

Appendix 1 Just Trains Steam Locos A TABULAR GUIDE to STEAM LOCOMOTIVE DRIVING

The Streamlined Coronation Class, A4 Pacific Class, LMS Baby Patriot, Tabulated Controls

Action	Key Stroke /HUD	Supplemental
Check Train Brake is on	"" (Apostrophe)	"F4 HUD or F5 HUD "
Release Handbrake	"/"	Not always modelled
Release the Train brake fully	";"	Usually shows 21" Hg in F4 HUD or Release in F5 HUD
Open Small Ejector	"J"	F5 HUD may not be functional /modelled
Open the Reverser Fully	"↑W"	≈ 75/100%
Open the Regulator	"↑A"	≈ 60%
Close Cylinder Cocks	"C"	after 4-5 revolutions of the wheels Closed on " F5 HUD "
At ≈ 5 mph , Set Brakes to Running Close small ejector	"." "J"	≈ 5-7% running 21" Hg in F5/F4 HUD
At ≈ 15 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 60% F4 HUD or " F5 HUD ≈ 65%
At ≈ 25 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 45% F4 HUD or " F5 HUD ≈ 70%
At ≈ 30 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 40% F4 HUD or " F5 HUD ≈ 80%
At ≈ 40 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 30% F4 HUD or " F5 HUD ≈ 100%
At ≈ 45 mph ↓Reverser	"↓S"	≈ 25% F4 HUD or " F5 HUD
At ≈ 55 MPH ↓Reverser	"↓S"	≈ 23%
At ≈ 60 MPH ↓Reverser	"↓S"	≈ 19%
At ≈ 65 MPH ↓Reverser	"↓S"	≈ 17%
At ≈ 70 MPH ↓Reverser	"↓S"	≈ 16%
At ≈ 75 MPH ↓Reverser	"↓S"	≈ 14%
At ≈ 80 MPH ↓Reverser	"↓S"	≈ 13%
At ≈ 85 MPH ↓Reverser	"↓S"	≈ 11%

Supplemental monitor notes for individual locos

Monitor during running Coronation & A4 Pacific Classes	F4/F5 HUD	Keep Boiler ≈250 psi Keep Steam Chest ≈same psi Fire Mass highest Water Level - highest
Monitor during running Patriot Class	F4/F5 HUD	Keep Boiler ≈215 psi between 200 – 210 psi Keep Steam Chest ≈same psi Fire Mass ≈100 – 300 lbs above start mass Water Level - ≈<1.0

Manor Class

Action	Key Stroke /HUD	Supplemental
Check Train Brake is on	"" (Apostrophe)	"F4 HUD or F5 HUD "
Release Handbrake	"/"	Not always modelled
Open Small Ejector	"J"	F5 HUD may not be modelled
Release the Train brake fully	";"	Usually shows 21" Hg in F4 HUD or Release in F5 HUD
Open Small Ejector	"J"	F5 HUD may not be functional/modelled
Open the Reverser	"↑W"	≈ 70 %
Open the Regulator	"↑A"	≈ 60%
Close Cylinder Cocks	"C"	after 4-5 revolutions of the wheels Closed on " F5 HUD "
At ≈ 10 mph , Set Brakes to Running Close small ejector	." "J"	≈ 5-7% running 21" Hg in F5/F4 HUD
At ≈ 15 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 65% F4 HUD or " F5 HUD ≈ 65%
At ≈ 25 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 55% F4 HUD or " F5 HUD ≈ 75%
At ≈ 30 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 45% F4 HUD or " F5 HUD ≈ 80%
At ≈ 40 mph ↓reverser ↑regulator	"↓S" "↑A"	≈ 35% F4 HUD or " F5 HUD ≈ 100%
At ≈ 40 - 45 mph ↓Reverser	"↓S"	≈ 35% F4 HUD or " F5 HUD
At ≈ 45 - 50 MPH ↓Reverser	"↓S"	≈ 30%
At ≈ 50 - 60 MPH ↓Reverser	"↓S"	≈ 20%
At >≈ 60 MPH ↓Reverser	"↓S"	≈ 15 - 20%
Monitor during running Manor Class	F4/F5 HUD	Keep Boiler ≈ 225 psi between 210 – 220 psi Keep Steam Chest ≈ same psi Fire Mass ≈ 1000 – 1200 lbs above start mass Water Level - ≈ <1.0

All other driving controls as per: "A TABULAR GUIDE to STEAM LOCOMOTIVE DRIVING."
Note: Closing small ejector to conserve steam not always modelled.

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