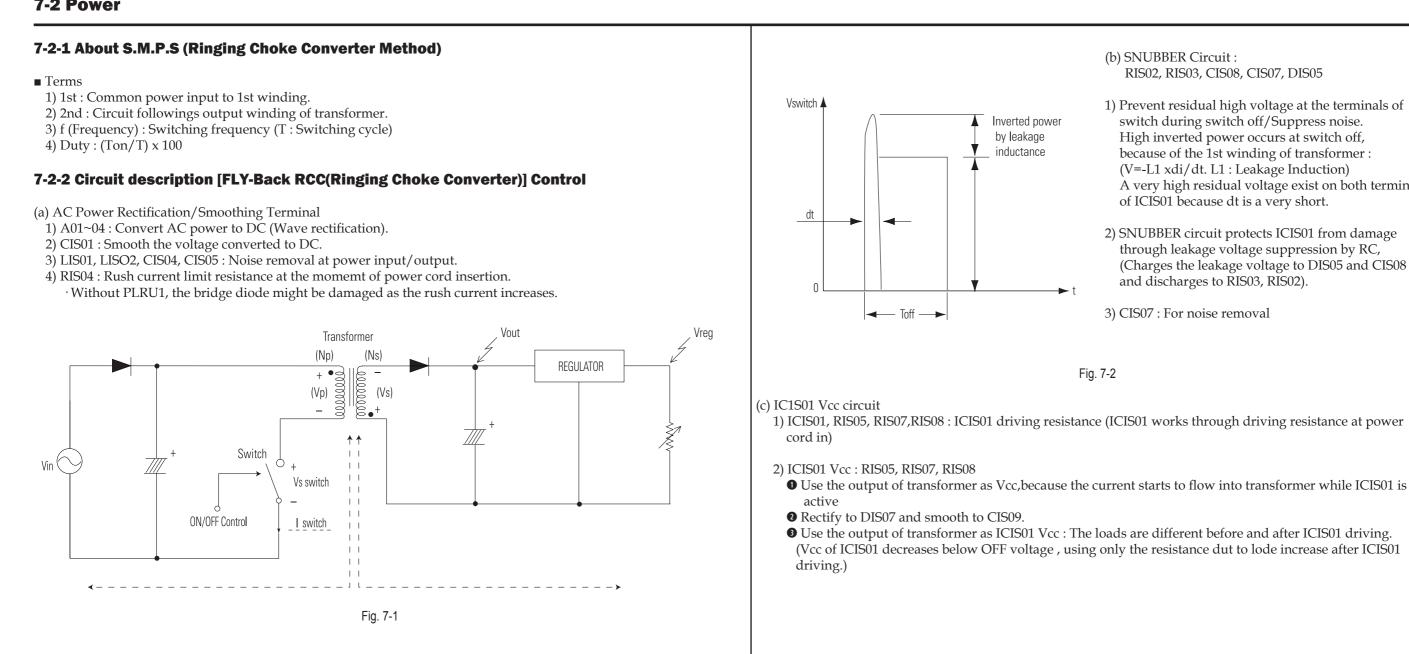
7-2 Power



(b) SNUBBER Circuit : RIS02, RIS03, CIS08, CIS07, DIS05

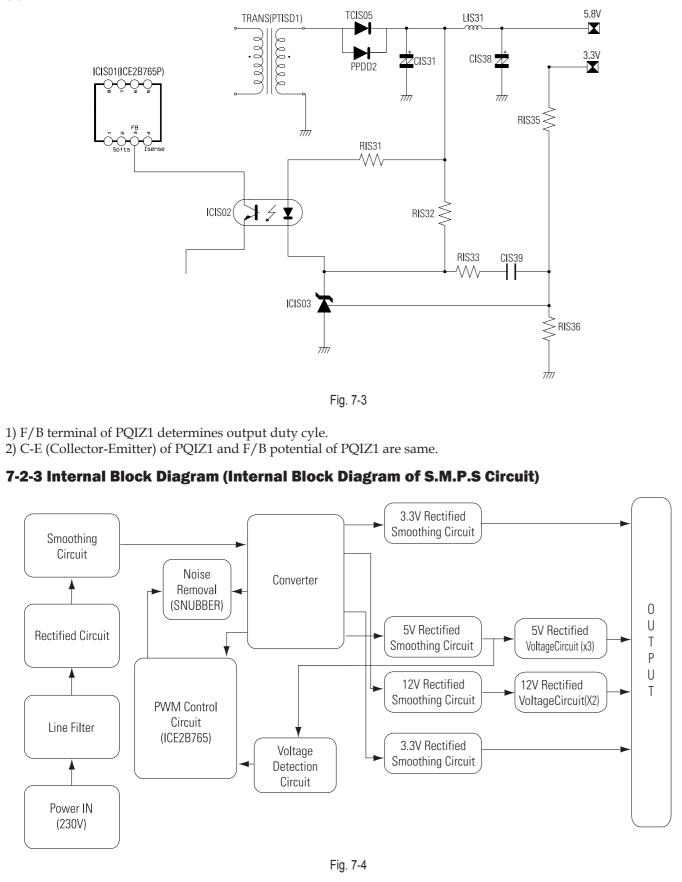
1) Prevent residual high voltage at the terminals of switch during switch off/Suppress noise. High inverted power occurs at switch off, because of the 1st winding of transformer : (V=-L1 xdi/dt. L1 : Leakage Induction) A very high residual voltage exist on both terminals of ICIS01 because dt is a very short.

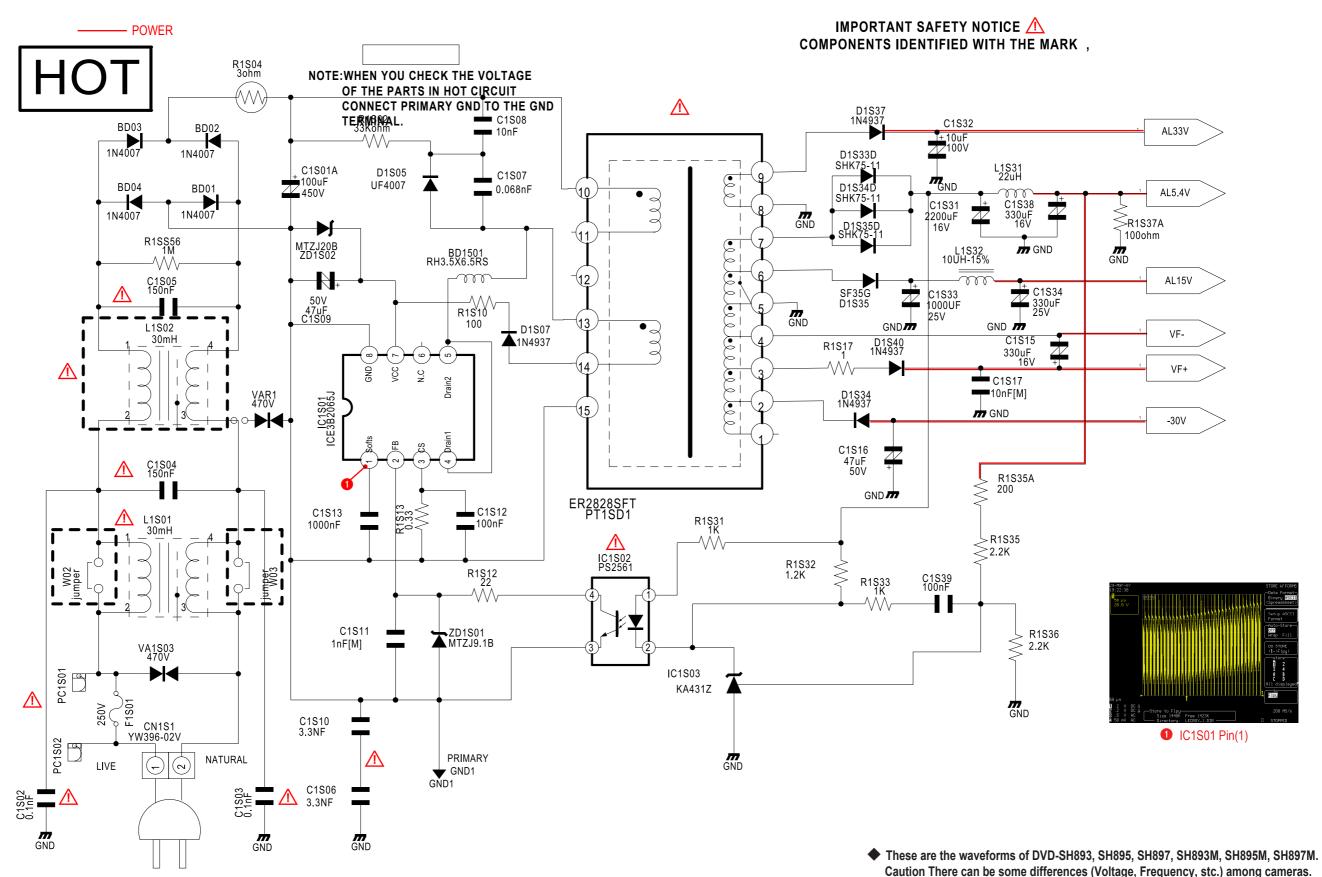
2) SNUBBER circuit protects ICIS01 from damage through leakage voltage suppression by RC, (Charges the leakage voltage to DIS05 and CIS08 and discharges to RIS03, RIS02).

3) CIS07 : For noise removal

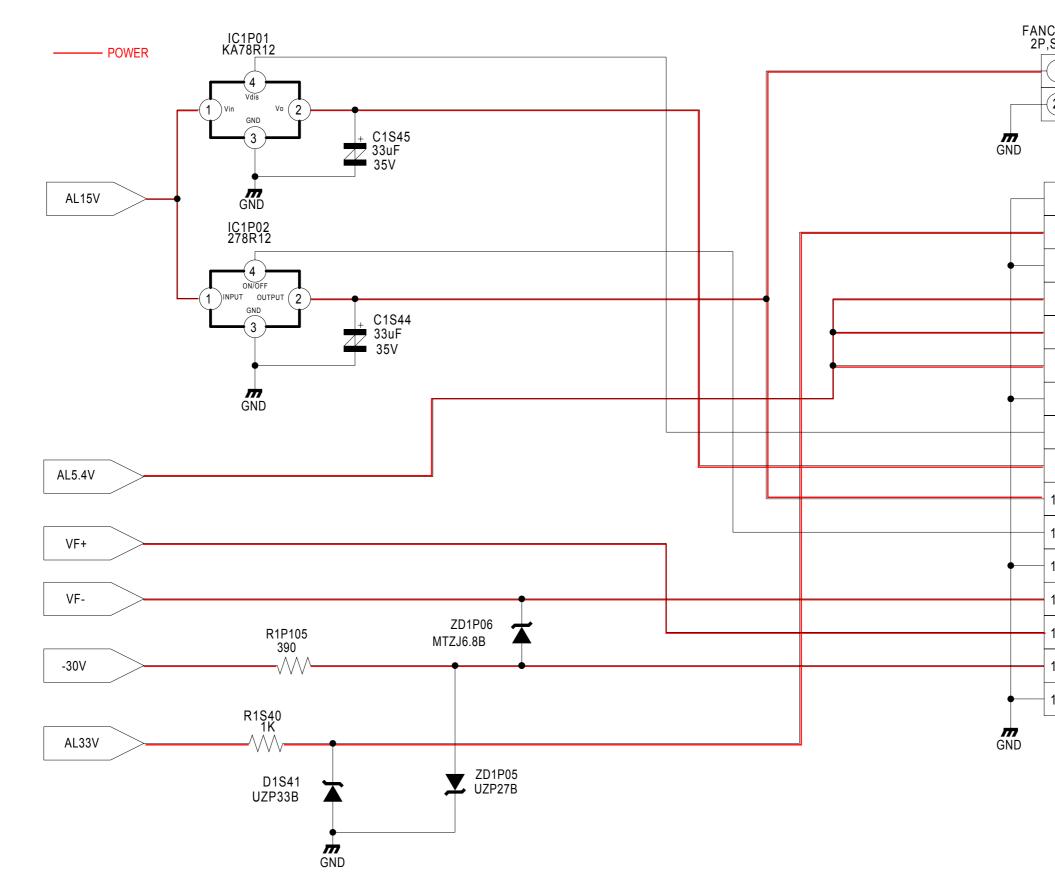
Schematic Diagrams

(d) Feedback Control Circuit





7-4 S.M.P.S_02 (SMPS PCB)



| CN1 ST | |
|-----------|--|
| 1 | |
| 2 | |

CON1 3710-001919

| 3710-001919 | |
|-------------|---------|
| 1 | GND |
| 2 | AL33V |
| 3 | GND |
| 4 | AL5.4V |
| 5 | AL5.4V |
| 6 | AL5.4V |
| 7 | GND |
| 8 | ECO_CTL |
| 9 | ECO_12V |
| 10 | PC_12V |
| 11 | PC_CTL |
| 12 | GND |
| 13 | VF- |
| 14 | VF+ |
| 15 | -30V |
| 16 | GND |

PCB Diagrams

6-3 S.M.P.S PCB

COMPONENT SIDE

