Bulletin: Rapido Dash 8-40CM (FT)

Address	3
Manufacturer	ESU electronic solutions ulm
Project number	90487
Project version	V1 R1

Equipped with ESU "FULL THROTTLE" features!
MUST use LokProgrammer Version 4.4.21 or newer

In the Mid 1980s GE changed it's 16cyl FDL design to include a different exhaust silencer, a new electric compressor often known as the "Whoop compressor" and changed some of the electronics of their locomotives. These differences among a few other led to a distinct change in the sounds from the GE 16cyl FDL often found from the U25Bs on through the Dash-7 series of the Locomotives.

Keeping in tradition with GE's locomotive series nicknames beginning with the "Dash 7" of the 1970s, the C44-9W was dubbed the Dash 9 upon its debut in 1993.

The "Dash-9" GE 7FDL16AE Prime mover can be found in the following Locos:
Dash 9-40C
Dash 9-40CW
Dash 9-44CW
C44-9WL
C44-9WM

It is also very close to the following locos:
AC44C6M
AC44C4M
Dash 8-39B
Dash 8 40-B
Dash 8-40BW
Dash 8-39C
Dash 8-40C
Dash 8-40CM
Dash 8-40CW
Dash 8-41CW
Dash 8-44CW
C38EMi
C38AChe
AC4400CW
Some AC6000CW were built with 7FDL-16cyls and were later converted to 7HDL-16cyl. Some were never converted. Please refer to the prototype for reference.

Passenger Locos including: P40DC, and P42DC were built slightly different and contained HEP. For these engines

plese use Select Sound file (73482) or V4.0 Sound file (74482).

As with all SELECT decoders there are up to 16 separate horns, 2 separate brake squeals and 2 bells included on this one sound profile! All changeable using CV48.

Prime Mover:
CV48=0 GE 7FDL16AE
Uses our NEW-HORNS-AND-BELLS template...

Horns:
CV48=0 Nathan K3L
CV48=1 Nathan K3L #2
CV48=2 Nathan K3
CV48=3 Nathan K5H
CV48=4 Nathan K5L

Bells:
CV48=0 GE Fast Steel Bell
CV48=64 Modern E-Bell

Add values from above for total CV48 value.

Default CV48 Value = 0

0 - GE 7FDL16AE
5 - Nathan K3HA
0 - GE Fast Steel Bell

Total 0+5+0 = 5

New FULL THROTTLE features:
Drive Hold: Sound Slot 2 Mapped to F3
Independent Brake: Sound Slot 11 Mapped to F11
Run 8: Sound Slot 20 (not Mapped)
Coast: Sound Slot 21 (not Mapped)

For more info please see the "Full Throttle" Quick Start Guide in the ESU Instruction Manual Section of our Website.

http://www.esu.eu/en/downloads/instruction-manuals/digital-decoders/

Key	Function	Sound slots	Volume CVs	Volume values
F0	Directional Headlights			
F1	Bell	4	283	50
F2	Playable Airhorn	3	275	100
F3	Drive Hold	2	267	128
F4	Dynamic Brake	6	299	100
F5	Doppler Horn	16	379	100
F6	AUX1 + AUX2 (Ditch Lights and Rock Lights)			
F7	Dimmer			

F8	Sound (On/Off)	1	259	85
F9	Compressor (GE Whoop)	7	307	70
F10	Number Boards Off			
F11	Independent Brake	11	339	20
F12	Switching Mode (Front + Rear Headlights Dim)			
F13	DC Lighting Mode			
F14	N/A			
F15	N/A			
F16	Silly Sound 01	15	371	128
F17	Silly Sound 02	22	427	128
F18	Slow Spitter Valve			
F19	Short Air Let Off			
F20	Compressor			
F21	Slow Spitter Valve			
F22	N/A			
F23	N/A			
F24	N/A			
F25	N/A			
F26	N/A			
F27	N/A			
F28	N/A			