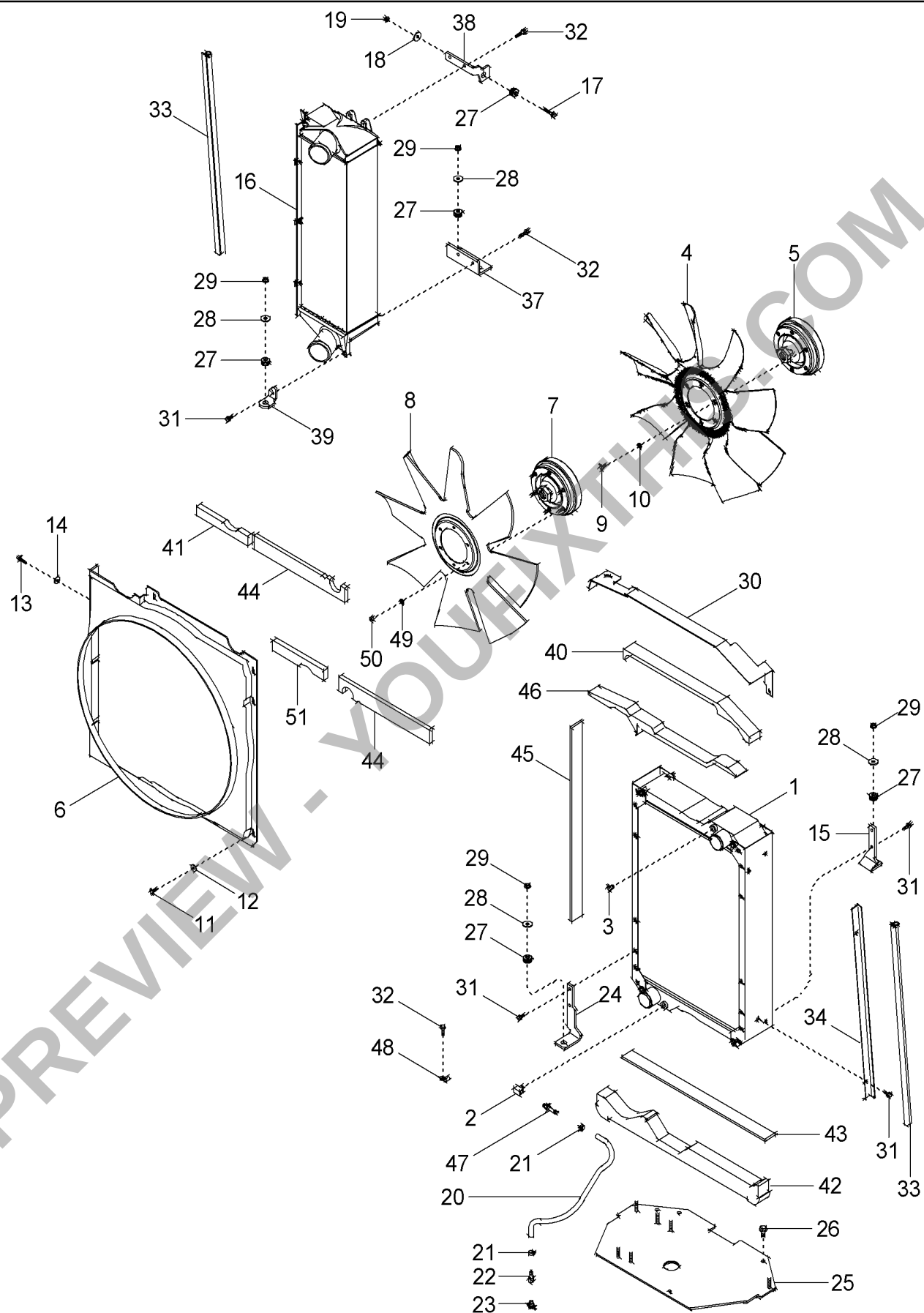
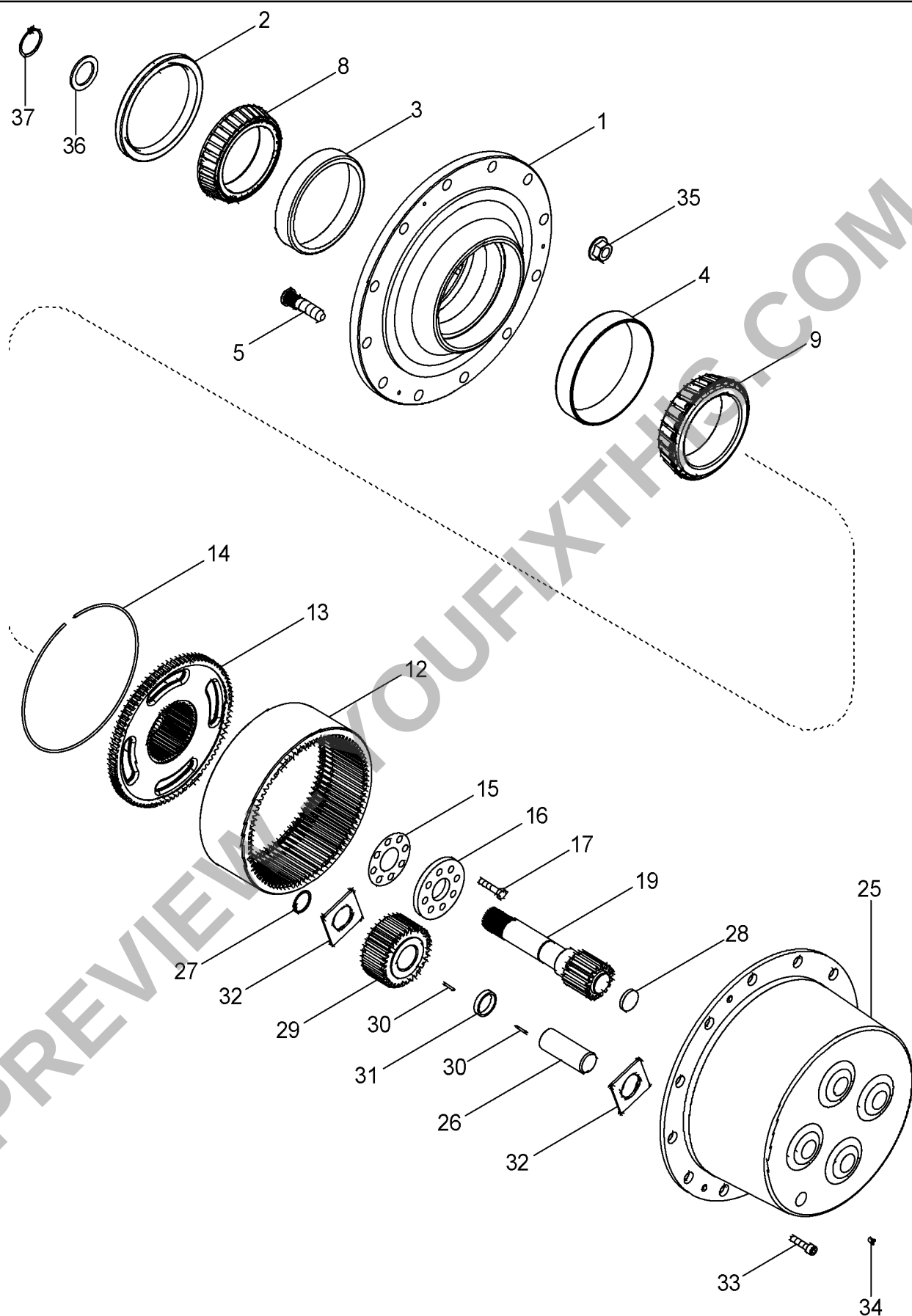
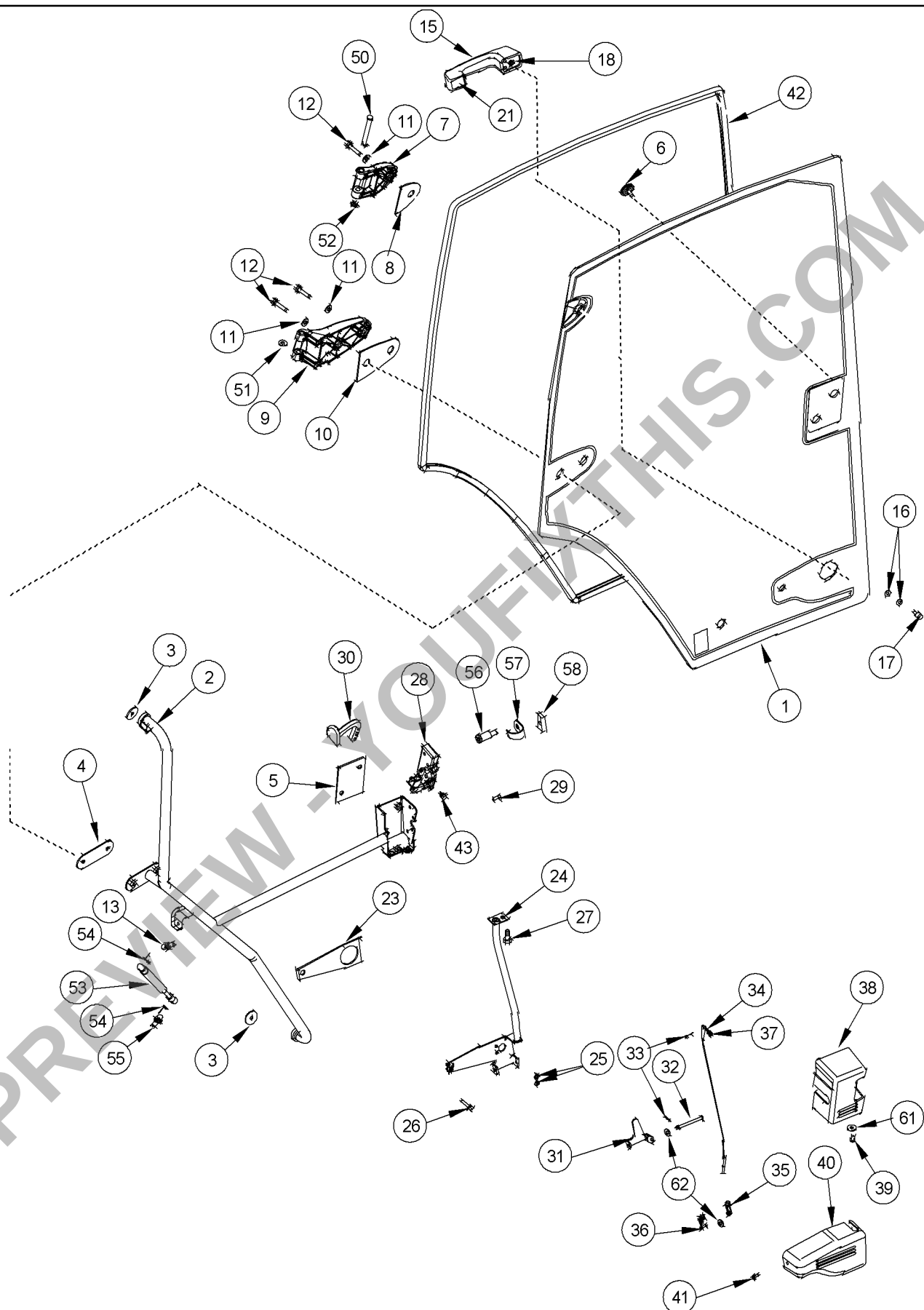


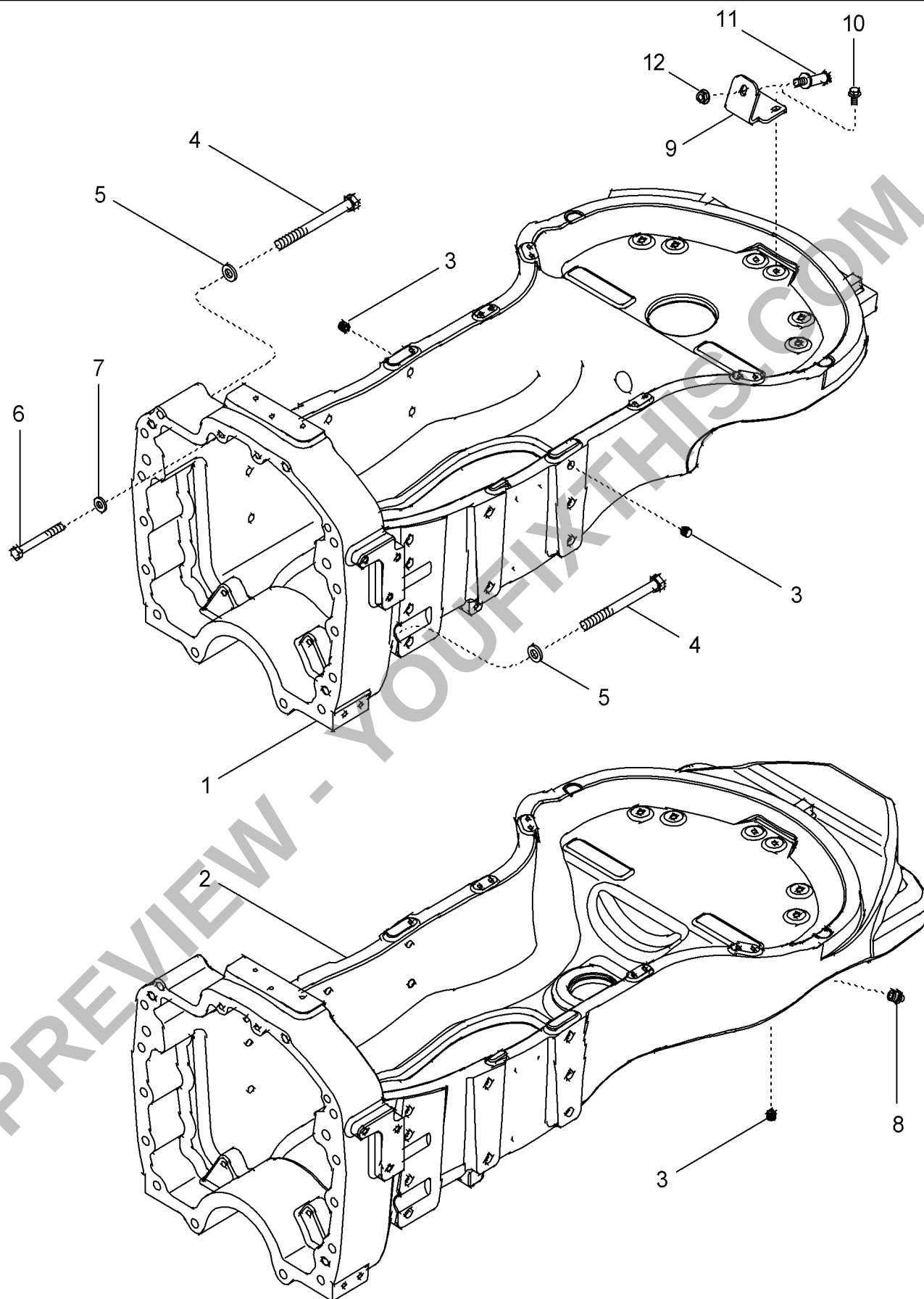
02 -01 RADIATOR AND FAN SHROUD

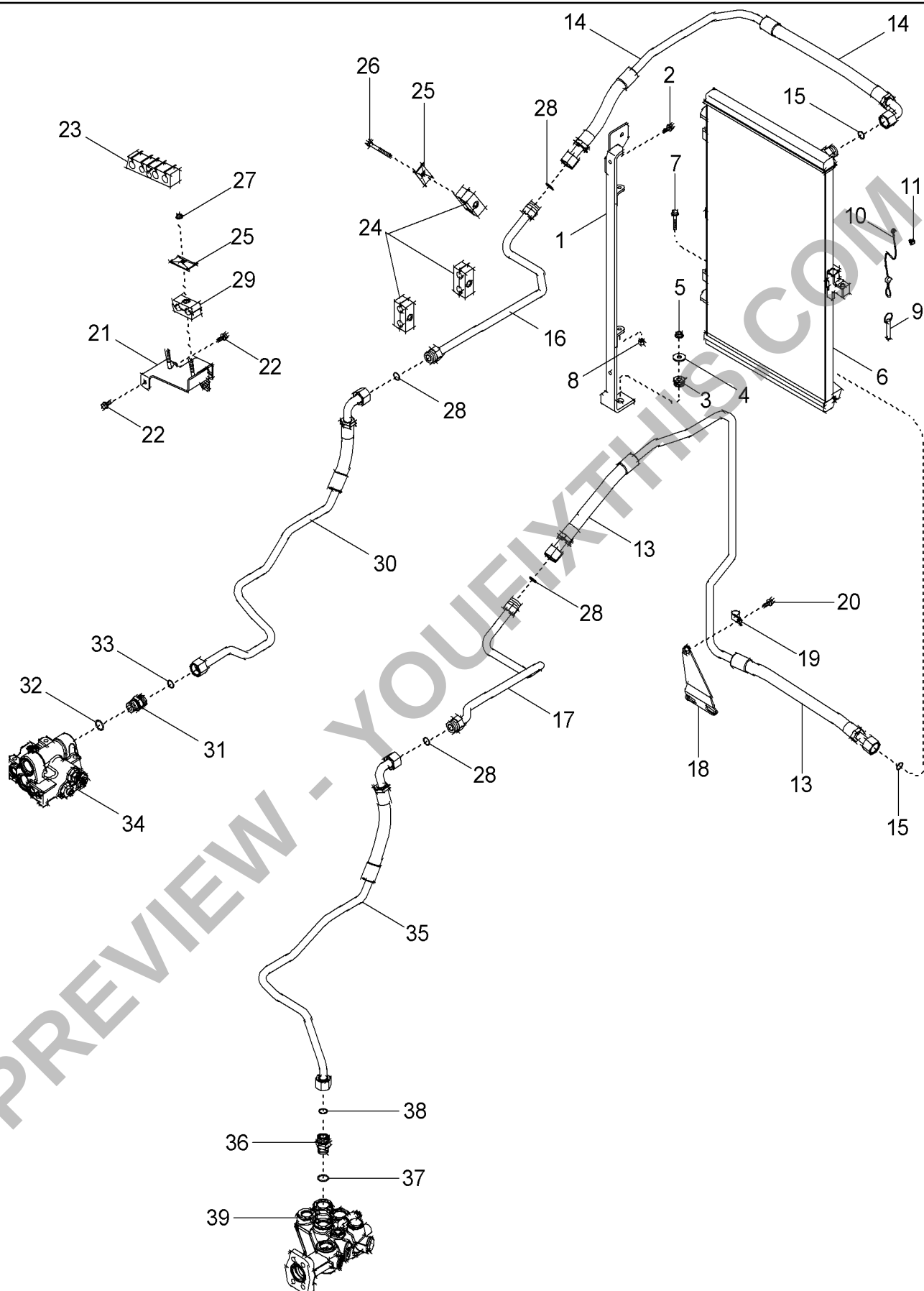
Ref	Part Number	Qty	Description
1	REFERENCE	1	NO DESCRIPTION, Radiator Assy, See Figure 02-02
2	58771	1	ELBOW, 1/4 stem x 1/4 PT
3	86568834	1	PLUG, 1/4 PT
4	427509A1	1	FAN, 9 Blade, TG210, TG230
5	447917A2	1	DRIVE ASSY., Viscous, TG210, TG230
6	450911A3	1	SHROUD,
7	447916A1	1	DRIVE ASSY., Viscous, TG255, TG285
8	278432A1	1	8 Blade, TG255, TG285
9	120103	6	SCREW, M8 x 16; 8.8, TG210, TG230
10	87016603	6	WASHER, 11/32 x 11/16 x 1/16
11	120103	4	SCREW, M8 x 16; 8.8
12	86639313	4	WASHER, 9 x 24 x 2 mm
13	120100	3	SCREW, M6 x 16; 8,8
14	86624183	3	WASHER, 6,6 x 25 x 1,6 mm
15	443315A2	1	BRACKET, Front Support
16	442588A2	1	COOLER ASSY., Air to Air
17	87017621	1	BOLT, M8 x 40 mm
18	87013351	1	WASHER, 11/32 x 1-1/4 x 7/64
19	9804277	1	NUT, M8
20	87414102	1	HOSE, 9.5 ID x 500 mm (3/8 ID x 19-11/16 in), Cut From 194882A1
21	1348264C1	2	CLAMP, HOSE, 3/8 ID
22	9841829	1	CONNECTION, 3/8 barb x 1/4 fem PT
23	86642421	1	VALVE, DRAIN, 1/4 PT
24	442600A1	1	BRACKET, Rear Support
25	433400A4	1	SUPPORT ASSY.,
26	9804266	5	SCREW, M12 x 25; 8.8
27	434177A1	7	MOUNTING, RUBBER,
28	86625242	6	WASHER, 7/16 x 1-1/4 x 1/8
29	9804278	6	NUT, M10
30	86988830	1	PLATE,
31	86511841	10	SCREW, M8 x 16; 8.8
32	9671714	5	SCREW, M8 x 25; 8.8
33	87404930	2	SEAL,
34	445936A3	1	CHANNEL,
37	443316A1	1	BRACKET,
38	443360A1	1	BRACKET,
39	443318A2	1	BRACKET,
40	86983372	1	SEAL,
41	87413587	1	SEAL,
42	442096A3	1	SEAL,
43	426352A1	1	SEAL,











1

WARNING

A

BEFORE STARTING ENGINE:
 Read operator's manual for safety information and operating instructions.
 Read all tractor safety signs.
 Be sure other people are clear of tractor and equipment.
 Be sure gear shift is in neutral or park and PTO control is off.
 Start engine only from seat.
 Shields are for your protection. Keep them in place.

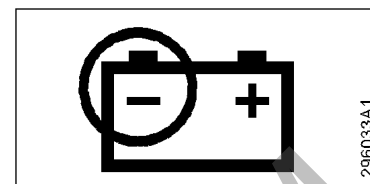
OPERATION:
 When starting the tractor in cold weather, the tractor may move when transmission is engaged and clutch pedal is depressed. Use brakes to prevent tractor movement.
 Actuate forward/reverse lever only from the operator's seat.
 With ROPS, always buckle and adjust seat belt.
 No riders on tractor or equipment.
 Keep hands, feet, and clothing away from power driven parts.
 For road travel, couple brake pedals, use flashing warning lamps unless prohibited by law and keep SMV emblem visible.

TRACTORS CAN BE UPSET:
 Reduce speed on turns and rough ground.
 Avoid steep slopes.
 Avoid rear upset. Pull only from drawbar, never higher.
WHEN TRACTOR HAS STOPPED:
 Put forward/reverse and range levers in park.
 Engage park lock or brake.
 Lower implement to ground.
 Disengage PTO, stop engine, and wait for all movement to stop before servicing or clearing equipment.

2

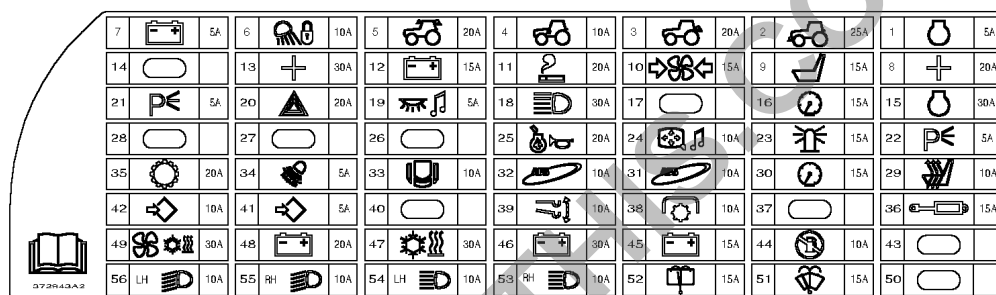


3



296033A1

4



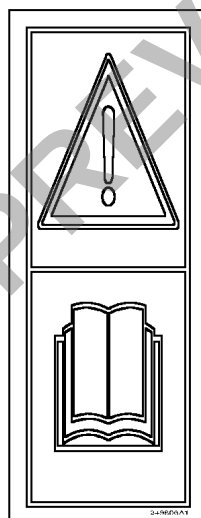
5

MAINTENANCE CHART

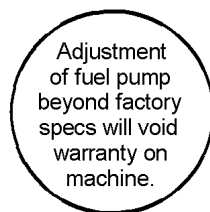
REF. NUMBER	SERVICE POINTS	GREASE	CHECK	CLEAN	CHANGE	FREQUENCY
1	Engine Oil Level		X			10 Hours/ Daily
9	Engine Coolant Level-Overflow Bottle		X			10 Hours/ Daily
3	Transmission Oil Level		X			100 Hours
1	Primary Fuel Filter Drain			Drain Water		100 Hours
5	Front Hitch	X	X			100 Hours
6	Operation Tank Coolant Level		X			200 Hours
7	Front Axle & Rear Hitch	X	X			200 Hours
6	Fuel Tank			Drain Water		200 Hours
9	Radiator Water		X			200 Hours
10	Engine Air & Coolant Hose Joints		X			200 Hours
11	MFD Differential & Planetary Oil Levels		X			200 Hours
12	Engine Oil & Oil Filter				X	200 Hours
13	Fuel Filter				X	200 Hours
14	Engine Coolant Filter				X	200 Hours
15	Antifreeze Protection		X	X		200 Hours
16	Engine Air Primary & Secondary Filters				X	200 Hours
17	MFD Differential & Planetary Oil Levels		X			200 Hours
18	Engine Valve Adjustment (MFD 100, 200, 300 (See Manual))				X	200 Hours
19	Hydraulic System (Oil Filter(s) & Breather)				X	200 Hours
20	Engine Air Primary Filter			X		200 Hours
21	Cab Air Filter			X		200 Hours
22	Driftle Storage & Coolers		X			200 Hours

CONSULT OPERATOR'S MANUAL FOR MORE INFORMATION

9



6



7



8

WARNING

ENTANGLEMENT HAZARD

- Always keep PTO driveline shields in place to avoid entanglement.
- Be sure implements are matched to tractor PTO speeds.
- Center and lock drawbar when using PTO.

To prevent bottoming or separation of implement driveline, position drawbar according to implement manufacturer's recommendation or as follows:

PTO Shaft	PTO Shaft end to drawbar pin hole
540 RPM 6 spline	1 3/8" DIAMETER -14 INCH (350 mm)
1000 RPM 21 spline	1 3/8" DIAMETER -16 INCH (400 mm)
1000 RPM 20 spline	1 3/4" DIAMETER -20 INCH (500 mm)

02 -08 ENGINE SUPPORT HOUSING ASSEMBLY

Ref	Part Number	Qty	Description
1	87404695	1	HOUSING ASSY., Engine Support, Inc. 2
2	86978768	2	PIN, 12 x 30 mm
3	87015909	4	BOLT, M16 x 60; 10.9
4	86642458	12	BOLT, M12 x 50; 10.9
5	J910248	1	PLUG,
6	86553262	1	O-RING, 7/8 ID x 1/8

ABBREVIATION ABRÉVIATION ABREVIACIÓN	ENGLISH ANGLAIS INGLÉS	FRENCH FRANÇAIS FRANÇÉS	SPANISH ESPAGNOL ESPAÑOL
- A -			
A	Antwerp	Anvers	Amberes
AC	Air Conditioning	Climatisation	Acondicionameinto de Aire
ACC	Accessory	Accessoire	Accesorio
ACL	Accelerator	Accélérateur	Acelerador
ACS	Access	Accès	Acceso
A CLNR	Air Cleaner	Filtre à Air	Renovador, Filtro de Aire
AG	Agricultural	Agricole	Agrícola
ALL PUR	All Purpose	Universel, Tout Usage	Universal, Aplicaciones Múltiples
AMP	Ampere	Ampère	Amperio
APPR	Approximate	Environ	Aproximado
AR	As Required	A la demande	Según Sea Necesario
ASC	Auxiliary Service Control	Commande d'Alimentation auxiliaire	Control de Servicio Auxiliar
ASN	Used On and Above Serial Number	Utilisé Sur et Audessus du Numéro de Série	Se Usa en y Encima del Numero de Serie
ASSY	Assembly	Ensemble	Montaje
AST RAM	Assist Ram	Vérin d'Assistance	Izador Auxiliar
ATT	Attaching	Fixation	Fijación
AUTO HTCH	Automatic Hitch	Attelage automatique	Enganche Automático
AUX	Auxiliary	Auxiliaire	Auxiliar
AUX FL TK	Auxiliary Fuel Tank	Réservoir à Combustible/Carburant auxiliaire	Tanque de Combustible Auxiliar
AUX PH	Auxiliary Pickup Hitch	Crochet automatique auxiliaire	Enganche de Levantador Automático
- B -			
B & BAS	Basildon	Basildon	Basildon
BD	Body	Carrosserie	Carrocería
BEL	Belgium	Belgique	Bélgica
BH	Button Head	Tête cylindrique	Cabeza Cilíndrica

Figure Search for TG285 TRACTOR (12/02-)

02 -01 RADIATOR AND FAN SHROUD
02 -02 RADIATOR ASSEMBLY
02 -03 DEAERATION SYSTEM
02 -04 AIR INDUCTION SYSTEM
02 -05 AFTERCOOLER
02 -06 ETHER START SYSTEM
02 -07 EXHAUST SYSTEM
02 -08 ENGINE SUPPORT HOUSING ASSEMBLY
02 -10 WATER PUMP SYSTEM, TG255 AND TG285
02 -12 FRONT GEAR COVER, TG255 AND TG285
02 -14 MANIFOLDS, TG255 AND TG285
02 -16 TURBOCHARGER SYSTEM, TG255 AND TG285
02 -18 TURBOCHARGER ASSEMBLY, TG255 AND TG285
02 -20 WASTEGATE ACTUATOR, TG255 AND TG285
02 -22 FILTER AND COOLER - OIL, TG255 AND TG285
02 -23 OIL PUMP AND OIL PAN
02 -25 CYLINDER HEAD - COVER, TG255 AND TG285
02 -27 CYLINDER HEAD - VALVE MECHANISM, TG255 AND TG285
02 -28 THERMOSTAT - FILTER, WATER
02 -29 CRANKCASE, BREATHER
02 -31 CAMSHAFT, TG255 AND TG285
02 -33 CYLINDER BLOCK, TG255 AND TG285
02 -35 KIT ENGINE OVERHAUL, TG255 AND TG285
02 -36 CRANKSHAFT
02 -37 FLYWHEEL
02 -39 PISTONS - CONNECTING RODS, TG255 AND TG285
02 -41 GASKET KIT - VALVE GRIND, TG255 AND TG285
02 -43 GASKET KIT - CYLINDER BLOCK, TG255 AND TG285
02 -45 GASKET KIT - BASIC SERVICE ENGINE, TG255 AND TG285
03 -02 FUEL INJECTION SYSTEM, TG255 AND TG285
03 -05 PUMP, FUEL TRANSFER, TG255 AND TG285
03 -06 FUEL FILTER AND CONNECTIONS, TG255 AND TG285
03 -08 FUEL INJECTION PUMP, TG255 AND TG285
03 -09 FUEL INJECTION PUMP, TG255 AND TG285
03 -10 FUEL INJECTION PUMP, TG255 AND TG285
03 -11 FUEL INJECTION PUMP, TG255 AND TG285
03 -12 FUEL INJECTION PUMP, TG255 AND TG285
03 -13 FUEL INJECTION PUMP - GEAR AND MOUNTING BRACKETS, TG255 AND TG285
03 -15 FUEL INJECTION - NOZZLE , TG255 AND TG285
03 -17 HAND THROTTLE, TG255 AND TG285
03 -19 FOOT THROTTLE, TG255 AND TG285
03 -20 FUEL TANKS
03 -22 FUEL LINES, TG255 AND TG285
04 -02 HARNESS - ENGINE, TG255 AND TG285
04 -03 POWER DISTRIBUTION
04 -04 MODULE, ENGINE CONTROL, TG255 AND TG285
04 -05 HARNESS - CHASSIS
04 -06 HARNESS - REMOTE HYDRAULIC VALVE

Figure Search for TG285 TRACTOR (12/02-)

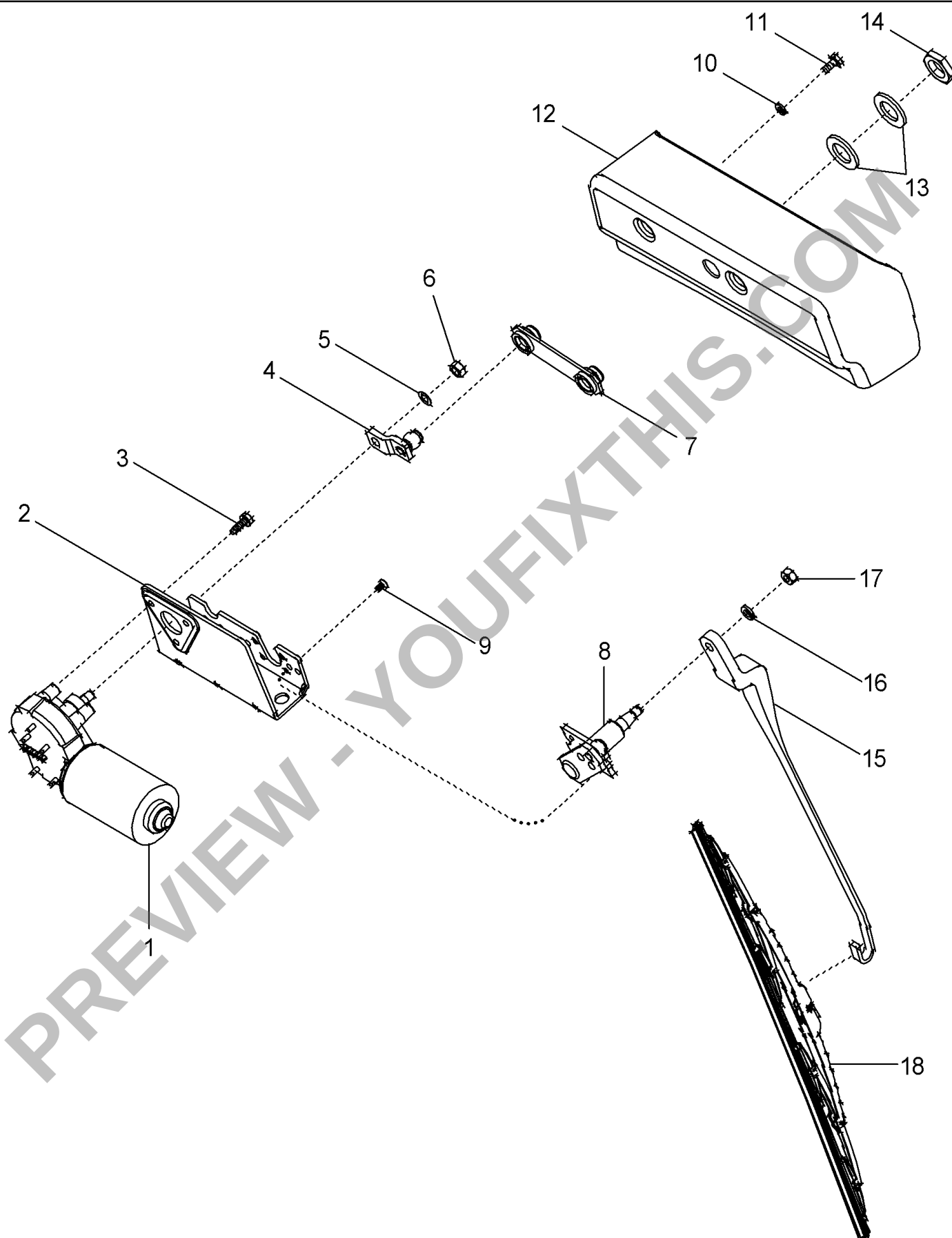
05 -26 CARRIER AND DIFFERENTIAL - MFD, 12 BOLT HUB, WITHOUT DIFFERENTIAL LOCK
05 -28 CARRIER AND DIFFERENTIAL - MFD, 12 BOLT HUB, WITH DIFFERENTIAL LOCK
05 -30 FRONT AXLE PLANETARIES AND HUB - MFD, 12 BOLT HUB
05 -32 STEERING CYLINDER ASSEMBLY - MFD, 12 BOLT HUB, WITHOUT SUPER STEER
05 -34 STEERING CYLINDER ASSEMBLY - MFD, 12 BOLT HUB, SUPER STEER
05 -36 FRONT WHEELS - MFD, 12 BOLT HUB
05 -37 SPACER - DUAL FRONT WHEELS
06 -01 TRANSMISSION DRIVE SHAFT AND DAMPER
06 -02 SPEED TRANSMISSION - FRONT COVER
06 -03 SPEED TRANSMISSION - HOUSING
06 -04 PLATE ASSEMBLY - VALVE MOUNTING
06 -05 PLATE ASSEMBLY - VALVE MOUNTING
06 -06 SPEED TRANSMISSION - INPUT SHAFT WITHOUT CREEP SPEED
06 -07 SPEED TRANSMISSION - INPUT SHAFT WITH CREEP SPEED
06 -08 SPEED TRANSMISSION - COUNTERSHAFT WITHOUT CREEP SPEED
06 -09 SPEED TRANSMISSION - COUNTERSHAFT WITH CREEP SPEED
06 -10 SPEED TRANSMISSION - OUTPUT SHAFT FRONT CLUTCH
06 -11 SPEED TRANSMISSION - OUTPUT SHAFT REAR CLUTCH
06 -12 RANGE TRANSMISSION - HOUSING
06 -13 VALVE ASSY - INCHING
06 -14 RANGE TRANSMISSION - INPUT SHAFT
06 -15 RANGE TRANSMISSION - MASTER CLUTCH
06 -16 RANGE TRANSMISSION - COUNTERSHAFT
06 -17 TRANSMISSION - PINION SHAFT AND GEARS
06 -18 TRANSMISSION - DIFFERENTIAL
06 -19 RANGE TRANSMISSION - MFD CLUTCH
06 -20 MFD AXLE - DRIVE SHAFT, STANDARD AND SUSPENDED AXLE
06 -21 MFD AXLE - DRIVE SHAFT, SUPERSTEER AXLE
06 -22 TRANSMISSION CONTROL VALVE LOCATION
06 -23 VALVE ASSEMBLY - TRANSMISSION CONTROL (450729A1)
06 -24 VALVE ASSEMBLY - TRANSMISSION CONTROL (450724A2)
06 -25 VALVE ASSEMBLY - TRANSMISSION CONTROL (450728A2)
06 -26 PEDAL - INCHING
06 -27 LEVER ASSEMBLY - TRANSMISSION CONTROL
06 -28 REAR AXLE - HOUSING
06 -30 REAR AXLE - PLANETARY, TG285
06 -32 REAR AXLE - 4 X 120 INCH
06 -33 REAR AXLE - 4-1/2 X 120 INCH
06 -34 TRANSMISSION - PUMP DRIVE
06 -35 POWER TAKE OFF ASSEMBLY - INPUT SHAFT
06 -36 POWER TAKE OFF ASSEMBLY - REDUCTION GEAR, DUAL SPEED
06 -37 POWER TAKE OFF ASSEMBLY - OUTPUT SHAFT, DUAL SPEED
06 -38 POWER TAKE OFF ASSEMBLY - OUTPUT SHAFT, SINGLE SPEED
06 -39 POWER TAKE OFF ASSEMBLY - OUTPUT SHAFT, SINGLE SPEED INTERCHANGEABLE SHAFT
06 -40 POWER TAKE OFF ASSEMBLY - SHIELDS
06 -41 SOLID STEEL REAR WHEELS
06 -42 HUB ASSEMBLY - REAR WHEEL
06 -43 SPACER - DUAL REAR WHEELS

02 -23 OIL PUMP AND OIL PAN

Ref	Part Number	Qty	Description
1	J948072	1	PUMP, ENGINE OIL, New
1	JR948072	1	REMAN-PUMP,ENGINEOIL, Remanufactured, N.A. Only
1	JC948072	1	CORE-PUMP, ENG.OIL,
2	J900677	4	BOLT, M8 x 30
3	J921719	1	TUBE,
4	J926865	2	SPACER,
5	86511839	2	SCREW, M6 x 30
6	J914302	1	GASKET,
7	J927611	1	BRACE,
8	87015915	2	SCREW, M6 x 15; 8.8
9	9804256	1	SCREW, M6 x 20; 8.8
10	J910960	1	WASHER,
11	J906216	1	NUT, M6
12	J914015	1	PAN, ENGINE OIL, Oil
13	J938160	1	GASKET, Oil Pan
14	J920400	32	BOLT, M8 x 25
15	J924148	1	PLUG,
16	J902425	1	WASHER,
17	J924147	1	PLUG, DRAIN, M18
18	J920773	1	WASHER, SEALING,
	A77580		KIT, SERVICE, Oil Heater, 120 Volt, Inc 19, 20
19	J906388	1	ELEMENT, HEATING,
20	196466A1	1	CABLE,
21	J902425	1	WASHER,
	A77666		KIT, SERVICE, Oil Heater, 240 Volt, Inc 19, 20
19	J906389	1	ELEMENT, HEATING,
20	J905114	1	CABLE,
21	J902425	1	WASHER,



Ref	Part Number	Qty	Description
1	87403842	1	HARNESS, Cab
2	437550A1	1	FLANGE, 102 Pin Connector
3	87016553	4	SCREW, M4,8 x 19 mm
4	86637976	2	CLAMP, 3/4 ID
5	87016869	1	CLAMP, 1/2 ID
6	9804277	4	NUT, M8

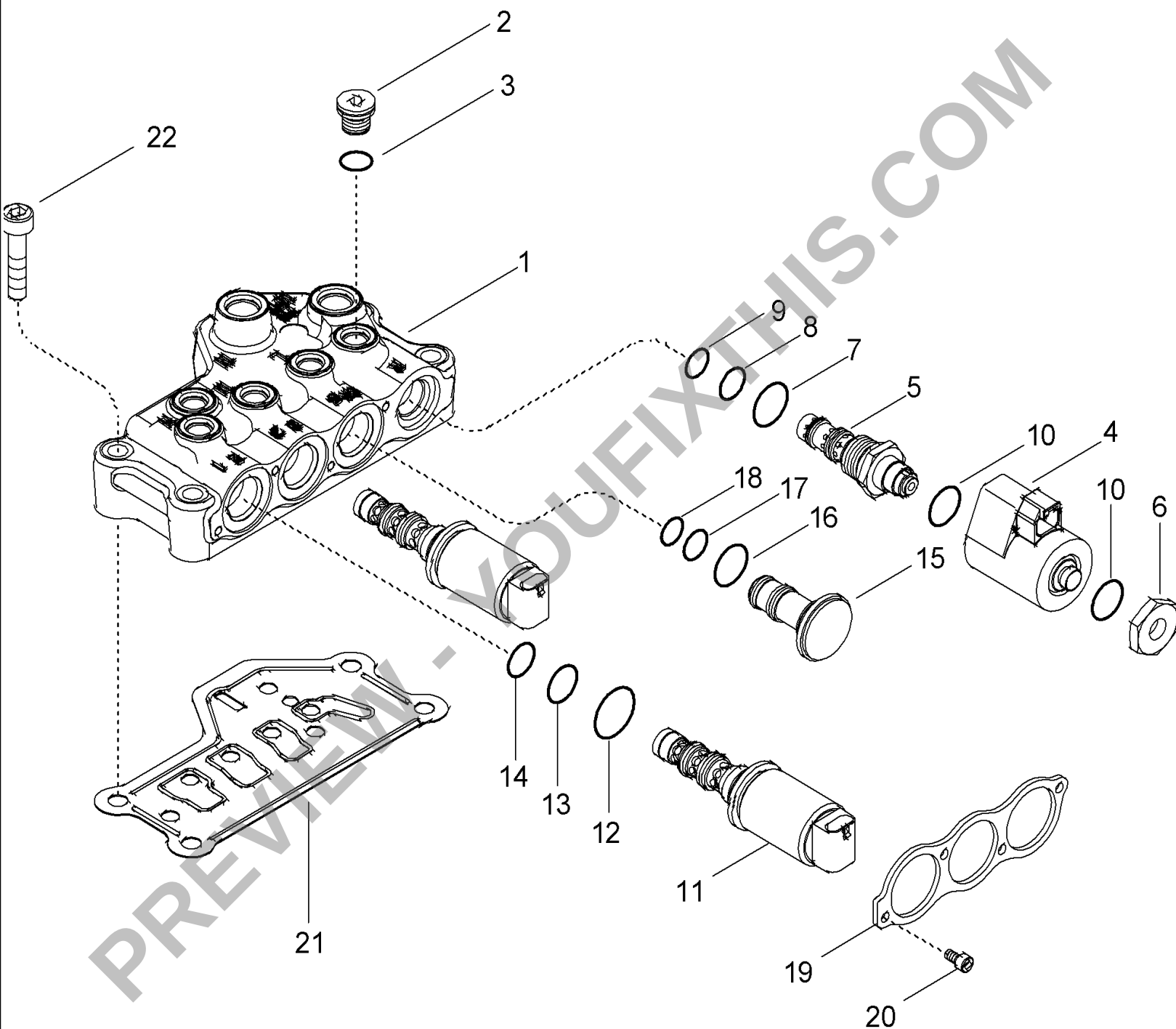


05 -04 STEERING SYSTEM - MFD, WITH SUPER STEER

Ref	Part Number	Qty	Description
49	86991126	1	HOSE ASSY.,
50	1301178C1	2	CLAMP,
51	87015931	2	SCREW, M6 x 35; 8.8
52	86999821	2	
53	87026054	2	CLAMP,
54	9861444	2	SCREW, M10 x 20; 10.9

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Ref	Part Number	Qty	Description
1	1342253C2	1	SHAFT,
2	87016928	2	RING, SNAP, No. 293
4	1285983C1	1	GEAR, Drive, 34T
5	87016924	4	BALL, 3/8; 24,CRS
7	ST791	1	BEARING, CONE,
8	ST951	1	BEARING, CUP,
11	1285981C1	1	GEAR, Drive, 29 T
12	ST2051	1	BEARING, CONE,
13	ST863	1	BEARING, CUP,
14	1286000C3	1	CAGE,
18	43139	6	SCREW, M10 x 25; 8.8
19	120647C2	AR	SHIM, 0,08 mm
19	120648C2	AR	0,10 mm
19	120649C2	AR	0,13 mm
19	120650C2	AR	0,30 mm
19	120651C2	AR	0,76 mm
20	1285989C1	1	GEAR, Driven, 37T
22	1285986C1	1	GEAR, Driven, 39T



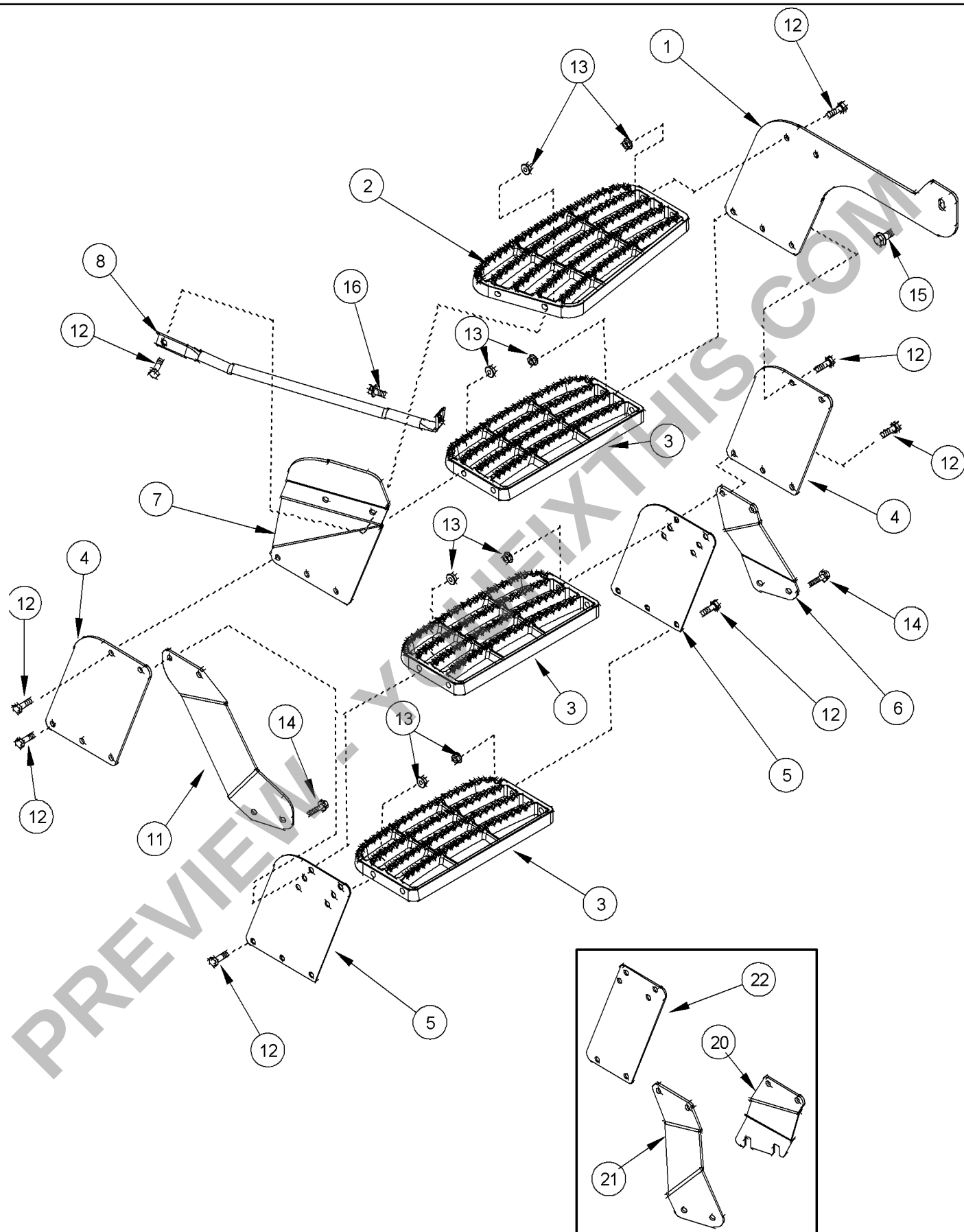


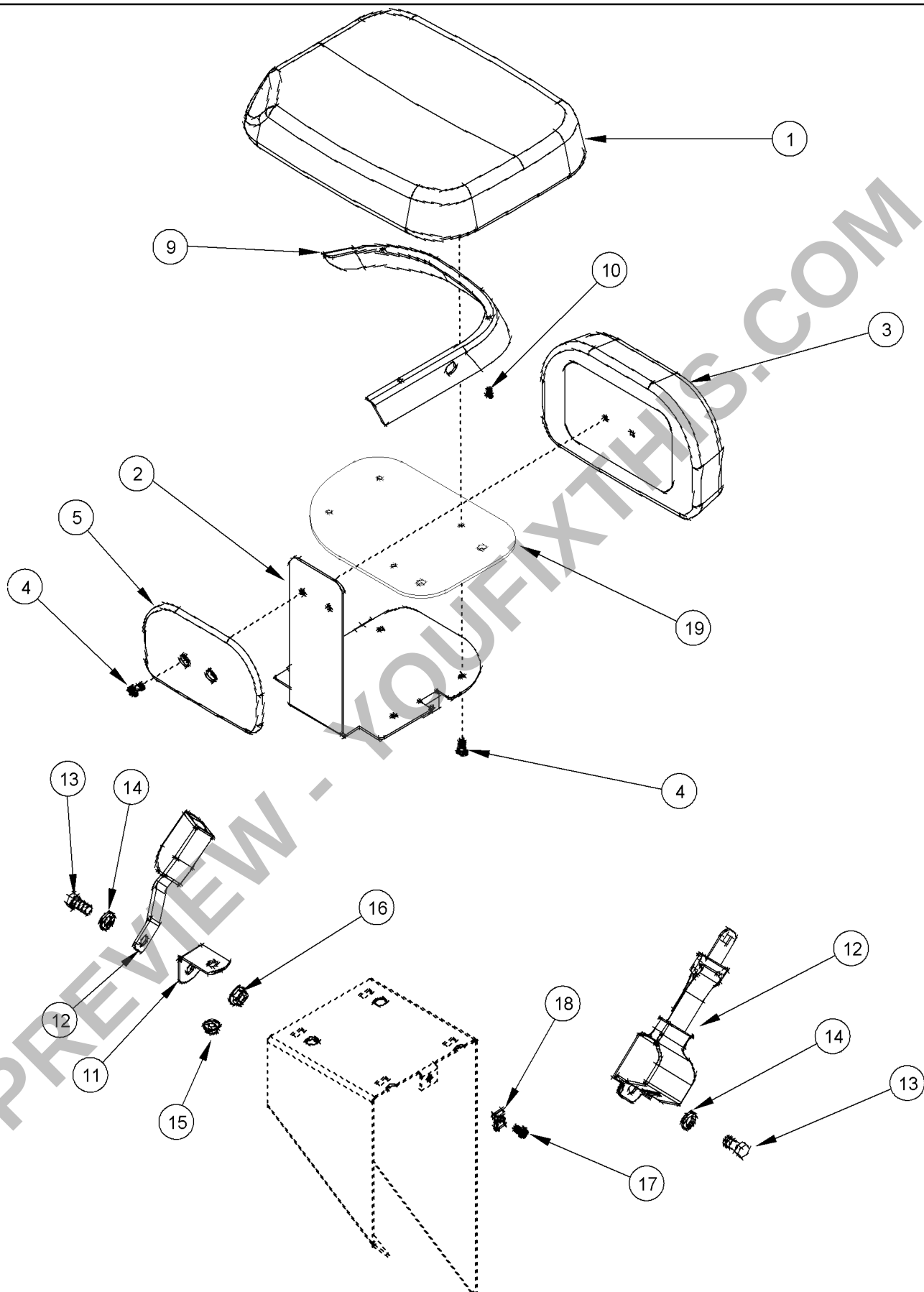
08 -04 HYDRAULIC SYSTEM - MEGAFLOW PUMP

Ref	Part Number	Qty	Description
1	402008A1	1	PUMP, HYDRAULIC, MegaFlow
2	87016488	2	SCREW, M12 x 35; 12.9
3	87016612	2	WASHER, 13,5 x 28 x 4 mm
4	274296	1	O-RING, 4-1/8 ID x 18
5	86580179	4	UNION, 1-7/16 fc sl x 33 Or, Inc. 6, 7
6	86639046	1	O-RING, 29,6 ID x 2,9
7	9824050	1	O-RING, 15/16 ID x 1/16
8	405503A1	1	HOSE ASSY.,
9	413353A2	1	HOSE ASSY.,
10	451226A1	1	ELBOW, Inc. 11 - 13
11	133519C1	1	SCREEN,
12	86642448	1	O-RING, 9,3 ID x 2,2
13	9993141	1	O-RING, 3/8 ID x 1/16
14	86985156	1	HOSE,
15	86597761	1	CONNECTOR, HYD., 13/16 fc sl x 27 Or, Inc.16, 17
16	86598103	1	O-RING, 23,6 ID x 2,9
17	9992298	1	O-RING, 1/2 ID x 1/16
18	86512512	1	PLUG, 7/8 Or, Inc.19
19	167269	1	O-RING, 3/4 ID x 3/32

08 -20 REMOTE HYDRAULIC COUPLING ASSEMBLY

Ref	Part Number	Qty	Description
	275182A2	AR	COUPLING, PUSH-PULL, Inc. 1 - 14
1	NSS	1	NOT SERVICED SEPARATELY, Body
2	86579680	2	CONNECTOR, HYD., 1 fc sl x 22 Or, Inc. 3, 4
3	86639044	1	O-RING, 19,3 ID x 2,2
4	9992069	1	O-RING, 5/8 ID x 1/16
5	321623A1	2	CARTRIDGE,
6	93329C2	1	SPRING,
7	93330C1	2	SPRING, VALVE,
8	86013223	2	RING, SNAP, No. 162
	345193A1	1	KIT, SEALS, Inc. 12 - 14
12	14454480	4	O-RING, 1-5/16 ID x 1/16
13	93332C1	4	SEAL ASSY.,
14	NSS	2	NOT SERVICED SEPARATELY, O-Ring
15	361880A1	1	RETAINER,





09 -45 HITCH - SUPPORTS AND ROCKSHAFT

Ref	Part Number	Qty	Description
1	302887A5	2	BRACKET,
3	222355A1	1	BUSHING,
4	1960223C1	2	BUSHING,
5	86528190	10	SCREW, M24 x 200; 10.9
6	87015561	4	SCREW, M24 x 120; 10.9
10	305002A2	AR	CYLINDER, 89 ID x 260 mm strk,, Part Number Stamped On Cylinder, See Figure 08-21
10	278277A3	AR	CYLINDER ASSY., 95 ID x 260 mm strk, Part Number Stamped On Cylinder, See Figure 08-22
10	278419A3	AR	CYLINDER ASSY., 105 ID x 260 mm strk, Part Number Stamped On Cylinder, See Figure 08-23
20	413467A1	2	BRACKET, HITCH,
21	222354A1	4	SEAL,
22	251386A1	2	PIN, LARGE,
23	220598A3	6	RING, SNAP,
24	220599A2	2	WASHER,
25	220600A2	1	ROD,
26	241889A3	1	BRACKET, SUPPORTING,
27	86639243	2	NUT, LOCK, M24; 8
34	9848973	1	NUT, M24; 10
40	391415A1	4	PIN,
41	321365A1	4	SPACER,
42	86625256	4	WASHER, 13,5 x 28 x 4 mm
43	9706693	2	SCREW, M12 x 60; 8.8
44	412126	2	NUT, M12; 8
45	87015930	2	BOLT, M12 x 35; 10.9

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