



Parts and Operators Manual

STM Humus Super M36 (85) Deck

Pedestrian

Version 3 - September 2016



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STM Humus Super M36 deck

BELT ADJUSTMENTS

To adjust the engine-driven belt, remove the guard (43)

Engine-driven belt

Tighten nut to keep washer level with face of endplate [see figure 2]

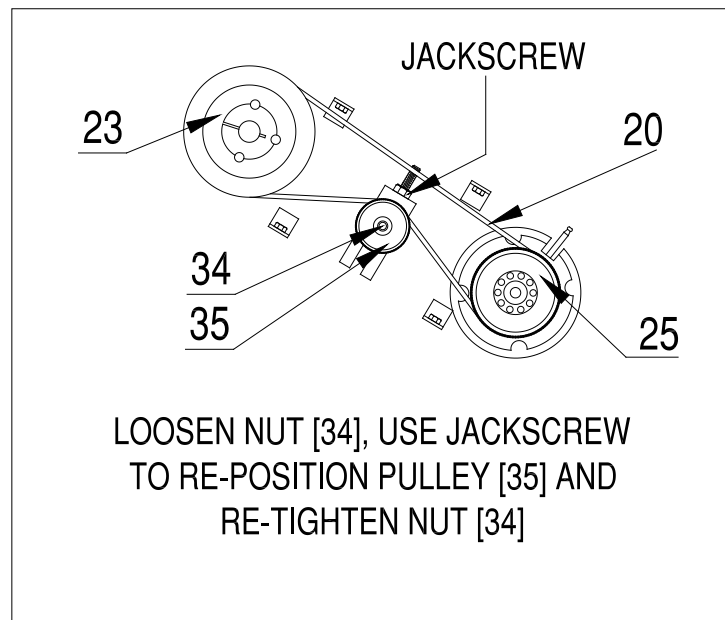
Do not over-tension!

Twin rotor drive belts

Remove guard (19), slacken locknut (34) in centre of flat pulley (35), and adjust by use of jack-screw. Re-tighten locknut. (See illustration below).

Do not over-tension belts!

fig. 1



BELT REPLACEMENT

Engine-driven belt

Remove guard (43): Undo and remove nut and spring shown in fig 2. This slackens off the electric clutch pre-tension mechanism.

Replace belt.

Re-assemble belt tensioner and finally tighten the nut until the washer is level with the face of the endplate. [See illustration]

STM Humus Super M36 deck

BELT REPLACEMENT [continued]

fig 2

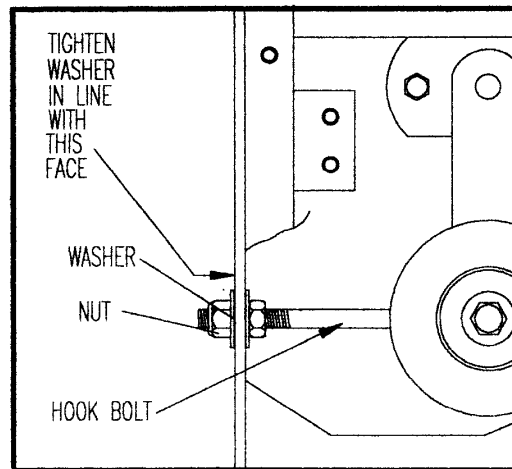


Illustration for pre-tensioning pulley

Rotor belts

Remove guard (27), slacken adjuster pulley (35) to bottom of slide and remove belts. **ALWAYS REPLACE THESE BELTS IN PAIRS.**

Adjust belt tension as above and refit guard.

LUBRICATION & MAINTENANCE

Gearbox

Check level every 100 hours and top up as required.

Remove level plug and fill through plug hole with gear oil EP80/140.

Duplex chain (22)- gearbox to top pulley

Lubricate with Open Chain Oil – daily

Bearings

Driveshaft (27) - give 2 or 3 shots with a hand-held grease gun every 500 hours. **DO NOT OVER-GREASE**

Rotor shaft – 2 or 3 grease shots **every 20 hours**. Grease nipples accessed at each end.

Both ends must be greased. This procedure is vital to the working of the unit.

Roller

Grease bearings [each end] with 2-3 shots, daily.

Caster wheels: (swivel and axle nipples) - lubricate every 12-14 hours.

STM Humus Super M36 deck

VISUAL CHECKS

Belt tension:

Check after initial ten hours and adjust as necessary. After that, check and adjust every 10 hours.

Flaps:

Check for damage, cracks or wear and replace as necessary

Bolts / Nuts:

Check none have loosened [after initial ten hours, then weekly]

Cutters:

Check condition of cutting teeth units daily and replace if damaged.

Caster wheels:

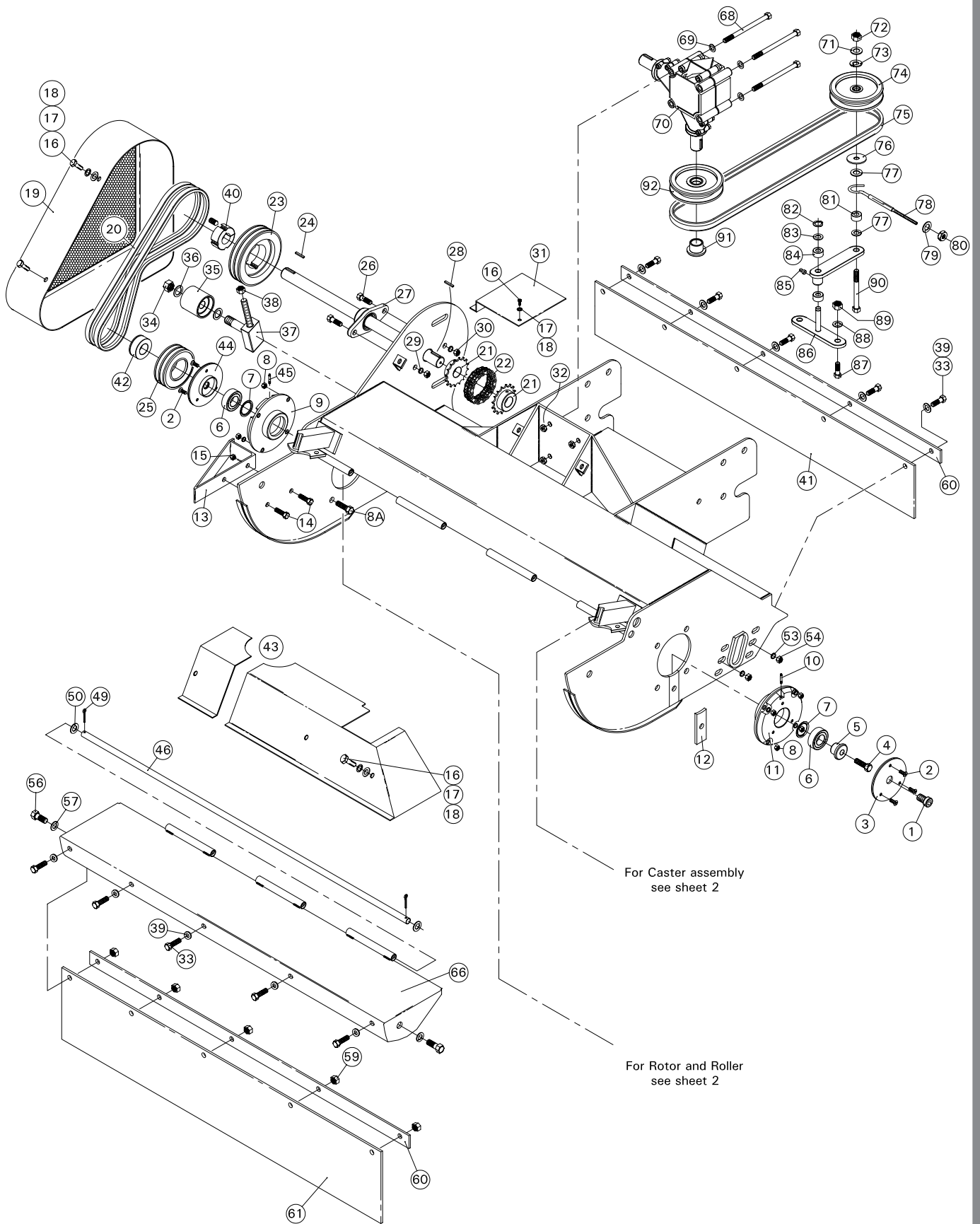
Should be free to swivel and revolve freely. Check for damage to tyres and replace if required.

NOTE

*If machine supplied with optional casters,
the spreader bar [part 67 on the exploded diagram]
MUST BE INSTALLED for non-roller cutting requirements
to prevent risk of damage to rotor bearings*

Utilise the rotor fixings.

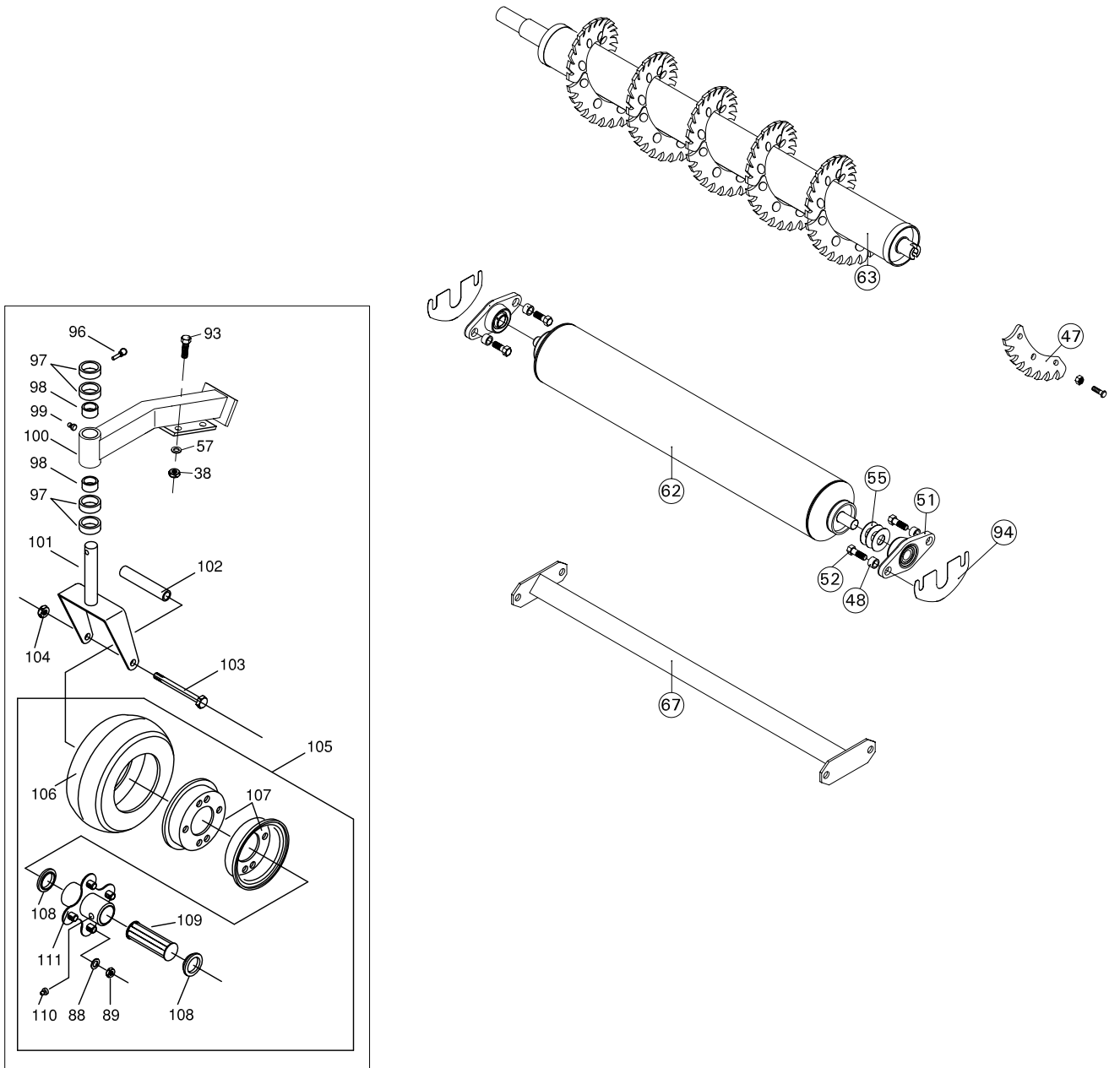
STM HUMUS 36 Sheet 1



STM HUMUS 36 Sheet 2

Roller - Roller

Optional caster assembly and spreader bar



STM Humus Super M36 deck

Drawing ref	Part No.	Description
1	M26391634	Pipe plug
2	M97991015	Flathead screw
3	M26391616	Cover
4	M90912152	Allen Bolt
5	M90127003	Retainer
6	M89022207	Bearing
7	M83002007	Seal
8	M81000335	Nut
8A	M97991605	Bolt
9	M26395184	Bearing casing
10	M97141201	Grease nipple [short]
11	M26395185	Bearing casing
12	10462	Filler plate
13	10463	Deflector
14	PL	Bolt
15	PL	Nut
16	PL	M6 x 15 Bolt
17	PL	M6 Spring washer
18	PL	M6 Flat washer
19	10493	Rotor end guard
20	10494	Belts [set of 2]
21	10453A	Coupling assembly: part 1 of 2
22	10453A	Coupling assembly: part 2 of 2
23	10495	Pulley set
24	PL	Key 8 x 7 x 35
25	M26619538	Pulley
26	PL	M8 x 35
27	10003	Bearing
28	PL	Key 8 x 7 x 30
29	PL	M8 Spring washer
30	PL	Nut: M8 Nyloc
31	10496	Guard
32	PL	Nut: M10 Nyloc
33	PL	Nut: M12 Nyloc
34	PL	Nut: M12 Nyloc
35	10264	Tensioner roller
36	10469	Flat washer
37	10470	Adjuster block
38	PL	Nut: M10 Nyloc
39	PL	M6 Flat washer

STM Humus Super M36 deck

Drawing ref	Part No.	Description
40	10471	Taper bush
41	M26891526	Rear flap
42	M80013002	Keyless bush
43	10621	Guard - two pieces
44	M26691537	Bearing cover
45	M97141201	Grease nipple [long]
46	M26891508	Shaft
47	M26695108	Blade set: [3 blades & fixings]
48	10479	Spacer [bearing]
49	PL	Cotter pin
50	PL	Flat washer
51	M89000025	Bearing
52	M90927004	Bolt
53	M90127004	Washer
54	M90934005	Nut
55	M26891361	Spacer
56	PL	Bolt: M10 x 25
57	PL	M10 flat washer
58	PL	Nut: M10 Nyloc
59	PL	Nut: M6 Nyloc
60	M26891506	Retaining strip
61	M26891524	Front flap
62	M26895056	Roller
63	M26895104	Shaft complete
64	10498	Hood - cowling only
65		
66	M26895157	Front guard
67	10597	Spreader bar
68	PL	Bolt
69	PL	Washer: 24 x 10 x 3
70	10013	Gearbox
71	10019-B	Pulley
72	PL	Hex nut: 3/8"
73	PL	Spring washer 3/8"
74	10129	Pulley assy inc. brg. and bush
75	10353	Belt
76	43063	Spacer
77	PL	Washer 10 x 21
78	44101	Eye bolt
79	PL	Washer 24 x 10 x 3

STM Humus Super M36 deck

Drawing ref	Part No.	Description
80	PL	Nut: M10 Nyloc
81	PL	Washer 3/8 x 2"
82	04050-02	Retainer ring
83	PL	Flat washer
84	48100-05	Bronze brg.
85	43114-01	Grease nipple
86	10043	Idler pivot
87	PL	Bolt: M8 x 30
88	PL	Spring washer - 8mm
89	PL	Hex nut - 8mm
90	PL	Bolt: 3/8 x 3"
91	10045	Taper hub lock
92	482148	Pulley
93	PL	Bolt: M10 x 35
94	M26691397	Spacer - hUMUS 26691397
95		
96	04066-01	Quick pin
97	43037-01	1/2" Spacer [caster yoke]
98	48100-01	Bronze bearing
99	48114-04	Grease nipple
100	10547	Support arm
101	45006	Caster yoke
102	43022	Sleeve [caster wheel bearing]
103	04001-37	Bolt
104	04021-07	Hex locknut: 1/2" x 13
105	48307	Wheel assy: [inc 88, 89 & 106-111]
106	481774	Tyre only [caster wheel]
107	481772	Rim only [caster wheel]
108	481770	Bearing retainer [caster wheel]
109	481769	Roller bearing [caster wheel]
110	48114-03	Grease nipple
111	481768	Hub assy - incl. bolts
112	481773	Inner tube only [caster wheel]

PL _ Purchase Locally