



BTR 30 TURF ROLLER

OPERATOR'S MANUAL & PARTS LIST CURRENT
FROM SERIAL NO. 610



Kesmac Inc.

23324 Woodbine Avenue, Keswick Ontario Canada L4P 0N1

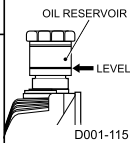
Tel (905) 476-6222 Fax (905) 476-6744

Web Site www.brouwerkesmac.com Email info@kesmac.com

IMPORTANT

Check oil level daily.
Top up to correct level
when COLD.

DO NOT FILL PAST
THE LEVEL MARK.



IMPORTANT

USE SYNTHETIC SAE
5W40 ONLY

D001-068

CAUTION

HOT EXHAUST

To avoid injury keep
clear of exhaust pipes
and muffler.

D001-053



CAUTION

TO PREVENT TIPPING
WHEN ON SLOPES
STOP THE UNIT
BEFORE CHANGING
FORWARD / REVERSE
DIRECTION. OPERATE
CONTROLS SLOWLY
AND SMOOTHLY. D001-073

IMPORTANT

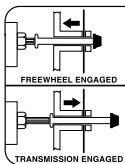
The Hydrostatic Transmission
housing must be kept clean and
free of oil and dust to ensure
proper cooling. D001-146

WARNING

CRUSHING HAZARD
Stay clear of moving parts
D001-054

BROUWER

BROUWER



WARNING

**FREEWHEEL
CONTROL**
To prevent possible injury
to the operator and others:
Do not activate the
Freewheel Control if the
engine is running or if the
machine is on an incline. D001-134

WARNING

CRUSHING HAZARD
Stay clear of moving parts
D001-054

IMPORTANT

Allow air to vent from
drum when filling. D001-133

BROUWER EQUIPMENT BUILT FROM EXPERIENCE	BROUWER TURF LTD. KESWICK, ONT. CANADA PHONE: (905) 476-6222 FAX: (905) 476-6744
SERIAL NO. _____	
WEIGHT _____ kg.	
_____ lbs.	

DANGER

Si vous ne lisez pas l'anglais,
demandez à quelqu'un qui lit l'anglais
de traduire pour vous toutes les
consignes de sécurité. D001-054

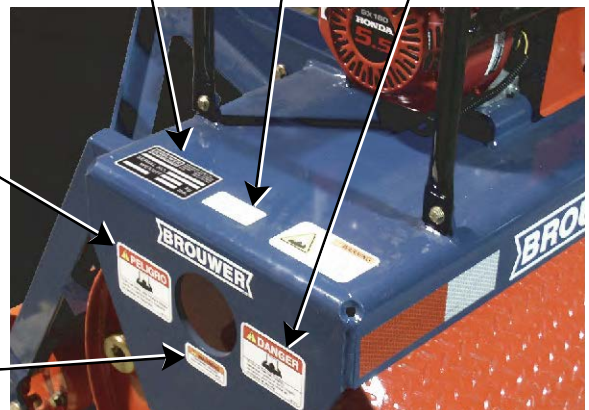
PELIGRO



Si No Lee Ingles, pida Ayuda a Alguien
Que Si Lo Lea Para Que le Traduzca
las Medidas de Seguridad. D001-S15

WARNING

CRUSHING HAZARD
Stay clear of moving parts
D001-054





SECTION 2

BTR 30 TURF ROLLER

PARTS LIST

IMPORTANT

When ordering parts for this machine the serial number, model number and part color must be quoted.

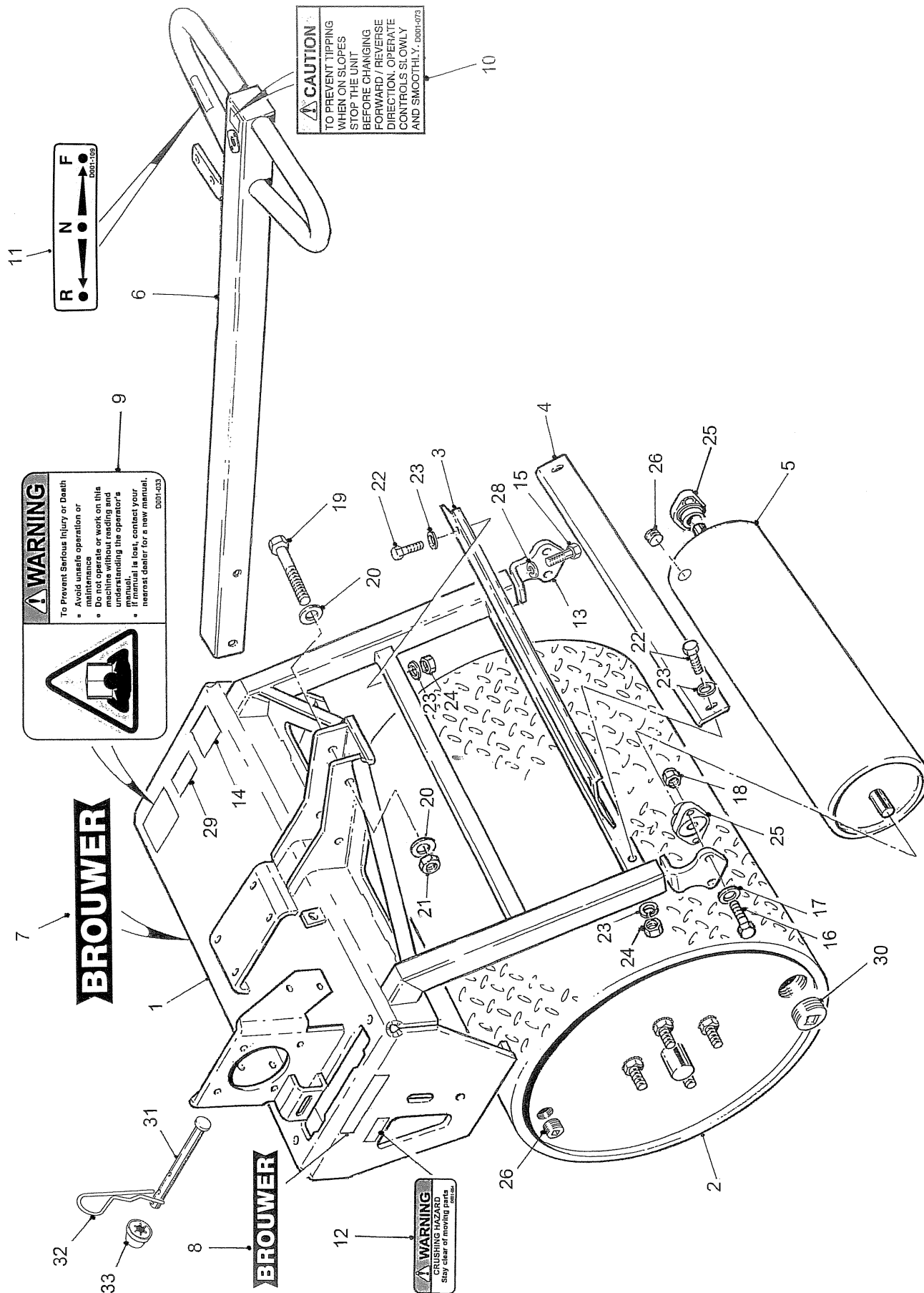


BROUWER EQUIPMENT BUILT FROM EXPERIENCE	BROUWER TURF LTD. KESWICK, ONT. CANADA PHONE: (905) 476-6222 FAX: (905) 476-6744	
	[Blank line]	
SERIAL NO. [Blank line]		
WEIGHT [Blank line] kg.		
[Blank line]	[Blank line]	lbs.

NOTE

REPLACEMENT PARTS FOR THE HONDA GX160 ENGINE
MUST BE ORDERED FROM THE HONDA DEALER IN YOUR AREA.
Go to: www.honda.com This is the corporate web site from which Honda engines/power
equipment dealers can be located.
Eg. Europe: www.honda-engines-eu.com
Australia: www.hondapowerequipment.com.au

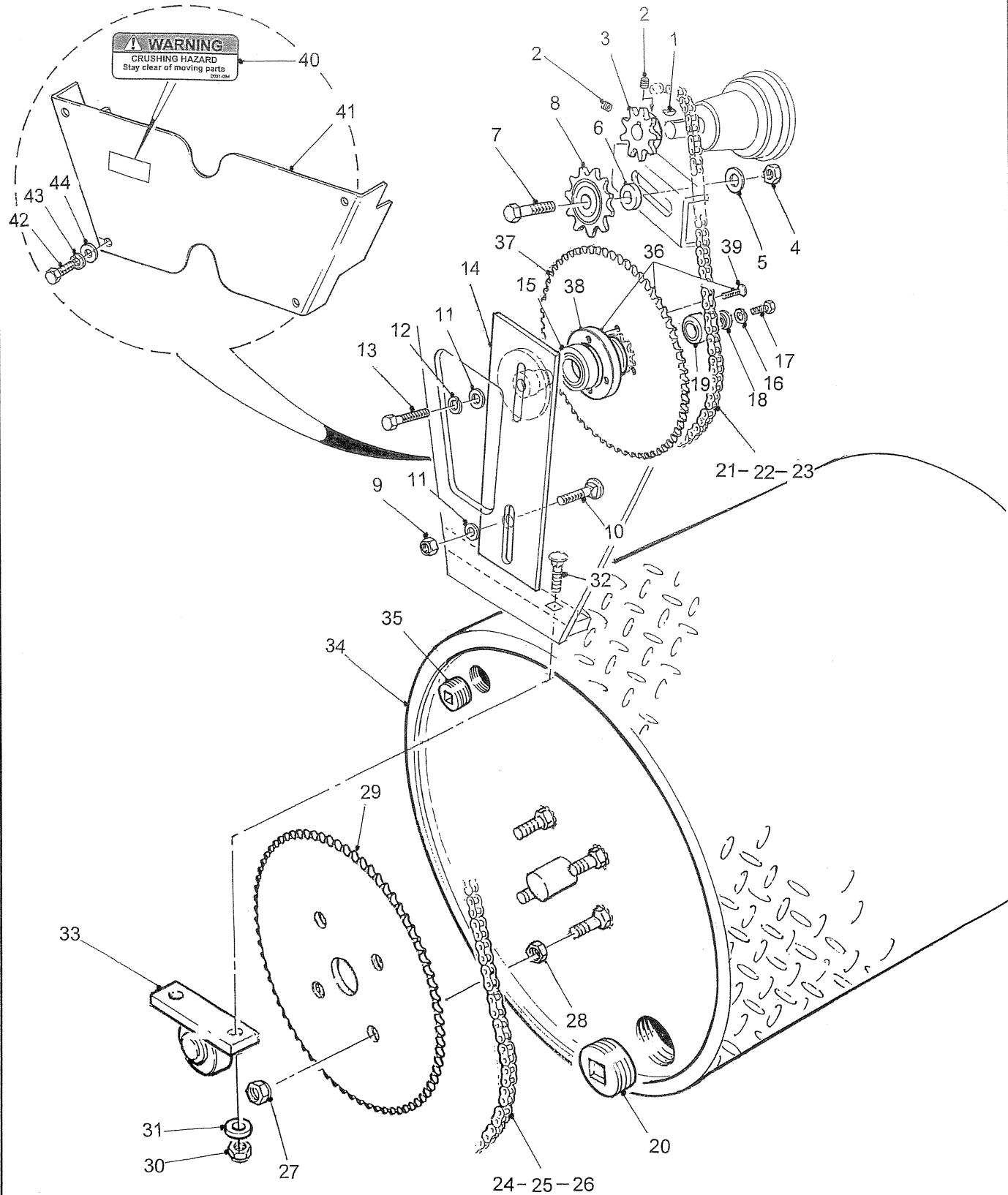
FRAME & ROLLERS ASSEMBLY



ITEM NO.	PART NO.	DESCRIPTION	QTY
		BTR 30 TURF ROLLER FRAME AND ROLLERS ASSEMBLY	
1	<u>TR30033</u>	Roller Housing	1
2	<u>TR30010</u>	Roller - 24 in. Dia. (Traction)	1
	<u>TR30180</u>	Roller - 24 in. Dia. (Smooth)	1
	<u>TR30183</u>	Roller - 24 in. Dia. (Traction. Heavy Duty)	1
3	<u>TR10055</u>	Scraper - 24in. Roller	1
4	<u>TR10056</u>	Scraper - 8in. Roller	1
5	<u>TR30237</u>	Roller - 8in. Dia.	1
6	<u>TR30083</u>	Handle	1
7	<u>D001-161</u>	Decal - Brouwer. 12 in.	1
8	<u>D001-160</u>	Decal - Brouwer 6in.	2
9	<u>D001-033</u>	Decal - "Warning to Prevent Serious..."	1
10	<u>D001-073</u>	Decal - "Caution to Prevent tipping..."	1
11	<u>D001-109</u>	Decal - "R - N - F"	1
12	<u>D001-054</u>	Decal - "Warning Crushing Hazard..."	2
13	<u>TR10072</u>	Bearing Mounting Bracket	2
14	<u>D001-158</u>	Serial No. Plate	1
15	<u>F040610</u>	Bolt 3/8 unc x 1 Gr.8	4
16	<u>F041016</u>	Bolt 5/8 unc x 1 3/4 Gr. 8	4
17	<u>F321000</u>	Washer 5/8	4
18	<u>F211000</u>	Locknut 5/8 unc	4
19	<u>F040840</u>	Bolt 1/2 unc x 4 Gr.8	2
20	<u>F320800</u>	Washer 1/2	4
21	<u>F210800</u>	Locknut 1/2 unc	2
22	<u>F040410</u>	Bolt 1/4 unc x 1 Gr.8	4
23	<u>F320400</u>	Washer 1/4	8
24	<u>F210400</u>	Locknut 1/4 unc	4
25	<u>KB32016</u>	Flange Bearing	2
26	<u>KH00015</u>	Pipe Plug 3/4 NPT. Sq. Hd.	1
27	<u>D001-043</u>	Reflector Tape - Orange. (Not Illustrated)	1
28	<u>F310600</u>	Lockwasher 3/8	4
29	<u>D001-133</u>	Decal - "Important Allow air to vent..."	1
30	<u>KH00026</u>	Plug Recessed 2 NPT. Plastic	1
31	<u>TR10320</u>	Pin. Free Wheeling.	1
32	<u>F940224</u>	Hitch Pin Clip.	1
33	<u>KX50105</u>	Push Cap Nut.	1

19/03/2020

DRIVE SPROCKETS & CHAINS



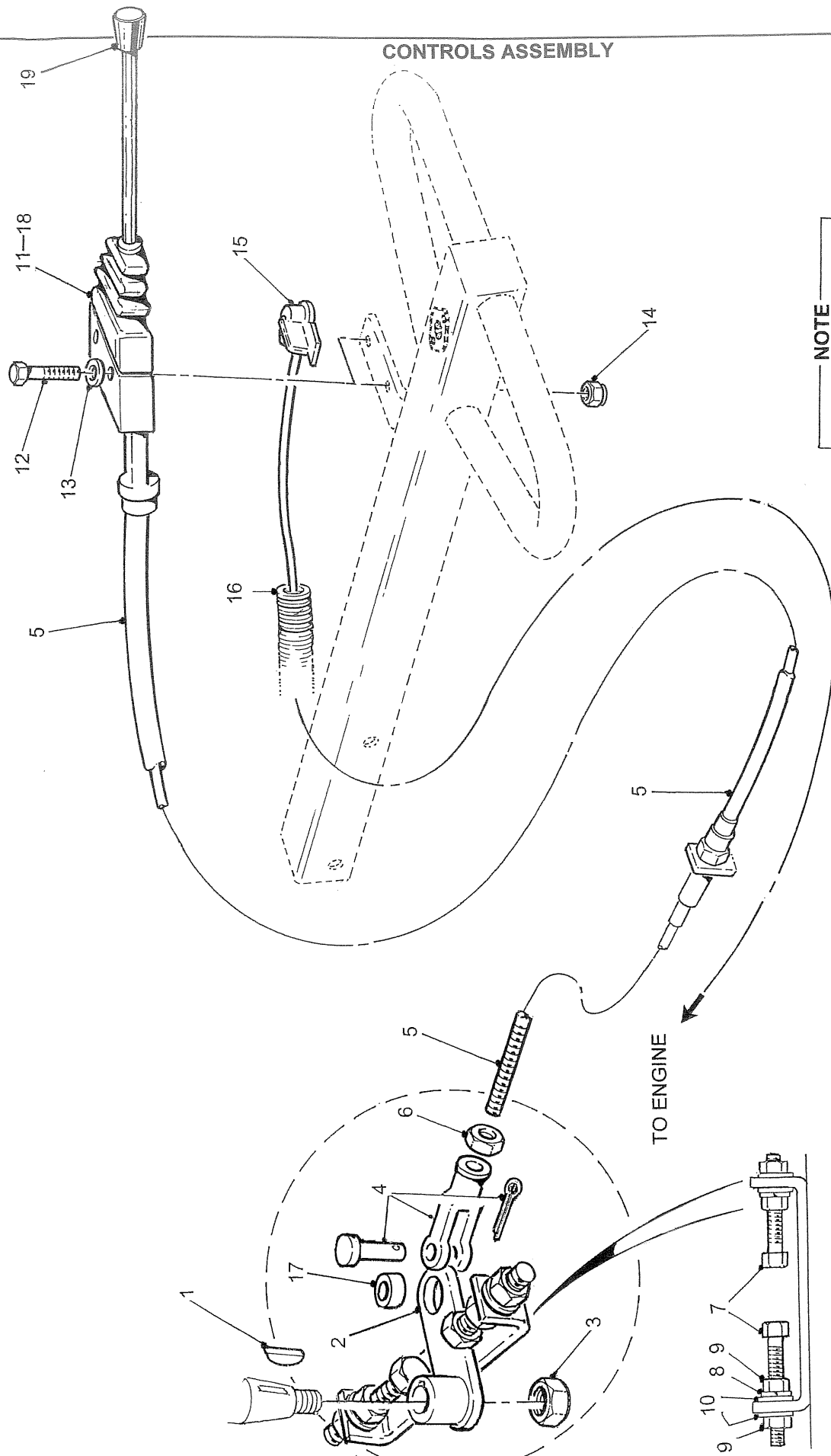
ITEM NO.	PART NO.	DESCRIPTION	QTY
BTR 30 TURF ROLLER DRIVE SPROCKETS & CHAINS			
1	<u>F900404</u>	Woodruff Key 1/8 z 1/2	1
2	<u>F140402</u>	Set Screw 1/4 unc Soc. Hd.	2
3	<u>TR10029</u>	Sprocket Transmission Shaft	1
4	<u>F211000</u>	Locknut 5/8 unc	1
5	<u>F321000</u>	Washer 5/8	2
6	<u>TR10089</u>	Spacer	1
7	<u>F041020</u>	Bolt 5/8 unc x 2 Gr.8	1
8	<u>KD70003</u>	Sprocket 18 T c/w Bearing	1
9	<u>F210700</u>	Locknut 7/16 unc	1
10	<u>F020712</u>	Carriage Bolt 7/16 unc x 1 1/4	1
11	<u>F320700</u>	Washer 7/16	1
12	<u>F310700</u>	Lockwasher 7/16	1
13	<u>F040720</u>	Bolt 7/16 unc x 2 Gr.8	1
14	<u>TR30067</u>	Sprocket Spindle	1
15	<u>KB50003</u>	Bearing	1
16	<u>F310400</u>	Lockwasher 1/4	1
17	<u>F040406</u>	Bolt 1/4 unc x 3/4 Gr.8	1
18	<u>TR10005</u>	Retaining Washer	1
19	<u>KB11623</u>	Bearing	1
20	<u>KH00026</u>	Plug Recessed 2 NPT. Plastic	1
21	<u>KD71000</u>	Chain Half Link #40 (if required)	1
22	<u>KD71001</u>	Chain Connecting Link #40	1
23	<u>TR10096</u>	Chain #40 Intermediate Sprocket to Transmission 39 1/2 in.	1
24	<u>KD41001</u>	Chain Half Link #50 (if required)	1
25	<u>KD41000</u>	Chain Connecting Link #50	1
26	<u>TR10097</u>	Chain #50 Roller to Int. Sprocket 48 1/2in.	1
27	<u>F260800</u>	Wheel Nut 1/2 unf	4
28	<u>F220850</u>	Jam Nut 1/2 unf	4
29	<u>TR10027</u>	Sprocket 72T (24in. Dia. Roller)	1
30	<u>F210800</u>	Locknut 1/2 unc	4
31	<u>F320800</u>	Washer 1/2	4
32	<u>F020716</u>	Carriage Bolt 1/2 unc x 1 3/4	4
33	<u>MB30001</u>	Bearing - Pillow Block	2
34	<u>TR30010</u>	Roller - 24 in. Dia. (Traction)	1
	<u>TR30180</u>	Roller - 24 in. Dia. (Smooth)	1
	<u>TR30183</u>	Roller - 24 in. Dia. (Traction. Heavy Duty)	1
35	<u>KH00015</u>	Pipe Plug 3/4 NPT. Sq. Hd.	1
36	<u>TR50249</u>	Intermediate Sprocket Assembly. See note	1
37	<u>TR10116</u>	Intermediate Sprocket	1
38	<u>TR10026</u>	Sprocket	1
39	<u>F120510</u>	Bolt 5/16 x 1 Flat Hd. Hex Soc.	4
40	<u>D001-054</u>	Decal - "Warning Crushing Hazard..."	1
41	<u>TR10098</u>	Chain Guard. Lower	1
42	<u>F040410</u>	Bolt 1/4 unc x 1 Gr.8	4
43	<u>F310400</u>	Lockwasher 1/4	4
44	<u>F320400</u>	Washer 1/4	4

NOTE

Use Part No. TR50322 to order the Intermediate Sprocket Assembly c/w Bearings.

19/03/2020

CONTROLS ASSEMBLY



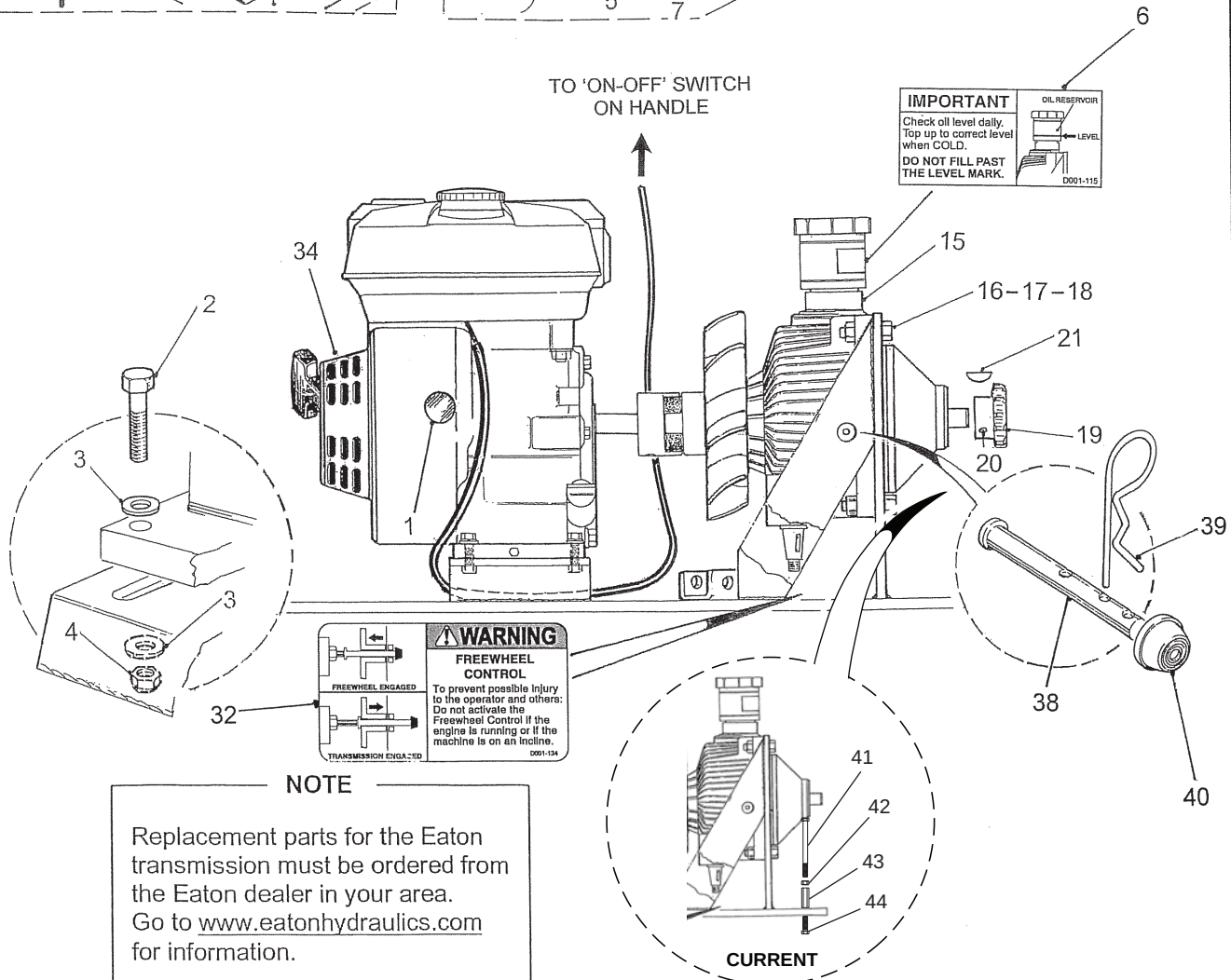
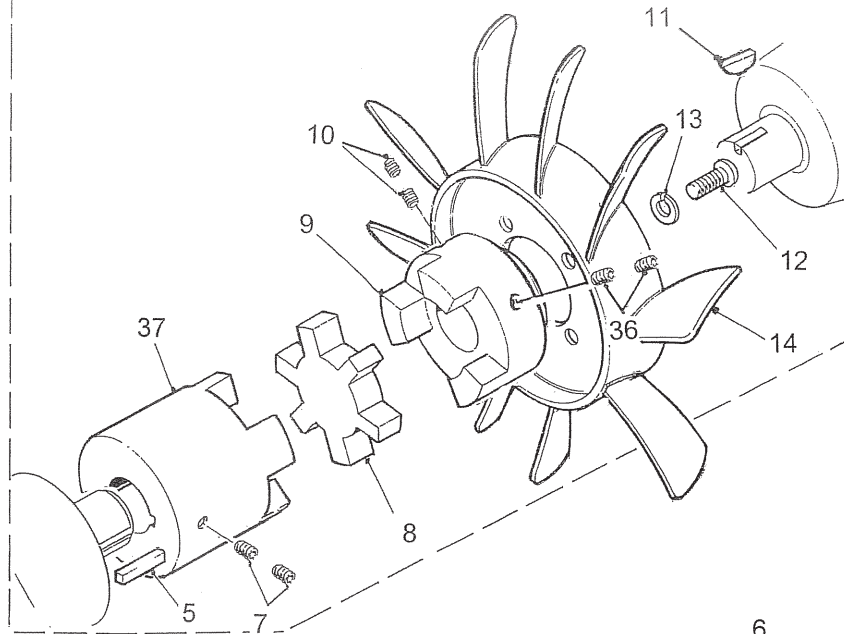
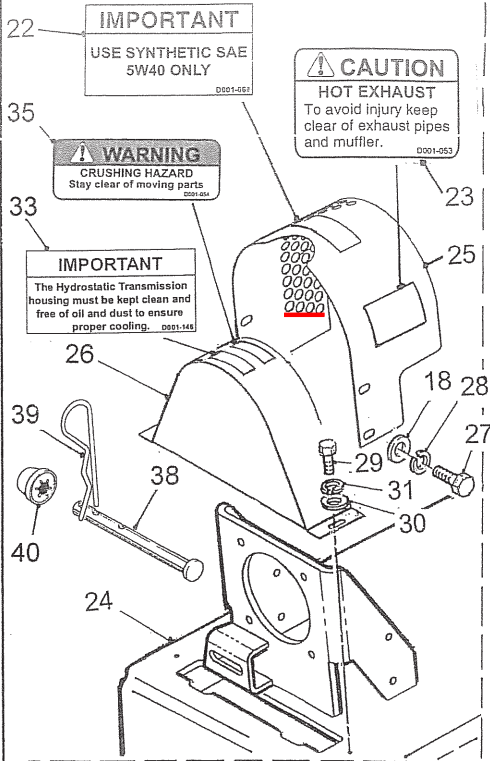
NOTE
See page 9 for Dead Man Switch Assembly.

ITEM NO.	PART NO.	DESCRIPTION	QTY
		BTR 30 TURF ROLLER CONTROLS ASSEMBLY	
1	<u>F900404</u>	Woodruff Key 1/8 x 1/2 Pan. Hd. Phil. S.S.	1
2	<u>TR30045</u>	Lever Arm	1
3	<u>F230600</u>	Nut 3/8 UNC (Locite)	1
4	<u>KM99002</u>	Clevis Cable End c/w Pin, Cotter Pin & Bushing	1
5	<u>KD10033</u>	Control Cable Ass'y	1
6	<u>F220450</u>	Jam Nut 1/4 - 28 UNF	1
7	<u>F010512</u>	Bolt 5/16 UNC x 1 1/4	2
8	<u>F310500</u>	Lockwasher 5/16	2
9	<u>F230500</u>	Nut 5/16 UNC	4
10	<u>F320500</u>	Washer 5/16	4
11	<u>TR50195</u>	F-N-R Control Assembly c/w Cable	1
	<u>KD10027</u>	Control Assembly. F-N-R	1
12	<u>F040522</u>	Bolt 5/16 unc x 2 1/2 Gr.8	2
13	<u>F320500</u>	Washer 5/16	2
14	<u>F210500</u>	Locknut 5/16	2
15	<u>KD40025</u>	Switch 'ON-OFF' (Honda Part)	1
16	<u>TR50188</u>	Loom 'ON-OFF' Switch to Engine	Ref
17	<u>KB10404</u>	Bushing	1
18	<u>KD10044</u>	Control Assembly. Service Kit	1
19	<u>KM99055</u>	Knob	1

NOTE

Item 18 - Control Assembly Service Kit includes a Bolt, Lockwasher, Cable End Bushing - KB10422, and Snap Ring - F830425.

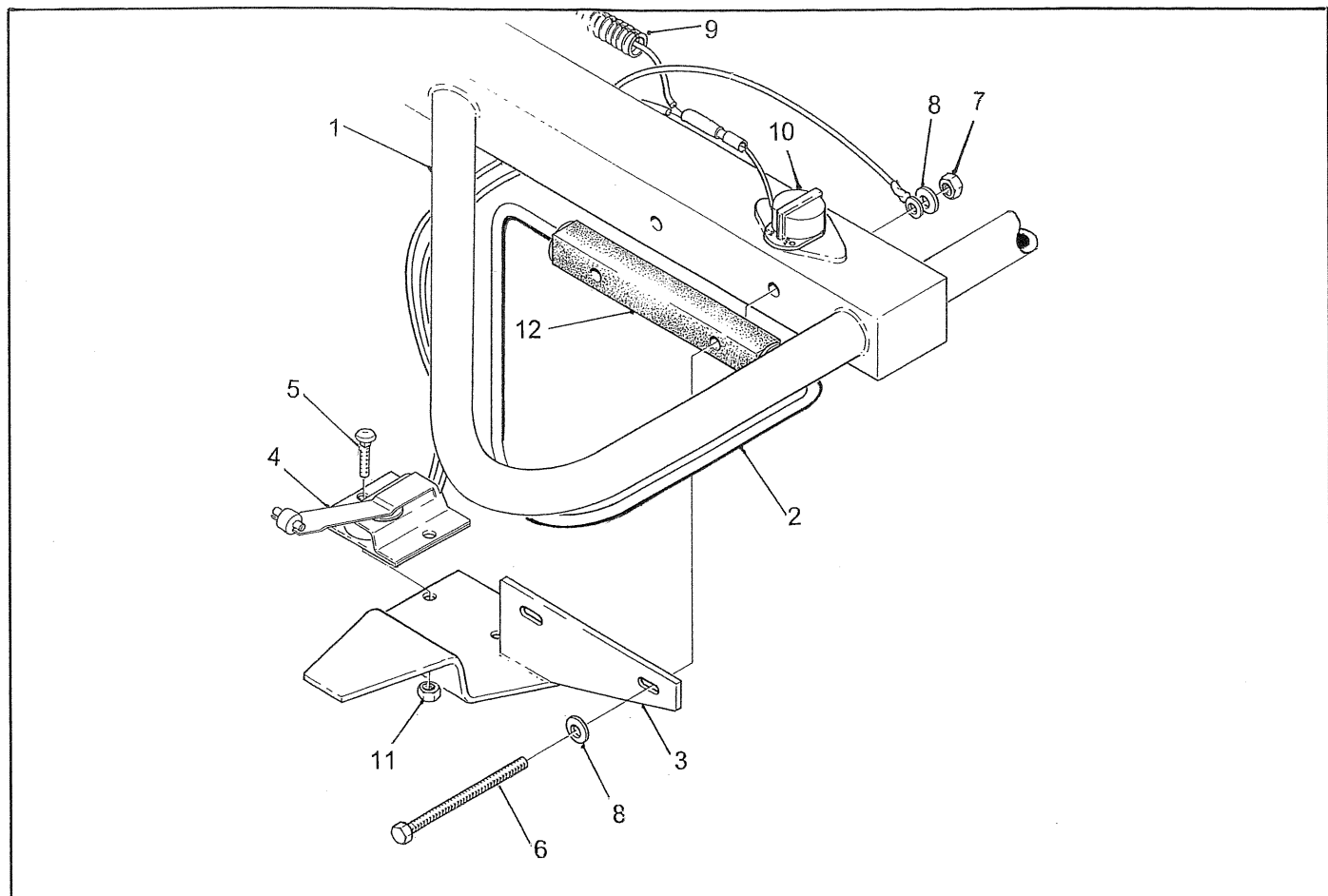
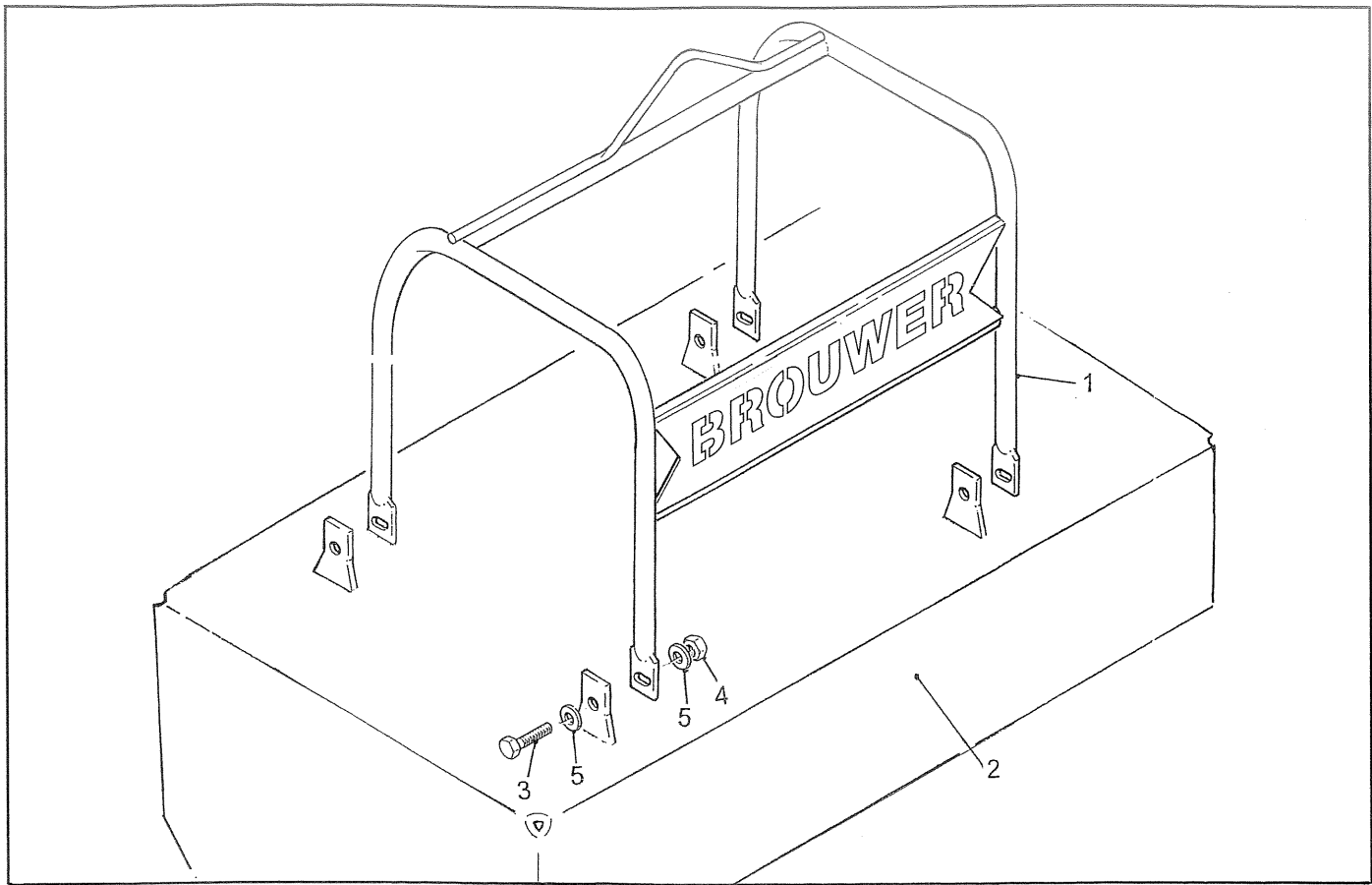
ENGINE & TRANSMISSION ASSEMBLY



ITEM NO.	PART NO.	DESCRIPTION	QTY
BTR 30 TURF ROLLER ENGINE & TRANSMISSION ASSEMBLY			
1	<u>KM30012</u>	Plug	1
2	<u>F010516</u>	Bolt 5/16 UNC x 1 3/4	4
3	<u>F320500</u>	Washer 5/16	8
4	<u>F210500</u>	Locknut 5/16 UNC	4
5	<u>F923310</u>	Key 3/16 x 3/16 x 1 (Engine shaft)	1
6	<u>D001-115</u>	Decal - "Important Check Oil Level..."	1
7	<u>F140502</u>	Set Screw UNC 5/16 Soc. Hd.	2
8	<u>KD85104</u>	Coupling Insert	1
9	<u>TR10028</u>	Half Coupling (Transmission)	1
10	<u>F140402</u>	Set Screw 1/4 UNC Soc. Hd.	2
11	<u>F900404</u>	Woodruff Key 1/8 x 1/2 Pan. Hd. Phil. S.S.	2
12	<u>F700204</u>	Screw #10 - 24 x 1/2	4
13	<u>F310200</u>	Lockwasher #10	4
14	<u>TR10177</u>	Cooling Fan	1
15	<u>KD40017</u>	Transmission (Eaton Model 7)	1
16	<u>F010632</u>	Bolt 3/8 UNC x 3 1/4	4
17	<u>F210600</u>	Locknut 3/8 UNC	4
18	<u>F320600</u>	Washer 3/8	8
19	<u>TR10029</u>	Sprocket (Transmission Shaft)	1
20	<u>F140402</u>	Set Screw 1/4 UNC Soc. Hd.	2
21	<u>F900404</u>	Woodruff Key 1/8 x 1/2	1
22	<u>D001-068</u>	Decal - "Important Use Synthetic..."	1
23	<u>D001-053</u>	Decal - "Caution Hot Exhaust..."	1
24	<u>TR30033</u>	Roller Housing	1
25	<u>TR10030</u>	Fan Shroud	1
26	<u>TR30039</u>	Chain Guard	1
27	<u>F040610</u>	Bolt 3/8 unc x 1 Gr.8	4
28	<u>F310600</u>	Lockwasher 3/8	4
29	<u>F040410</u>	Bolt 1/4 unc x 1 Gr.8	2
30	<u>F320400</u>	Washer 1/4	2
31	<u>F310400</u>	Lockwasher 1/4	2
32	<u>D001-134</u>	Decal - "Warning Freewheel Control..."	1
33	<u>D001-146</u>	Decal - "Important Keep Hydrostatic Transmission clean..."	1
34	<u>KD40019</u>	Honda Engine GX 160 - See Note on Front Page of Parts List	1
35	<u>D001-054</u>	Decal - "Warning Crushing Hazard..."	1
36	<u>F140502</u>	Set Screw 5/16 unc x 1/4	2
37	<u>TR10239</u>	Half Coupling (Engine)	1
38	<u>TR10320</u>	Pin. Free Wheeling	1
39	<u>F940224</u>	Hitch Pin Clip	1
40	<u>KX50105</u>	Push Cap Nut	1
41	<u>F040634</u>	Bolt 3/8 N.C. x 3 1/2 Lg. - Current	1
42	<u>F210608</u>	Locknut 3/8 N.C. - Current	1
43	<u>F23009</u>	Coupling Nut 3/8 N.C. - Current	1
44	<u>F040606</u>	Bolt 3/8 N.C. x 3/4 Lg. - Current	1

NOTE

Items 41, 42, 43 & 44 are
Current from Mid April 2017



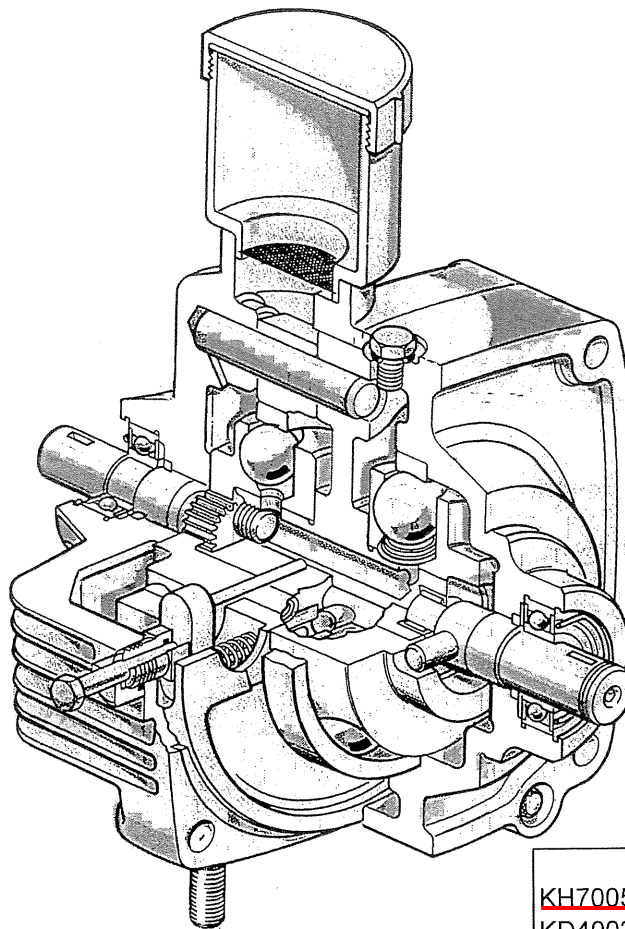
ITEM NO.	PART NO.	DESCRIPTION	QTY
		BTR 30 TURF ROLLER POWER PROTECTION ASSEMBLY	
1	<u>TR30382</u>	Roll Cage	1
2	<u>TR30033</u>	Roller Housing	1
3	<u>F040610</u>	Bolt- 3/8 unc x 1 GR. 8	4
4	<u>F230600</u>	Nut 3/8 unc	4
5	<u>F320600</u>	Washer 3/8	8

ITEM NO.	PART NO.	DESCRIPTION	QTY
		BTR 30 TURF ROLLER DEAD MAN SWITCH ASSEMBLY	
1	<u>TR30083</u>	Handle	1
2	<u>TR30099</u>	Dead Man Handle	1
3	<u>TR30101</u>	Switch Mounting Bracket	1
4	<u>KE80005</u>	Limit Switch	1
5	<u>F580204</u>	Bolt- #10 St. Stl. Pan Hd.	2
6	<u>F040440</u>	Bolt- 1/4 unc x 4 GR. 8	2
7	<u>F230400</u>	Nut- 1/4 unc	2
8	<u>F320400</u>	Washer 1/4	4
9	<u>TR50188</u>	Loom Assembly	1
10	<u>KD40025</u>	ON-OFF' Switch	1
11	<u>F210300</u>	Locknut #10	2
12	<u>TR10100</u>	Pivot Mount. Dead Man Handle	1

Eaton
Hydraulics
Division

Parts Information

Model 7 Eaton Hydrostatic Transmission



NOTE

KH70055 Transmission Overhaul Kit & KD40023 Reservoir Kit can be ordered from Kesmac parts department. ALL OTHER TRANSMISSION PARTS ARE LISTED FOR CUSTOMER CONVENIENCE, BUT **MUST** BE ORDERED FROM THE EATON AREA DEALER.

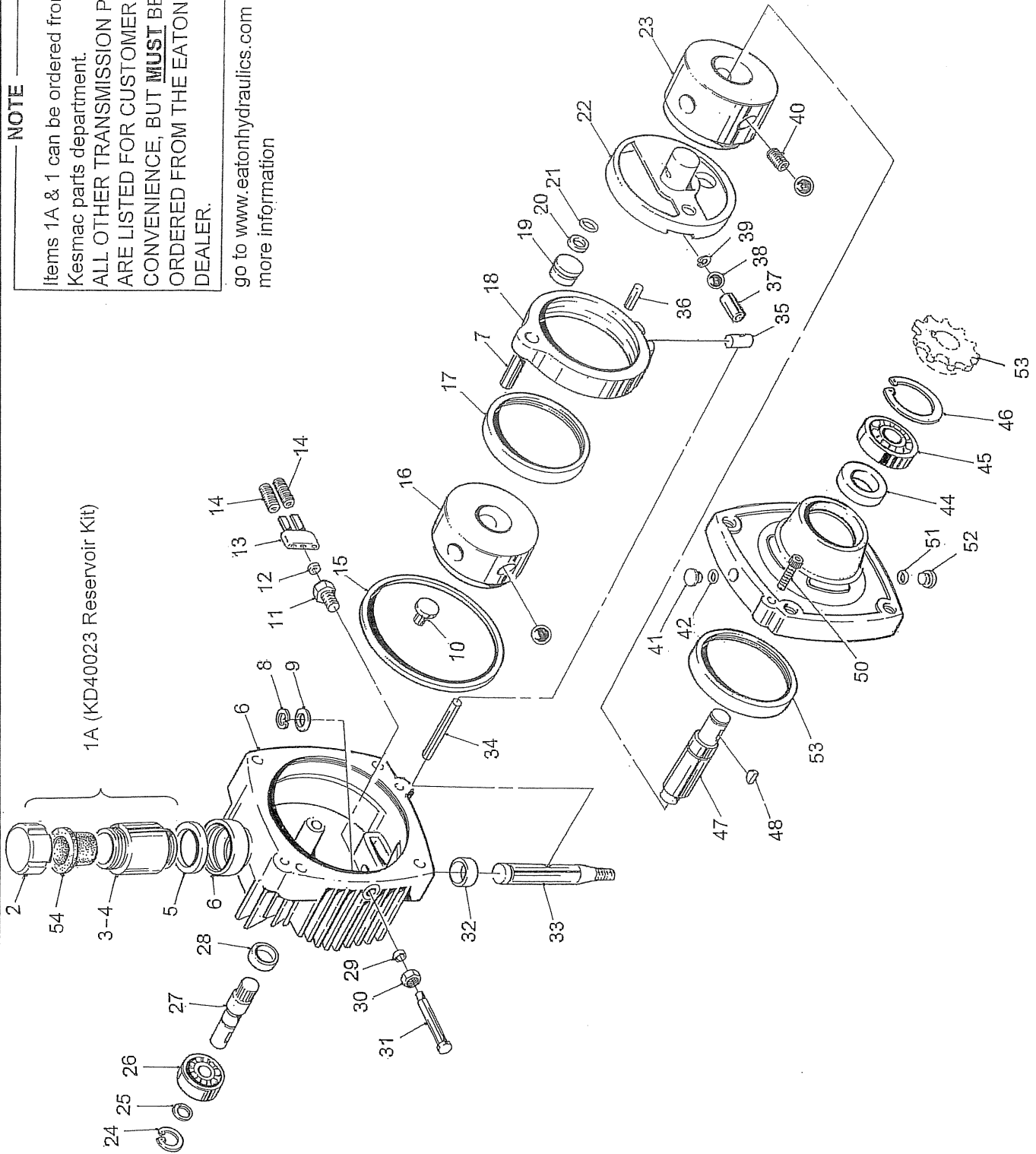
go to www.eatonhydraulics.com for more information

EATON

NOTE

Items 1A & 1 can be ordered from Kesmac parts department.
ALL OTHER TRANSMISSION PARTS ARE LISTED FOR CUSTOMER CONVENIENCE, BUT **MUST** BE ORDERED FROM THE EATON AREA DEALER.

go to www.eatonhydraulics.com for more information



ITEM NO.	PART NO.	DESCRIPTION	QTY
		EATON MODEL 7 HYDROSTATIC TRANSMISSION	
1	<u>KH70055</u>	Transmission Overhaul Kit	
1A	<u>KD40023</u>	Transmission Reservoir Kit	1
2	<u>103531</u>	Reservoir Cover	1
3	<u>104322</u>	Reservoir Body	1
4	<u>104068</u>	Reservoir Diaphragm	1
5	<u>008771-130</u>	Square Cut Seal Ring	1
6	<u>990176</u>	Cover Service Kit	1
7	<u>93881</u>	Pivot Pin Dowel	1
8	<u>096098-062</u>	External Retaining Ring	1
9	<u>95060</u>	Control Shaft Washer	1
10	<u>101597</u>	Button	1
11	<u>24234</u>	'O' Ring Fitting Guide Sub-assembly	1
12	<u>008761-010</u>	'O' Ring	1
13	<u>24166</u>	Bracket - Pins Sub-assembly	1
14	<u>72149</u>	Valve Spring	2
15	<u>008771-162</u>	Square Cut Seal Ring	1
16	<u>22712</u>	Pump Rotor - Ball Sub-assembly	1
17	<u>40520</u>	Pump Race	1
18	<u>102623</u>	Cam Ring	1
19	<u>102451</u>	Piston	2
20	<u>088770-113</u>	Back-up Ring	2
21	<u>008765-113</u>	'O' Ring	2
22	<u>102454</u>	Pintle Sub-assembly	1
23	<u>104111</u>	Motor Rotor- Ball Sub-assembly	1
24	<u>101680-156</u>	Retaining Ring	1
25	<u>97121</u>	Snap Ring	1
26	<u>90797</u>	Ball Bearing (Input)	1
27	<u>62184</u>	Input Shaft	1
28	<u>93955</u>	Oil Seal	1
29	<u>82112</u>	Gasket	1
30	<u>24235</u>	Nut - Gasket Sub-assembly	1
31	<u>62240</u>	Dump Valve Shaft	1
32	<u>93895</u>	Oil Seal	1
33	<u>990083</u>	Control Shaft Kit	1
34	<u>990083</u>	Dowel 3/8 dia. x 1 3/4 lg.	1
35	<u>95203</u>	Cam Ring Insert	1
36	<u>098294-075</u>	Coil Pin 5/16 dia. x 3/4 lg.	1
37	<u>70130</u>	Check Valve Body	2
38	<u>0095881-031</u>	Grade 200 Ball 5/16 dia.	2
39	<u>95214</u>	Retaining Ring	2
40	<u>70044</u>	Piston Spring	5
41	<u>025090-006</u>	'O' Ring Plug Sub-assembly	1
42	<u>008785-006</u>	Tube Fitting 'O' Ring	1
43	<u>32278</u>	Body	1
44	<u>93955</u>	Oil Seal	1
45	<u>90797</u>	Ball Bearing (Output)	1
46	<u>101680-156</u>	Retaining Ring	1
47	<u>22892</u>	Output Shaft Sub-assembly	1
48	N/A	Woodruff Key #3	1

NOTE

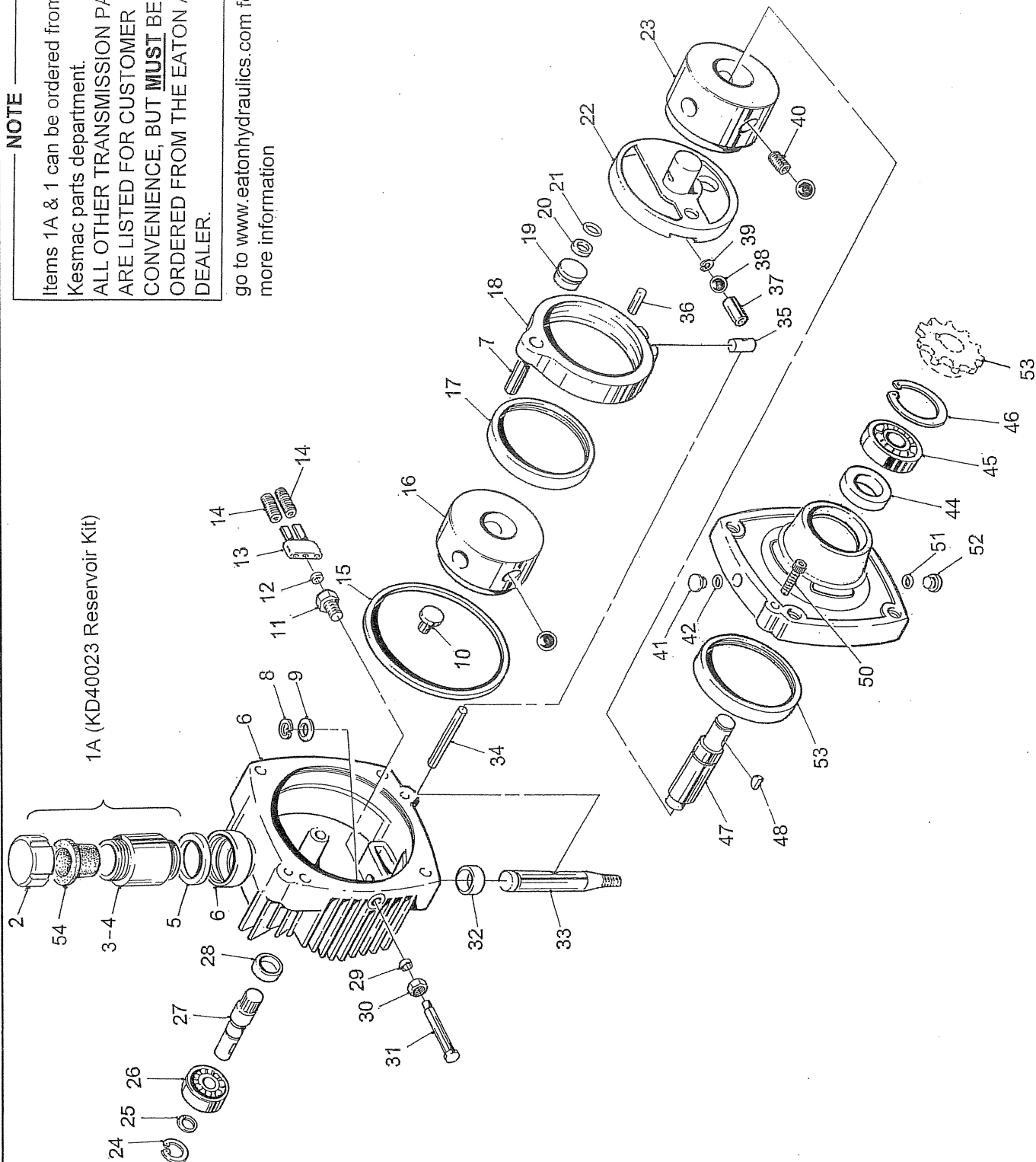
Items 1A & 1 can be ordered from Kesmac parts department.
ALL OTHER TRANSMISSION PARTS ARE LISTED FOR CUSTOMER CONVENIENCE, BUT **MUST** BE ORDERED FROM THE EATON AREA DEALER.

go to www.eatonhydraulics.com for more information

NOTE

Items 1A & 1 can be ordered from Kesmac parts department.
ALL OTHER TRANSMISSION PARTS ARE LISTED FOR CUSTOMER CONVENIENCE, BUT **MUST** BE ORDERED FROM THE EATON AREA DEALER.

go to www.eatonhydraulics.com for more information



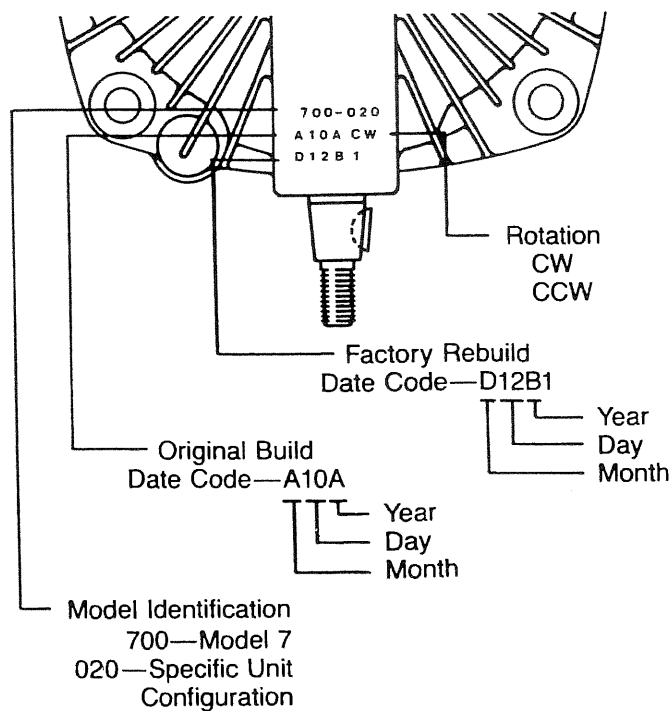
ITEM NO.	PART NO.	DESCRIPTION	QTY
		EATON MODEL 7 HYDROSTATIC TRANSMISSION	
49	<u>40519</u>	Motor Race	1
50	<u>095912-125</u>	Socket Hd. Capscrew	2
51	<u>008785-006</u>	Tube Fitting 'O' Ring	1
52	<u>025090-005</u>	'O' Ring Plug Assembly	1
53	<u>TR10029</u>	Sprocket (Transmission Shaft)	ref
54	<u>KD40033</u>	Diaphragm. Reservoir	1

EATON®
MODEL 7
HYDROSTATIC PUMP
PARTS INFORMATION
NO. 6-606

HOW TO ORDER
REPLACEMENT PARTS

EACH ORDER MUST INCLUDE
THE FOLLOWING INFORMATION

1. Product Number
2. Date Code
3. Part Name
4. Part Number
5. Quantity of Parts



Eaton Corporation **Hydraulics Division** 15151 Highway 5 Eden Prairie, MN 55344 Telephone (612) 937-9800

EAT•N

FORM NO. 6-606-86



Kesmac Inc.

23324 Woodbine Avenue, Keswick Ontario Canada L4P 0N1

Tel (905) 476-6222 Fax (905) 476-6744

Web Site www.brouwerkesmac.com Email info@kesmac.com