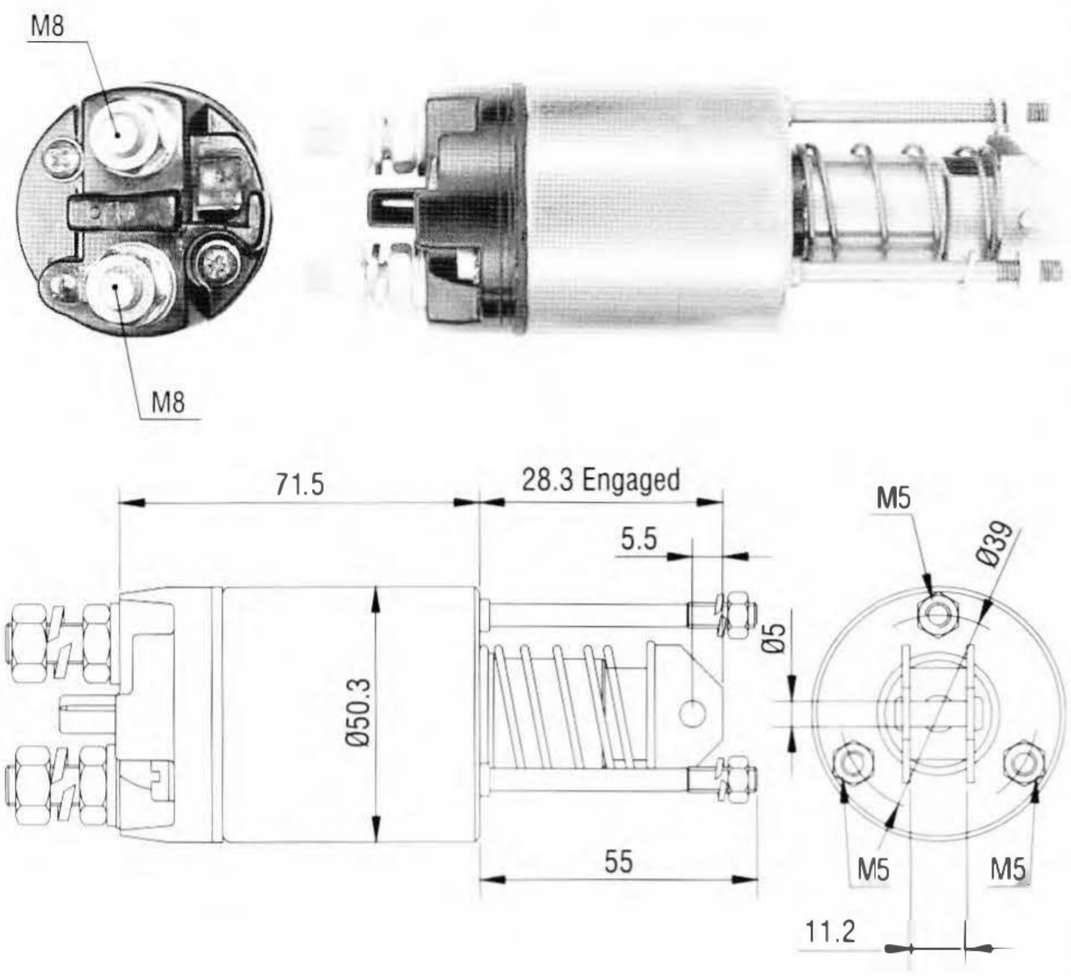
STARTERS:
Marelli: 632 224 00, 632 224 30, 632 227 00, 632 227 01, 632 227 30, 632 227 31.
Fiat: 4156064, 4162784, 4294494, 4294495, 4474746, 4474762.
Lada: 2101-370-8805.

OEM SOLENOID:

Marelli:	Lada:
636 005 07	2101-3708805
Fiat:	
4154106	

ZM 651 12V

CAP ZM 652.96



USED ON:
Fiat: Panda 1300 D, Uno 1.3 D, Uno 1.4 TD, Uno 1.7 D, Fiorino 1.7 D, Regata 1.7 D, Ritmo 1.7 D, Tipo 1.7 D.

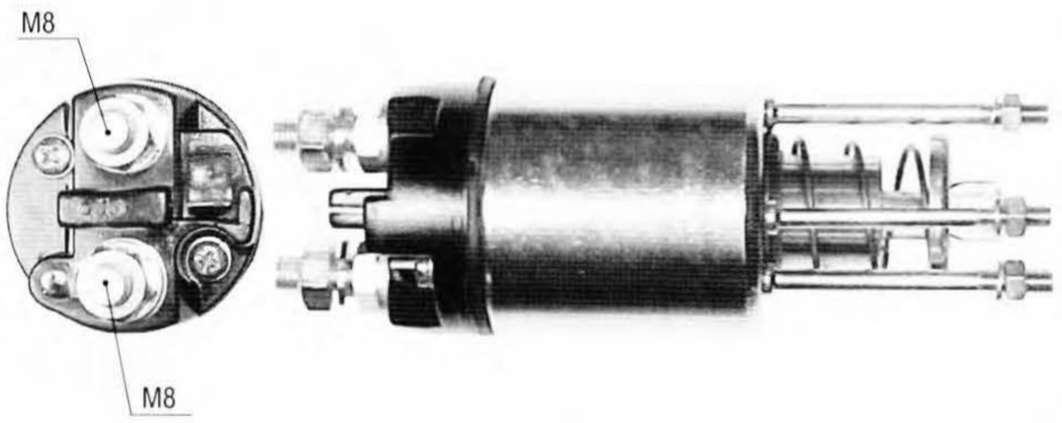
STARTERS:
Marelli: 632 214 05, 632 214 06, 632 214 35, 632 214 36, 632 215 30, 632 215 33, 632 215 36, 632 216 35, 632 232 03, 632 232 35, 632 232 36, 632 232 37, 632 232 38, 632 232 39, 632 233 30, 632 233 31.

OEM SOLENOID:
Marelli:

636 009 01	855 405 61
855 303 30	**Fiat:**
855 400 01	9938390

ZM 3-651 12V

CAP ZM 652.96



USED ON:
Fiat: Tempra 1.4, 1.6, i.e., Tipo 1.4, i.e., 1.6, 2.0, Uno 70, 70i.e., Cinquecento 900, 900i, 903, 903i.e..
Lancia: Dedra 1.6i.e. SPI.

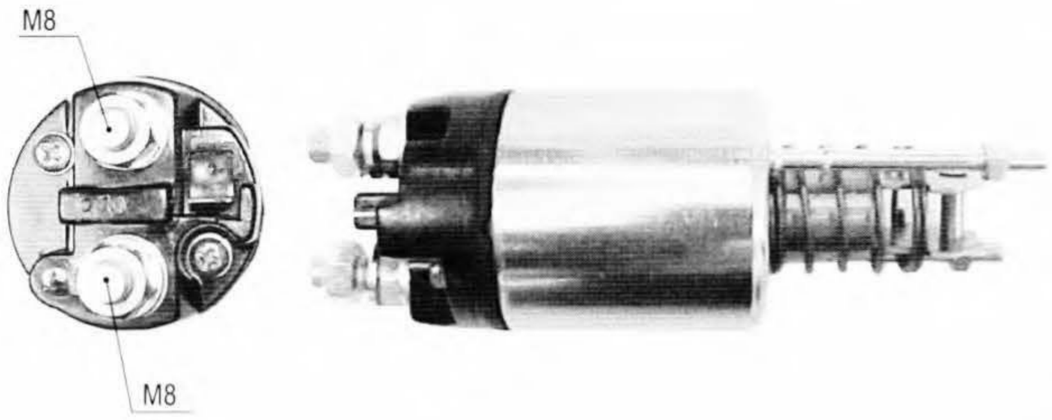
STARTERS:
Marelli: 632 228 31, 632 228 32, 632 228 33, 632 228 36, 632 228 37, 632 230 31, 632 230 32.

OEM SOLENOID:

Marelli:	Fiat:
855 404 71	9941308
	9942333

ZM 4-651 12V

CAP ZM 652.96



USED ON:
Fiat: Panda 30, L, CS, S (652 cc), 127 TT, Duna 60, 70, Uno Turbo, Regata.
Lancia: Beta 1400, 1600, 1800, Trevi 2.0.

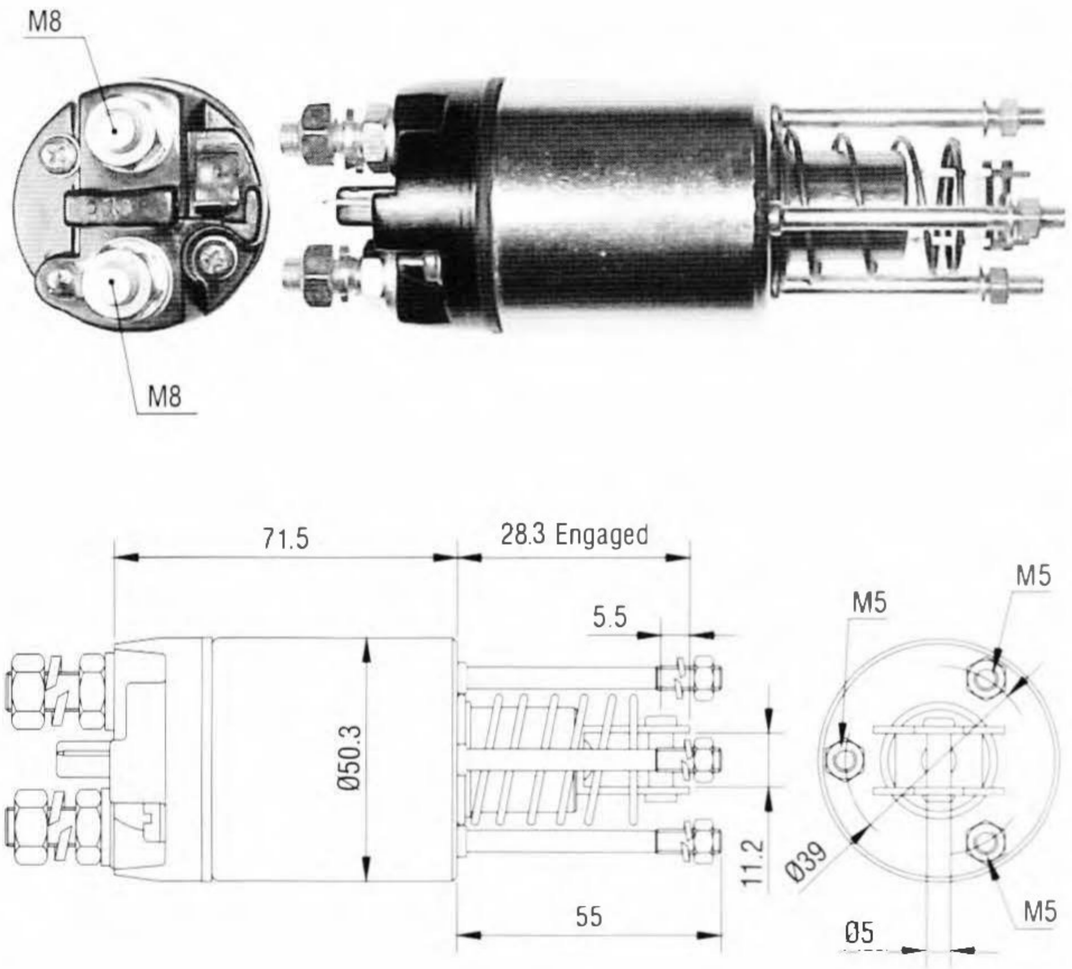
STARTERS:
Marelli: 632 205 06, 632 205 36, 632 209 01, 632 209 31, 632 213 08, 632 213 09, 632 213 38, 632 214 04, 632 214 31, 632 214 34, 632 216 37.

OEM SOLENOID:

Marelli:	Fiat:
636 008 02	9936623
855 300 10	
855 405 91	

ZM 5-651 12V

CAP ZM 652.96



USED ON:
Fiat: Regata, Croma, Lancia Thema, Prisma TD.

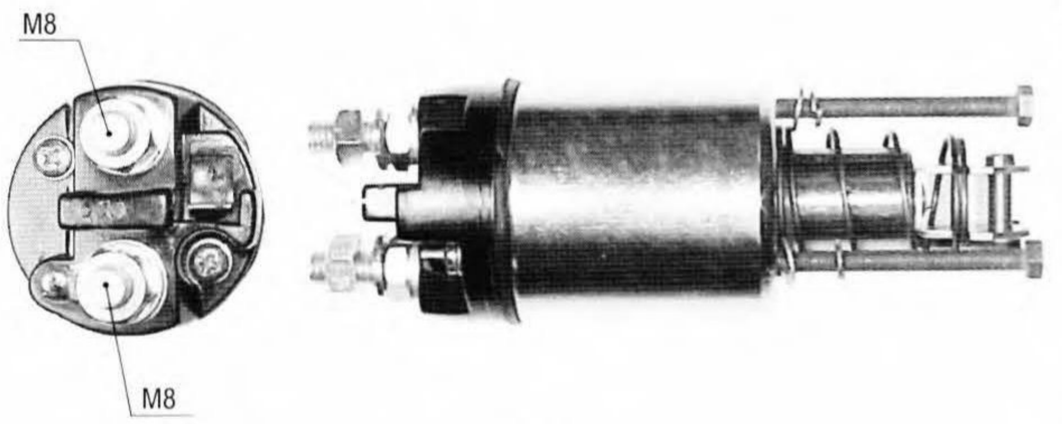
STARTERS:
Marelli: 632 209 32, 632 214 00, 632 214 30, 632 214 33, 632 214 38, 632 215 31, 632 215 32, 632 215 34, 632 215 38, 632 215 39, 632 216 31, 632 216 32, 632 216 36, 632 217 31.

OEM SOLENOID:

Marelli:	Fiat:
636 009 04	9938442
855 302 20	
855 400 41	

ZM 6-651 12V

CAP ZM 652.96



USED ON:
Alfa Romeo: Alfa 145 1.9 TD, Alfa 146 1.9 TD, Alfa 155 1.9 TD.
Fiat: Croma 2.5 D, 2.5 TD, Marengo 2000 D, Regata 1.9 D, 1.9 D Super, 1.9 TD, Regata Weekend 1.9 TD, Talento 1.9 D, Tempra 1.9 D, 1.9 TD, Tipo 1.9 D, 1.9 TD. **Lancia:** Dedra 1.9 TDS, Thema 2.5 TD.

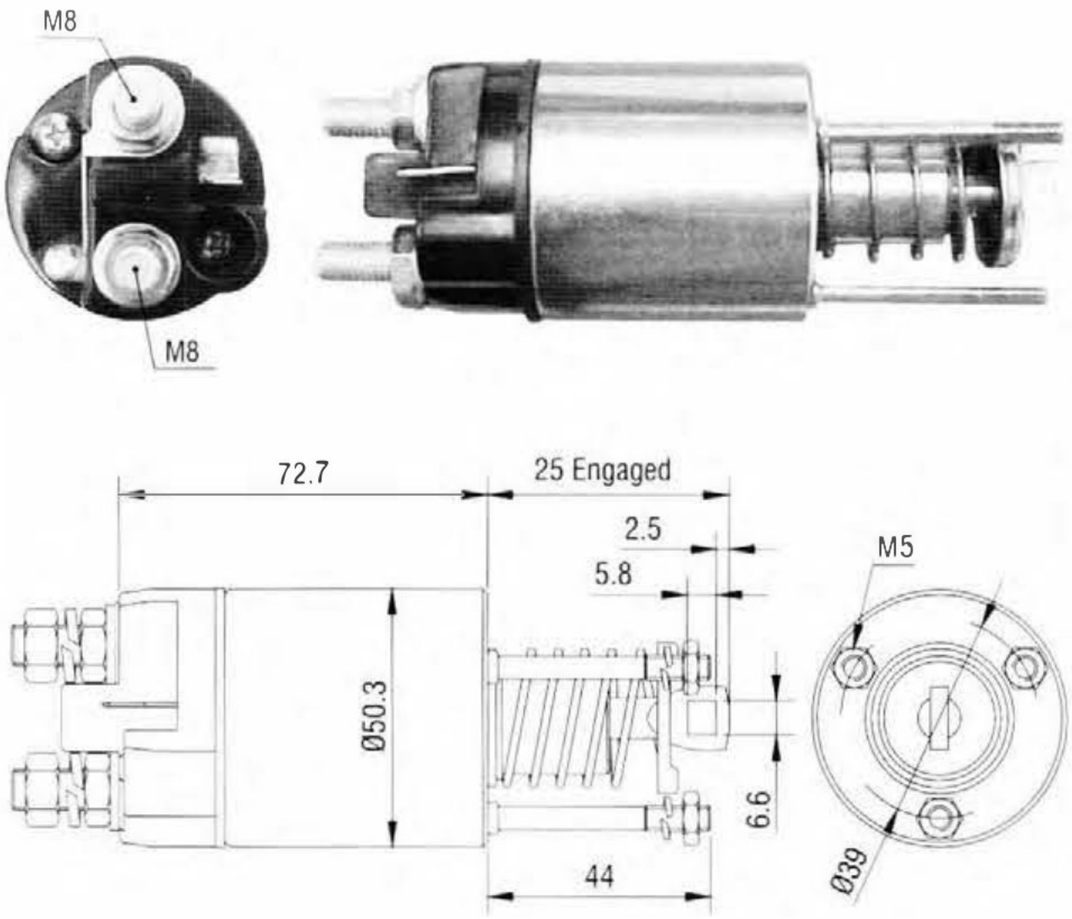
STARTERS:
Marelli: 632 218 31, 632 220 30, 632 220 31, 632 220 34, 632 220 36, 632 220 38, 632 220 39, 632 221 30, 632 221 33, 632 221 34.

OEM SOLENOID:
Marelli:
855 405 81
Fiat:
9941461

MARELLI

ZM 7-651 12V

CAP ZM 7-651.96



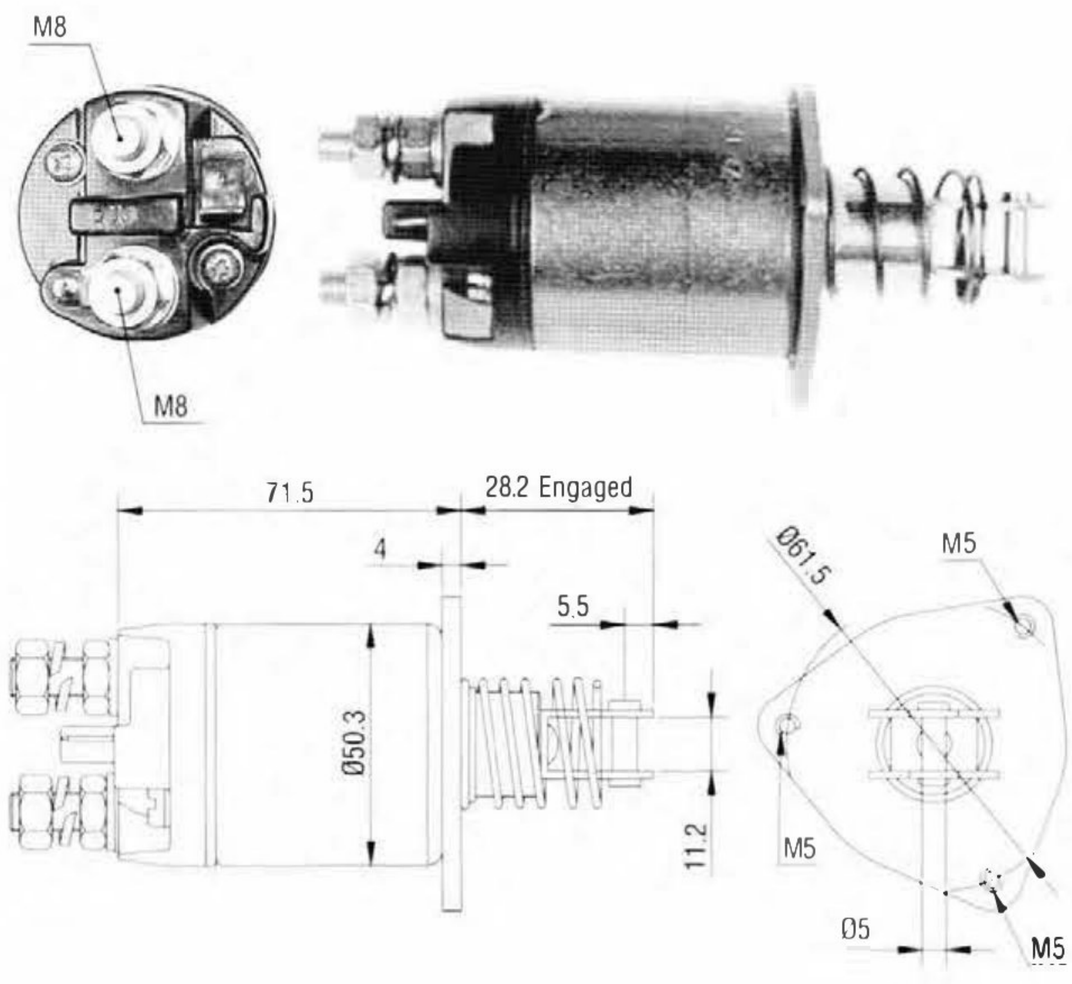
USED ON:
Fiat: Panda 750 (09.86→12.92), 1000, i.e. (09.86→04.92), 1000 4x4 (10.87→12.92), 1100i.e., 1100 4x4 (10.91→), Tipo 1.1 (07.87→03.93), Uno 1.1, 50i.e., 60 (09.89→09.92), Uno 45, 45i.e., 45 Fire, 1000, 1.0 (03.83→10.92).
Autobianchi: Y 10 Touring, Turbo (03.84→12.88), Y 10 1.1i.e. 4WD (09.92→01.95), Y 10 Fire (03.85→09.92).
Lancia: Y 10 Fire (03.85→00.97), Y 10i.e. '89 (10.87→00.97).

STARTERS:
Marelli: 632 218 30.

OEM SOLENOID:
Marelli:
855 400 71

ZM 652 12V

CAP ZM 652.96



USED ON:
Fiat, Autobianchi, Lancia, Seat, Zastawa.

STARTERS:
Marelli: 632 060 02, 632 060 03, 632 070 01, 632 204 00, 632 204 02, 632 204 03, 632 204 08, 632 204 09, 632 204 30, 632 204 38, 632 204 39, 632 204 40, 632 205 07, 632 205 37, 632 205 38, 632 207 00, 632 207 01, 632 207 02, 632 207 03, 632 207 04, 632 207 05, 632 207 06, 632 207 20, 632 207 21, 632 207 23, 632 207 24, 632 207 26, 632 207 30, 632 207 31, 632 207 32, 632 207 33, 632 207 34, 632 207 35, 632 207 36, 632 207 40, 632 207 41, 632 207 43, 632 207 44, 632 207 45, 632 207 46.

OEM SOLENOID:
Marelli:

636 004 03	855 302 80	855 407 21	4475093	9938503
636 004 83	855 302 90	**Fiat:**	4475095	9938576
636 004 93	855 402 81	4475085	9935727	

ZM 654 12V

CAP ZM 655.96



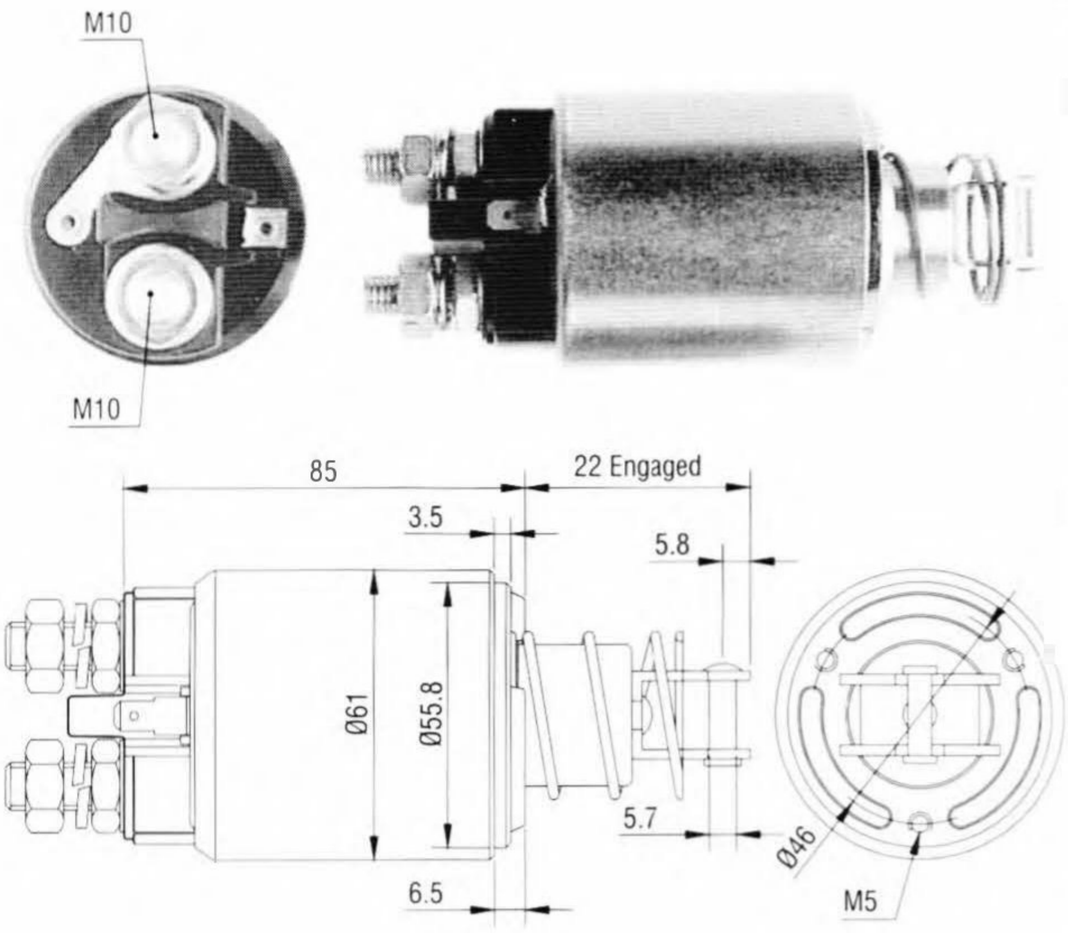
USED ON:
Fiat Diesel, Fiat Allis, Alfa Romeo, Iveco Daily, Om Grinta and Renault.

STARTERS:
Marelli: 632 161 97, 632 168 15, 632 168 27, 632 168 31, 632 168 33, 632 168 59, 632 168 74, 632 168 96, 632 168 98, 632 171 18, 632 171 19, 632 171 20, 632 171 21, 632 171 25, 632 171 26, 632 171 47, 632 171 48, 632 171 54, 632 171 88, 632 174 10.

OEM SOLENOID:

Marelli:		**Fiat:**	
636 338 01	855 400 11	79036683	9986144
636 338 25	855 402 21	7980335	9957705
636 938 01		9936770	

MARELLI



ZM 655 12V

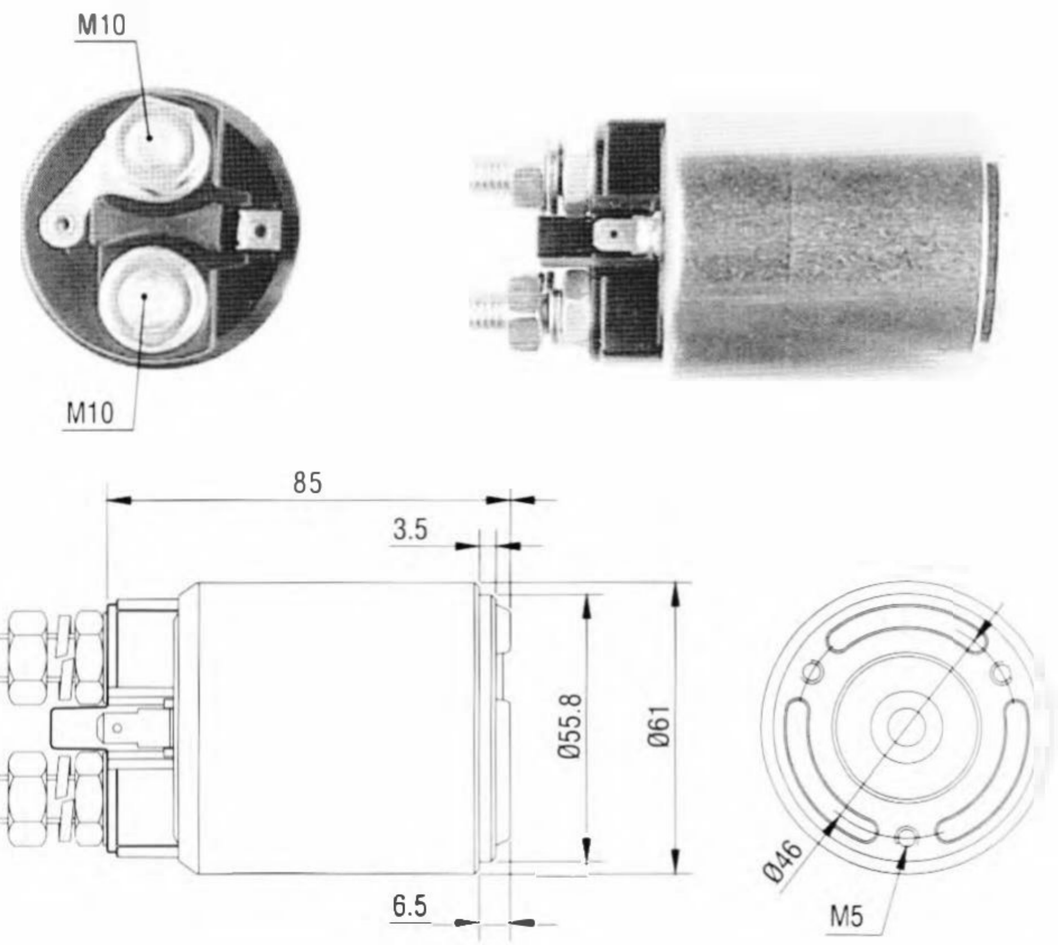
CAP ZM 655.96

USED ON:
Fiat Diesel, Fiat Allis, Alfa Romeo, Iveco Daily, Om Grinta and Renault.

STARTERS:
Marelli: 632 161 97, 632 168 15, 632 168 27, 632 168 31, 632 168 33, 632 168 59, 632 168 74, 632 168 96, 632 168 98, 632 171 18, 632 171 19, 632 171 20, 632 171 21, 632 171 25, 632 171 26, 632 171 47, 632 171 48, 632 171 54, 632 171 88, 632 174 10.

OEM SOLENOID:

Marelli:		Fiat:	
636 338 01	855 400 11	79036683	9986144
636 338 25	855 402 21	7980335	9957705
636 938 01		9936770	



ZM 656 24V

CAP ZM 655.96

USED ON:
Fiat Allis and Marelli 4.0 Kw DD Starters.

STARTERS:
Marelli: 632 167 27, 632 167 31, 632 167 33, 632 167 40, 632 167 41, 632 172 25, 632 172 26.

OEM SOLENOID:

Marelli:		Fiat:
636 339 01	636 339 33	79036685
636 339 02	855 402 11	7980336
636 339 25		9986109



ZM 657 24V

CAP ZM 655.96

USED ON:
Fiat Allis and Marelli 4.0 Kw DD Starters.

STARTERS:
Marelli: 632 167 27, 632 167 31, 632 167 33, 632 167 40, 632 167 41, 632 172 25, 632 172 26.

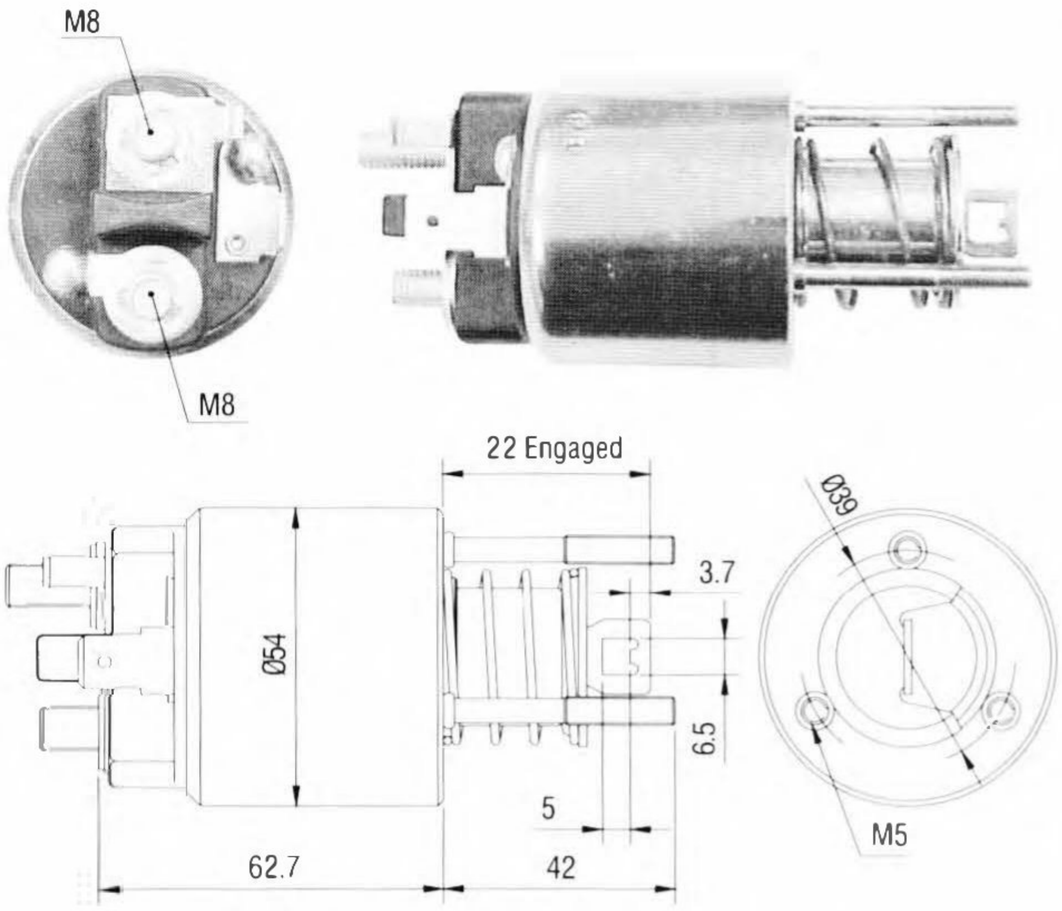
OEM SOLENOID:

Marelli:		Fiat:
636 339 01	636 339 33	79036685
636 339 02	855 402 11	7980336
636 339 25		9986109

MARELLI

ZM 1-395 12V

CAP ZM 1-395.91



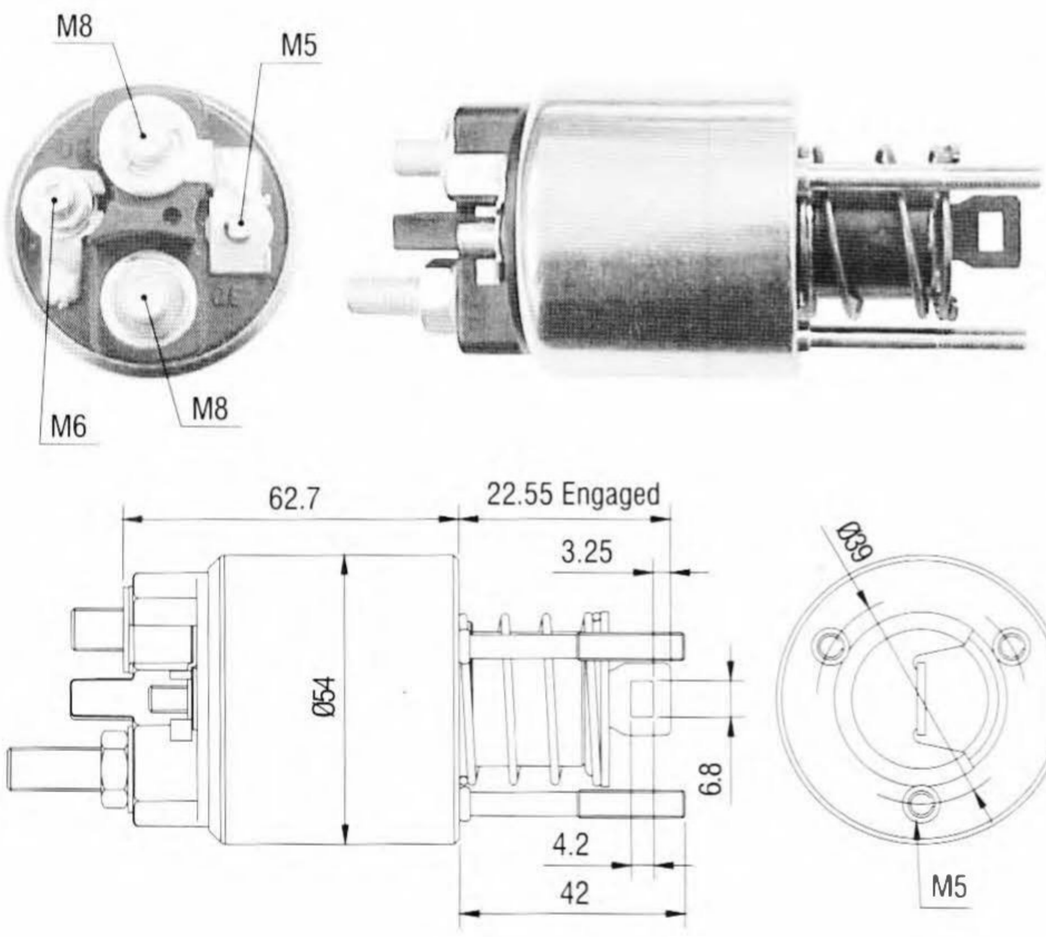
USED ON:
Rover Group: Metro 1.1, 1.4 (01.90→00.95), Rover 111, 114 (01.90→00.98), Rover 211 (00.98→), Rover 214 1.4 8, 16V (01.90→), Rover 216 1.6 16V(07.95→), Rover 414 1.4 8, 16V (01.90→00.97), Rover 416 (1589cc) (07.95→00.97).

STARTERS:
Marelli: 632 231 03, 632 231 04.
Rover: NAD101070, NAD101080.

OEM SOLENOID:
Marelli:
855 411 10
855 411 11

ZM 2-395 12V

CAP ZM 2-395.91



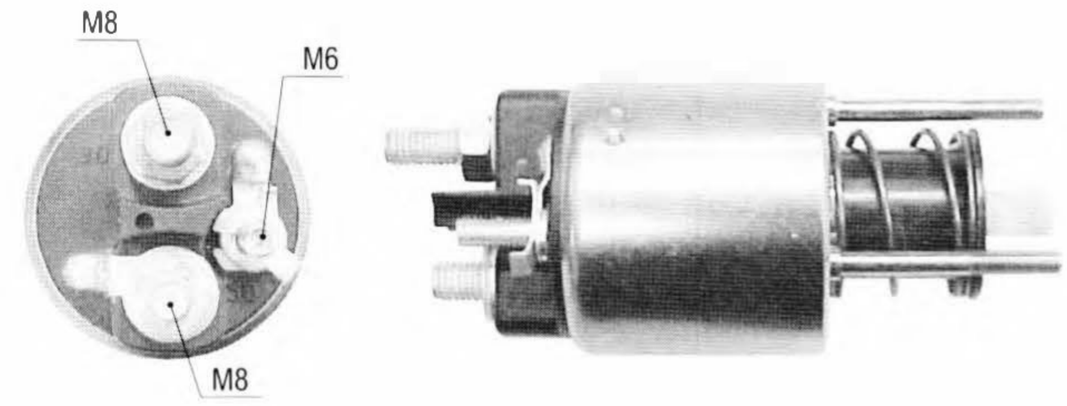
USED ON:
BMW: Z3 1.8i [M43B18], 1.9i 16V [M44B19] (01.96→), Z3 2.8 (11.96→), 316i [E46] (01.99→), 318i, iS, i Touring [E36] [M43B18] (07.95→), 318i 1.9 [E36] [M43B19] (07.95→), 323i (06.95→), 328i 2.8 [E36] [M52B28] (03.95→), 518G 1.8 [34] [M43B18] (11.95→12.95), 520i [39] [M52] (01.96→), 523i [39] [M52B] (09.95→),528i [E39] [M52B28] (09.95→), 728i [38] [M52B28] (09.95→).

STARTERS:
Marelli: 631 110 06, 632 235 37, 632 935 37.
BMW: 1241 1 740 373.

OEM SOLENOID:
Marelli:

ZM 3-395

CAP ZM 2-595.91



USED ON:
Fiat: Ducato 2.8 TDi (01.97→).
Iveco: Daily 35.10 3.0 Turbo, 35.10 3.0 Turbo (01.97→).

STARTERS:
Marelli: E95RL, 631 140 14.
Iveco: 131955508.

OEM SOLENOID:
Marelli:

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponivel para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.

Available for new items.
Disponível para novos itens.