

Annex “J“**Devices for diagnosing defects of rolling stock vehicles**

An integral part of the SŽDC infrastructure is a device for diagnosing defects of rolling stock vehicles, which include hot roller indicators of bearings (IHL), hot tire and brake indicators (IHO), indicators of incorrect driving (INJ) and equipment for the monitoring of electric vehicle collectors (PMS). Devices diagnosing defects of rolling stock vehicles are set up to protect the railway infrastructure and ensure the safe operation of the track and rail transport.

The basic objectives of these systems are:

- Increasing traffic safety by disposing of a damaged vehicle using IHL and IHO where the IHL indicator is a part of the diagnostic system indicating the temperature of the axle pivots, and the IHO is part of the torch temperature wheels, brake blocks and disc brakes,
- ensuring the protection of the railway superstructure and other parts of the railway infrastructure, especially in the upgraded sections, from the impact of wheelchair buggies in the use of INJ, where the INJ is part of a diagnosis indicating wheel defects, wheel defects and other defects causing damage to the rails,
- Enhance the safety of the train running through the tunnel and meet the requirements for fire safety of railway tunnels by IHL + IHO,
- ensuring the protection of the overhead contact line and other components of the railway infrastructure from possible damage caused by improperly set or damaged electric vehicle trawlers (in particular damage to the lining of the tracks and improperly adjusted compressive force),
- compliance with the conditions of interoperability of the rail network of the Czech Republic included in the trans-European conventional rail system, IHL, IHO, INJ and PMS railway infrastructure equipment according to Directive 2008/57 / EC of the European Parliament and of the Council 2016 / 797) on the interoperability of the rail system in the Community,
- integration of installed IHL, IHO, INJ and PMS diagnostics into the on-board diagnostic information system for on-board vehicles.

Based on the above, the SŽDC reserves the right to stop a train on which a fault has been indicated by the diagnostic device.

The rolling stock diagnosis equipment of the Czech Republic (IHL, IHO, INJ) is positioned so that it creates a connected system of indicators in a cascade arrangement at a distance according to the recommendation of UIC.

A list of devices for fault diagnostics of moving vehicles

Table Legend:

Number according to Directive no. 36– Number of device for fault diagnostics of moving vehicles, according to Annexes 2 and 3 of the Directive SŽDC no. 36

Number of line according to TTP – Number of tracks under the TTP. According to this column table is sorted.

Line section – Specific line section where the device is located

km – Kilometre position location of device

Track – Number of the track with the location of device for the lines with two or more tracks. For single-track line cell is empty.

Comment – Another related comment for a particular device. For example, the name of the building within which the device will be built.

Číslo dle Směrnice SŽDC č. 36	Číslo tratě dle TTP	Trat'ový úsek	km	Kolej	Poznámka
3.2	301A	Návsí - Bystřice	303,130	2	
2.8	301B	Petrovice u Karviné - odb. Závada	289,370	2	
2.1	305B	Jistebník - Studénka	250,337	2	
2.2	305B	Suchdol nad Odrou - Polom	228,280	1	
2.4	305B	Lipník nad Bečvou - Prosenice	197,355	2	
2.3	305F	Říkovice - Hulín	173,005	1	
280.1	308	Horní Lideč - Valašská Polanka	21,786	2	
3.1	309A	Grygov - Brodek u Přerova	196,130	1	
3.3	309A	Krasíkov - Hoštejn	29,090	1	
3.4	309A	Lukavice na Moravě - Mohelnice	49,760	2	

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Číslo dle Směrnice SŽDC č. 36	Číslo tratě dle TTP	Trat'ový úsek	km	Kolej	Poznámka
3.6	309A	Rudoltice v Čechách - Třebovice v Čechách	10,300	2	
300.2	315A	Vyškov - Ivanovice na Hané	51,556		
2.5	316A	Nedakonice - Moravský Písek	126,915	1	
2.6	316A	Lužice - Moravská Nová Ves	96,608	2	
1.1	320A	Podivín - Zaječí	97,041	1	
1.20	320A	Lanžhot st.hr. - Lanžhot	9,708	2	
1.2	320A	Hrušovany u Brna - Modřice	128,780	2	
2.7	320D	Břeclav st.hr. - Břeclav	78,230	2	
230.1	324	Světlá nad Sázavou - Okrouhlice	234,760	1	
230.2	324	Čáslav - Kutná Hora	283,810	2	
250.1	324	Ostrov nad Oslavou - Sklené nad Oslavou	74,138	1	
250.2	324	Říkonín - Vlkov u Tišnova	46,467	2	
250.3	324	Kuřim - Brno-Královo Pole	15,300	1	
250.4	324	Pohled - Přibyslav	104,417	2	
1.3	326A	Březová nad Svitavou - Letovice	207,842	1	
1.4	326A	Blansko - Rájec Jestřebí	181,401	2	
1.12, 1.14	501A	Český Brod - Úvaly	384,420	2, 0	
1.5	501A	Ústí nad Orlicí - Česká Třebová	254,670	1	
1.7	501A	Přelouč - Pardubice	313,224	1	
1.8	501A	Pardubice - Kostěnice	299,249	2	
1.9	501A	Poříčany - Pečky	368,655	1	
1.10	501A	Záboří nad Labem - Kolín	339,408	2	
1.6	501B	Svitavy - Opatov	231,813	2	
231.1	502A	Kostomlaty nad Labem - Nymburk	326,505	1	
072.1	503A	Mělník - Všetaty	370,250	1	

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072.2	503A	Stará Boleslav - Dřívý	352,320	2	
072.4	503A	Velké Žernoseky - Sebužín	417,590	2	
130.1	504A	Chabařovice - Ústí nad Labem západ	9,250	1	
130.2	504A	Bílina - Most	35,606	2	
020.1	505A	Káranice - Dobřenice	9,850		
024.1	512B	Lichkov st.hr. - Lichkov	112,560		
4.5	519A	Čerčany - Senohraby	149,150	1	
4.8	519A	Praha-Uhřetěves - Praha Hostivař	174,293	2	
1.13	527A	Dolní Zálezly - Prackovice nad Labem	506,510	1	
1.16	527A	Roztoky u Prahy - Libčice nad Vltavou	428,710	2	
1.18	527A	Hrobce - Bohušovice nad Ohří	485,370	2	
1.11	527A	Nelahozeves - Vraňany	449,130	1	
140.1,140.2	533	Karlovy Vary - Chodov	193,590	1,2	
1.15	544A	Děčín st.hr. - Dolní Žleb	11,800	1	
4.1	704	České Budějovice - Hluboká nad Vltavou-Zámostí	5,000		
4.3	704	Sudoměřice - Tábor	97,817	1	
4.4	704	Roudná - Planá nad Lužnicí	72,315	2	
4.6	704	Olbramovice - Benešov u Prahy	120,650	2	
4.2	706A	Včelná - Kamenný Újezd u Českých Budějovic	109,570		
190.1	709B	Zliv - Hluboká nad Vltavou	225,770		
190.2	709B	Katovice - Strakonice	278,000		
190.4	709B	Starý Plzenec - Nezvěstice	337,043		
183.1	711A	Dobřany - Plzeň Valcha	85,500		

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180.1	712A	Nýřany - Vejprnice	121,600		
3.8, 3.5	713A	Hořovice - Kařízek	62,891	1, 2	
3.10	713A	Plzeň Doubravka - Plzeň	107,490	2	
3.7	713B	Pňovany - Kozolupy	362,295		
3.12	713B	Planá u Mariánských Lázní - Chodová Planá	414,490		