COMPONENT ORIENTATION CORRECT WHEN TRACTOR IS VIEWED FROM ABOVE FROM LEFT (DISTRIBUTOR) SIDE OF TRACTOR
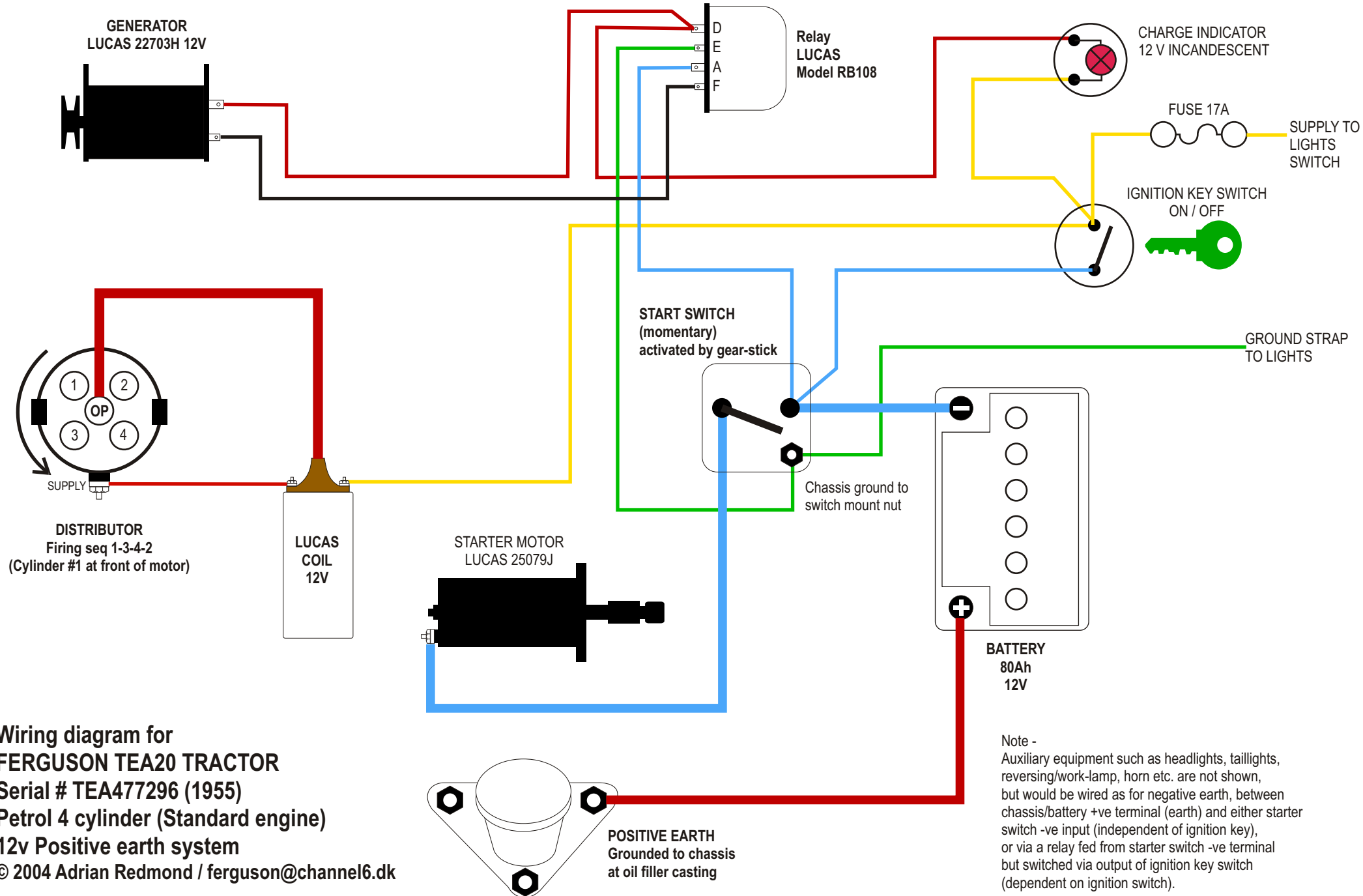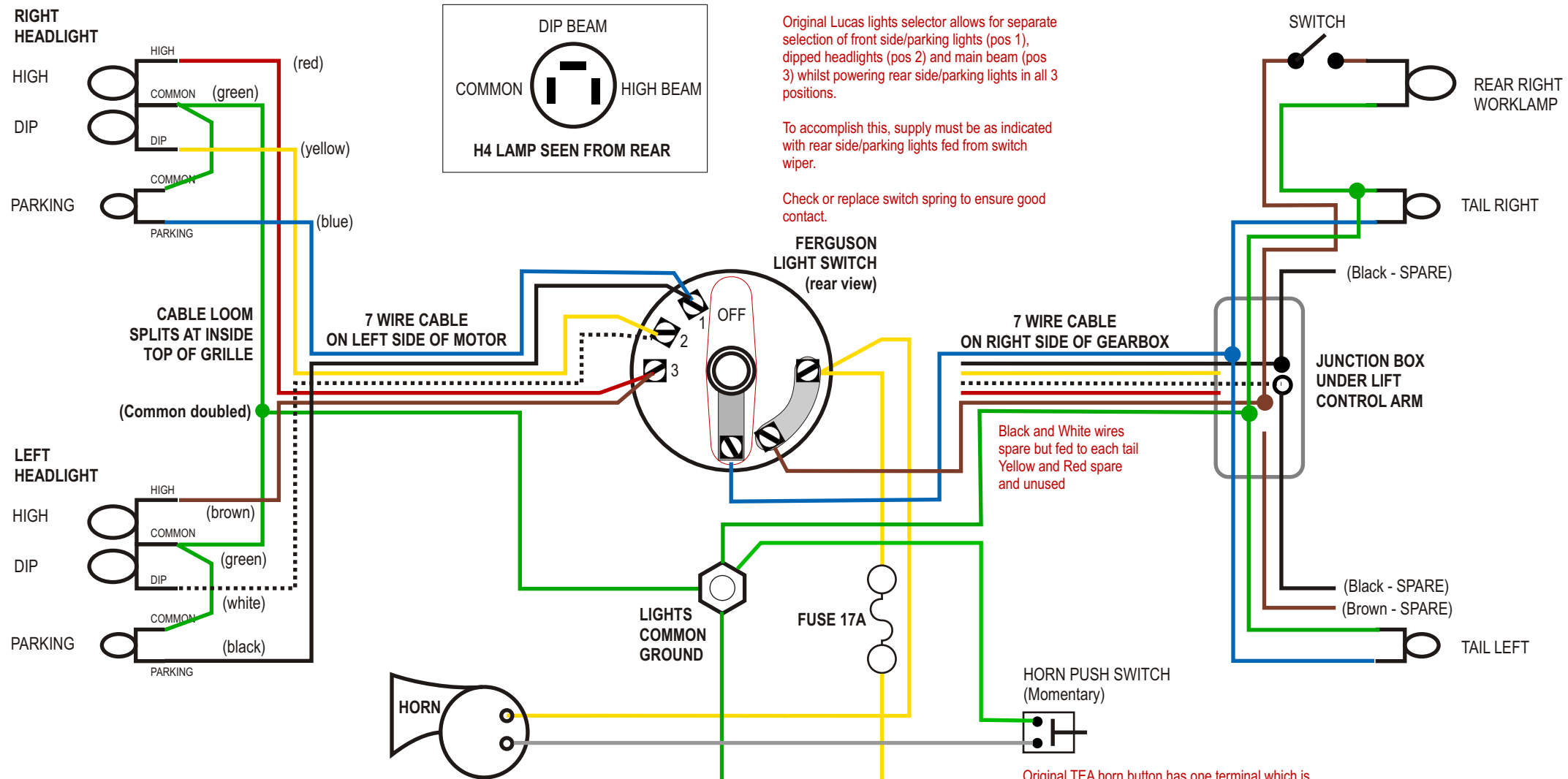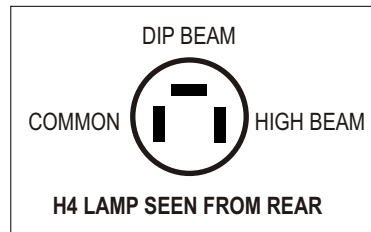
**GENERATOR
LUCAS 22703H 12V**

D
E
A
F

**Relay
LUCAS
Model RB108**

**CHARGE INDICATOR
12 V INCANDESCENT**

FUSE 17A

SUPPLY TO
LIGHTS
SWITCH

**IGNITION KEY SWITCH
ON / OFF**

**START SWITCH
(momentary)
activated by gear-stick**

GROUND STRAP
TO LIGHTS

1   2
OP
3   4

SUPPLY

**DISTRIBUTOR
Firing seq 1-3-4-2
(Cylinder #1 at front of motor)**

**LUCAS
COIL
12V**

STARTER MOTOR
LUCAS 25079J

Chassis ground to
switch mount nut

**BATTERY
80Ah
12V**

**Wiring diagram for
FERGUSON TEA20 TRACTOR
Serial # TEA477296 (1955)
Petrol 4 cylinder (Standard engine)
12v Positive earth system**
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**POSITIVE EARTH
Grounded to chassis
at oil filler casting**

Note -
Auxiliary equipment such as headlights, taillights,
reversing/work-lamp, horn etc. are not shown,
but would be wired as for negative earth, between
chassis/battery +ve terminal (earth) and either starter
switch -ve input (independent of ignition key),
or via a relay fed from starter switch -ve terminal
but switched via output of ignition key switch
(dependent on ignition switch).

COMPONENT ORIENTATION CORRECT WHEN TRACTOR IS VIEWED FROM ABOVE FROM LEFT (DISTRIBUTOR) SIDE OF TRACTOR

RIGHT HEADLIGHT

HIGH

DIP

PARKING

HIGH
COMMON
DIP
COMMON
PARKING

(red)
(green)
(yellow)
(blue)

DIP BEAM

COMMON   HIGH BEAM

H4 LAMP SEEN FROM REAR

Original Lucas lights selector allows for separate selection of front side/parking lights (pos 1), dipped headlights (pos 2) and main beam (pos 3) whilst powering rear side/parking lights in all 3 positions.

To accomplish this, supply must be as indicated with rear side/parking lights fed from switch wiper.

Check or replace switch spring to ensure good contact.

SWITCH

REAR RIGHT WORKLAMP

TAIL RIGHT

(Black - SPARE)

CABLE LOOM SPLITS AT INSIDE TOP OF GRILLE

7 WIRE CABLE ON LEFT SIDE OF MOTOR

FERGUSON LIGHT SWITCH (rear view)

OFF

1

2

3

7 WIRE CABLE ON RIGHT SIDE OF GEARBOX

JUNCTION BOX UNDER LIFT CONTROL ARM

(Common doubled)

Black and White wires spare but fed to each tail Yellow and Red spare and unused

LEFT HEADLIGHT

HIGH

DIP

PARKING

HIGH
COMMON
DIP
COMMON
PARKING

(brown)
(green)
(white)
(black)

LIGHTS COMMON GROUND

FUSE 17A

HORN

HORN PUSH SWITCH (Momentary)

(Black - SPARE)
(Brown - SPARE)

TAIL LEFT

GROUND STRAP TO STARTER SWITCH MOUNT BOLT

SUPPLY 12V -ve FROM IGNITION KEY

Original TEA horn button has one terminal which is shorted to switch chassis and ground when pressed, therefore to use this button the horn must be permanently fed with 12v and grounded via the switch. Remember that the tractor is positive ground!

For modern single pole button with isolated terminals feed live to one horn terminal via switch and ground the other horn terminal.

Wiring diagram for lights & horn
FERGUSON TEA20 TRACTOR
Serial # TEA477296 (1955)
Petrol 4 cylinder (Standard engine)
12v Positive earth system
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