

FM FRONTEND UNIT AM0119

ANTENNA INPUT
FM ANT
GND
AM ANT

300Ω BALANCED
IF OUT
AFC

HEATER
77V
R₁ 47K
C₁ 0.01

FM MPX UNIT AM0130

IN
OUT
R₁ 47K
R₂ 47K
R₃ 100K
R₄ 100K
R₅ 100K
R₆ 100K
R₇ 100K
R₈ 100K
R₉ 100K
R₁₀ 100K
R₁₁ 100K
R₁₂ 100K
R₁₃ 100K
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R₃₀ 100K
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R₁₀₀ 100K

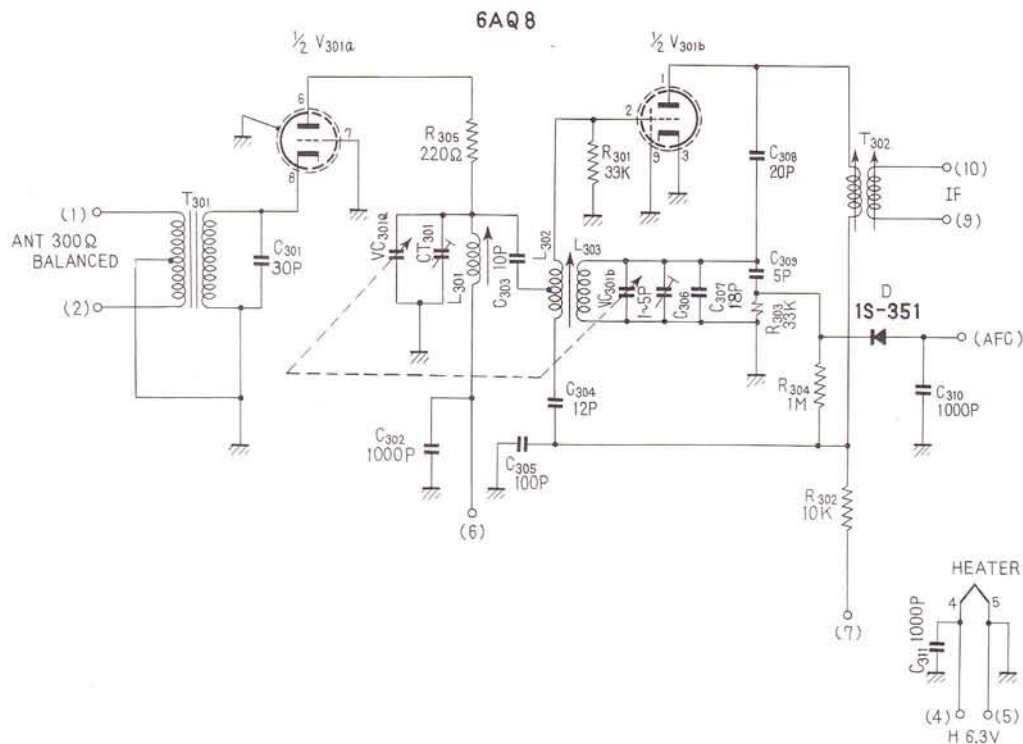
SEPARATION CONTROL
HEATER
STEREO INDICATOR
NL501
120V
R₁ 470Ω
C₁ 500P
C₂ 500P
C₃ 500P
C₄ 500P
C₅ 500P
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C₉₆ 500P

ITEM NO.	VACANCY
R ₁ ~ R ₁₀₆	R ₉₁
G ₁ ~ G ₁₁	

FM FRONTEND AM0119

FM FRONT END

AM0119



LAST

R₃₀₅

C₃₁₁

The schematic diagram illustrates the internal circuitry of the AM0130 radio receiver. It features two 6EA8 vacuum tube stages (V501 and V502) for FM and MPX signal processing. The input stage (V501-a) includes a 0.01F capacitor and a 1M resistor. The detector stage (V501-b) uses a 15.5V filament and a 15V supply. The output stage (V502-a) is connected to a 118V supply. A 0A79 diode detector (D505) is used for signal detection, with a 15V supply and a 100K resistor. The PRINT CIRCUIT AM9114 provides stereo output (L and R) with 220mV signals. The circuit also includes a 6.3V 0.89A power supply and various resistors and capacitors for tuning and filtering.

Legend:

- COMPOSITE SIGNAL AT 10% STEREO MOD
- PILOT SIGNAL AT 10% MOD
- ▨ OUTPUT SIGNAL VOLTAGE
- (V) NO INPUT SIGNAL DC VOLTAGE OR DC CURRENT
- V DC VOLTAGE OR DC CURRENT AT 60/88 ANTENNA INPUT

Component Values:

- Resistors: R501 1M, R502 1K, R503 4.7K, R504 150K, R505 100K, R506 100K, R507 100K, R508 100K, R509 100K, R510 50K, R511 22K, R512 22K, R513 22K, R514 22K, R515 10K, R516 10K, R517 10K, R518 10K, R519 10K, R520 10K, R521 10K, R522 10K, R523 470K, R524 330K, R525 220K, R526 100K, R527 100K, R528 100K, R529 100K, R530 100K, R531 100K, R532 100K, R533 100K, R534 100K, R535 100K, R536 100K, R537 100K, R538 100K, R539 100K, R540 100K, R541 100K, R542 100K, R543 100K, R544 100K, R545 100K, R546 100K, R547 100K, R548 100K, R549 100K, R550 100K, R551 100K, R552 100K, R553 100K, R554 100K, R555 100K, R556 100K, R557 100K, R558 100K, R559 100K, R560 100K, R561 100K, R562 100K, R563 100K, R564 100K, R565 100K, R566 100K, R567 100K, R568 100K, R569 100K, R570 100K, R571 100K, R572 100K, R573 100K, R574 100K, R575 100K, R576 100K, R577 100K, R578 100K, R579 100K, R580 100K, R581 100K, R582 100K, R583 100K, R584 100K, R585 100K, R586 100K, R587 100K, R588 100K, R589 100K, R590 100K, R591 100K, R592 100K, R593 100K, R594 100K, R595 100K, R596 100K, R597 100K, R598 100K, R599 100K, R600 100K, R601 100K, R602 100K, R603 100K, R604 100K, R605 100K, R606 100K, R607 100K, R608 100K, R609 100K, R610 100K, R611 100K, R612 100K, R613 100K, R614 100K, R615 100K, R616 100K, R617 100K, R618 100K, R619 100K, R620 100K, R621 100K, R622 100K, R623 100K, R624 100K, R625 100K, R626 100K, R627 100K, R628 100K, R629 100K, R630 100K, R631 100K, R632 100K, R633 100K, R634 100K, R635 100K, R636 100K, R637 100K, R638 100K, R639 100K, R640 100K, R641 100K, R642 100K, R643 100K, R644 100K, R645 100K, R646 100K, R647 100K, R648 100K, R649 100K, R650 100K, R651 100K, R652 100K, R653 100K, R654 100K, R655 100K, R656 100K, R657 100K, R658 100K, R659 100K, R660 100K, R661 100K, R662 100K, R663 100K, R664 100K, R665 100K, R666 100K, R667 100K, R668 100K, R669 100K, R670 100K, R671 100K, R672 100K, R673 100K, R674 100K, R675 100K, R676 100K, R677 100K, R678 100K, R679 100K, R680 100K, R681 100K, R682 100K, R683 100K, R684 100K, R685 100K, R686 100K, R687 100K, R688 100K, R689 100K, R690 100K, R691 100K, R692 100K, R693 100K, R694 100K, R695 100K, R696 100K, R697 100K, R698 100K, R699 100K, R700 100K, R701 100K, R702 100K, R703 100K, R704 100K, R705 100K, R706 100K, R707 100K, R708 100K, R709 100K, R710 100K, R711 100K, R712 100K, R713 100K, R714 100K, R715 100K, R716 100K, R717 100K, R718 100K, R719 100K, R720 100K, R721 100K, R722 100K, R723 100K, R724 100K, R725 100K, R726 100K, R727 100K, R728 100K, R729 100K, R730 100K, R731 100K, R732 100K, R733 100K, R734 100K, R735 100K, R736 100K, R737 100K, R738 100K, R739 100K, R740 100K, R741 100K, R742 100K, R743 100K, R744 100K, R745 100K, R746 100K, R747 100K, R748 100K, R749 100K, R750 100K, R751 100K, R752 100K, R753 100K, R754 100K, R755 100K, R756 100K, R757 100K, R758 100K, R759 100K, R760 100K, R761 100K, R762 100K, R763 100K, R764 100K, R765 100K, R766 100K, R767 100K, R768 100K, R769 100K, R770 100K, R771 100K, R772 100K, R773 100K, R774 100K, R775 100K, R776 100K, R777 100K, R778 100K, R779 100K, R780 100K, R781 100K, R782 100K, R783 100K, R784 100K, R785 100K, R786 100K, R787 100K, R788 100K, R789 100K, R790 100K, R791 100K, R792 100K, R793 100K, R794 100K, R795 100K, R796 100K, R797 100K, R798 100K, R799 100K, R800 100K, R801 100K, R802 100K, R803 100K, R804 100K, R805 100K, R806 100K, R807 100K, R808 100K, R809 100K, R810 100K, R811 100K, R812 100K, R813 100K, R814 100K, R815 100K, R816 100K, R817 100K, R818 100K, R819 100K, R820 100K, R821 100K, R822 100K, R823 100K, R824 100K, R825 100K, R826 100K, R827 100K, R828 100K, R829 100K, R830 100K, R831 100K, R832 100K, R833 100K, R834 100K, R835 100K, R836 100K, R837 100K, R838 100K, R839 100K, R840 100K, R841 100K, R842 100K, R843 100K, R844 100K, R845 100K, R846 100K, R847 100K, R848 100K, R849 100K, R850 100K, R851 100K, R852 100K, R853 100K, R854 100K, R855 100K, R856 100K, R857 100K, R858 100K, R859 100K, R860 100K, R861 100K, R862 100K, R863 100K, R864 100K, R865 100K, R866 100K, R867 100K, R868 100K, R869 100K, R870 100K, R871

R 527	C 521
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