

Re: Pioneer SX-737 No FM

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2009-06/msg00370.html>

- *From:* "Gary L. Woodruff" <woodruffrepair@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 08 Jun 2009 13:46:28 -0400
-

Gary L. Woodruff wrote:

David Farber wrote:

Gary L. Woodruff wrote:

David Farber wrote:

Gary
L.
Woodruff
wrote:

Howdy
all,
I
have
a
vintage
Pioneer
receiver.
It
will
pick
up
AM
stations
but
is
dead
on
FM.
I
do
not
get
any
deflection
on

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the
tuning
meters
and
no
static.
I
do
have
a
print.
I
do
have
b+
into
the
board
and
have
good
voltages
at
the
HA1156.
I
do
not
see
anything
at
the
HA1137,
with
the
exception
of
13.8v
at
pin
11
(should
be
5.6v).
There
is
only
a
coil
in
series

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with
a
cap
to
gnd
between
b+
and
this
pin.
I
do
not
have
a
way
to
measure
inductance
on
the
coil
but
have
measured
the
cap
.047
microfarads
is
spec
and
I
get
.055.
I
am
tempted
to
try
to
replace
the
IC
(HA1137)
but
am
concerned
about
the
amount

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of
voltage
I
see
on
pin
11
of
the
IC.
Any
and
all
advice
is
GREATLY
appreciated.

Thanks,
Gary

That
5.6
voltage
should
be
for
pin
10,
not
pin
11.
Pin
11
goes
to
the
B+
supply
and
the
13.8
v
is
correct.

Good
luck.

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Gary L.
Woodruff
wrote:

Dave,
thanks
for
pointing
that
out.
the
13.8
is
the
only
voltage
I
see
on
the
HA1137.
I
do
not
see
the
input
signal
of
1.9v
on
pins
1,2,3
of
the
chip.
I
do
see
the
12.6
v
at
F2
but
nothing
after.
I
will
try
to

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replace
this
fuse?
F2
and
the
HA1137.
Does
this
make
sense?
Thanks,
Gary

F1 and F2
fuse one of
the pairs of
wires
coming off
of the
secondary
of the
power
transformer.
In the FM
section,
there is
another
component
which also
labeled F2
which
appears to
be some
sort of
I.F. filter.
You need to
tell me if by
F2 you
mean the
fuse or if
you mean
the filter.
You cannot
have the
13.8 volts at
pin 10 if
the fuse is
blown. Do

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you have
the correct
voltages on
Q4?

Good luck.

Gary L. Woodruff wrote:

Howdy, thanks Dave. Yes I
do see 13.7V at the
collector, 1.4v
Emitter .21v at the base. I
do not see anything on the
output of
the F2 filter (I missed the F2
listing in the tuner part list,
and
found it listed as a fuse,
thanks again).

Thanks, Gary

I believe we've found the problem. I am not
in the office at the
moment where my schematic is, but if Q4 is
reverse biased, that's
going to be a dead end for the signal right
there.

Dave, thanks again. What do you think is causing q4 to be
reversed
biased?

Gary

Sorry I couldn't get back to you sooner. Remove Q4 from the circuit and test
it with your multimeter. Also, check the voltage at the base of Q4 were it
still in the circuit.

Dave, I removed Q4 from the circuit and it is OK. I checked the voltage at the base with Q4
out of circuit and get 2.1 V. I resoldered Q4 and checked the base again and still get 2.1 at the
base. (I may have misread my previous reading of .21v) I do see 13.7v on the Q4 side of the
f2 IF filter but 0v at pin 1 of HA1137. i am thinking I need to replace this F2 if filter?

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Thanks, Gary

To all who helped, thank you. I replaced the HA1137 and all is working. Thanks!!, Gary