

TC-WE425/WE525/ WR681

SERVICE MANUAL

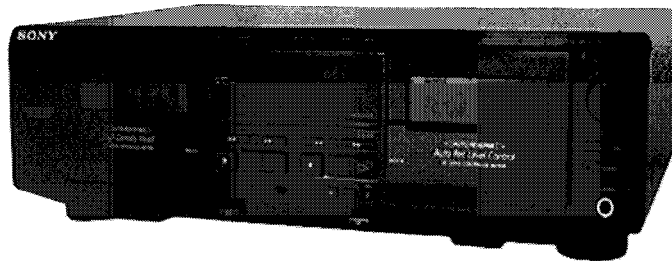


Photo: TC-WE425

US Model

TC-WE425/WR681

Canadian Model

TC-WE425

AEP Model

TC-WE525/WR681

UK Model

TC-WE525

E Model

Australian Model

TC-WE425/WR681

Chinese Model

TC-WE425

Dolby noise reduction extension manufactured under license from Dolby Laboratories Licensing Corporation.
HX Pro originated by Bang & Olufsen. "DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism		NEW
Tape Transport	DECK A	TCM-230ASR1
Mechanism Type	DECK B	TCM-230ASR2

SPECIFICATIONS

System

Recording system
4-track 2-channel stereo

Fast-winding time (approx.)
100 sec. (with Sony C-60 cassette)

Bias
AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)
Type I tape, Sony Type I (NORMAL): 55 dB
Type II tape, Sony Type II (HIGH): 57 dB
Type IV tape, Sony Type IV (METAL): 58 dB

S/N ratio improvement (approximate values)
With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz
With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz

Harmonic distortion
0.4% (with Type I tape, Sony Type I (NORMAL):
160 nWb/m 315 Hz, 3rd H.D.)
1.8% (with Type IV tape, Sony Type IV (METAL):
250 nWb/m 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Tape type

Type I tape, Sony Type I (NORMAL) 30-16,000 Hz (± 3 dB, IEC),
20-17,000 Hz (± 6 dB)

Type II tape, Sony Type II (HIGH) 30-17,000 Hz (± 3 dB, IEC),
20-18,000 Hz (± 6 dB)

Type IV tape, Sony Type IV (METAL) 30-19,000 Hz (± 3 dB, IEC),
20-20,000 Hz (± 6 dB),

Wow and flutter
 $\pm 0.15\%$ W. Peak (IEC)
0.1% W. RMS (NAB)
 $\pm 0.2\%$ W. Peak (DIN)

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STEREO CASSETTE DECK

SONY®

