

**TOTALSOURCE®**



- All work performed to current OEM specifications
- Core credits are processed in a fair and timely manner
- 1 year / Unlimited hours warranty – 90 days on oil leaks
- Industry leading engine packaging for safe and efficient engine transportation
- All technicians are A.S.E. certified

NOTE: Reman engines are sold as longblocks (valve cover to oil pan) no accessories unless otherwise noted. The contents remaining in the overhaul gasket set are shipped with the engine.

- Todo trabajo es realizado a las especificaciones actuales del fabricante original
- El crédito por el casco es procesado de una manera justa y eficiente
- Garantía de 1 año / ilimitado horas – 90 días para fugas de aceite
- Empaquetamiento de motor líder en la industria para el transporte seguro y eficiente de motores
- Todos los técnicos están certificados en A.S.E.

NOTA: Motores reconstruidos se venden como bloques largos (cubierta de válvula y receptáculo de aceite). Los accesorios no vienen incluidos a menos que se indique lo contrario. El resto del contenido del conjunto de juntas que sobran durante la revisión se envía junto con el motor.

- Tout le travail est fait selon les spécifications actuelles du fabricant d'origine
- Les crédits de base sont traités de façon équitable et efficace
- 1an/ Illimité heures de garantie - 90 jours pour les fuites d'huiles
- Leader dans l'industrie pour le conditionnement des moteurs, pour un transport sécuritaire et efficace
- Tous les techniciens sont certifiés A.S.E.

REMARQUE: Les moteurs d'occasions remanufacturés sont vendus comme les longblocks (cache-soupape à carter d'huile). Pas d'accessoires inclus, sauf indication contraire. Le reste du contenu dans le kit de joints est livré avec le moteur.

FORD

Part #	Description
TSA/FDVSG411-R	Ford: VSG411I Non-distributor style
TSA/FDVSG413-R	Ford: VSG413I Non-distributor style



Part #	Description
TSA/FDLRG423-R	Ford: LRG423R
TSA/FDLRG425-R	Ford: LRG425R



GM

Part #	Description
TSA/GM153-R	GM: 153
TSA/GM181-1-R	GM: 181 (1 Piece - rear) GM181-1R
TSA/GM181-2-R	GM: 181 (2 Piece) Two piece rear main seal
TSA/GM181-R	GM: 181 (1 Piece - front) Front sump oil pan
TSA/GM181-TOY-R	GM: 181 Toyota Toyota spec - uses crank bolt
TSA/GM2.2-R	GM: 2.2 Used by Hyster & Yale
TSA/GM250-R	GM: 250



Part #	Description
TSA/GM4.3NB-R	GM: 4.3 V6 Old Style Steel valve covers, steel timing cover, steel oil pan, no intake manifold
TSA/GM4.3A-R	GM: 4.3 V6 Vortec Plastic valve covers, aluminum front cover with crank sensor
TSA/GM4.3-TOY-R	GM: 4.3 V6 Toyota Plastic valve covers, plastic front cover w/out crank sensor, aluminum oil pan
TSA/GM4.3EV-R	GM: 4.3 V6 Early Style Plastic valve cover, 6 bolt intake manifold, tin oil pan
TSA/GM4.3-R	GM: 4.3 V6 Vortec Plastic valve covers, plastic front cover w/out crank sensor
TSA/GM4.3S-R	GM: 4.3 V6 Vortec Plastic valve covers, plastic front cover with crank sensor
TSA/GM4.3A-TOY-R	GM: 4.3 V6 Toyota Plastic valve covers, aluminum front covers with crank sensor



HERCULES

	Part #	Description
	TSA/HE1404-HER-R	Hercules: G1600 Includes Komatsu spec front cover
	TSA/HE1404-R	Caterpillar: 1404 Includes Caterpillar spec front cover

MAZDA

	Part #	Description		Part #	Description
	TSA/MZD5-R	Mazda: D5		TSA/MZFEL-R	Mazda: FE-LN 2.0 (Long Nose) Long keyed crankshaft nose, includes water pump
	TSA/MZF2SAL-R	Mazda: F2SA 2.2 (Long Nose) Long crankshaft nose - hyd pump runs off of front pulley, includes water pump		TSA/MZFEP-R	Mazda: FE 2.0 (Pin Type) Pin type crankshaft nose, includes water pump
	TSA/MZF2SA-R	Mazda: F2SA 2.2 (Short Nose) Short crankshaft nose - hyd pump runs off of transmission, includes water pump		TSA/MZFES-1-R	Mazda: FE 2.0 (Short Nose) Short keyed crankshaft nose, includes water pump, fits Hyster FT and Yale VX trucks
	TSA/MZF2SM-R	Mazda: F2SM Timing chain style - TCM spec		TSA/MZUAPTO-R	Mazda: UA-PTO PTO style front cover
				TSA/MZVA1-R	Mazda: VA-PTO PTO style front cover

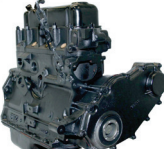
MITSUBISHI

	Part #	Description		Part #	Description
	TSA/MB4G32-R	Mitsubishi: 4G32 Includes water pump		TSA/MB4G54-R	Mitsubishi: 4G54 Non-balanced version
	TSA/MB4G33-R	Mitsubishi: 4G33 Includes water pump		TSA/MB4G63B-R	Mitsubishi: 4G63 Balanced Clark/Doosan/Hyundai spec balanced; includes water pump
	TSA/MB4G52-R	Mitsubishi: 4G52		TSA/MB4G64B-R	Mitsubishi: 4G64 Balanced Clark/Doosan/Hyundai spec balanced; includes water pump
	TSA/MB4G54B-R	Mitsubishi: 4G54 Balanced Clark spec - hump on the side of the engine block for balance shaft			

MITSUBISHI

Part #	Description	Part #	Description
	TSA/MB4G63NB-R Mitsubishi: 4G63 Caterpillar/ Mitsubishi spec - non-balanced Includes water pump		TSA/MBS4S-R Mitsubishi: S4S Includes complete fuel system
	TSA/MB4G64NB-R Mitsubishi: 4G64 Caterpillar/ Mitsubishi spec - non-balanced Includes water pump		TSA/MBS6S-R Mitsubishi: S6S Includes complete fuel system
	TSA/MB6G72-R Mitsubishi: 6G72 Includes water pump No intake manifold		TSA/MBS6ST-R Mitsubishi: S6S Turbo Includes complete fuel system

NISSAN

Part #	Description	Part #	Description
	TSA/NIA15-R Nissan: A15 TCM spec front cover		TSA/NIH20S-R Nissan: H20 Two bolt t-stat. Ships without front cover assy, front cover gaskets supplied
	TSA/NIH20-3-R Nissan: H20 Three bolt t-stat. Ships without front cover assy, front cover gaskets supplied		TSA/NIJ15-R Nissan: J15 Center motor mount version only, includes front cover
	TSA/NIH20-II-R Nissan: H20-II Ships without front cover assy, front cover gaskets supplied		TSA/NIK21-R Nissan: K21 Includes PTO style front cover
	TSA/NIH25-R Nissan: H25 Ships without front cover assy, front cover gaskets supplied		TSA/NIK25-R Nissan: K25 Includes PTO style front cover
	TSA/NIH20K-R Nissan: H20-K Two bolt t-stat. Oil filter screws directly onto engine block, ships without front cover, front cover gaskets supplied		TSA/NIP40-R Nissan: P40 Ships without front cover assy, front cover gaskets supplied

NISSAN

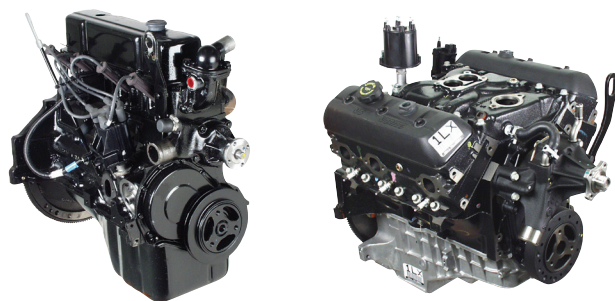
	Part #	Description		Part #	Description
	TSA/NITB42-43-R	Nissan: TB42 43mm crank nose		TSA/NITB45-R	Nissan: TB45E
	TSA/NITB42-R	Nissan: TB42 35mm crank nose			

PEUGOUT

	Part #	Description		Part #	Description
	TSA/PGXN1P-R	Peugout: XNIP		TSA/TY4Y-R	Toyota: 4Y Ships without front cover assy, front cover gaskets supplied

TOYOTA
ADDITIONAL ENGINES AVAILABLE LOS MOTORES DISPONIBLES ADICIONALES D'AUTRES MOTEURS DISPONIBLES

Part #	Description	Part #	Description	Part #	Description
TSA/CNF163-R	Continental: F163	TSA/MZVA2-R	Mazda: VA	TSA/TY13Z-R	Toyota: 13Z diesel
TSA/CNF227-R	Continental: F227	TSA/NIH30-R	Nissan: H30 Ships without front cover assy, front cover gaskets supplied	TSA/TY1DZ-2-R	Toyota: 1DZ-II diesel
TSA/FD172-R	Ford: 172G	TSA/PK1004.42-R	Perkins: 1004.42 diesel	TSA/TY1DZ-R	Toyota: 1DZ diesel
TSA/FD300-R	Ford: 300	TSA/PK1004-R	Perkins: 1004 diesel	TSA/TY1Z-R	Toyota: 1Z diesel
TSA/GM1.6-R	GM: 1.6	TSA/PK1006-R	Perkins: 1006 diesel	TSA/TY2F-R	Toyota: 2F
TSA/GM2.4-R	GM: 2.4	TSA/PK1104-R	Perkins: 1104	TSA/TY3F-R	Toyota: 3F
TSA/HE1404-LV-R	Hercules: G1600 Daewoo (LG) Daewoo spec front cover - large valve cylinder head	TSA/PK4.236DB-R	Perkins: 4.236 diesel bal- anced	TSA/TY4P-LATE-R	Toyota: 4P
TSA/HE1404-SV-R	Hercules: G1600 Daewoo (SM) Daewoo spec front cover - small valve cylinder head	TSA/PK4.236D-R	Perkins: 4.236 diesel	TSA/TY4P-R	Toyota: 4P
TSA/KBDF750-R	Kubota: 750	TSA/PK4.236GB-R	Perkins: 4.236 gas balanced	TSA/TY5R-1-R	Toyota: 5R-late Engine serial # 1602811 and up
TSA/MBS4E-R	Mitsubishi: S4E	TSA/PK4.236G-R	Perkins: 4.236 gas	TSA/TY5RC-R	Toyota: 5R
TSA/MBS6E-R	Mitsubishi: S6E Includes complete fuel system	TSA/PK4.248D-R	Perkins: 4.248 diesel	TSA/TY5R-R	Toyota: 5R-early
TSA/MBS6ER-2-R	Mitsubishi: S6E-2 Includes complete fuel system	TSA/PK6.354-R	Perkins: 6.354 diesel	TSA/WKD155-R	Waukesha: D155G
TSA/MZUA-R	Mazda: UA	TSA/TY11Z-R	Toyota: 11Z diesel	TSA/WKD176-R	Waukesha: D176G



- Designed to work with gasoline, liquid propane gas and natural gas
- Common rear face on most GM Powertrain industrial engines for easy hookup with housing
- Dynamically balanced at hot test

- Diseñados para que funcionen con gasolina, gas propano en liquido y gas natural
- La cara posterior es común en la mayoría de motores industriales, GM powertrain para facilitar su conexión
- Equilibrado dinámicamente en la prueba de manejo

- Conçu pour fonctionner à l'essence, au propane et au gaz naturel
- La face arrière est commune à la plupart des moteurs industriels GM Powertrain afin de faciliter le raccordement
- Equilibre dynamique lors des tests

Part #	Description
TSA/GM3.0L	New 3.0L
TSA/GM3.0L-TOYOTA	New Toyota
TSA/GM4.3L	New
TSA/GM4.3LLT	New 4.3L - LPG

Part #	Description
TSA/GM4.3LLT-TOYOTA	New Toyota
TSA/GM4.3L	New 4.3L
TSA/GM5.7LAH	New GM 5.7L

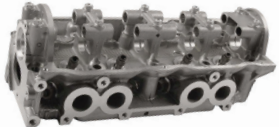
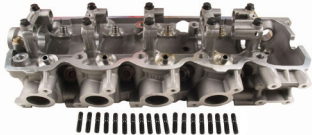
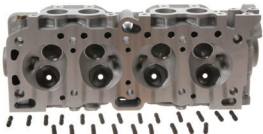
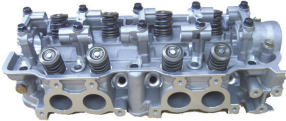
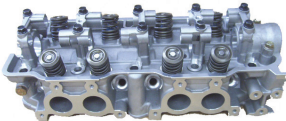
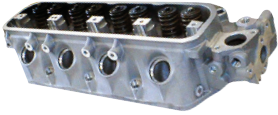
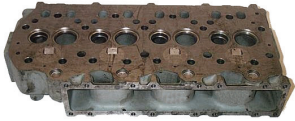


- New engine
- Complete long block with gasket kit
- 1 year warranty

- Nuevo Motor
- Motor completo con el kit de empaquetaduras
- 1 Año de garantía

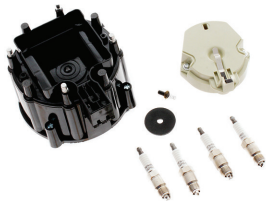
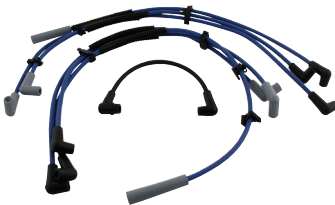
- Nouveau Moteur
- Moteur complet avec kit des joints
- Garantie d'un an

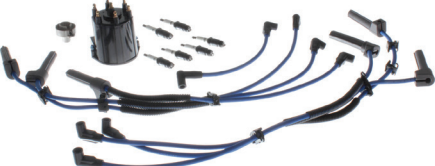
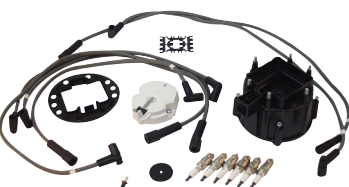
Part #	Description
TSA/TY4Y-NEW	New

Part#	Application	Part#	Application
TSA/SY74958	Bare 2.0L	TSA/SY74966	Complete 2.0L
			
TSA/SY74948	Bare 4G54	TSA/SY937509	Complete 2.4L
			
TSA/SY74952	Bare 4G63	TSA/SY74950	Complete 4G54
			
TSA/SY74963	Bare 4G64	TSA/SY74949	Complete 4G63
			
TSA/SY74964	Bare 4G64	TSA/SY74965	Complete 4G64
			
TSA/SY74961	Bare 4Y	TSA/SY74962	Complete 4Y
			
TSA/SY74959	Bare K21 & K25	TSA/SY937496	Complete K21 & K25
			
TSA/SY74955	Bare S45		
			

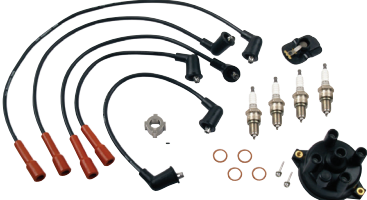
	Part# TSA/SY52798 Application Continental F163 Cat models T30-60B & V30-35B with Presto- lite Distributor		Part# TSA/SY86129 Application Continental F226 & F245 Crab style, cap & rotor
	Part# TSA/SY86128 Application Continental F226 & F227		Part# TSA/SY43721 Application Continental F227 Cat models T60-120C & V40-60B
	Part# TSA/SY302051 Application Continental F226 & F227		Part# TSA/SY1223183 Application Continental F227
	Part# TSA/ SY302350 Application Continental F226 & F227		Part# TSA/SY31258 Application Ford 4-172 & 4-192 Hyster models H30- 60H (D003 series)
	Part# TSA/SY331056 Application Continental F226 & F227		Part# TSA/SY302019 Application Ford 4-172 & 4-192
	Part# TSA/SY332042 Application Continental F226 & F227		Part# TSA/SY32195 Application GM2.2L
	Part# TSA/SY331002 Application Continental F226 & F227		Part# TSA/SY1223031 Application GM 2.4L LPG

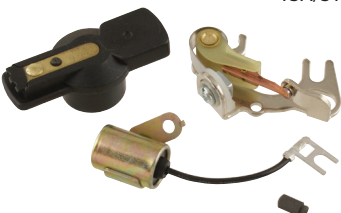
IGNITION KITS KITS DEL ENCENDEDOR KITS D'ALLUMAGE

Part#	Application	Part#	Application
TSA/SY1223032	GM 2.4L LPG	TSA/SY31264	GM 3.0L 4-cyl. 4-181 Hyster models H45-65XM (D177, H177 & K177 series)
			
TSA/SY1223050	GM 2.4L LPG	TSA/SY31437	GM 3.0L 4-cyl. 4-181 Hyster models S40-60XL (C187 series), major kit
			
TSA/SY31438	GM 2.5L 4-cyl. 4-153 Hyster models S40-60XL (A187 series)	TSA/SY35418	GM4.3L
			
TSA/SY1223160	GM 2.5L 4-cyl. 4-153 SY1223180	TSA/SY35419	GM 4.3L
			
TSA/SY1223180	GM 3.0L	TSA/SY47103	GM 4.3L Hyster models H70-155XL (G005 & F006) & S70-155XL (D004 & B024). Engine year 1992, 1996 & 1995
			
TSA/SY1223182	GM 3.0L Hyster models S40-60XL (C187 series), minor kit	TSA/SY72049	GM 4.3L
			
TSA/SY1223205	GM 3.0L	TSA/SY1223021	GM 4.3L
			

Part#	Application	Part#	Application
TSA/SY1223156	GM 4.3L	TSA/SY1223019	GM 4.3L Gas & LPG
			
TSA/SY1223157	GM 4.3L	TSA/SY1223020	GM 4.3L Gas & LPG
			
TSA/SY1223159	GM 4.3L	TSA/SY47104	GM 4.3L Late Hyster models S100- 155XL(S) (B024 & D004 series). Engine year 1994 & 1996- 2000
			
TSA/SY1223186	GM 4.3L Hyster models H70-110XL(S) (G005 series), major kit	TSA/SY1223284	GM 4.3L LPG
			
TSA/SY1244326	GM 4.3L	TSA/SY1223184	GM6.0L - 250
			
TSA/SYGM4.3TUKIT	GM 4.3L Early	TSA/SY1223161	Hercules G1600
			
TSA/SY1223022	GM 4.3L Gas	TSA/SY1223026	Mazda 2.0/2.2L Gas
			

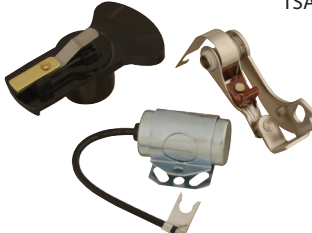
IGNITION KITS KITS DEL ENCENDEDOR KITS D'ALLUMAGE

Part#	Application	Part#	Application
	TSA/SY1223027 Mazda 2.0/2.2L LPG		TSA/SY82143 Mazda FE
	TSA/SY1223028 Mazda 2.0/2.2L LPG		TSA/SY31435 Mazda M4 - 121
	TSA/SY1223030 Mazda 2.0/2.2L LPG		TSA/SY31436 Mazda M4 - 121 Hyster models S40-60XL (series C187) with high energy ignition system
	TSA/SY1223207 Mazda 2.0/2.2L LPG		TSA/SY32188 Mazda M4 - 121 Hyster models H25-35XL (series C001) & S25-60XL (series B010 & A187)
	TSA/SY23643 Mazda D5		TSA/SY1223181 Mazda M4 - 121G Hyster models S40-60XL (series A187)
	TSA/SY23644 Mazda F2 & FE		TSA/SY32683 Mazda UA
	TSA/SY31263 Mazda FE		TSA/SY1223158 Mazda UA/VA

Part#	Application	Part#	Application
	TSA/SY1223175 Mazda UA/VA		TSA/SY94241 Mitsubishi 4G63/4G64
	TSA/SY303013 Mazda VA		TSA/SY1223172 Mitsubishi 4G63/4G64
	TSA/SY1223168 Mitsubishi 4G33		TSA/SY1223193 Mitsubishi 4G63/4G64 S
	TSA/SY1223169 Mitsubishi 4G52/4G54		TSA/SY1223194 Mitsubishi 4G63/4G64
	TSA/SY1223196 Mitsubishi 4G52/4G54		TSA/SY1244323 Mitsubishi 4G63/4G64
	TSA/SY1223195 Mitsubishi 4G52/4G54 E		TSA/SY1244328 Mitsubishi 4G63/4G64
	TSA/SY304000 Mitsubishi 4G54		TSA/SY1244329 Mitsubishi 4G63/4G64

IGNITION KITS KITS DEL ENCENDEDOR KITS D'ALLUMAGE

Part#	Application	Part#	Application
TSA/SY86130	Nissan A12, H20, D11 & J15	TSA/SY1223177	Nissan H20 II
			
TSA/SY1223189	Nissan A15 & H20	TSA/SY1223191	Nissan H20 II
			
TSA/SY22100-TUKIT	Nissan A15, H20 & Z24	TSA/SY47912	Nissan H20, J15 & D11
			
TSA/SY1223163	Nissan H20	TSA/SY1223166	Nissan J15
			
TSA/SY1223170	Nissan H20	TSA/SY1244331	Nissan J15
			
TSA/SY1223188	Nissan H20	TSA/SY1223167	Nissan J15 & A15
			
TSA/SY1223192	Nissan H20	TSA/SY1223190	Nissan Z24
			

Part#	Application	Part#	Application
TSA/SY86132	Toyota 4P	TSA/SY86131	Toyota 5K
			
TSA/SY1223164	Toyota 4P	TSA/SY1223206	Toyota 5K
			
TSA/SY82334	Toyota 4Y	TSA/SY86133	Toyota 5P
			
TSA/SY86803	Toyota 4Y	TSA/SY86134	Toyota 5R
			
TSA/SY1223162	Toyota 4Y	TSA/SY1223165	Toyota 5R
			
TSA/SY1223174	Toyota 4Y	TSA/SY302362	Waukesha D155
			

OVERHAUL KITS KITS DE RECONSTRUCCIÓN KITS DE RÉVISION

Manufacturer	Engine	Major Overhaul Kit	Minor Overhaul Kit
Continental	F163	TSA/SY74905	TSA/SY74874
	F227	TSA/SY74906	TSA/SY74875
	F245	TSA/SY74907	TSA/SY74876
GM	3.0L 181	TSA/SY74909	TSA/SY74878
	4.3L 262	TSA/SY74910	TSA/SY74879
Hercules/Caterpillar	1404	TSA/SY74911	TSA/SY74880
Isuzu	C240	TSA/SY74912	TSA/SY74881
Mazda	F2	TSA/SY74919	TSA/SY74888
	FE	TSA/SY74920	TSA/SY74889
Mitsubishi	4G32	TSA/SY74913	TSA/SY74882
	4G33	TSA/SY74914	TSA/SY74883
	4G52	TSA/SY74915	TSA/SY74884
	4G54	TSA/SY74916	TSA/SY74885
	4G63	TSA/SY74917	TSA/SY74886
	4G64	TSA/SY74918	TSA/SY74887

Manufacturer	Engine	Major Overhaul Kit	Minor Overhaul Kit
Nissan	H20	TSA/SY74925	TSA/SY74894
	H20-II	TSA/SY74924	TSA/SY74893
	H25	TSA/SY74926	TSA/SY74895
	H30	TSA/SY74927	TSA/SY74896
	K21	TSA/SY937511	TSA/SY937510
	K25	TSA/SY937513	TSA/SY937512
Perkins	4.236 Gas	TSA/SY74930	TSA/SY74899
Peugeot	XN1P	TSA/SY74929	TSA/SY74936
Toyota	4P	TSA/SY74931	TSA/SY74900
	4Y	TSA/SY74932	TSA/SY74901
	5R	TSA/SY74933	TSA/SY74902
Waukesha	D155	TSA/SY74934	TSA/SY74903
	D176	TSA/SY74935	TSA/SY74904

CHEMICALS QUÍMICOS PRODUITS CHIMIQUES

Part #	Size	Description
TSA/SY35857	32oz / 946ml	5W30 Full Synthetic Quart Motor Oil 12 per case, 1176 per skid American Petroleum Institute Certified



TSA/SY35858	32oz / 946ml	10W30 Full Synthetic Quart Motor Oil 12 per case, 1176 per skid American Petroleum Institute Certified
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TSA/SY4033H	32oz / 946ml	Champion SAE 30 Heavy Duty Motor Oil
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Part #	Size	Description
TSA/SY4152H	32oz / 946ml	Champion 15W40 Heavy Duty Motor Oil



TSA/SY4152N	1gal / 3.78L	Champion 15W40 Heavy Duty Motor Oil
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TSA/SY4232H	32oz / 946ml	Champion 10W30 Synthetic Blend Motor Oil
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Part #	Size	Description
TSA/SY4232N	1gal / 3.78L	Champion 10W30 Synthetic Blend Motor Oil



TSA/SY4116F	1gal / 3.78L	Champion Universal Antifreeze and Coolant - Prediluted Do not water, protects against rust, corrosion and premature water pump failure
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TSA/SY4119F	1gal / 3.78L	Champion 50/50 Antifreeze and Coolant Concentrated blend of premium long-lasting inhibitors, may be added to any color antifreeze or coolant
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OIL PANS CAJAS DE RETENCIÓN BIDONS D'HUILE


Part #	Description
TSA/SYBZ05070	7.5qt / 7.125L 14.75" x 14.50" x 3.75" Round



Part #	Description
TSA/SYBZ11838	15qt / 14.250L 24.00" x 18.00" x 6.75"

A world map showing the locations of Total Source offices. Markers are placed in the United States (Olathe, Kansas), Canada (Mississauga, Ontario), Mexico (Cuautitlán Izcalli, EDM), Brazil (Vinhedo, São Paulo), and Belgium (Waregem).

United States

○ Olathe, Kansas

(800) 255-4109

Duncan, South Carolina

Grayslake, Illinois

Harrisburg, Pennsylvania

Miami, Florida

Mira Loma, California

Shreveport, Louisiana

Latin America and the Caribbean

+1 (913) 768-3099

Canada

◇ Mississauga, Ontario

(800) 509-7668

Port Coquitlam, British Columbia

(888) 661-8611

Mexico

◇ Cuautitlán Izcalli, EDM

+52 (55) 5861-8550

Santa Catarina, N.L.

01 800 220-1884

Brazil

◇ Vinhedo, São Paulo

+55 (19) 3045-4250

Belgium

■ Waregem

+32 56 43 42 11

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