RX1575 Electric

N2 -Display Unit

P3 - Hour Meter
H1 - Battery Charge indicator
H2 - Pre-heating lamp
H3 - Oil Pressure indicator
H4 - Water Temp indicator
H5 - Shutdown bar warning lamp
H6 - Error warning lamp

Filter Numbers

Engine Oil Filter 11930535151
Fuel/Water Sep 17108155910
T4i Air Filter 1224448
T4F Air Filter Outer 1300308
T4F Air Filter Inner 1300309

Fuel Filter 11981055650
Fuel Pump 11922552102
500 Hr Service Kit 1228783

IR Transmitter Parts

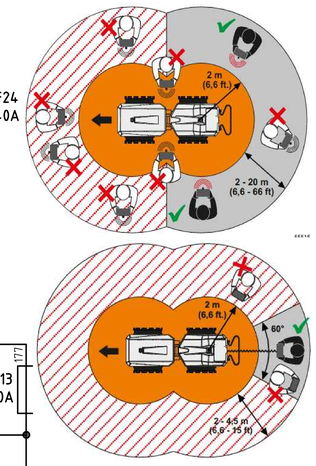
Start/Stop Switch - P/N 52077
High/Low Speed - P/N 52011
Rubber Boots - P/N 1415868
4-Wire Battery - P/N 1266872

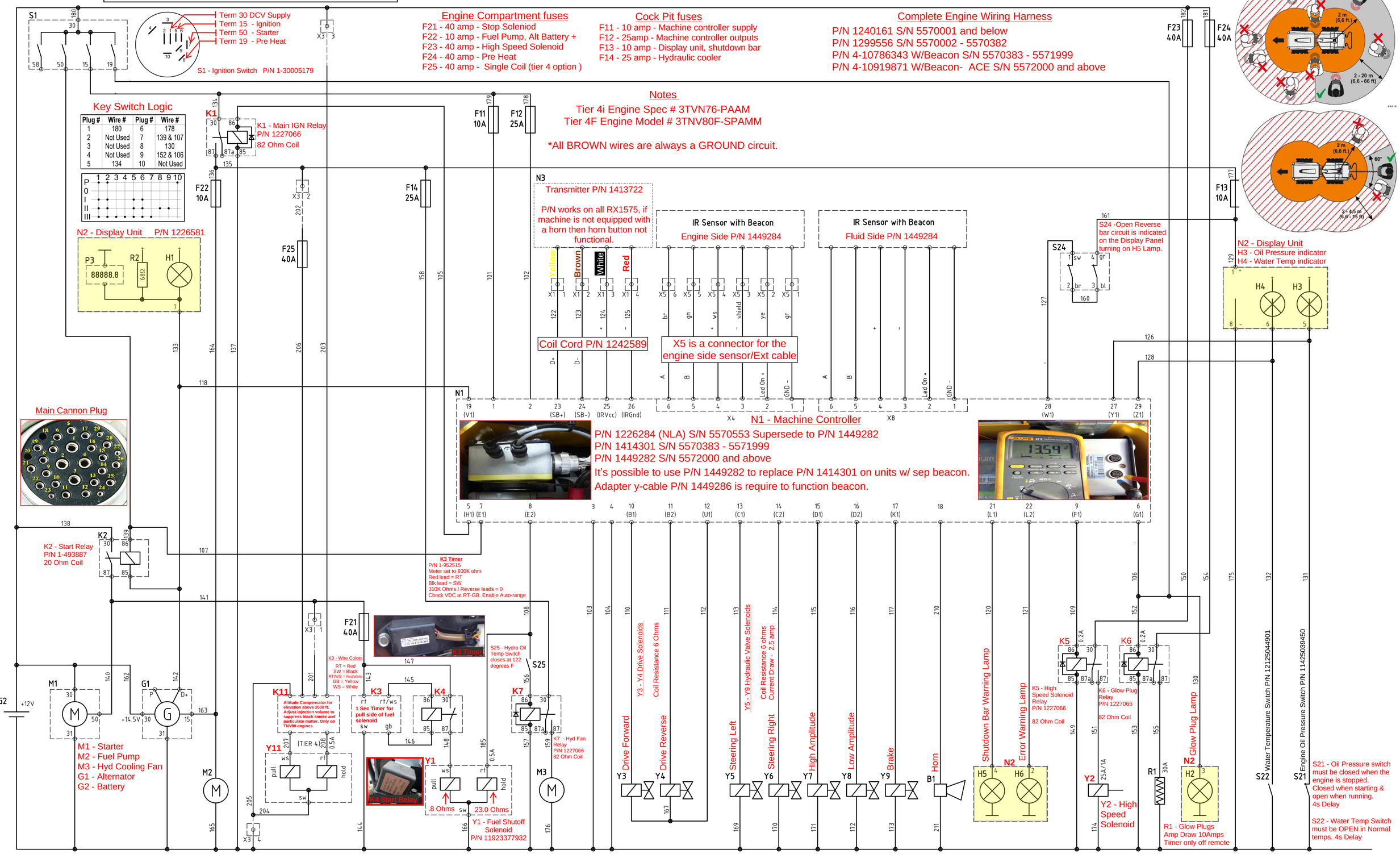
Vibration Switch - P/N 52010
Horn - P/N 1449852
Vent - 1430840
5-Wire Battery - P/N 1543722

Transmitter Board - Not Serviceable

RX1575 Trench Roller

Infrared Safety Zone
Max range w/ cable 11ft. ~ Max w/ IR 60ft
Min proximity range 8ft
Spec's from manual, actual may vary.





Engine Compartment fuses

F21 - 40 amp - Stop Soleniod
F22 - 10 amp - Fuel Pump, Alt Battery +
F23 - 40 amp - High Speed Solenoid
F24 - 40 amp - Pre Heat
F25 - 40 amp - Single Coil (tier 4 option)

Cock Pit fuses

F11 - 10 amp - Machine controller supply
F12 - 25amp - Machine controller outputs
F13 - 10 amp - Display unit, shutdown bar
F14 - 25 amp - Hydraulic cooler

Complete Engine Wiring Harness

P/N 1240161 S/N 5570001 and below
P/N 1299556 S/N 5570002 - 5570382
P/N 4-10786343 W/Beacon S/N 5570383 - 5571999
P/N 4-10919871 W/Beacon- ACE S/N 5572000 and above

Notes

Tier 4i Engine Spec # 3TVN76-PAAM
Tier 4F Engine Model # 3TNV80F-SPAMM

*All BROWN wires are always a GROUND circuit.

G1 - Alternator

P/N 129423-77200

Term 30 : 14.5V output
Term D+ : Ground out for Display, K2 relay, controller timer.
D+ must have 0V when the Ign is on.
D+ must have 12V when the engine is running
Term 15 : Ignition circuit power from K1 relay.

M1 - Starter Motor

P/N 1-954079
Amps / 250 Peak / 150 Continuous

Y2 - High Speed Solenoid

P/N 1226545
Amps / 8.9 Peak / .5 Continuous

Relay ID and Description

K1 - Main Ignition Relay (P/N 1227066)
K2 - Starter Relay (P/N 1-493837)
K3 - Timer Relay (1s.) (P/N 1-952515) YM:129211-77920
K4 - Pull-in Stop Solenoid (P/N 1-952514) NGK:G71SU
K5 - High Speed Solenoid Relay (P/N 1227066)
K6 - Glow Plug Relay (P/N 1227066)
K7 - Hydro Cooler Fan Relay (P/N 1227066)
K11 - Solenoid Driver Relay (Tier 4F only)
K1/K7 Spec - 12VDC-40A/15A

Hyd Test Pressures @ High Speed

Drive Pressure Relief - 4000psi
Charge Pressure - 300psi
Vibration Pressure - 3000/1500psi
Steering Pressure - 1000psi

* Stauff-Test 20 Adapter (SMS-20/N1/4)

Drive Speed Voltage to Coils

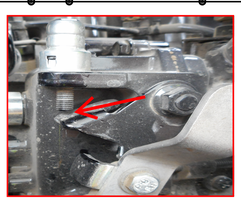
High Speed - 4.8 DCV to Coil
Low Speed - 3.6 DCV to Coil

Note: Voltage check must be done with connector plugged in. Unit will read stray voltage if test is not done correctly. Make this test while engine running, back probe connectors.

Solenoid Valve Descriptions

Approx coil resistance is 6 ohms for Y3,4,5,6,7,8,9

Y1 - Fuel Shutoff Solenoid
Y2 - High Speed Solenoid
Y3 - Drive Forward
Y4 - Drive Reverse
Y5 - Steering Left
Y6 - Steering Right
Y7 - High Amplitude
Y8 - Low Amplitude
Y9 - Brake Valve
Y11 - 2nd Holding Solenoid (Tier 4F only)



Y2 - High Speed Solenoid

P/N 1226545

Adjustment Leave 1.5mm gap.

MQ Service Edits RevA