



MARINE DIESEL PARTS MANUAL

MODEL

M-18

PART NUMBER

200139



UNIVERSAL DIESEL FAST MOVING PARTS

Model: M-18 Number of cylinders: 2 Mfg. Years: 1983-1988
 Cubic Inches: 34.8 Horsepower: 14 Weight: 255

Air Filter	-	299750	Oil Pressure Switch	-	298663
Air Filter Element	-	N/A	Panel, Standard	-	300680
Alternator	-	302280	Panel, Deluxe	-	300685
Ammeter	-	300668	Panel, Custom	-	300690
Belt	-	300817	Pump, Fresh Water	-	300203
Dipstick	-	299377	Pump, Mounting Gasket	-	300204
Exhaust Manifold	-	301013	Pump, Rebuild Kit	-	N/A
Exhaust Manifold Gasket	-	299435 (2)	Pump, Sea Water	-	302648 (C)
Filter, Lube Oil	-	300209	Pump Mounting Gasket	-	302678
Filter, Fuel Oil	-	298854	Pump, Impeller	-	302875
Filter, Electric Lift	-	300128	Pump, Repair Kit	-	N/A
Gasket, Head	-	301118	Pump, Seal	-	302885
Gasket, Oil Pan	-	299367	Pump Conversion Kit		
Gasket Set, Upper	-	256837	(includes pump)	-	302837
Gasket Set, Complete	-	256838	Pump Conversion Kit		
Glow Plug	-	301754	(excludes pump)	-	302838
Harness, 5 FT. EXT.	-	300708	PTO Pulley Kit	-	N/A
Harness, 10 FT. EXT.	-	300675	Pump, Fuel Lift	-	301385
Harness, Engine	-	298586	Shim, Cylinder Head	-	301119
(A) Heat Exchanger	-	SEE BELOW	Spare Parts Kit A	-	256946
Heat Exchanger End Cap	-	299838	Spare Parts Kit B	-	256830
Heat Exchanger Gasket	-	299838	Starter	-	299512
(B) Injector	-	SEE BELOW	Starter Solenoid	-	SEE BELOW (D)
Injection Pump	-	299525	Tachometer	-	300684
Injection Hardware Kit	-	N/A	Tachometer with Hour Meter	-	300687
Injector Nozzle	-	301514	Tank, Coolant Recovery	-	300238
Injector Return Line	-	299520	Thermostat Element	-	301358
Isolators	-	300514	Thermostat Element Gasket	-	N/A
Ignition Switch	-	300671	Thermostat MTG Gasket	-	300237
Manuals, Operators	-	200157	Valve Cover Gasket	-	299456
Manuals, Parts	-	200139	Water Temp Meter	-	300670
Manuals, Technical	-	200155	Water Temp Sender	-	299066
Oil Drain Washer Kit	-	301431	Water Injected Elbow	-	N/A
Oil Pump	-	299405	Zinc	-	301069

Notes:

- A.) P/N 298663 IS THE OLDER STYLE EXCHANGER AND 299049 IS LATEST STYLE (2")
 B.) QTY - 1 298787 AND QTY - 1 P/N 298788 USED PER ENGINE.
 C.) NEW STYLE SHERWOOD PUMP - INFORMATION ON OLD STYLE SHERWOOD AND OBERDORFER AVAILABLE IN PARTS MANUALS.
 D.) P/N 300538 WITH STUDS OR P/N 299771 WITH SCREWS.



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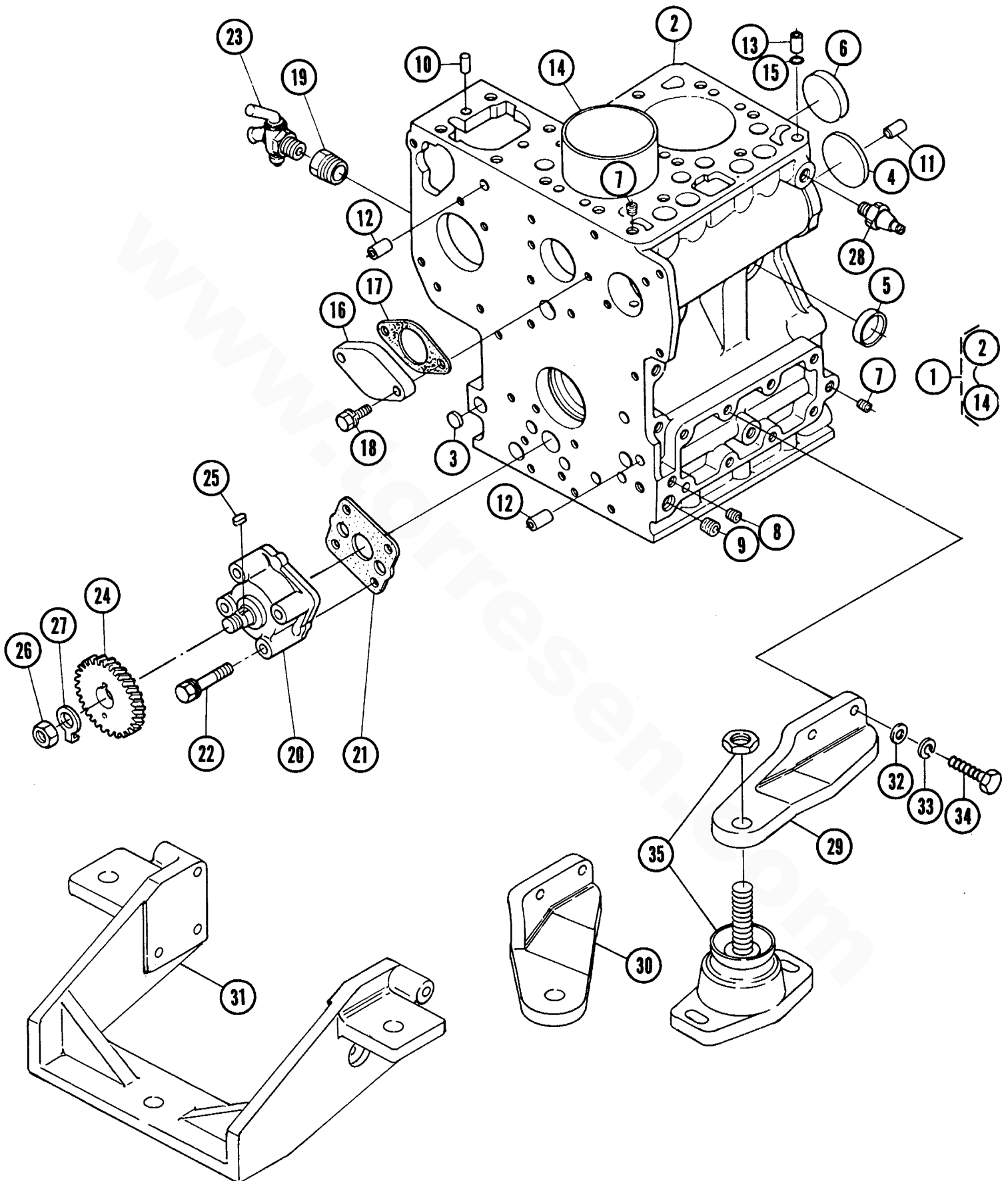
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Wiring Diagram54

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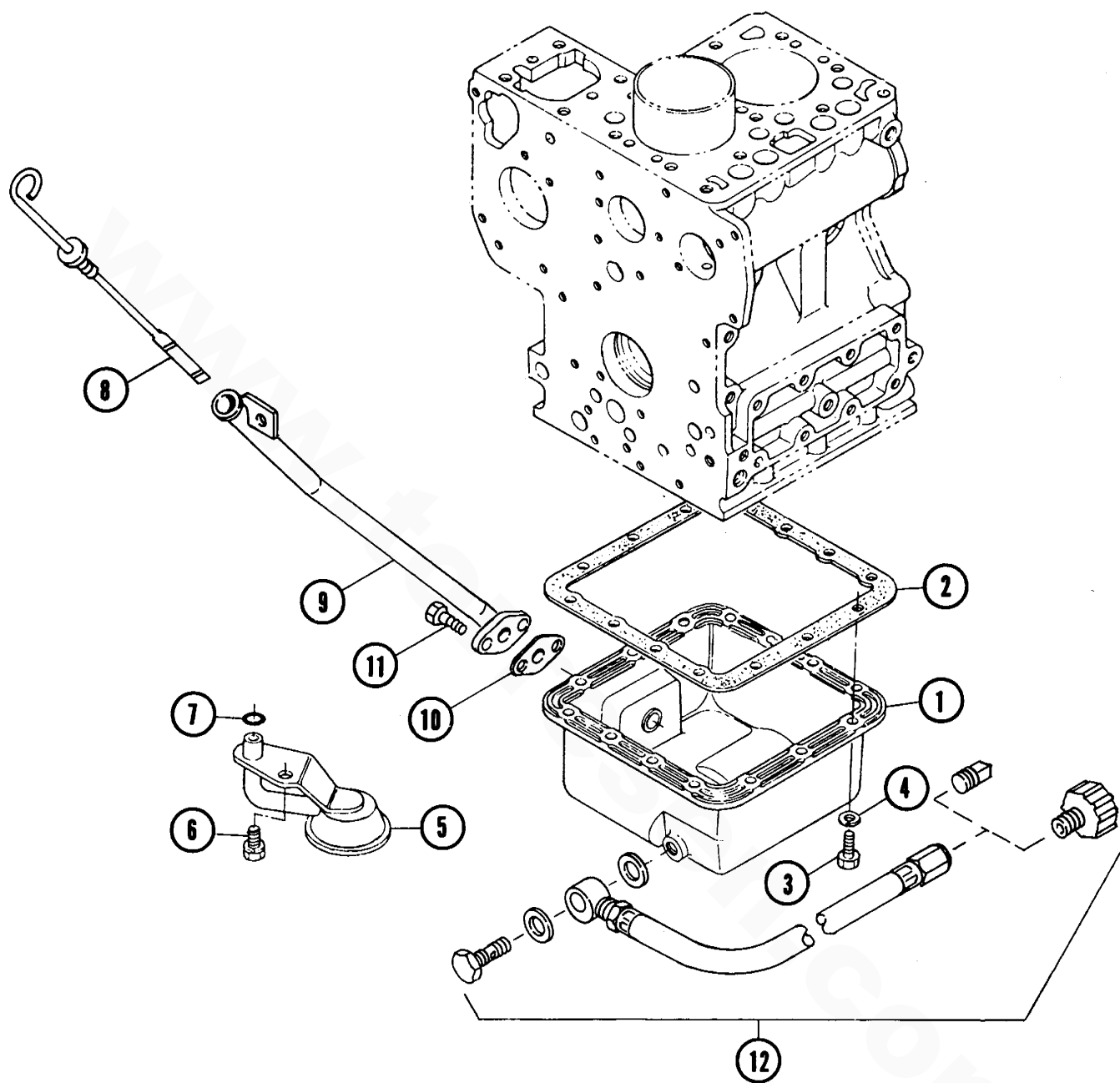
CRANK CASE GROUP



CRANK CASE GROUP

Item	Part No.	Unit	Description
1	301150	1	Crankcase Assembly
2			Order by Item No. 1
3	299352	3	Plug, Expansion
4	299353	4	Plug, Expansion
5	299354	3	Cap, Sealing Freeze
6	299355	1	Cap, Sealing Freeze
7	299356	5	Plug
8	299357	3	Plug
9	299358	1	Plug
10	299359	2	Pin, Straight
11	299360	2	Pin, Straight
12	301484	2	Pin, Pipe
13	301485	1	Pin, Pipe
14	300130	2	Liner, Cylinder
15	299362	1	O-Ring
16	299363	1	Cover, Water
17	299364	1	Gasket, Water Cover
18	299365	2	Bolt
19	301522	1	Bushing, Drain Cock
20	299405	1	Pump Oil Assembly
21	299406	1	Gasket, Oil Pump
22	300143	4	Bolt, Oil Pump
23	301487	1	Cock, Drain Block
24	299407	1	Gear, Oil Pump Drive
25	299408	1	Key, Feather
26	299409	1	Nut
27	299413	1	Washer, Craw
28	298663	1	Switch, Oil
29	299254	1	Front Mount - Port Side
	299256	1	Front Mount - Starboard Side
30	300284	1	Front Mount - Port Side 16" Center
	300286	1	Front Mount - Starboard Side 16" Center
31	301057	1	3-4 Point Combination Mount
32	298456	8	Washer Plain
33	298463	8	Washer Split Lock
34	298506	8	Screw Hex Head Cap
35	300514	4	Mount - Flexible

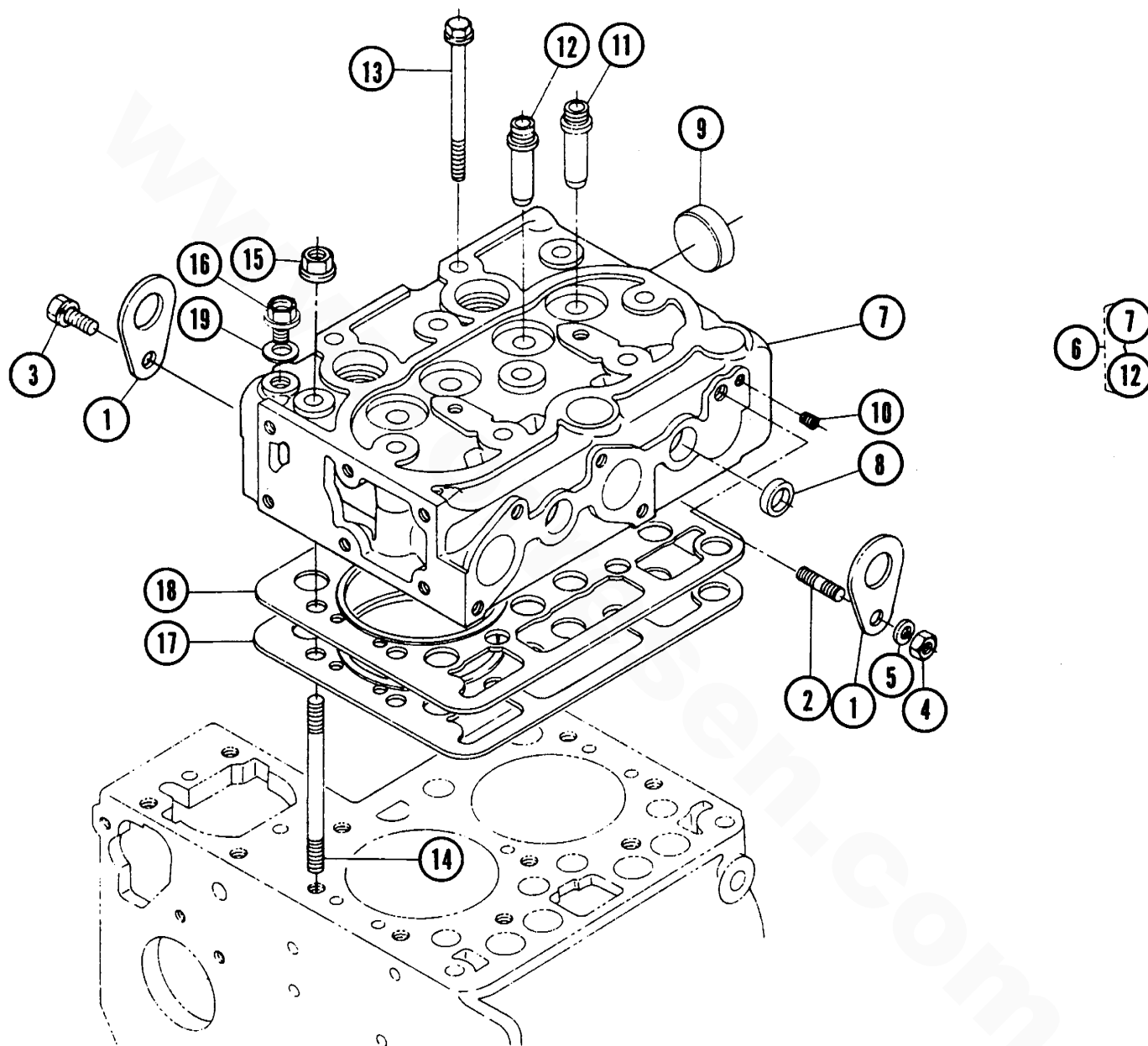
OIL PAN GROUP



OIL PAN GROUP

Item	Part No.	Unit	Description
1	301151	1	Oil Pan
2	299367	1	Gasket, Oil Pan
3	299368	14	Bolt
4	299369	14	Washer, Spring
5	299372	1	Screen, Oil
6	300008	1	Bolt, Oil Screen
7	299373	1	O-Ring
8	299377	1	Dip Stick
9	299225	1	Oil Gauge Tube
10	299226	1	Gasket, Oil Gauge Tube
11	299379	2	Bolt
12	300724	1	Drain Kit

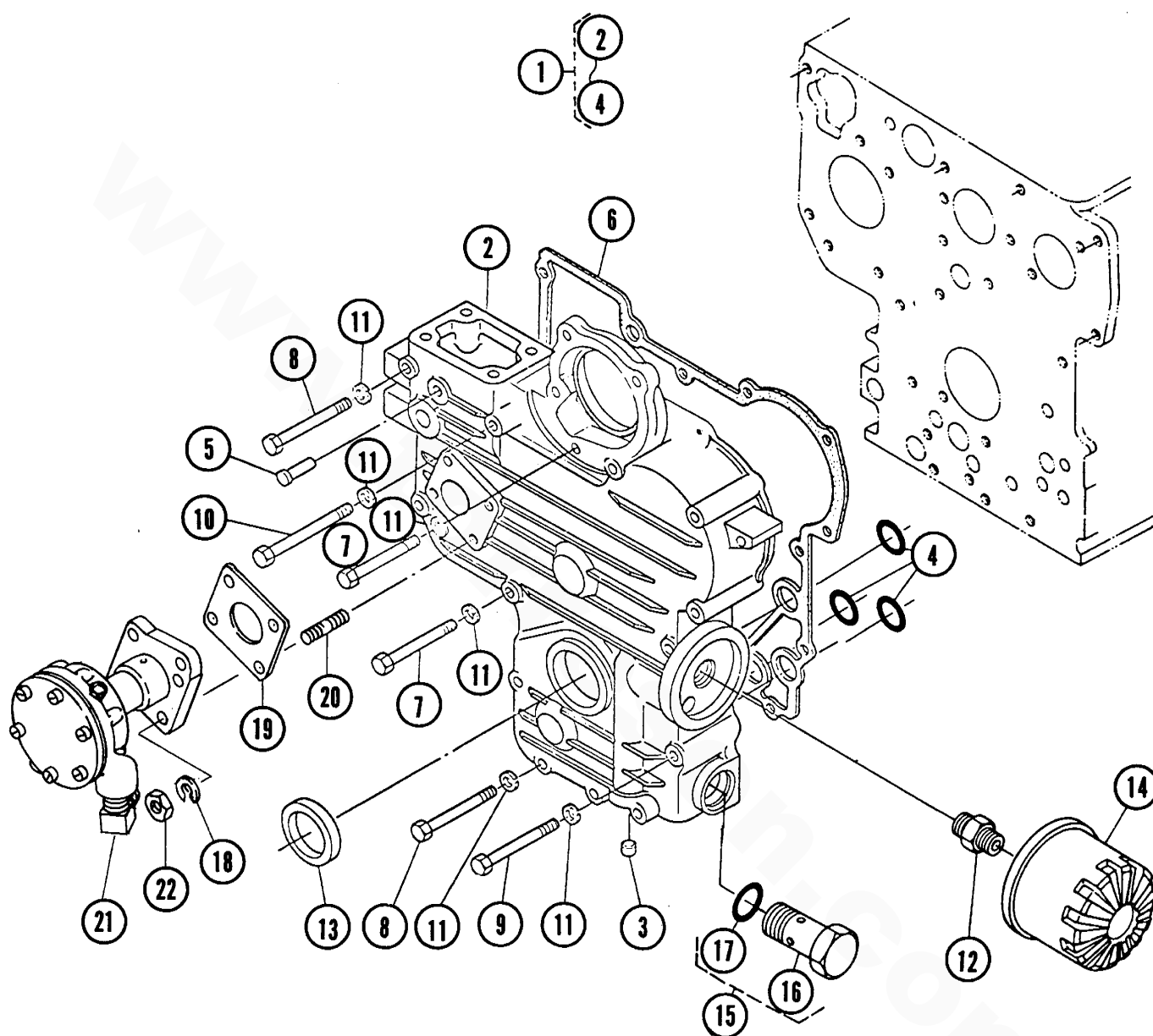
CYLINDER HEAD GROUP



CYLINDER HEAD GROUP

Item	Part No.	Unit	Description
1	298666	2	Hook, Engine
2	300135	1	Stud
3	300008	1	Bolt
4	299529	1	Nut
5	299515	1	Washer Spring
6	301152	1	Cylinder Head Assembly
7			Order by Item No. 6
8	299383	3	Freeze Plug
9	299384	1	Freeze Plug
10	299385	2	Plug
11	299386	2	Guide, Inlet Valve
12	299394	2	Guide, Exhaust Valve
13	300137	8	Bolt, Cylinder Head
14	300138	2	Stud, Cylinder Head
15	300139	2	Nut, Cylinder Head
16	299974	1	Bolt
17	301118	1	Gasket, Cylinder Head
18	301119		Shim, Cylinder Head Gasket
19	299975	1	Washer

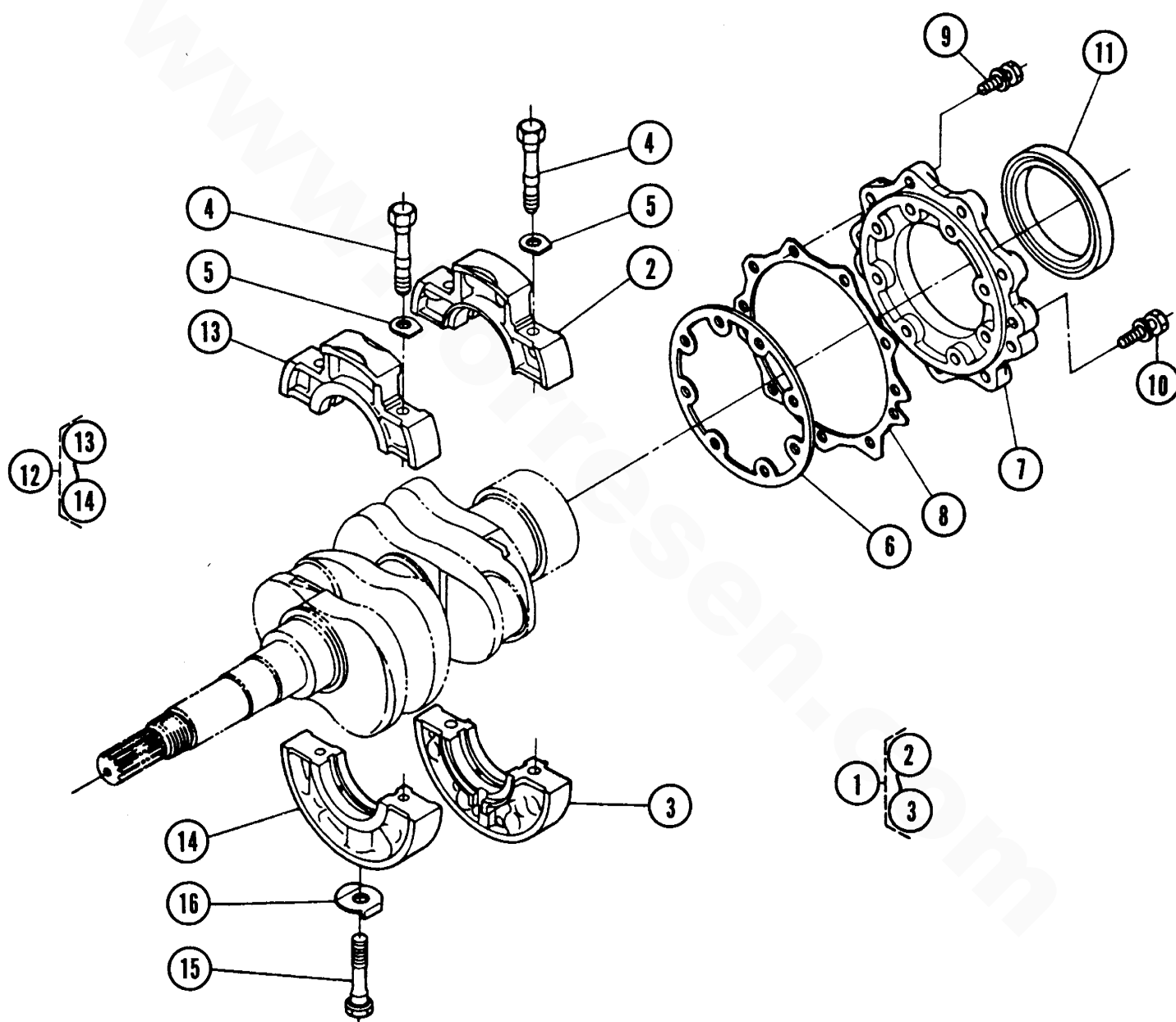
GEAR CASE GROUP



GEAR CASE GROUP

Item	Part No.	Unit	Description
1	300140	1	Comp. Case - Gear
2			Order by Item No. 1
3	299395	2	Plug - Pin
4	300160	3	O-Ring - Gear Case
5	301489	1	Pin - Start Spring
6	300180	1	Gasket - Gear Case
7	299399	7	Bolt
8	299400	5	Bolt
9	299401	1	Bolt
10	299402	1	Bolt
11	299403	14	Washer - Spring
12	301490	1	Adapter - Filter
13	299404	1	Seal - Oil
14	300209	1	Filter - Oil
15	299374	1	Assembly Valve - Relief
16			Order by Item No. 15
17	299376	1	O-Ring
18	299403	4	Washer - Spring
19	298485	1	Gasket - Water Pump
20	298683	4	Stud
21	300986	1	Sherwood Water Pump
22	298684	4	Nut

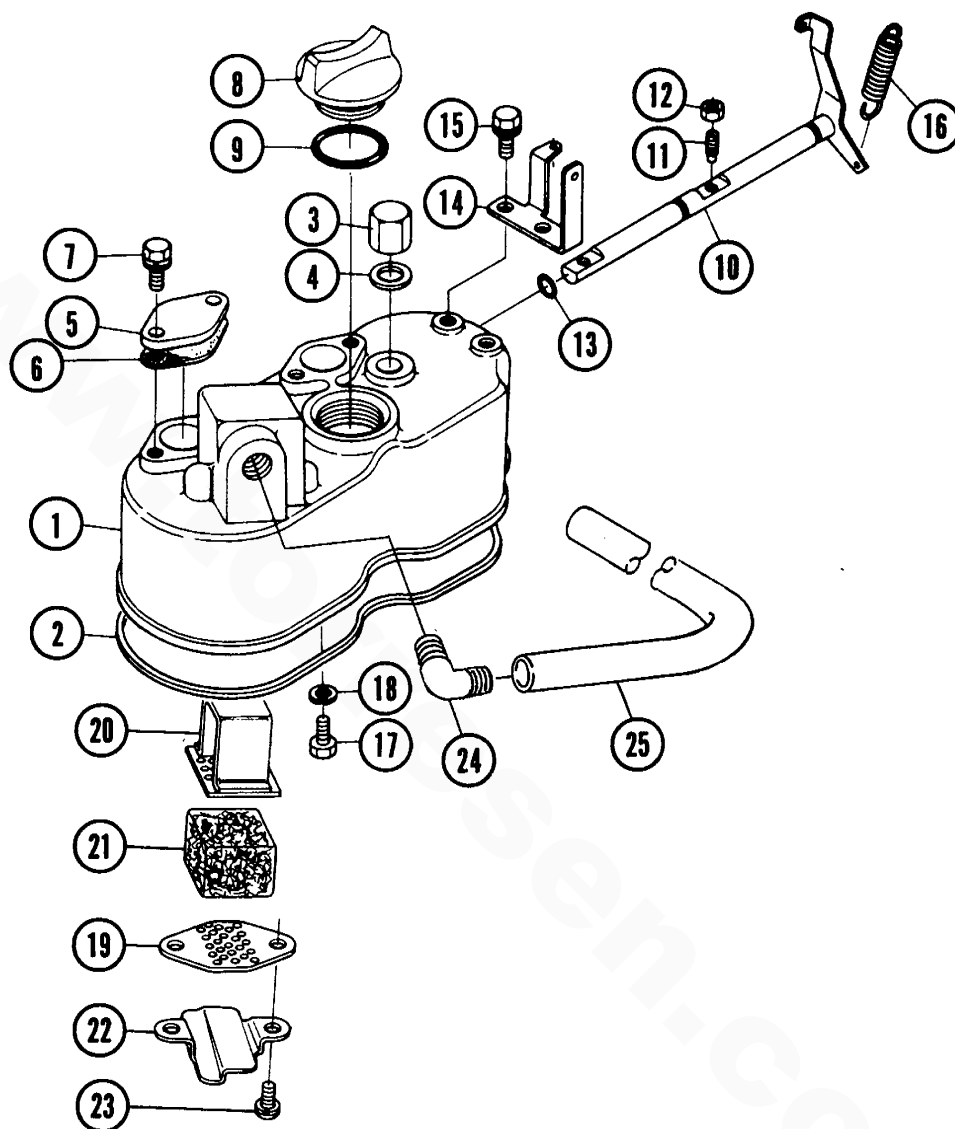
MAIN BEARING CASE GROUP



MAIN BEARING CASE GROUP

Item	Part No.	Unit	Description
1	301153	1	Assembly Case Main Bearing
2			Order by Item No. 1
3			Order by Item No. 1
4	299415	4	Bolt, Bearing Case 1
5	299416	4	Washer, Bearing Case 1
6	299417	1	Gasket, Bearing Case
7	301086	1	Cover, Bearing Case
8	299418	1	Gasket Bearing Case Cover
9	299432	9	Bolt, Bearing Case Cover Top
10	299432	9	Bolt, Bearing Case Cover, Side
11	301085	1	Seal, Oil
12	299420	1	Assembly Case, Main Bearing 2
13			Order by Item No. 12
14			Order by Item No. 12
15	300145	1	Bolt, Bearing Case 2
16	299421	1	Washer, Bearing Case 2

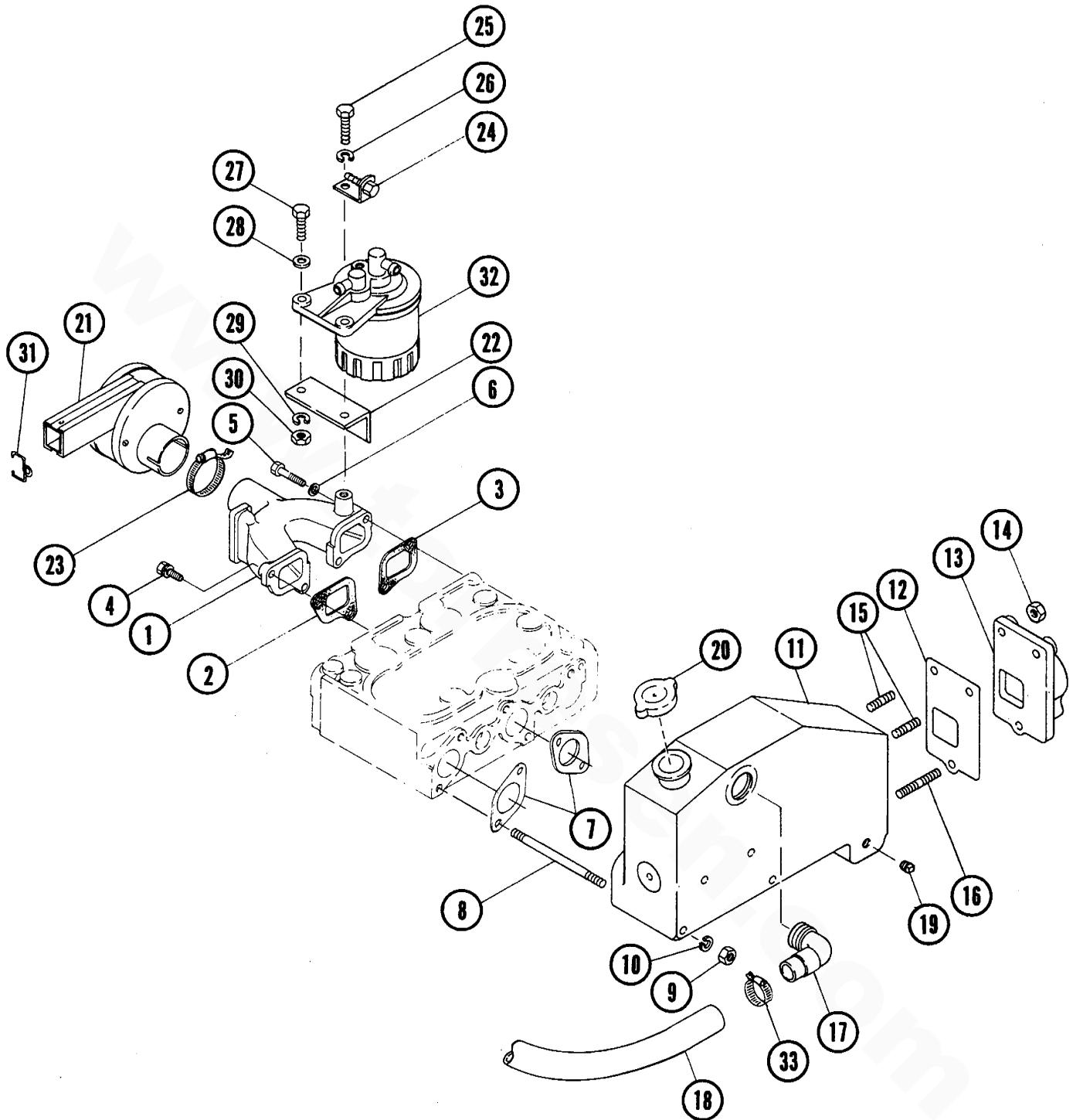
HEAD COVER GROUP



HEAD COVER GROUP

Item	Part No.	Unit	Description
1	299455	1	Cover, Valve
2	299456	1	Packing, Valve Cover
3	299457	2	Nut, Cap
4	299458	2	Gasket
5	299460	2	Cover, Decomp. Hole
6	299461	2	Gasket
7	299462	4	Bolt
8	299464	1	Cap, Oil Filler
9	299465	1	O-Ring
10	299466	1	Comp. Shaft, Decompress
11	299467	2	Bolt, Decompress
12	299468	2	Nut
13	299469	1	O-Ring
14	299470	1	Holder Decompress Wire
15	299462	2	Bolt, Decompress Holder
16	299471	1	Spring, Decompress
17	298732	1	Bolt, Decompress Shaft
18	299033	1	Washer, Spring Decomp. Shaft
19	301391	1	Plate, Breather Element 1
20	301392	1	Plate, Breather Element 2
21	300148	1	Element, Breather
22	301393	1	Oil Shield, Breather
23	301399	2	Screw
24	299854	1	Joint, Breather Pipe
25	301396	1	Hose, Breather

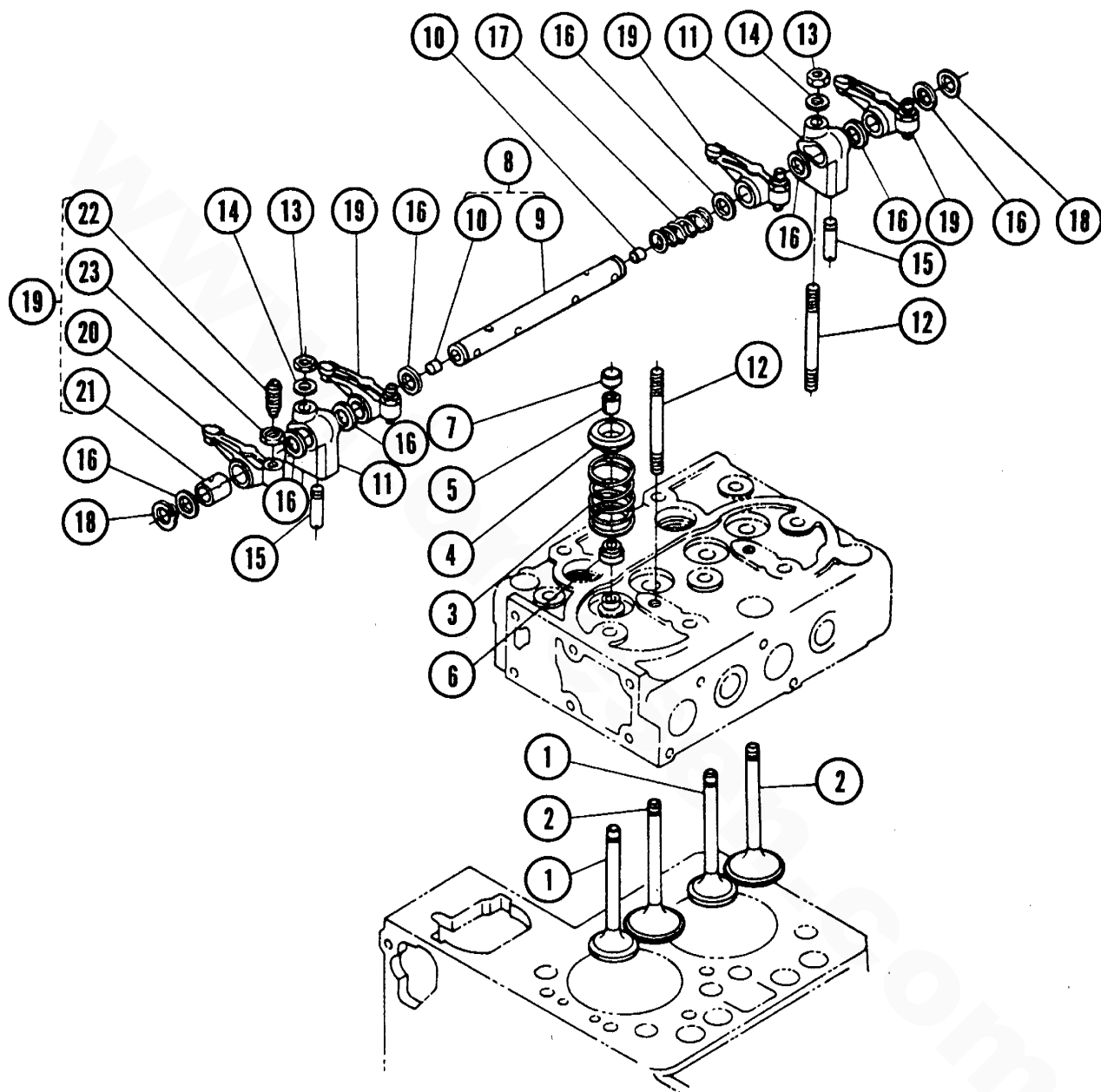
INLET MANIFOLD GROUP



INLET MANIFOLD GROUP

Item	Part No.	Unit	Description
1	299429	1	Intake
2	299430	1	Gasket
3	299431	1	Gasket
4	299432	3	Bolt
5	299433	1	Bolt
6	299434	1	Washer, Spring
7	299435	2	Gasket, Exhaust Manifold
8	300095	4	Stud
9	298684	4	Nut
10	299434	4	Washer, Spring
11	301013	1	Exhaust Manifold
12	298600	1	Gasket
13	298599	1	Flange
14	230147	3	Nut
15	276440	2	Stud
16	298974	1	Stud
17	298644	1	Fitting
18	300101	1	Hose
19	239136	1	Plug
20	299956	1	Cap
21	299750	1	Air Cleaner
22	300942	1	Bracket
23	298604	1	Hose Clamp
24	300941	1	Fuel Return Bracket
25	298468	1	Bolt
26	298461	1	Washer, Spring
27	231059	1	Bolt
28	231875	1	Washer
29	015395	1	Washer, Spring
30	230141	1	Nut
31	298630	1	Clip
32	See page 38	1	Fuel Filter
33	298648	1	Hose Clamp

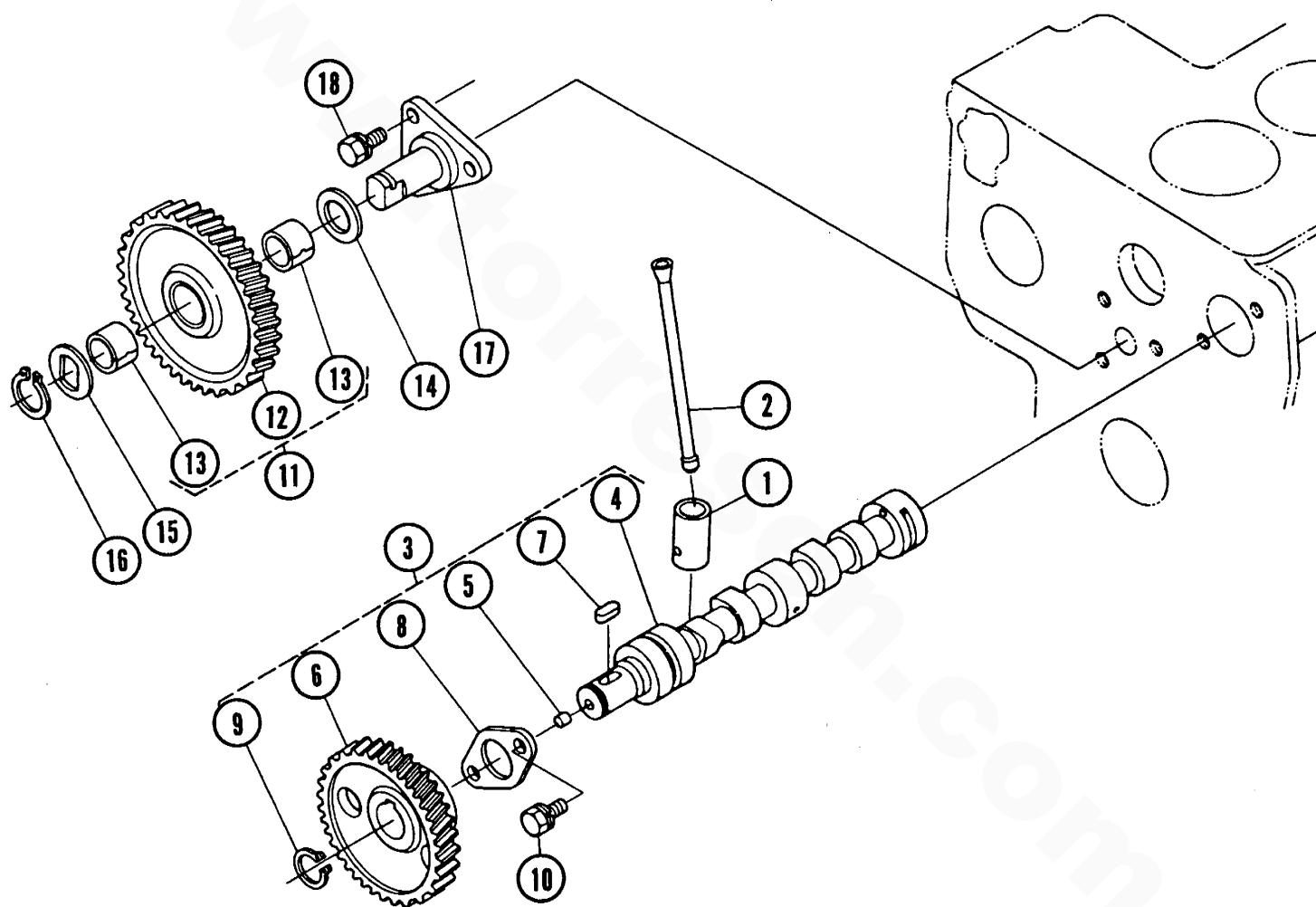
VALVE ROCKER ARM GROUP



VALVE ROCKER ARM GROUP

Item	Part No.	Unit	Description
1	300152	2	Valve, Inlet
2	300153	2	Valve, Exhaust
3	299438	4	Spring, Valve
4	299439	4	Retainer, Valve Spring
5	299440	8	Collet, Valve Spring
6	299441	4	Seal, Valve Stem
7	299442	4	Cap, Valve
8	300154	1	Assembly Shaft, Rocker Arm
9			Order by Item No. 8
10	300155	2	Screw, Set
11	299944	2	Bracket, Rocker Arm
12	299945	2	Stud
13	299446	2	Nut, Rocker Arm Bracket
14	300156	2	Washer, Plain
15	299447	1	Screw, Set
16	299448	4	Washer
17	299449	1	Spring, Rocker Arm
18	299450	2	Cir-Clip, External
19	300227	4	Assembly Rocker Arm
21	300228	4	Bush, Rocker Arm
22	299453	4	Screw, Adjusting
23	299454	4	Nut

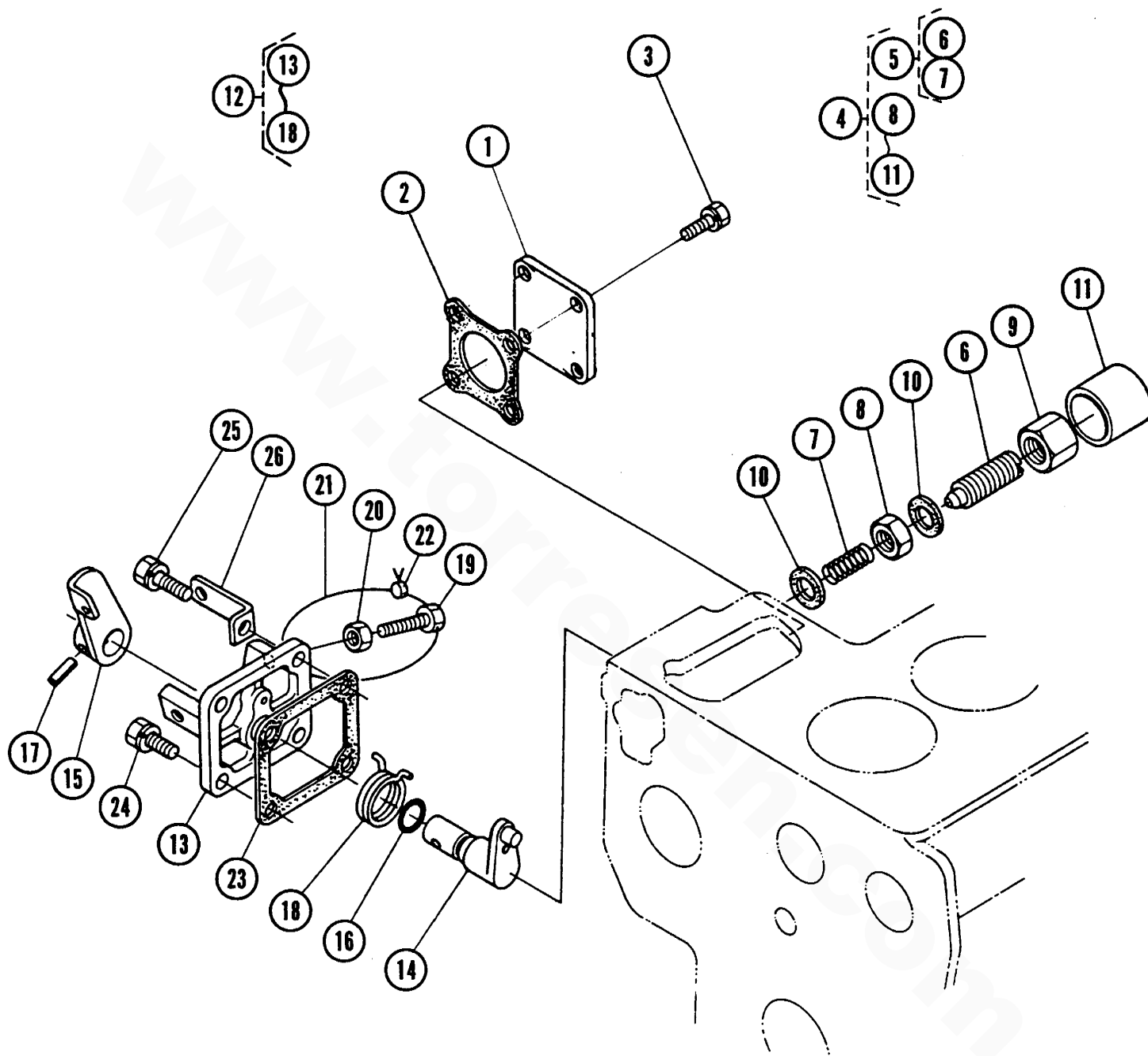
CAMSHAFT GROUP



CAMSHAFT GROUP

Item	Part No.	Unit	Description
1	299472	4	Tappet
2	299473	4	Rod, Push
3	299474	1	Assembly Camshaft
4			Order by Item No. 3
5	300162	2	Plug Blind
6	299475	1	Gear, Camshaft
7	299476	1	Key, Feather
8	299477	1	Stopper, Camshaft
9	299535	1	Cir-Clip, External
10	299462	2	Bolt
11	299478	1	Comp. Gear, Idle
12			Order by Item No. 11
13	299479	2	Bush, Idle Gear
14	299480	1	Collar, Idle Gear 1
15	299481	1	Collar, Idle Gear 2
16	299482	1	Cir-Clip, External
17	299483	1	Shaft, Idle Gear
18	299462	3	Bolt

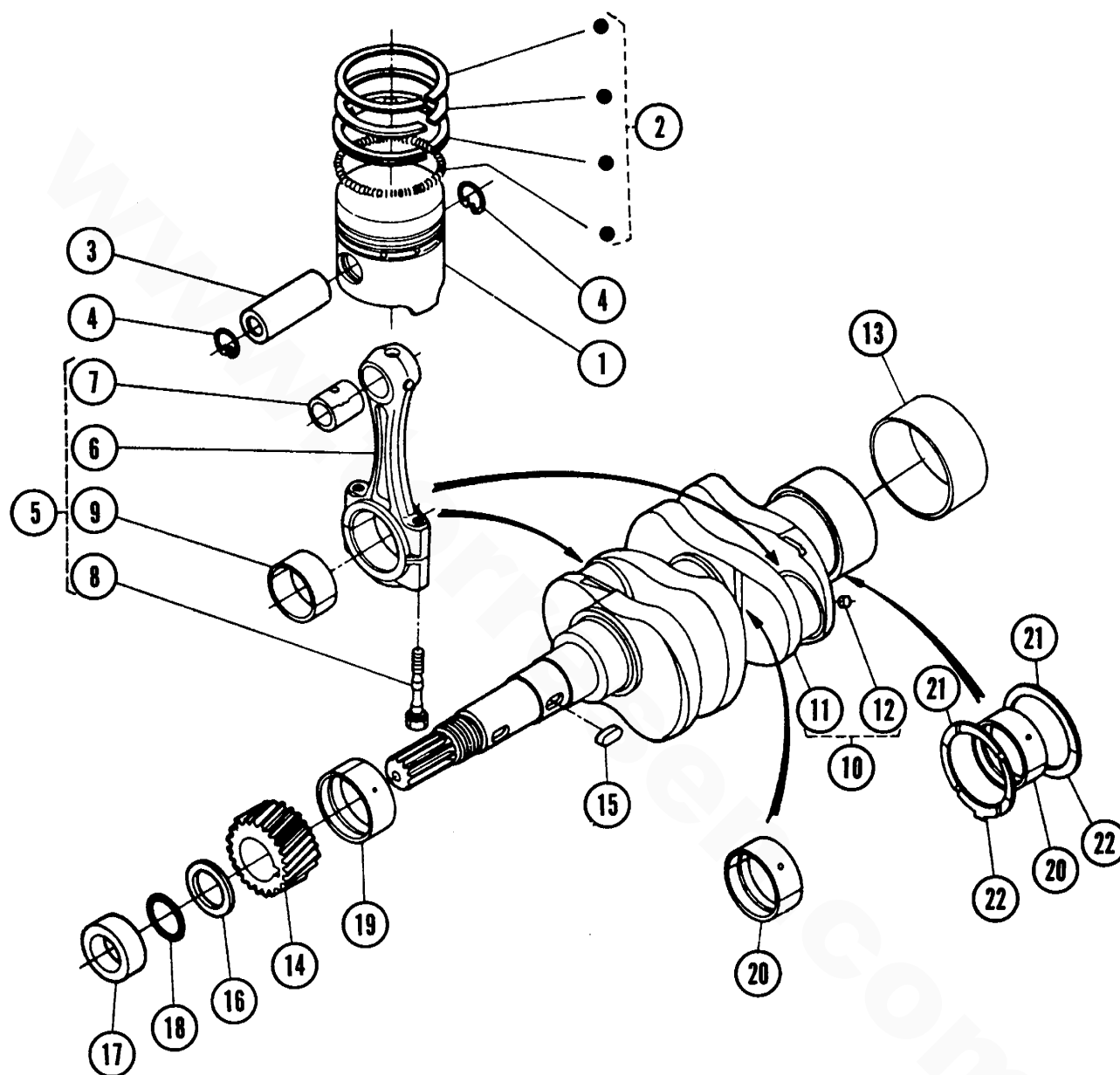
ENGINE STOP LEVER GROUP



ENGINE STOP LEVER GROUP

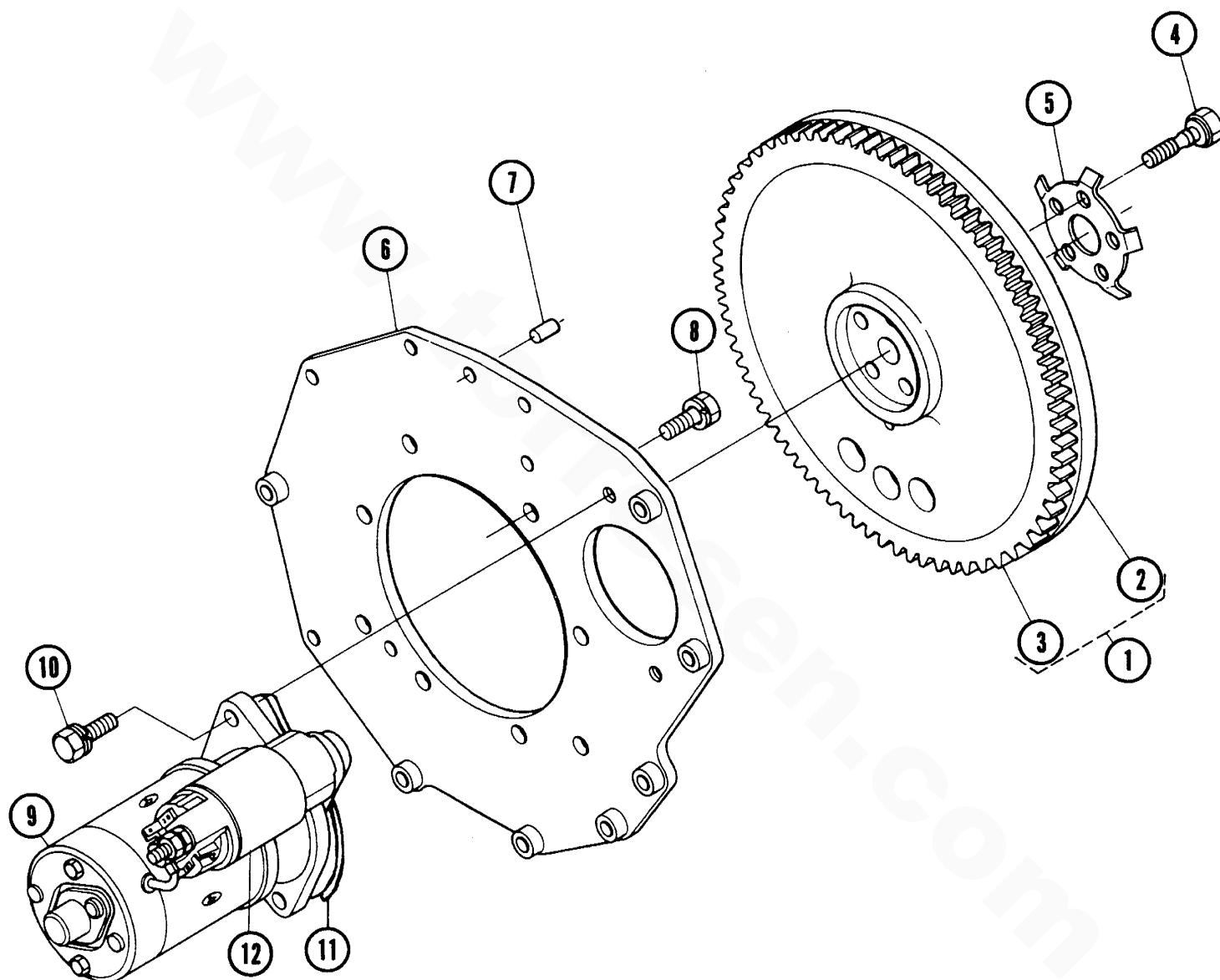
Item	Part No.	Unit	Description
1	299486	1	Cover, Injection Pump, (Rear)
2	299484	1	Gasket, O.P. Pump
3	299527	4	Bolt
4	300164	1	Assembly Apparatus, Idling
5	301492	1	Assembly Bolt, Adjusting, Injection Pump
6			Order by Item No. 5
7			Order by Item No. 5
8	301493	1	Nut, Order No. 5
9	301494	1	Nut, Cap, Order No. 5
10	301495	2	Packing, Order No. 5
11	301417	1	Cap, Order No. 5
12	300229	1	Assembly Lever, Engine Stop
13	300173	1	Cover, Injection Pump
14			Order by Item No. 12
15			Order by Item No. 12
16	301496	1	O-Ring, Stop Lever
17	301498	1	Pin, Spring w/No. 12
18	301499	1	Spring, Stop Lever
19	298826	1	Stopper, Bolt
20	299041	1	Nut, Stopper
21			Non Sale
22			Non Sale
23	300230	1	Gasket, Breather
24	299462	3	Bolt
25	299432	1	Bolt
26	301398	1	Holder, Wire

PISTON, CRANKSHAFT GROUP



PISTON, CRANKSHAFT GROUP

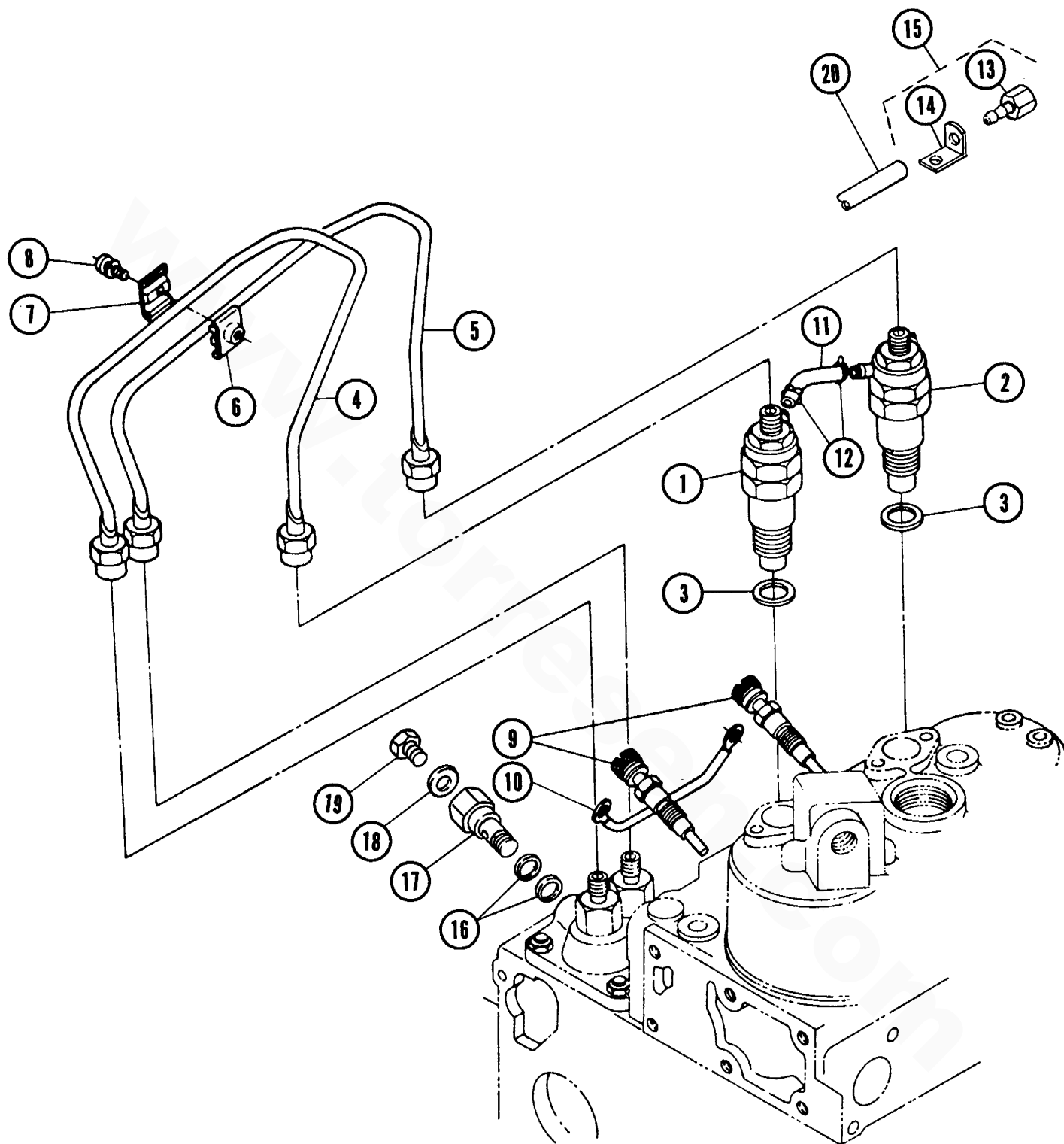
Item	Part No.	Unit	Description
1	300165	2	Piston
2	300166	2	Assembly Piston Ring
3	299489	2	Piston Pin
4	299490	4	Cir-Clip, Piston Pin
5	299491	2	Assembly Rod, Connecting
6			Order by Item No. 5
7	301154	2	Bush, Piston Pin
8	299493	4	Bolt, Connecting Rod
9	299494	4	Metal, Crank Pin
10	301155	1	Comp. Crankshaft
11			Order by Item No. 11
12	299385	2	Plug Pin
13			Order by Item No. 11
14	300168	1	Gear Crank
15	299496	1	Key, Feather
16	299497	1	Oil Slinger
17	299498	1	Collar, Crankshaft
18	299499	1	O-Ring
19	299500	1	Bearing, Crankshaft 1
20	299501	4	Bearing, Metal Crankshaft 2
21	299502	2	Bearing, Side 1
22	299503	2	Bearing, Side 2



FLYWHEEL GROUP

Item	Part No.	Unit	Description
1	299504	1	Comp. Flywheel
2			Order by Item No. 1
3	299505	1	Gear, Ring
4	299506	5	Bolt, Flywheel
5	299507	1	Washer, Flywheel
6	299508	1	Rear End Plate
7	299509	1	Pin, Straight
8	299510	8	Bolt
9	299512	1	Assembly Starter
10	298539	2	Bolt, Starter
11	299513	1	Gasket
12	300538	1	Solenoid

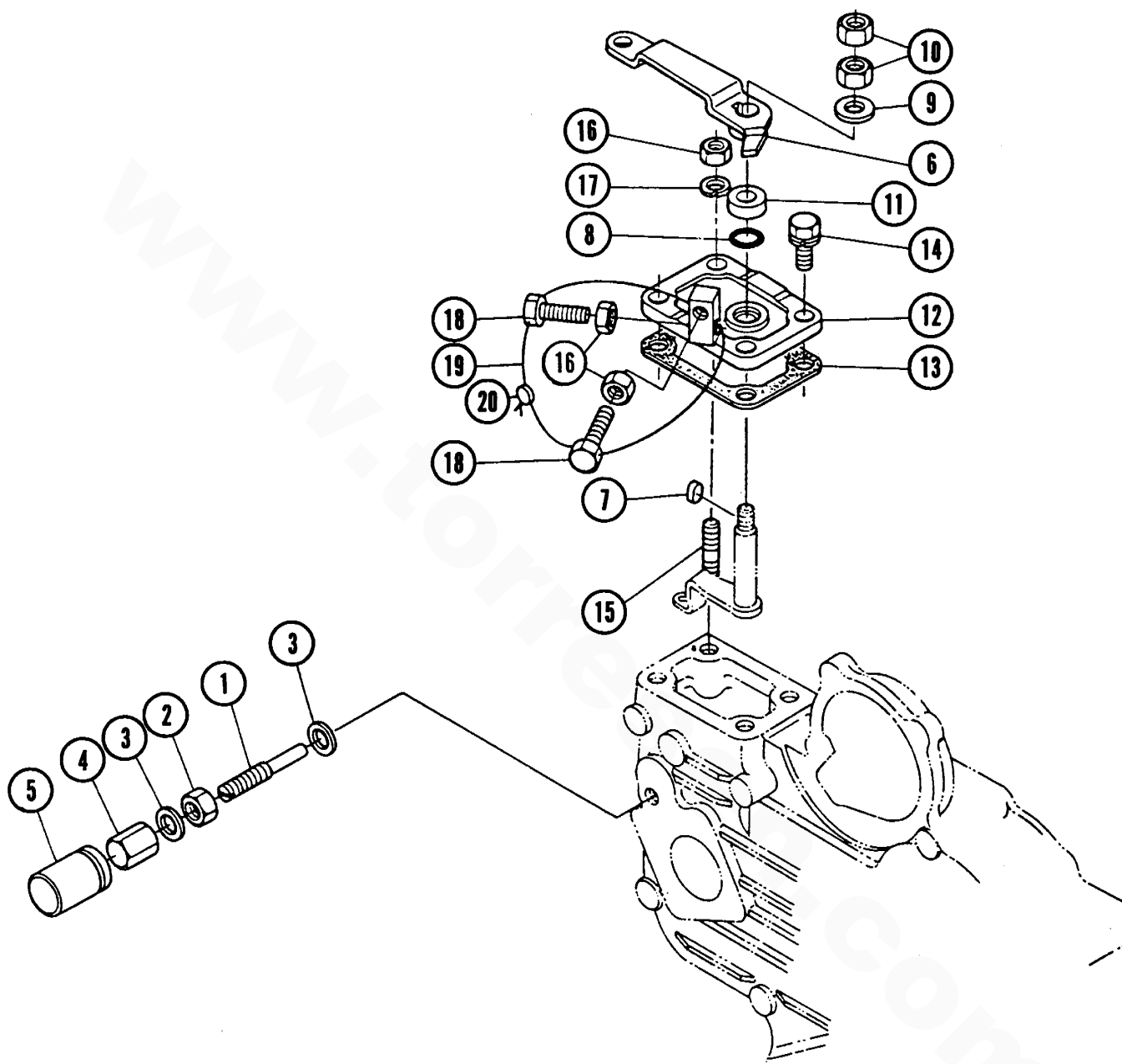
NOZZLE HOLDER GROUP



NOZZLE HOLDER GROUP

Item	Part No.	Unit	Description
1	299517	1	Assembly, Nozzle 1
2	299518	1	Assembly, Nozzle 2
3	299519	2	Gasket
4	299521	1	Pipe, Injection 1
5	299522	1	Pipe, Injection 2
6	298792	1	Clamp Pipe 1
7	298793	1	Clamp Pipe 2
8	298794	1	Screw, with Washer, (Pipe Cleaner)
9	301754	2	Glow Plug
10	299523	1	Wire, Glow Plug
11	299520	1	Hose, Fuel Return
12	299524	2	Clamp, Hose
13	299829	1	Fuel Return Connector
14	299828	1	Mounting Bracket
15	256747	1	Fuel Return Assembly
16	300201	2	Gasket
17	301163	1	Bleed Screw
18	301164	1	Gasket
19	299748	1	Bleed Screw
20	299831	1	Fuel Return Hose

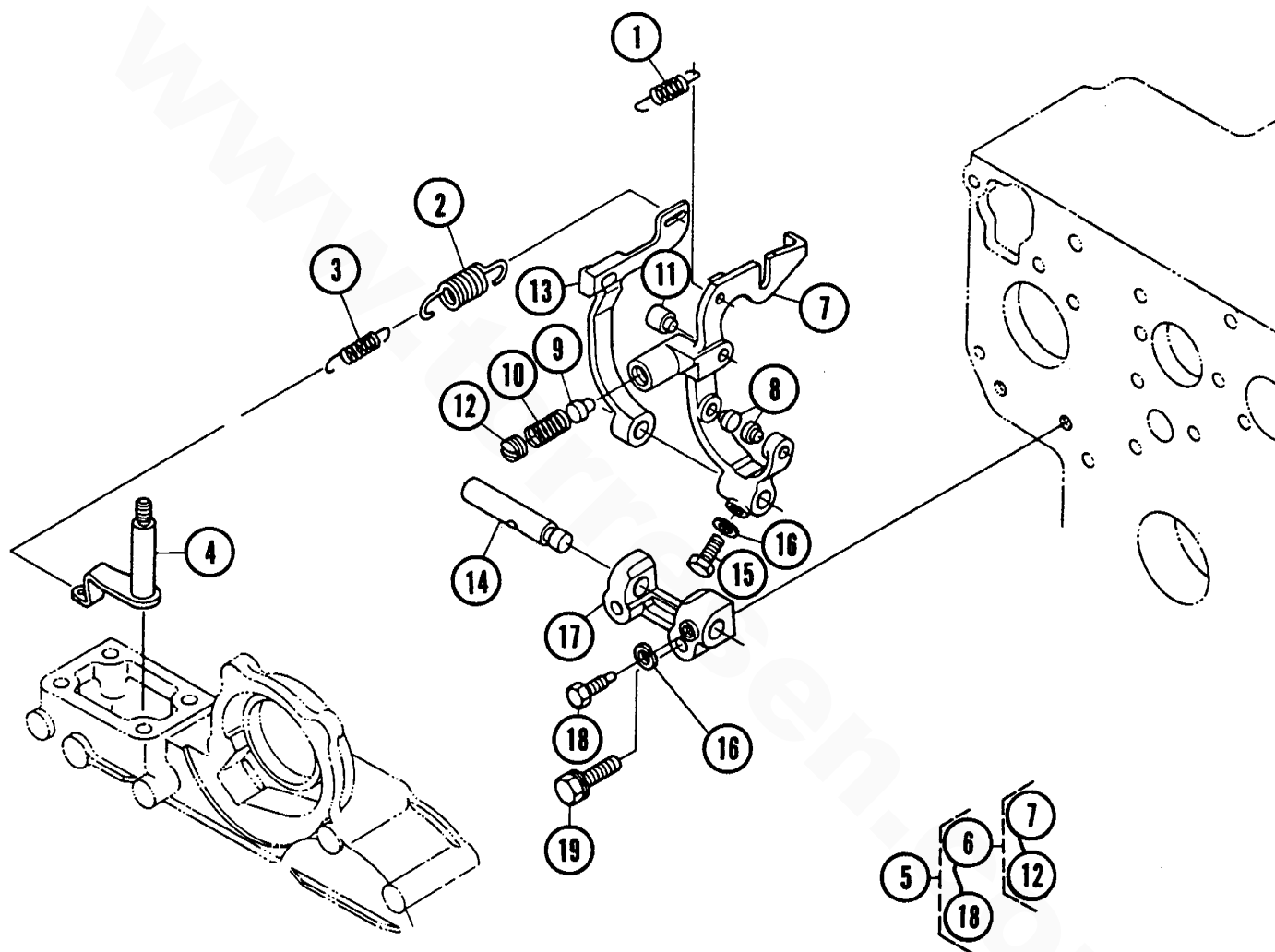
SPEED CONTROL PLATE GROUP



SPEED CONTROL PLATE GROUP

Item	Part No.	Unit	Description
1	301501	1	Bolt, Adjusting (Speed Control)
2	301502	1	Nut, Speed Control
3	301503	2	Packing, Speed Control
4	301504	1	Nut, Cap, Speed Control
5	301505	1	Cap, Speed Control
6	300178	1	Lever, Speed Control
7	299540	1	Key, Feather
8	299541	1	O-Ring
9	299542	1	Washer, Plain
10	299543	2	Nut
11	299544	1	Plate, Friction
12	300179	1	Cover, Speed Control
13	299545	1	Gasket, Control Plate
14	299432	3	Bolt
15	298825	1	Stud
16	298684	3	Nut
17	299369	1	Washer, Spring
18	298826	2	Stopper
19			Non Sale
20			Non Sale

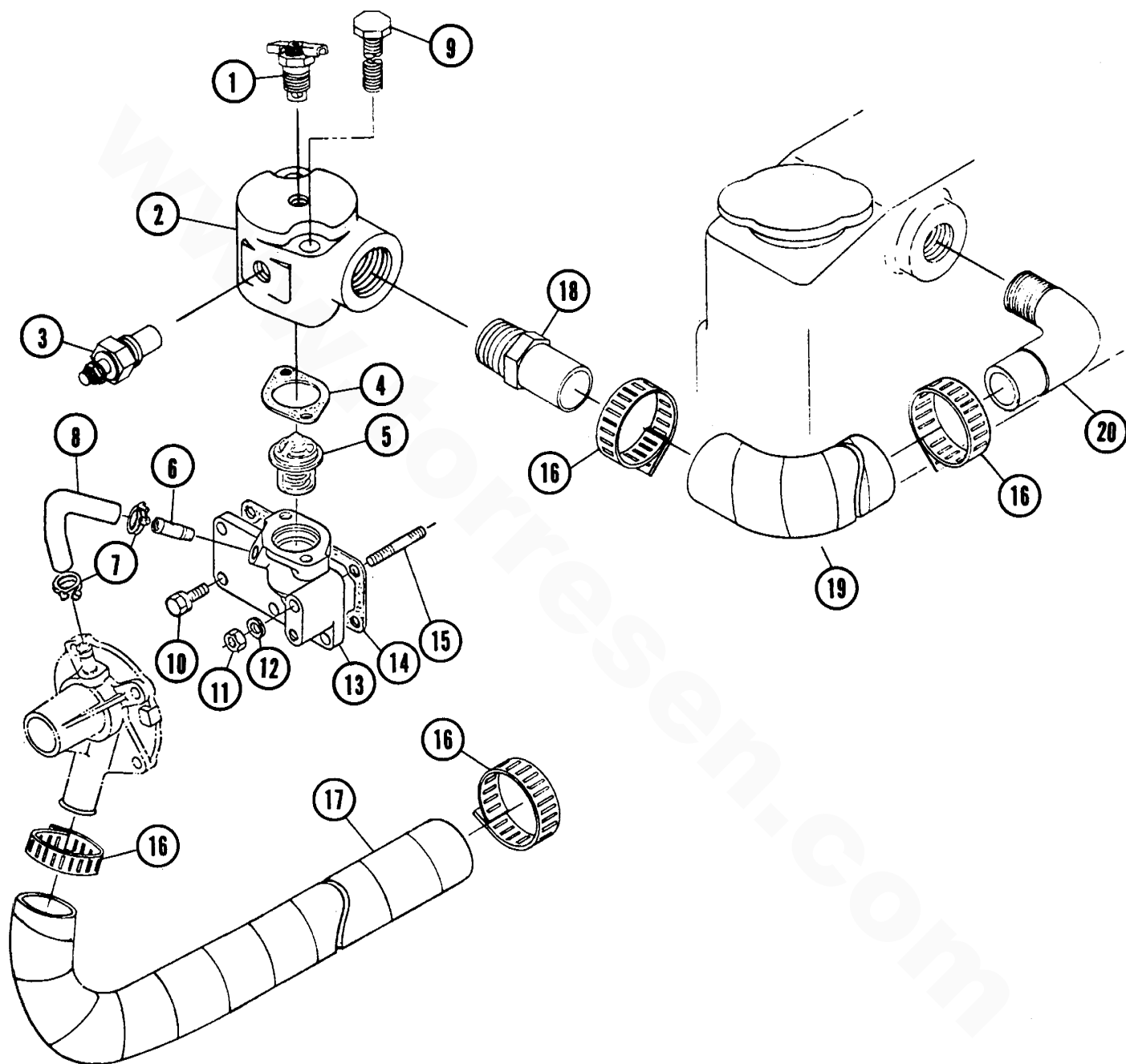
GOVERNOR GROUP



GOVERNOR GROUP

Item	Part No.	Unit	Description
1	298828	1	Spring, Start
2	301156	1	Spring, Governor 1
3	301157	1	Spring, Governor 2
4	300181	1	Comp. Lever, Governor
5	300182	1	Assembly Lever, Fork
6	300183	1	Comp. Lever, Fork
7			Order by Item No. 6
8			Order by Item No. 6
9			Order by Item No. 6
10			Order by Item No. 6
11			Order by Item No. 6
12			Order by Item No. 6
13	300184	1	Lever, Fork 2
14	300185	1	Shaft, Fork Lever
15	300186	1	Bolt
16	300187	2	Washer, Spring
17	300188	1	Holder, Fork Lever
18	300189	1	Bolt
19	299432	2	Bolt

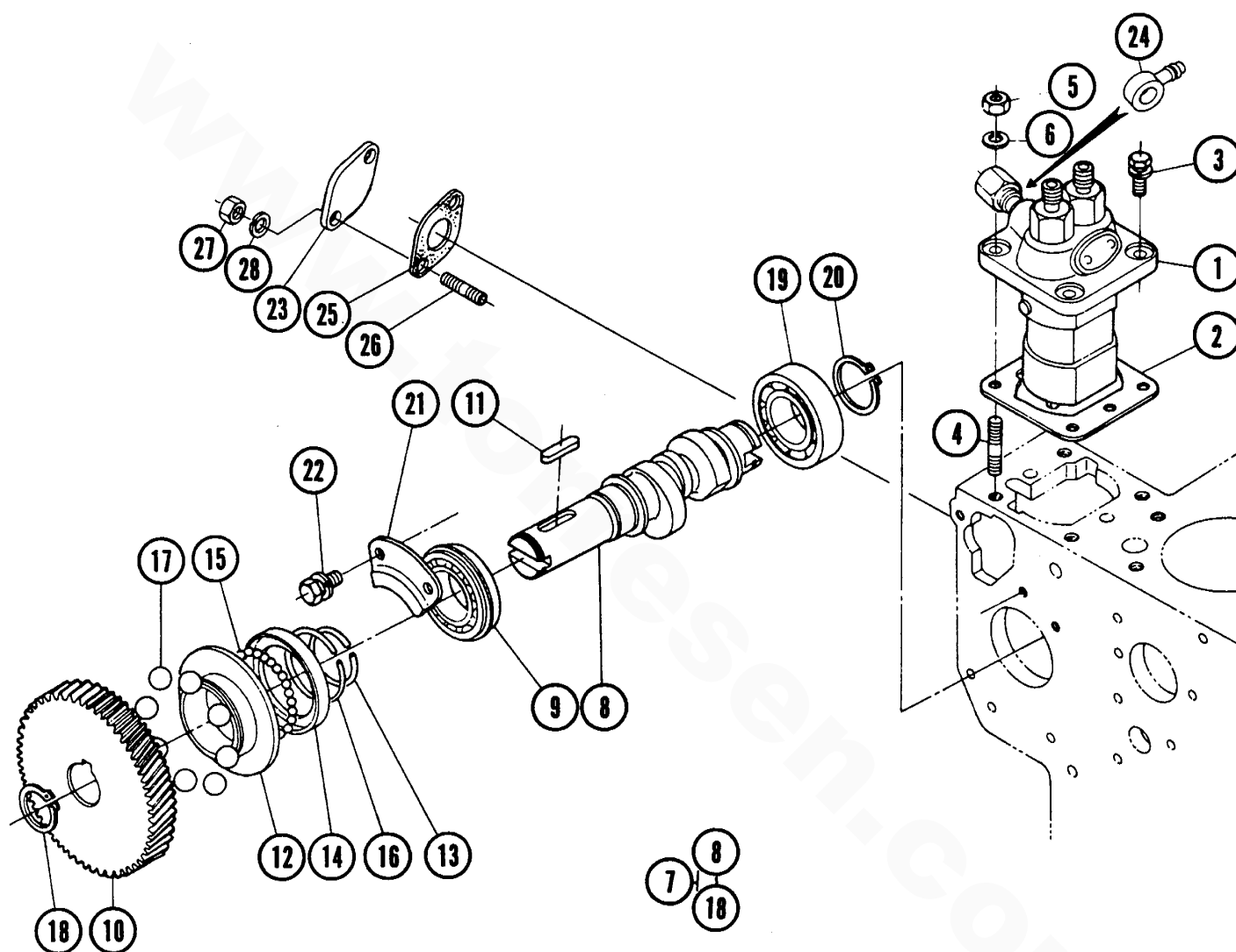
WATER FLANGE GROUP



WATER FLANGE GROUP

Item	Part No.	Unit	Description
1	239138	1	Drain Cock 1/8 MPT
2	300099	1	Thermostat Housing
3	299066	1	Temperature Sender
4	300237	1	Gasket Thermostat Housing
5	300281	1	Thermostat 160°
6	300235	1	Pipe
7	301397	2	Hose Clamp (USA)
8	300236	1	Hose
9	300330	2	Thermostat Mounting Bolts (6mm x 50mm)
10	299462	3	Bolt
11	298684	1	Nut
12	299369	1	Spring Washer
13	300233	1	Flange Water
14	300234	1	Gasket Water Flange
15	301506	1	Stud
16	298648	4	Hose Clamp No. 12
17	299080	1	Wire Flex Hose 7/8 I.D. x 27-1/2 Lg.
18	286075	1	Hose Connector 3/4 MPT to 7/8 I.D. Hose
19	300816	1	Wire Flex Hose 7/8 I.D. x 7" Lg.
20	298644	1	Hose Connector EL-90 3/4 MPT to 7/8 Hose

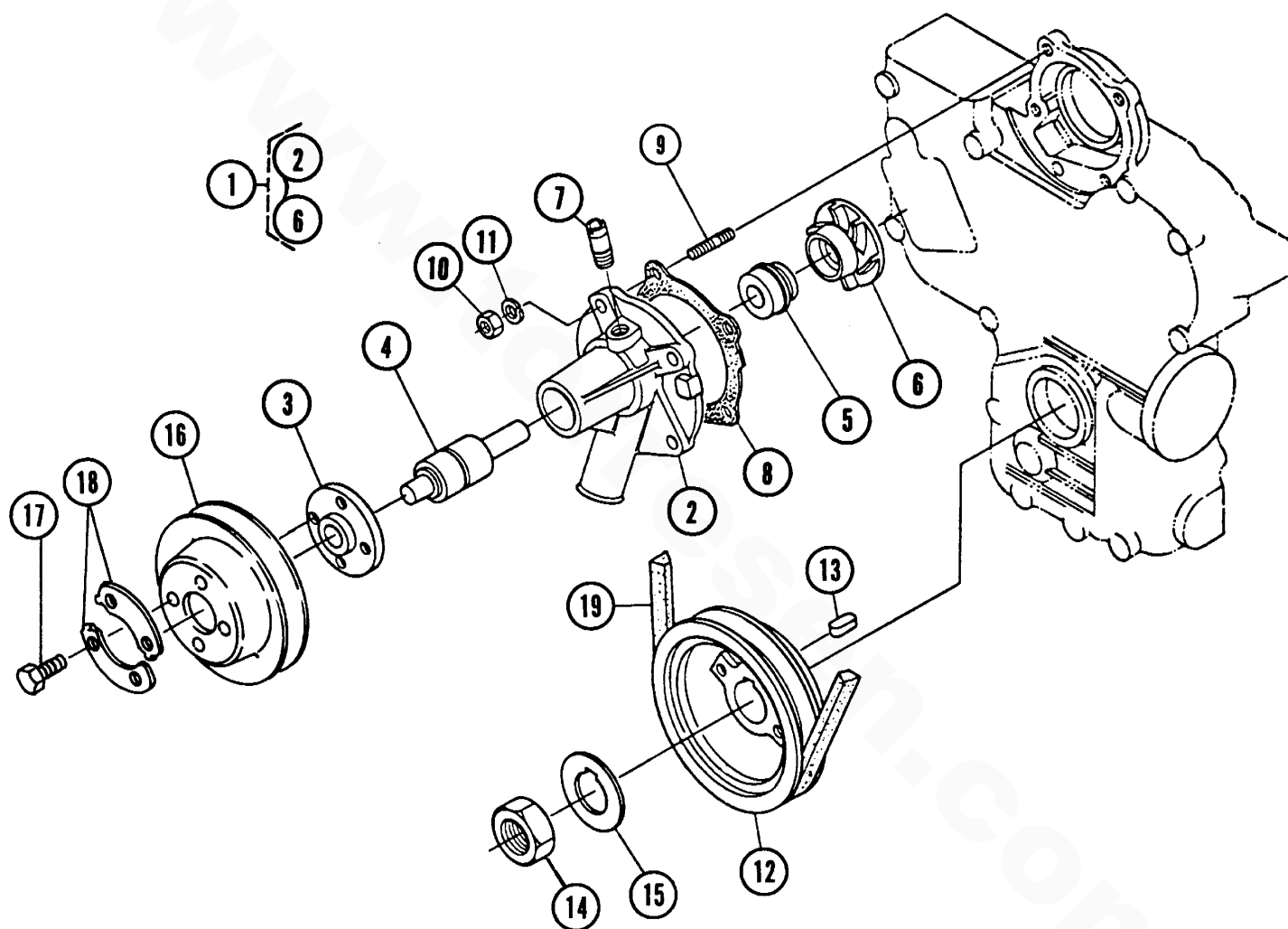
FUEL CAMSHAFT GROUP



FUEL CAMSHAFT GROUP

Item	Part No.	Unit	Description
1	299525	1	Assembly Pump, Injection
2	299526		Shim, Injection Pump
3	299527	2	Bolt
4	300231	2	Stud
5	299529	2	Nut
6	299583	2	Washer, Spring
7	299530	1	Assembly Camshaft, Fuel
8	301527	1	Camshaft, Fuel
9	300195	1	Bearing, Ball
10	300196	1	Gear, Injection Pump
11	299531	1	Key, Feather
12	300197	1	Sleeve, Governor
13	300198	1	Cir-Clip, Governor Sleeve
14	299532	1	Case, Governor Ball
15	299533	30	Ball
16	300199	1	Cir-Clip, Governor Ball Case
17	299534	8	Ball
18	299535	1	Cir-Clip, External
19	299536	1	Bearing, Ball
20	299537	1	Cir-Clip External
21	300200	1	Stopper, Fuel Camshaft
22	299462	2	Bolt
23	299822	1	Cover
24	299428	1	Joint
25	299426	1	Gasket, Cover
26	300147	2	Stud
27	299041	2	Nut
28	299369	2	Washer, Spring

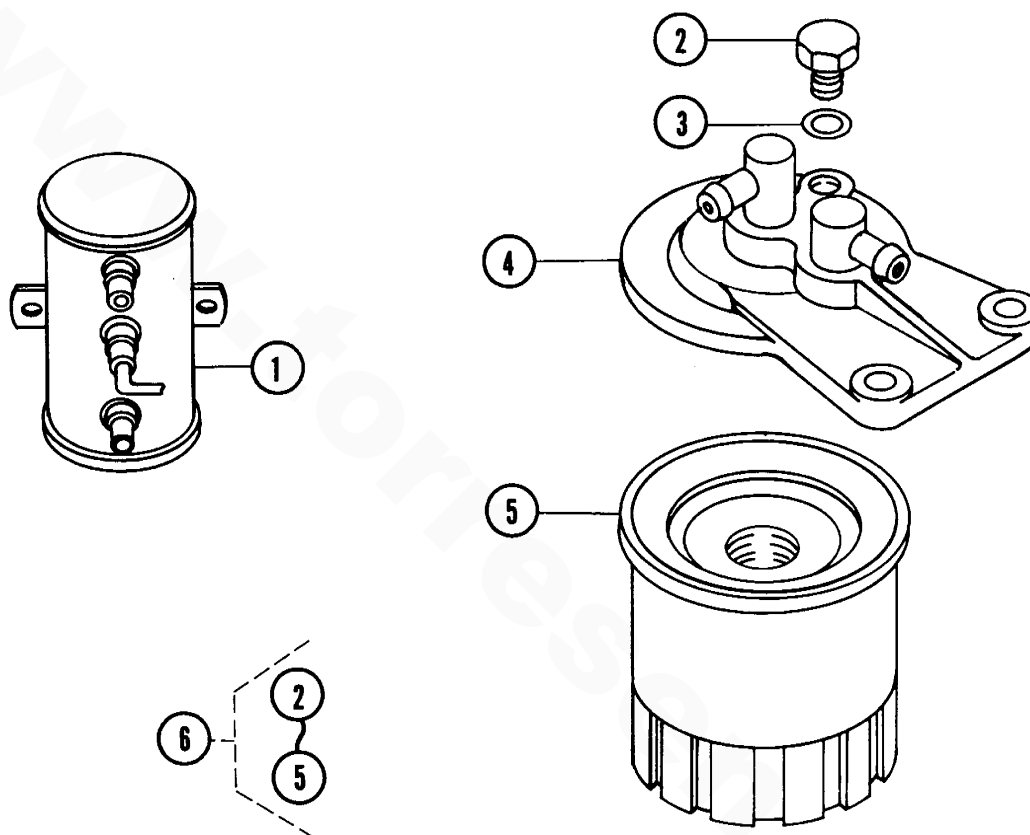
WATER PUMP GROUP



WATER PUMP GROUP

Item	Part No.	Unit	Description
1	300203	1	Assembly Pump, Water
2			Order by Unit No. 1
3	301518	1	Flange, Water Pump
4	301058	1	Bearing
5	301159	1	Assembly Mechanical Seal
6	301160	1	Impeller, Water Pump
7	301519	1	Pipe, Water Return 1
8	300204	1	Gasket, Water Pump
9	300205	4	Stud
10	298684	4	Nut
11	299369	4	Washer, Spring
12	299548	1	Pulley, Fan Drive
13	299549	1	Key, Feather
14	299550	1	Nut, Crankshaft
15	300232	1	Washer, Crankshaft
16	301515	1	Pulley, Fan
17	299379	4	Bolt
18	301517	2	Washer, Fan
19	300817		Belt

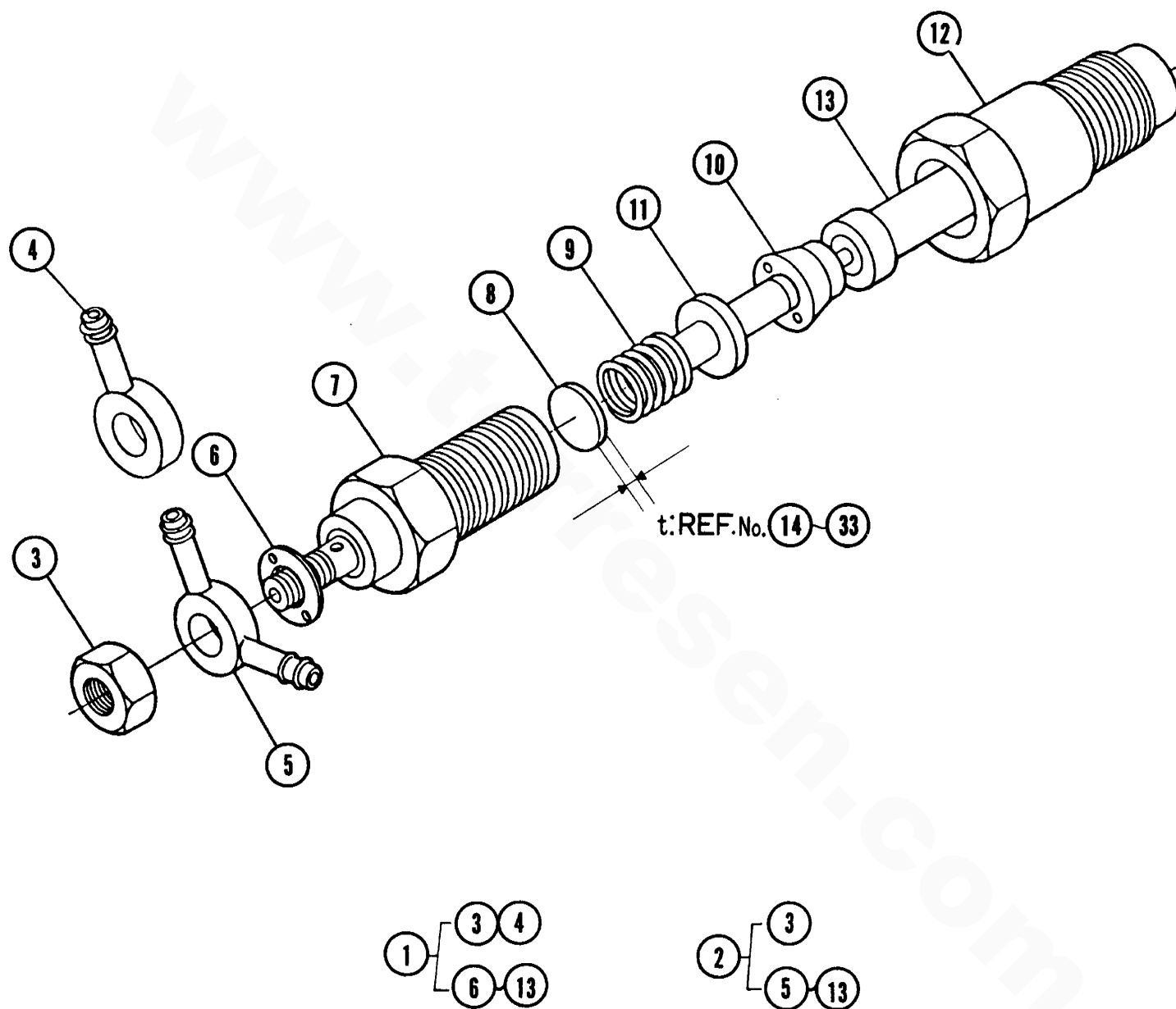
FUEL FILTER GROUP



FUEL FILTER GROUP

Item	Part No.	Unit	Description
1	301385	1	Electric Fuel Pump
2	299855	1	Bleed Screw
3	299856	1	O-Ring
4	301602	1	Fuel Filter Cover
5	298854	1	Fuel Filter Element
6	298853	1	Fuel Filter Assembly

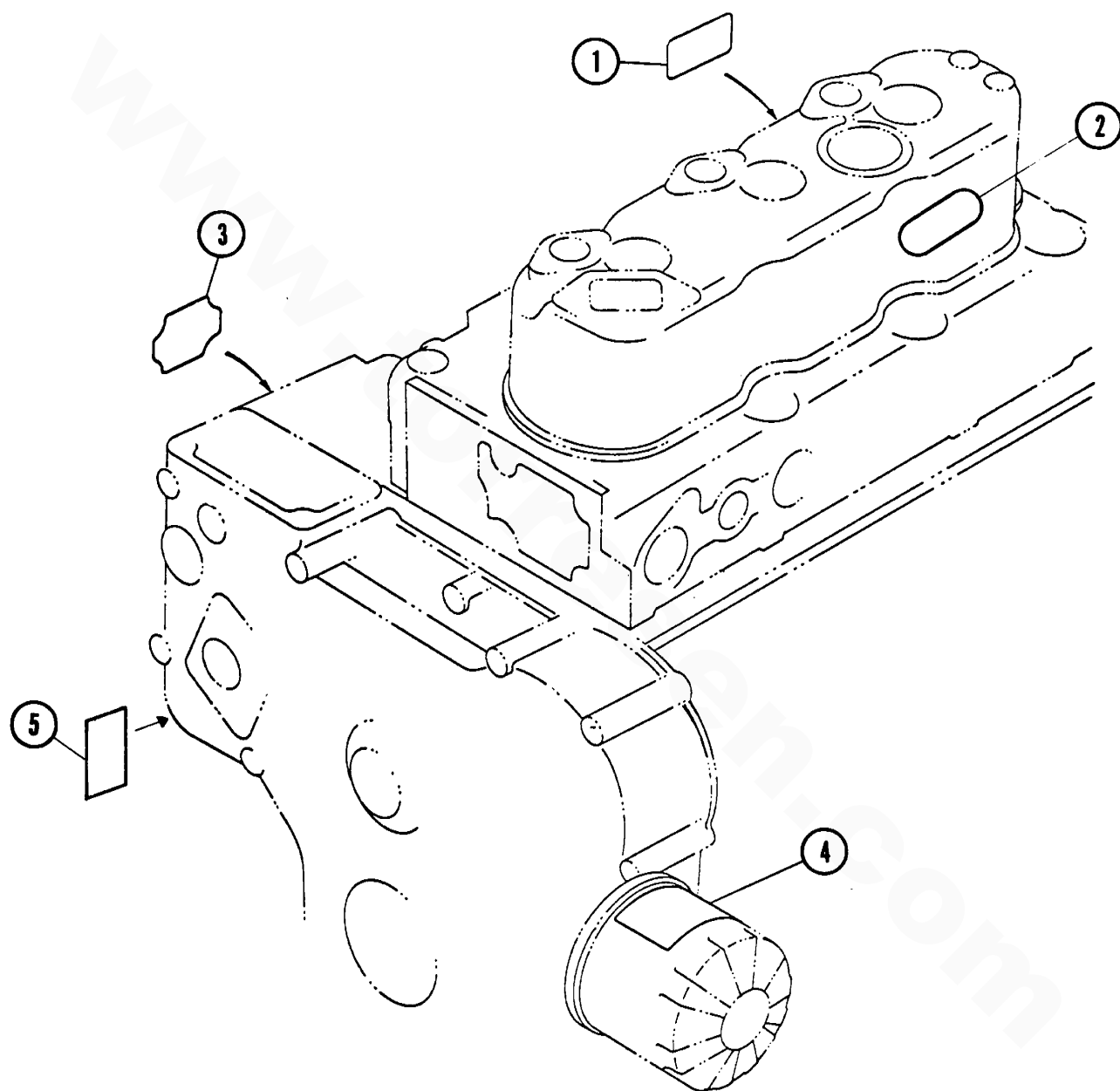
NOZZLE HOLDER



NOZZLE HOLDER

Item	Part No.	Unit	Description
1	299517	1	Assembly, Nozzle 1
2	299518	1	Assembly, Nozzle 2
3	301508	1	Nut
4	301161	1	Fuel, Eye 1 Return
5	301162	1	Fuel, Eye 2 Return
6	301137	1	Washer, Plain
7			Order by Item No. 2
8	301509	1	Washer, Adjusting
9	301510	1	Spring, Nozzle
10	301511	1	Piece, Distance
11	301512	1	Rod, Push
12	301513	1	Nut, Nozzle
13	301514	1	Piece, Nozzle
NOTE: Items 14-33 available in sizes ranging from 1.00 to 1.95 mm in .05 increments.			

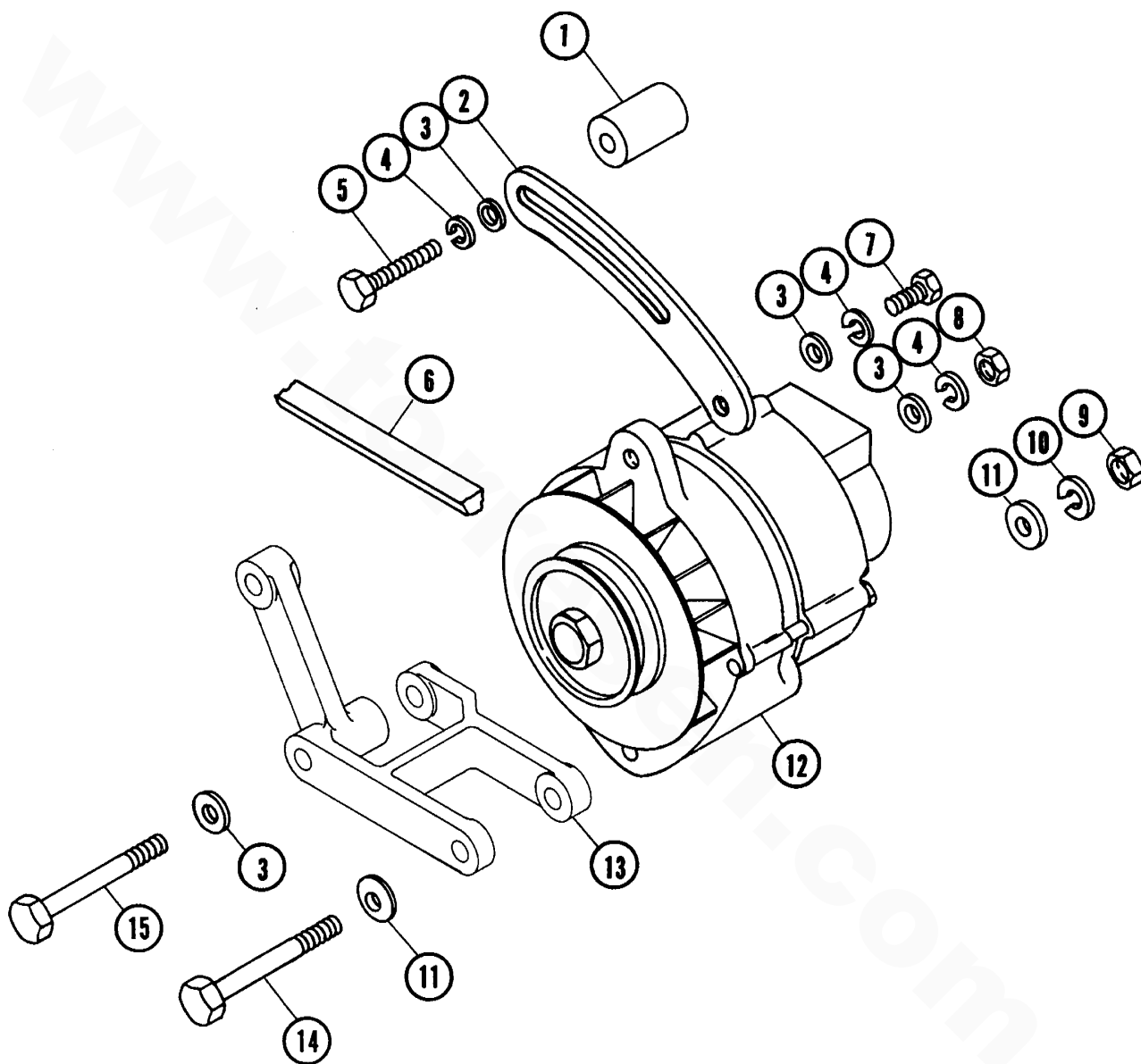
NAME PLATE GROUP



NAME PLATE GROUP

Item	Part No.	Unit	Description
1	298851	1	Label, Glow Plug
2	299609	1	Label, Oil
3	298850	1	Label, Instruction
4	298849	1	Label, Instruction
5	298847	1	Label, Drainage

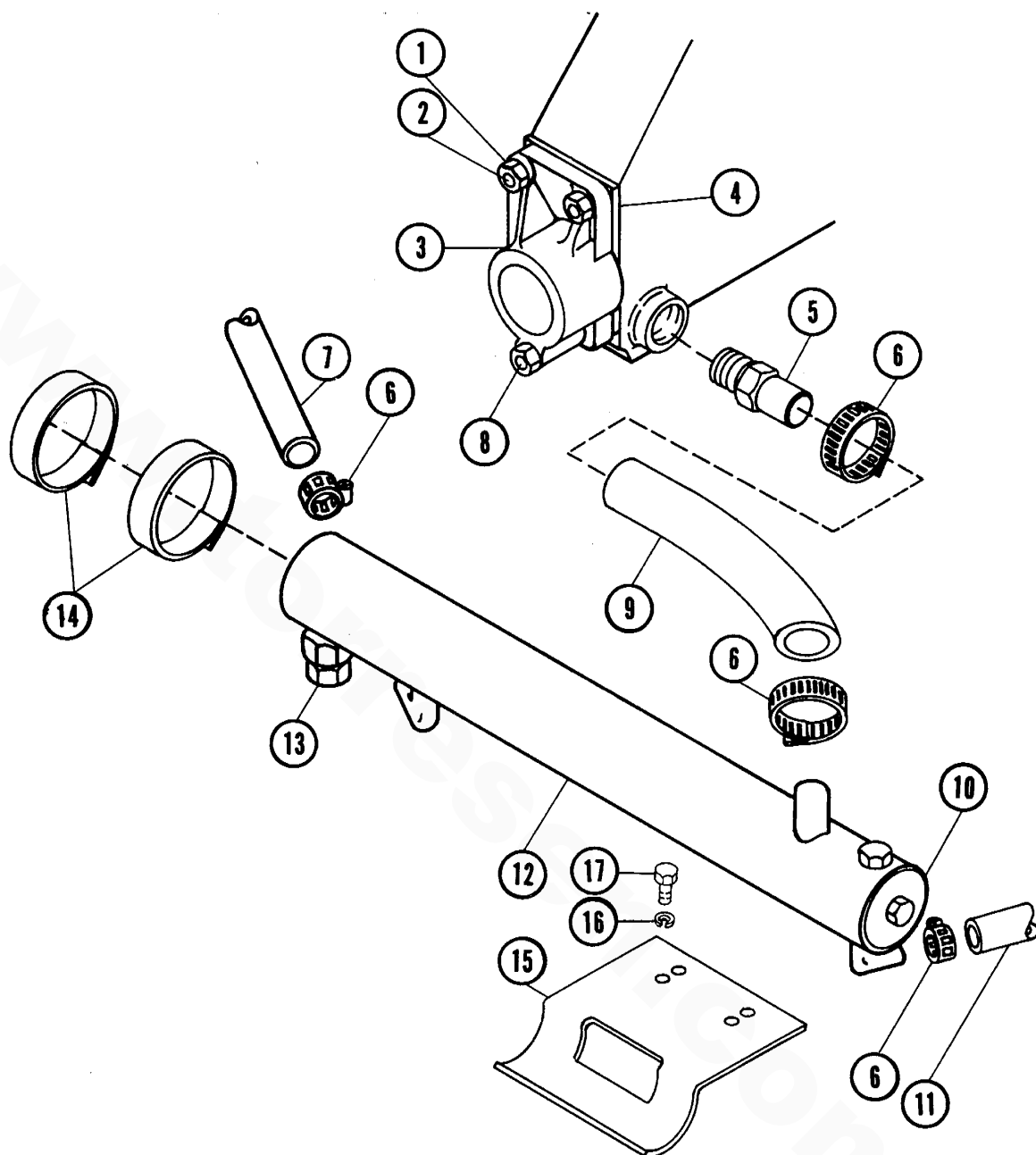
ALTERNATOR GROUP



ALTERNATOR GROUP

Item	Part No.	Unit	Description
1	300105	1	Spacer, Alternator Arm
2	299809	1	Alternator Adjusting Arm
3	231875	4	Washer, 5/16 Plain
4	231891	3	Washer, Spring Lock 5/16
5	301091	1	Screw, Hex Head 5/16-18 x 3-1/4
6	300809	1	V-Belt
7	231057	1	Hex Head Cap Screw 5/16-18 x 3/4
8	230141	1	Hex Nut 5/16-18
9	230144	1	Hex Nut 3/8-16
10	231895	1	Washer, 3/8 Spring Lock
11	231876	2	Washer, 3/8 SAE
12	300800	1	Alternator
13	300950	1	Bracket, Alternator Mounting Assembly
14	231093	1	Hex Head Cap Screw 3/8-16 x 3-3/4
15	243061	1	Hex Head Cap Screw 5/16-18 x 4-1/2

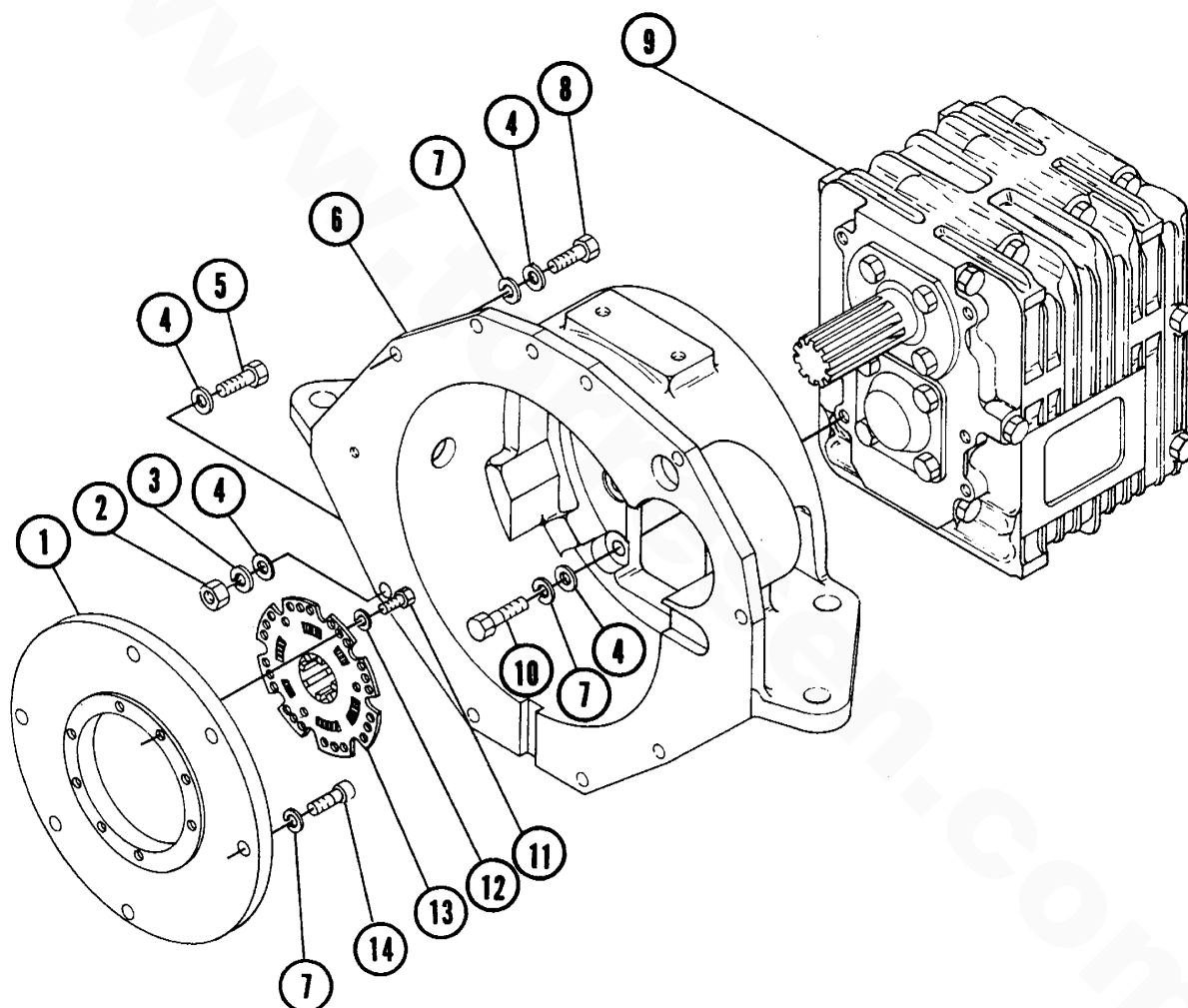
HEAT EXCHANGER GROUP



HEAT EXCHANGER GROUP

Item	Part No.	Unit	Description
1	230147	3	Hex Nut 3/8-24
2	276440	2	Stud 3/8-16 & 24 x 1-7/16
3	298599	1	Exhaust Flange
4	298600	1	Gasket, Exhaust Flange
5	286075	1	Hose Connector
6	298648	4	Hose Clamp
7	301077	1	Hose
8	298974	1	Stud 3/8-16 & 24 x 2-5/8
9	300312	1	Wire Flex Hose 7/8 I.D.
10	299838	1	Cover Plate & Gasket
11	301066	1	Hose
12	298633	1	Heat Exchanger
13	301069	1	Zinc
14	294386	2	Hose Clamp No. 28
15	301142	1	Heat Exchanger Bracket
16	015395	4	Lockwasher
17	231059	4	Bolt

BELL HOUSING GROUP



BELL HOUSING GROUP

Item	Part No.	Unit	Description
1	300315	1	Plate, Damper Mounting
2	230141	1	Hex Nut 5/16-18
3	231891	1	Washer, 5/16 Lock
4	231875	14	Washer, 5/16 Plain
5	231061	1	Hex Head Cap Screw 5/16-18 x 1-1/2
6	300945	1	Bell Housing
7	298461		Washer, 8mm Lock
8	298539	6	Hex Head Cap Screw 8m x 28mm
9	300115	1	Standard Transmission
	299942	1	"V" Drive Transmission
10	298468	6	Hex Head Cap Screw 8m x 25mm
11	298458	8	Hex Head Cap Screw 5mm x 12mm
12	298459	8	Washer, Split Lock
13	299156	1	Damper, Reverse Gear
14	298460	6	Socket Head Cap Screw 8mm x 25mm

This exploded view diagram illustrates the assembly of a mechanical component, likely a bracket or support. The parts are numbered 1 through 16:

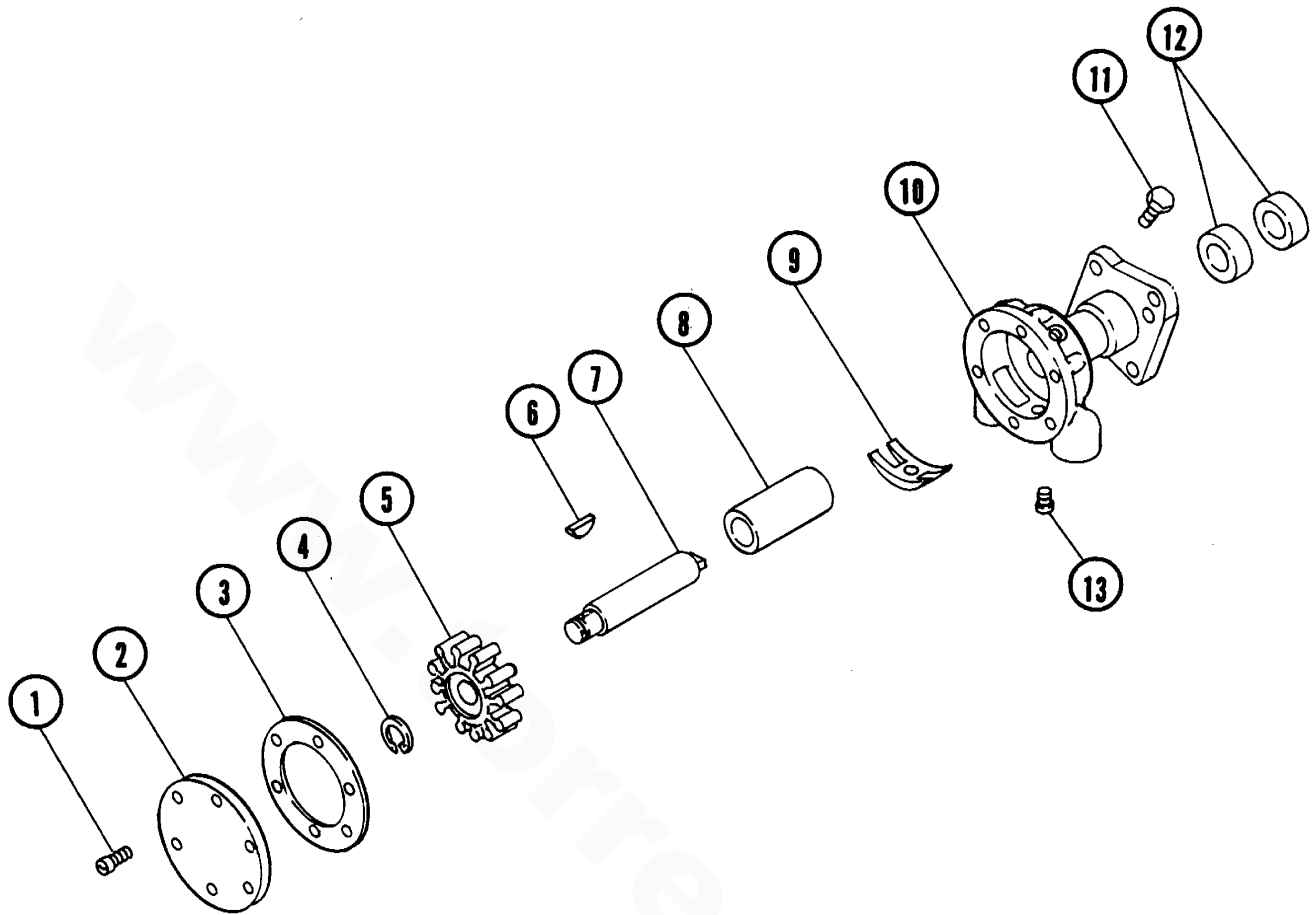
- 1:** Two L-shaped mounting brackets.
- 2:** Four hex nuts.
- 3:** A long threaded rod with a hex head.
- 4:** Two washers.
- 5:** A small circular washer or spacer.
- 6:** A small hex nut.
- 7:** A large, angled metal plate with multiple mounting holes.
- 8:** A large cylindrical roller or pulley.
- 9:** A small circular washer or spacer.
- 10:** A threaded rod with a hex head.
- 11:** A small circular washer or spacer.
- 12:** A small hex nut.
- 13:** A small hex nut.
- 14:** A small hex nut.
- 15:** A small hex nut.
- 16:** A small metal clip or pin.

The diagram shows the relative positions of these components, indicating how they fit together to form the final assembly. A large, faint watermark "www.m-h.com" is visible across the background.

THROTTLE BRACKET GROUP

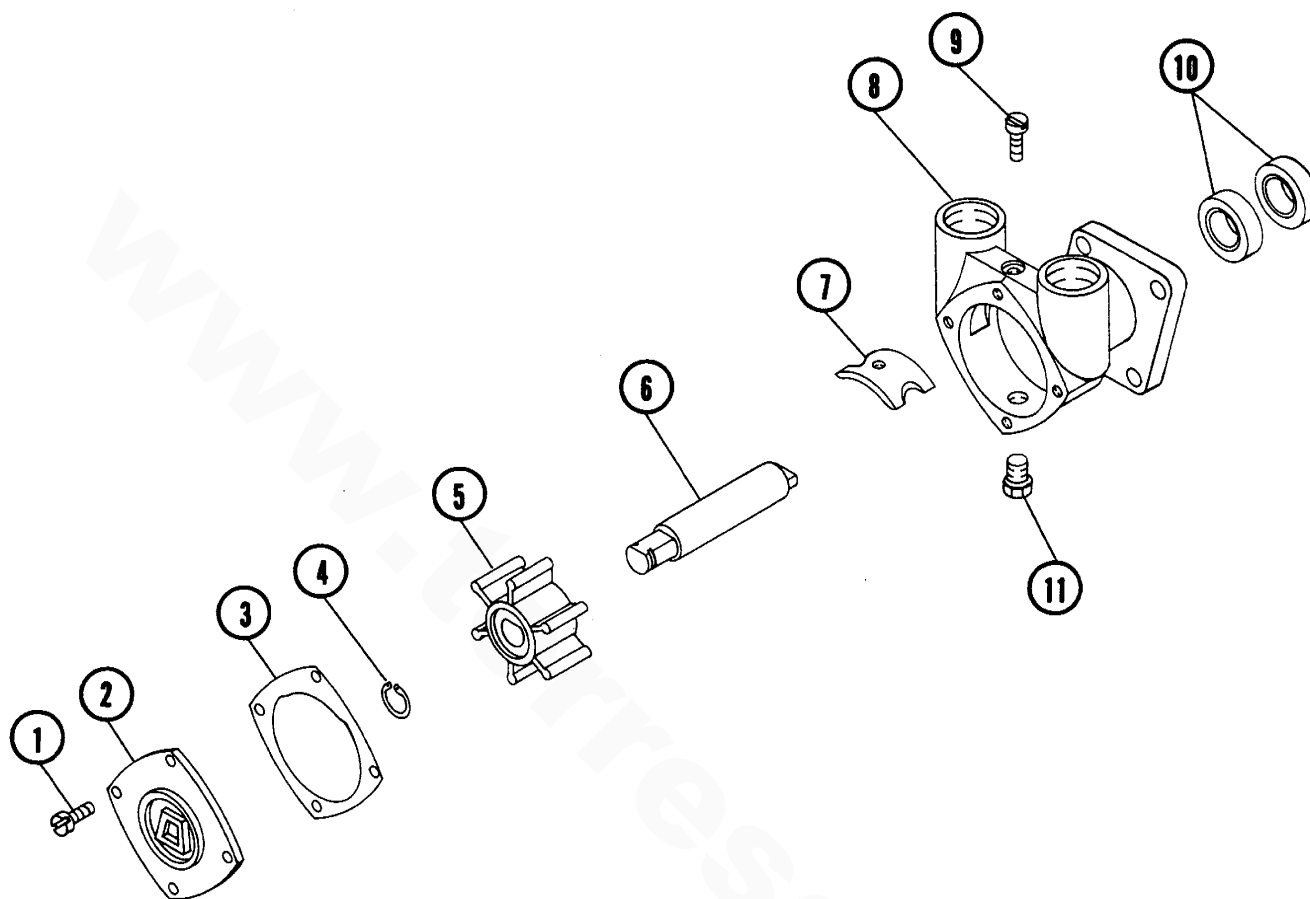
Item	Part No.	Unit	Description
1	299767-A	2	Ball Joint
2	230184	4	Hex Jam Nut 1/4-28
3	299792-A	1	Adjustment Rod
4	231907	2	Lock Washer 1/4
5	231890	2	Medium Spring Lock Washer No. 10
6	294581	3	Machine Screw Nut No. 10-24
7	300958	1	Throttle Bracket
8	300090-A	1	Spacer, Lever
9	231906	2	Lock Washer 5/16
10	299290-A	2	Hex Head Cap Screw 8mm x .787
11	298630-A	1	Cable Clip
12	231211	2	Round Head Machine Screw No. 10-24 x 5/8
13	299019-A	1	Pivot, Throttle Cable
14	231452	1	Socket Head Shoulder Screw No. 10-24 x 1/4
15	300826-A	1	Lever, Throttle
16	230281	1	Cotter Pin

SHERWOOD WATER PUMP



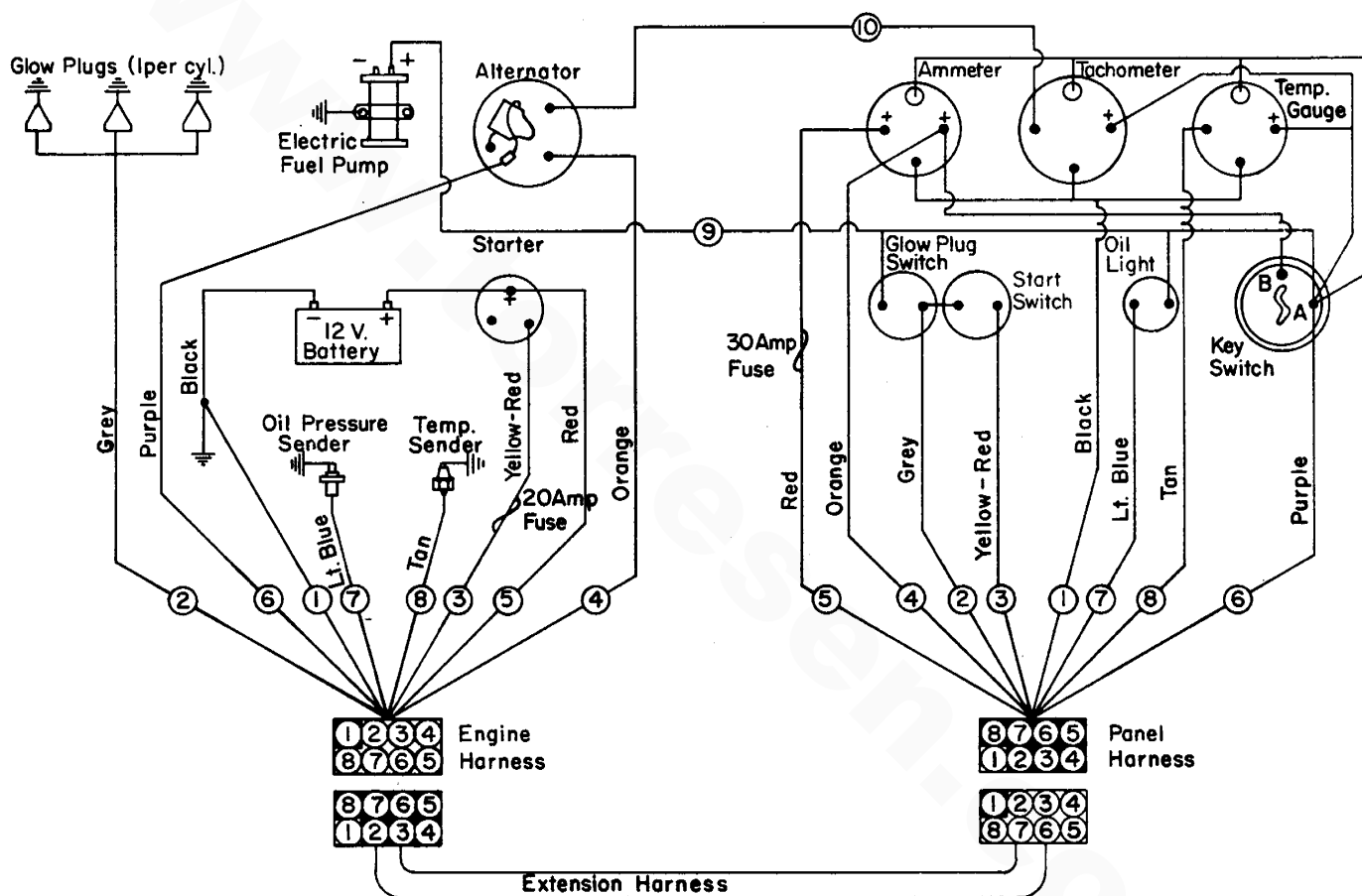
Item	Part No.	Unit	Description
1	299895	6	Cover Screws
2	299391	1	Pump Cover
3	295745	1	Cover Gasket
4	299893	1	Impeller Snap Ring
5	287439	1	Impeller
6	299896	1	Key
7	299888	1	Pump Shaft
8	299889	1	Water Seal
9	299894	1	Cam
10	299890	1	Pump Body
11	299895	1	Cam Locking Screw
12	262286	2	Oil Seal
13	239136	1	Drain Plug

ORBERDORFER WATER PUMP



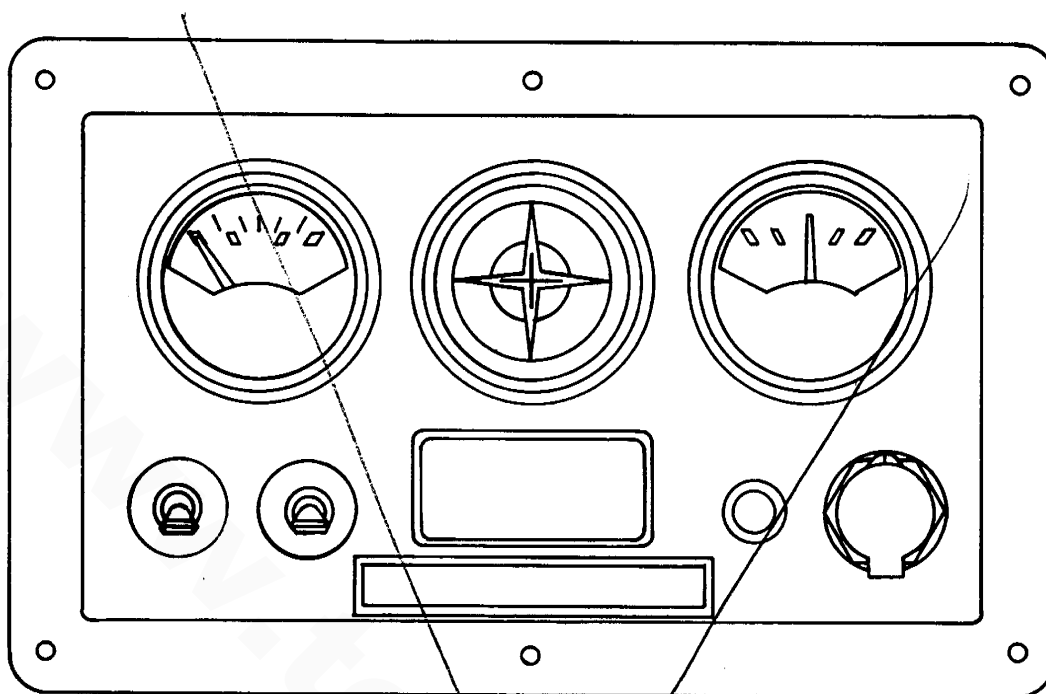
Item	Part No.	Unit	Description
1	296580	4	Cover Screws
2	296578	1	Pump Cover
3	295626	1	Cover Gasket
4	295629	1	Impeller Snap Ring
5	295628	1	Impeller
6	296575	1	Pump Shaft
7	298889	1	Cam
8		1	Pump Body
9	296580	1	Cam Locking Screw
10	295627	2	Oil Seal
11	296576	1	Drain Plug

WIRING DIAGRAM

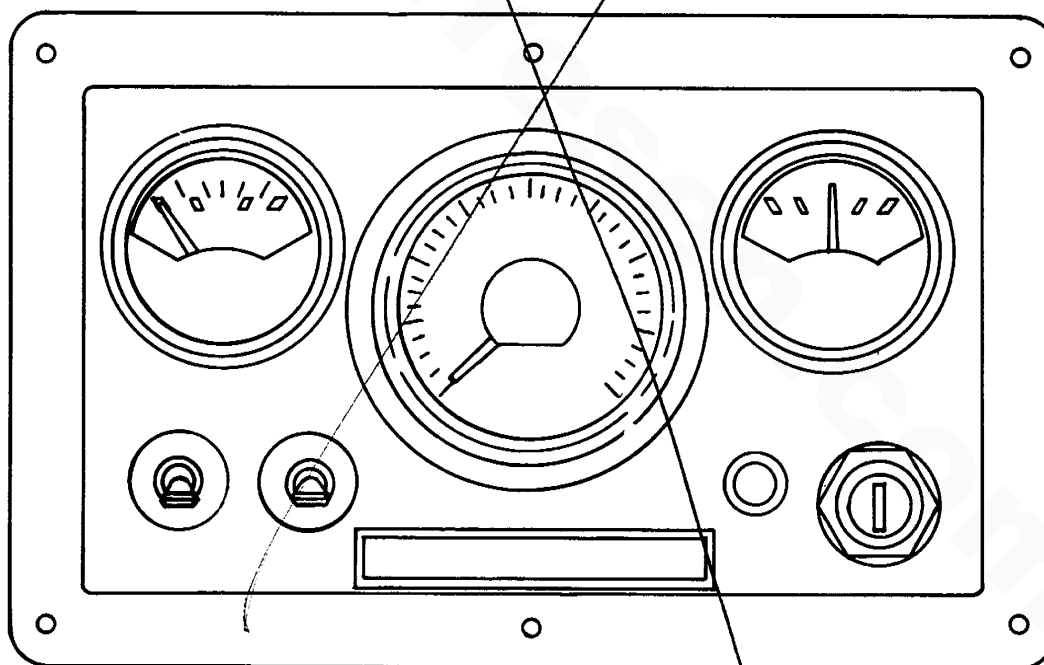


WIRE No.	COLOR	WIRE SIZE
1	Black	*10
2	Grey	10
3	Yellow-Red	16
4	Orange	10
5	Red	10
6	Purple	16
7	Lt. Blue	16
8	Tan	16
9	Open	14
10	Grey	16

MEDALLION PANELS
(No Longer Available)

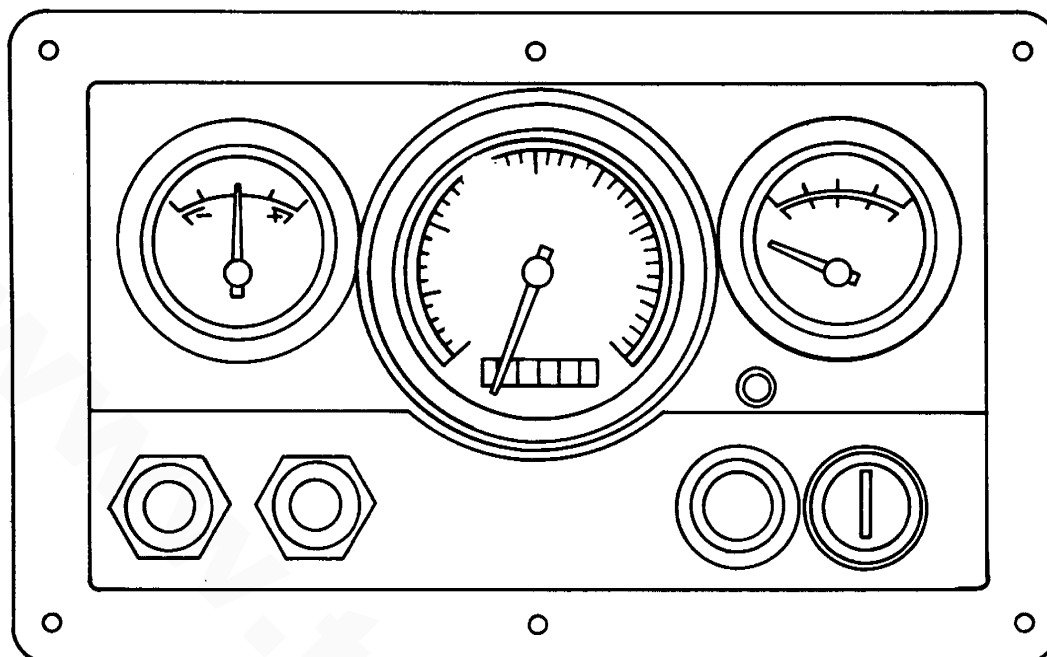


299626 STANDARD PANEL

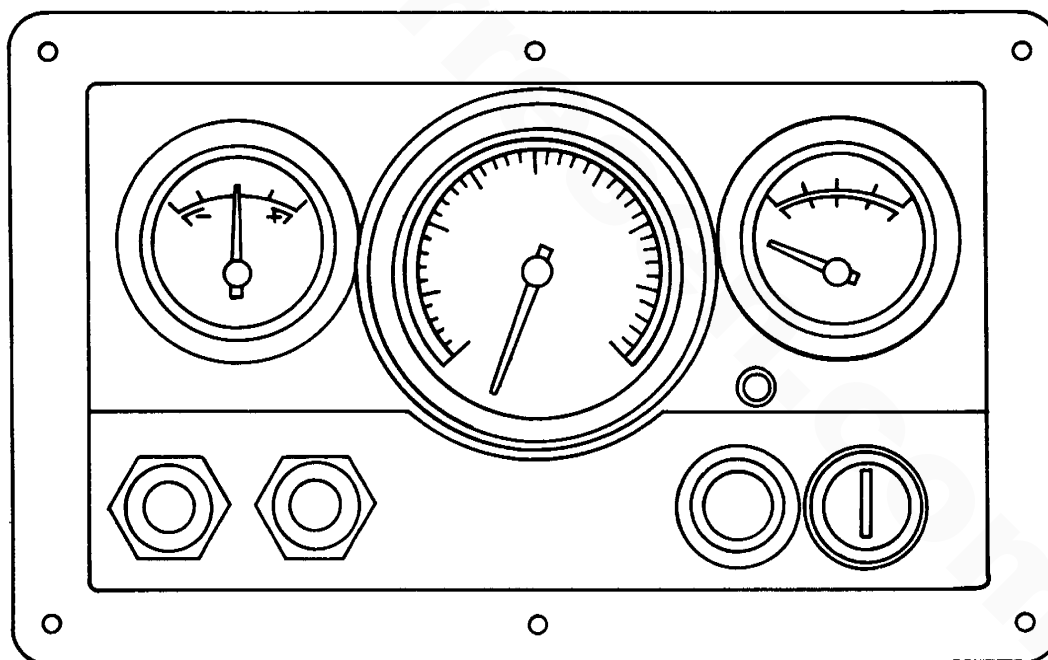


299683 DELUXE PANEL

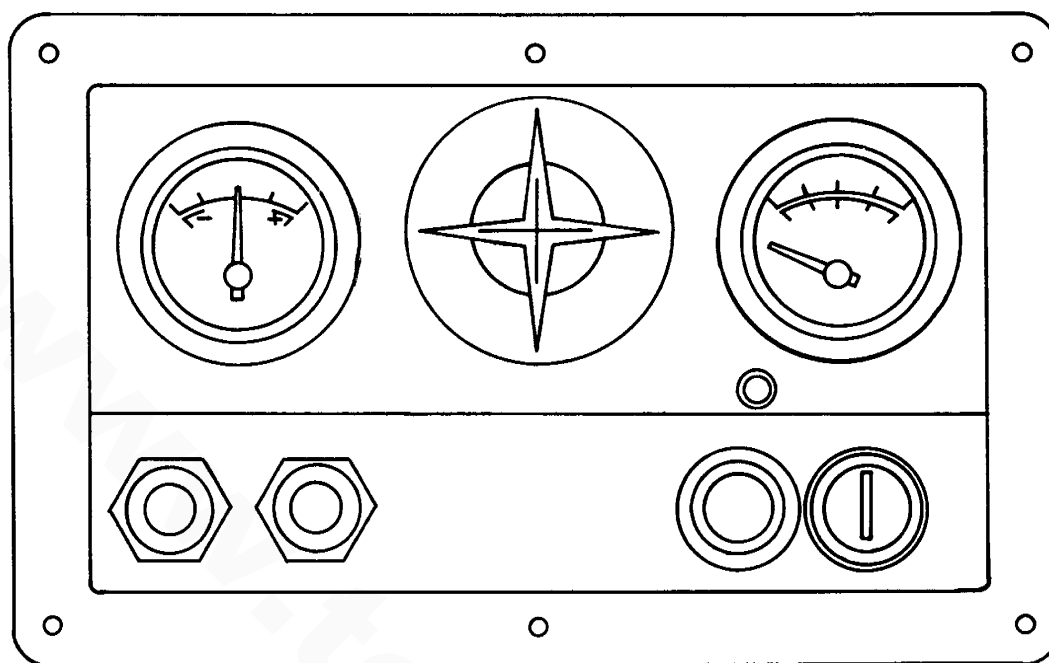
NOVATRON PANELS



300690 CUSTOM PANEL



300685 DELUXE PANEL

NOVATRON PANELS**300680 STANDARD PANEL**

NOVATRON INSTRUMENT PANEL		
Part No.	Unit	Description
300690	Optional	Special Deluxe Panel-Tachometer w/Hourmeter w/Warning Light and Buzzer
301101	Optional	Blank Panel w/Holes
300685	Optional	Deluxe Panel - w/Tachometer
301100	1	Blank Panel w/Holes
300680	1	Standard Panel
301099	1	Blank Panel w/Holes
300668	1	Ammeter
300669	1	Oil Light
300670	1	Temperature Gauge
300671	1	Ignition Switch
300672	2	Glow and Start Button
300673	1	35 Amp Circuit Breaker
300674	1	10 Amp Circuit Breaker
300675	1	10 Foot Extension Harness
300676	1	Panel Harness Assembly
300684	Optional	Tachometer for 300685 Panel
300687	Optional	Tachometer w/Hourmeter for 300690 Panel
300688	Optional	Buzz Light for 300690 Panel
300689	Optional	Tachometer Wire for 300690 Panel
300708	Optional	5 Foot Extension Harness

256830 ONBOARD SPARE PARTS KIT M-18	
Part No.	Description
298416	Pump Repair Kit
298600	Exh. Flange Gasket
298854	Fuel Oil Element
299517	Nozzle Assembly Holder
299685	Glow Plug
300209	Cartridge - Oil Filter
300327	Gasket
300817	V-Belt, Oil & Heat Resistant
374747	Hose Clamp 3/8"
Valve Grind Gasket Set M-18 256837	
Complete Gasket Set M-18 256838	

STANDARD COUPLING KITS		
	Rigid	Flex
3/4"	256741	298568
7/8"	256742	298569
1"	256743	298484
1-1/8"	256744	298570
1-1/4"	256745	299300

V-DRIVE COUPLING KITS		
	Rigid	Flex
3/4"	256775	256780
7/8"	256776	256781
1"	256777	256782
1-1/8"	256778	256783
1-1/4"	256779	N/A

POWER TAKE-OFF	
Part No.	Description
300658	5" Single PTO Assembly
300660	5" Double PTO Assembly
300659	7" Single PTO Assembly
300661	7" Double PTO Assembly
300662	5" and 7" PTO Assembly
300649	Coupling
300631	5" Sheave
300648	7" Sheave

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